## Sarmer's dvocate

 and ome agazine


The Success of the "Lister" Engine is Based on QUALITY
Above is a reproduction of the cover of our catalogue " B." Write for it. It gives particulars of Lister Engines, Grinders,
Lighting Plamt,
R. A. LISTER \& CO., LIMITED

DECEMBER
THE FARMER'S ADVOCATE.


## Making Stable-Cleaning a Snap for a Boy !

Not a Hard Job Now


The Old, Back-breaking Way Stable-cleaning used to be a very
hard job. That was when the wheel barrow was used. There was alway hat of heavy lifting and a lot of snow piled up high and deep paths
had to be dug through the yard.
These drifted full again in a feww days, so it was always a long hard
job to keep the manure a good dis job to keep the manure a good dis
tance from the barn. It was eve worse in the muddy spring, when you'd sink to your ankles in the
yard, and the wheelbarrow simply
wouldn't budg It was hard to keep the stable really clean with a wheelbarrow, for
the manure simply would drip out and slop over as it bumped and
jolted through the yard. On many a cold day the stable was not cleaned to accumulate close to the barn where it rotted the woodwork and of the stock and the harness and


The Big BT Raises

 , the track is two full inches deep, so that it will
stand a strain of 2,000 pounds at any point.
It can readily be bent around
curves without heating or bent to suit the passages.
Thimply have to be
buttoned on, and there are no bolts buttoned on, and there are no bolts
or nuts to tighten. The whole out. or nuts to tighten. The whole out-
few can quite easily be erected in a
few hours.
Send for Free Book
are no worm gears to wase the power, and the windlass. works without noise or rattle.
The bucket can be elevated so that
the bottom is within thre the bottom is within three feet of the
track. The carrier can thus be run right over any pens in the barn, over
the highest drifts, ted the highest drifts, and can be
dumped on the top of the loade sleigh-box or on a high pile in the Popular

## Friction

riction
Brake on
 the pressure on the brake regulates
the speed of the descent. The brake
also prevents the loaded bucket
sipping back as you elevate it. It slipping back as you elevate it. It
holds the bucket at any height

Runs Smoothly on the Track Your run the BT Carrier out of the
barn by pushing on the handwhee windlas sushing on the handwheel
This is solid-youdo not touch This is solid-you do not touch the
loose bucket at all-so the carrier loose bucket at all-so the carrier
runs along steadily and none of the The track is built in the form of an
I -beam, with a smooth, round edge -beam, with a smooth, round edge iily. The edge is so thin that no
ice or snow can collect upon it.


28 "Service" Branches throughout Canada
Canadian Consolidated Rubber Co., Limited Montreal, P.Q.
THIS CHRISTMAS. GIVE USEFUL PRESENTS AND SEE THAT THEY WERE "MADE IN CANADA."

WHY NOT GIVE YOUR WIFE ONE OF OUR "DIAMOND" HOT-WATER BOTTLES?
they are warranted for two years
YOUR DRU'GGIST HAS THEM, OR CAN EASILY GET ONE FOR YOU


## Canadian Consolidated

 Rubber Co., Limited Montreal, P.Q.28 "Service" Branches throughout Canada


## Wire Fence Prices To be Advanced Jan. 15th, 1915

 DIRECT from FACTORY to FARM PREPAID Made in Canada The SARNIA FENCE CO., Sarnia, Ontario

Buy Sarnia Fence NOW before the Prices advance. Owing to the raise in the price of wire all styles weighing 11 lbs . or over advance 2 c per rod, and all lighter fences 1 c per rod. MAIL US YOUR ORDER TO-DAY.

Sarnia fence is sold direct from factory to farmer, cutting out all
agents commissions, dealers profits agents commissions, dealers profits
and giving you your fence at first cost.

- Sarnia fence is made in what is conceded by the best industrial experts, to be the best equipped and the America economical fence factory in America.

The enormous amount of material that passes daily through our factory has resulted in a most economical system of handling. We can handle our present large tonnage to a better advantage to-day, than we could our small tonnage three years ago.
Combining these features. Our Direct selling Policy-Our low cost of Manufacturing-Our absolute guar-antee-and the fact that we are not





for the elimination of competition
believe you will give us credit for
being in a position to sell you the best fence it is possible to make at
the lowest cost the lowe
Sarnia fence is the best known fence in the Dominion of Canada to-day which is due larely to fact that our fence has lived up to every claim we have made for it. igid the first we have used a most our customers of perfect fence possible. our customers of getting the most $\begin{aligned} & \text { have added to our ecquipment so } \\ & \text { perfect fence possible. }\end{aligned} \begin{array}{ll}\text { that now we have a daily capacity } \\ \text { of } 150 \text { miles of finished fence every }\end{array}$ We buy our wire on the open ten hours. We are going to carry market of the world, and our busi- an extra large stock througho carry ness is of such a tremendous volume entire season and this with the that we are in a position to demand creased capacity will enable us in to the best. Our wire is galvanized to ship all orders the day they are
all full government gauge No. 9 wire

## Our policy is to sell the farmers

 of Canada, the best fence it is possible to make at the lowest possible cost, (our customers will season of 1914 the best Dollar will vouch for us) is has ever been offered in value that of the fence business, in the Dominion .For the coming season we are aking a feature of servicer ceived.


Stop for one minute and think what price you were compelled to Company came into the Sarnia Fence recalling old prices, think where in would go if our competitors could they rid of us. For the past cour get we, with the support of the farmers have managed to keep the price of fence down, and with your further fence down, and with your further
assistance we will continue to do so. We want your order whether for one bale or a carload.
Without the enthusiastic support
the farmers gave us three years ago the Government, in all probability would have put the fence sizes of wire on the dutiable list, and placed a bounty on all steel produced in mean the return one of these would
five years ago.

DECEMBER 10, 1914

Windsor Saltis made in Canada in themost modern Salt Works ontheNorth American Continent.

Practically every dealer in Canada sells Windsor Salt because practically everybody uses it.

## CANADIAN SALT CO., Limited

WINDSOR, ONTARIO

## SYDNEY BASIC SLAG THE FERTILIZER FOR ONTARIO FARMERS

## A Word To Those Who Are Already Using Fertilizers

Our advertisements have been appearing week after week with a view to getting you to use Sydney Basic Slag on your farm. If you have already used fertilizers you know their value, and no argument is needed to prove that they pay to use. All that concerns you now is to discover where you can buy the article that will give you the best return at the lowest cost, and that is where we come in.

Sydney Basic Slag applied pound for pound against any other fertilizer you have been
using will give you at least as good results
at a cost of about $\$ 10$ per ton less money.
Is it not worth your while to put this statement to the test? Hundreds of the best Ontario farmers who have uscel Sydney Basic Slag for the last' two seasons can testify as to its truth. Perhaps if you write us we can sive you the name of a farmer in your own neighborhood who has used our goods.

A Word to Those Who Have Not Yet Used Fertilizers

Now is the time to begin. The food production of Europe will be seriously curtailed in consequence of the war, and high prices are bound to prevail for the next few years. Here is an opportunity for the Ontario farmer to combine profit with patriotism. He can render valuable assistance to the Motherland and her allics by increasing his production of foodstuffs, and the use of Sydney Basic Slag means a bigge yiell per acre on all his crops.

If we have no agent in your district, let us send you a ton direct from the factory, or better still, if you think you could place a carload of 20 tons among your ncighbors, write us at once, and we will instruct our General Sales Agent to give you a call and talk the matter over.


MXED farming in Canada is the one business that never fails the conscientious worker. Small annual payments will purchase a large improved farm in any one of the nine provinces, where all kinds of grains,
vegetables and fruits will thrive abundantly where horses, cattle, sheep and pigs can be bred successfully, and where poultry and eggs, butter and honey can be depended upon to help swell the farmer's bank account

## CANADA

is exceptionally suited to the growing ley and flax last of wheat, oats, barley and flax, last season about 700,000,000 bus. being harvested. A large percentage of these

steads in the Prairie Provinces. These 160 -acre farms are also being utilized for pasturing dairy cattle, the increase in the western city population creating a demand for milk and butter that more than keeps pace with the supply. In

[^0]W. D. SCOTT
J. OBED SMITH

> superintendent of lmmigration, OTTAWA, CAN.

The Departmental Store for All Concrete Machinery


The Little Giant Batch Mixer


London
Bull Dog Batch Mixer ght, easily moved

## Adjustable

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capacity of the machine
on the same Adjustable
Mould and the one
width of pallet. The
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sal it possible for the opera-
tor to defy competition. See illustrated Cata-
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Every machine we make has a catalogue devoted
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PAGE FENCE


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THE PAGE WIRE FENCE CO., LIMITED

## Canadian Farmers

Should Profit by the Present War

tunity, by the cul
tivation of cereals
etc., but what about the
production of the maple tree ? You have at hand a product citizen. The first an opportunity to produce in the history of Canada you have without breaking the laws article that cannot be imitated of your country against adulteration protected by the laws will be such as to give you profitable returns for your labor

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and plaster. and plaster
saves coal; cooler in Summer
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the joints like wet plaster at
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## Christmas in ©diar Olime. by peter mcarthur.

"Three hundred and sixty-four. of course.
 And that shows that there are thpee suand gaily and
sixty-fur days when you might get un-Christmas
iresent. "Certainly." said Alice.
"And only one for Christmas presents. you
Torw
Through here Lookiory for Glass. youl"-Adapted from

Christmas-it almost seems wrong to speak of it at such a time as this, but that is because we are accustomed to thinking of it merely as a season of sport and gayety and joyousness. Christmas means more than that. Without touching on its religious significance, it has come to be regarded as the season of giving, and because of the needs of this terrible year we must have more of this Christmas spirit, rather than less. That is why I have ventured to quote, with a few alterations, the amusing logic of Alice in Wonderland. Besides Christmas presents, we must all be prepared to make many un-Christmas presents to the stricken and needy of the world. We must develop a Christmas spirit that will manifest itself every day of the week and make itself felt in all lands. Our war-time Christmas should be the noblest and most generous ever known.

As a suggestion of what our Christmas should be in its domestic aspect, Mr. Norman Price has given us an excellent suggestion in the admirable cover he has prepared for this number of The Farmer's Advocate. Christmas should be a day for the renewal of home ties, a day when those who have been separated by the opportunities and demands of modern life can come together again and be renewed at the fountain of youth. In the Canadian home, pictured by this Canadian artist, three generations are represented-the grandparents, the parents and the children. It might truly be said that it takes three generations to make a home as well as to make a gentleman. To the children it is a day of joy and hope, to the middle-aged a day of rest and hospitality, and to the aged a day of serenity and peace. And all these qualities are needed to make a home. Our artist, with his picture of young and old, of happiness and affection, has truly portrayed the kind of Canadian home of which we are all proud, and the kind in which the Christmas spirit is to be found at its bes

But if Mr. Price's ideal should be accepted in all Canadian homes and the wanderers called to return, what strange gatherings we should see at our Christmas feasts. In the district with which I am most familiar such a home-coming would bring doctors, lawyers, judges, editors, teachers, clergymen, at least one college president, merchants, travellers, captains of industry, government employees, a handful of millionaires, and scores who are in occupations far removed from farming. It would also bring back girls and women who have made their mark in city life. And all would assemble in an area hounded by a few miles-less than half a township. I have no reason to think that this district is at all peculiar in this respectprobahly other districts might make an even more remarkable showin. for the most wonderful crop raised on our Canadian farms has bein the crop of boys and girls who have kept the business of the contary moving. And not the business of this country alone. Wanderers would return from every continent and from all the important countries of the globe
send thee we cannot expect them all to return, we should at least fortific: wherd of cheer, for this is a time when hearts need to be on pre nts in past years should go this year to relieve distress, a
lonely. At a time when the nations are at war it is more necessary than ever for individuals to touch shoulders and face the future.

Of course, it is impossible to give a Christmas talk without referring to the universal Christmas text-"On earth Peace, Good will to Men." To quote it seems almost ironical, and yet I hold it is more appropriate this Christmas-tide than ever before. Never before was peace so earnestly desired or good will to men so sorely needed. If we study it carefully, we find our Christmas text as vital as ever. The fault is not with it, but with us.

Our present troubles are due to the fact that nations have not become sufficiently civilized to develop the Christmas spirit. Our nations are monstrous children whose education has been neglected, and it seems a far cry to the time when they will hang up their stockings in the chancelleries of Europe and tuck the diplomatists into bed to wait for Santa Claus on Christmas Eve. Although Mr. Carnegie has essayed the role of Santa Claus to them, they have not taken him seriously. Instead of accepting his Peace foundation in the proper spirit, they have provided themselves with such toys as Dreadnaughts and siege guns and torpedos and instruments of human slaughter.

During the past century we have developed good will to men as never before. We have had an interchange of thought and commerce that seemed to be welding humanity into a universal brotherhood, but we made the fatal mistake of leaving Peace on earth in the hands of the Kaiser and a few hot-headed men who have been working in secret. Though we must go through with the war into which they have plunged us-there is no other way out-this is the time to resolve that when peace is finally established, it shall be made permanent. We must deprive the nations of their dangerous toys and make it impossible for them to engage in war without the consent of the people. In short, we must inculcate the Christmas spirit among them as carefully as among our children. As sovereign voters we are responsible for the conduct of our nations, and if they misbehave, it is because they have not been properly brought up.

At many a Canadian table this Christmas there will be an empty chair-a place made vacant by some hero-hearted youth who has gone forth to battle for his home and all that makes it dear. Where there is an empty chair there will be full hearts: but sorrow for the absent should not cast too deep a shadow. Rather let there be pride that in the day of trial Canadians were not found wanting. Those who will spend their Christmas in the trenches of France and Belgium are offering their lives so that for all time there may be "on earth peace. good will to men." If fate should number them with "the unreturning brave," those who mourn may remember with the unreturning brave, those who mourn may remember
that they offered themselves freely in the knightliest cause for which that they offered themselves freely in the knightliest cause for which
freemen ever did battle. On Christmas Day our hearts will go out to these our heroes, and their thoughts will be turned homeward to Us. We cannot wish them a Merry Christmas, as was our wont in happier years, but it is better to be heroic than to be merry. For their sakes we must make our war-time Christmas a day of generous四

THE FARMER'S ADVOCATE
'The Farmer's Advocate

## AND HOME MAOAZINE

the leading agricultural jourval in the
The william weld company (Limited). joriv welid, Manager.
Agents for "The Farmer's Advocate and Home Journal,
the farmeris advocate and home magazine poosished every Thursday
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in adrance.
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13.

## The Little Landers.

A story is told of a man in Neiw Jersey, wh
wned so many farms that he was land poor, an
cho, attempting to work them all himself, lo who, attempting to work them all himself, lost sell one of them, which had brought him nothing for years, except weeds, thistles and tax bills put he could find no purchaser. In desperation t as a gift.
One morning, with a smile on his face, he met a neighbor, and informed him that he had disposed of his farm. "How in the world did you Well," he replied, "you see, it was like this Was selling a cow and calf to a man who could ceipt, unbeknowns to him.," the farm into the re On our way South him
most interesting travel'er, who , we fell in with almost everything about all, the natural objects in view from the train windows. He possessed the
characteristic charm of the man who lives "near to Nature's heart." has gained control of himsalf and the forces about him, and is at peace with
all the world. $H$ His information accurate and extensive that we wos so technical, might he. Finpolly we elicited from him the (to us) ast onishing information that he made his liv-
ing off a half acre of land in Minnesista, and suc-


Good Morning.
erate contain less than twent. acres, and one-half the farms less than fifty acres.
Proilliunt, Nean of Agriculture of the Stat versity of Berkeley, Citlifornia, has written an settler should know ," sixty pages or "Things a clusions is that "Ten acres of his gears to be con smanlest area on which a California crop will re year under average conditions." There are thos who hold that by co-operation this area can be The most highly organized, co-operative, communty movement is that of the "I ittl. Iranders," and attended with such marked successe and with is expansion so rapid that its advocates claim it
The movement is based on the supposition that, farming is the only job that is hig enough nate independence of the only hopses of the ultitivation of so much land as one individual or hiring help. In practice it is advantage without ornia, this amount is usually not more in CaliPre, and that frequently it is less hest be expressed by a quotation from organization can "Instead of wasteful cultivation of big areas we are to have scientific and intensive cultivation of small plots of ground; instead of going into
the wilderness and shutting ourselvec off fre the advantages which civilization has massed in centers of population, we are going to live quite
close to the big town; instead of living far from close to the big town; instead of living far from
neighbors we are going to live in trie midst of neighbors and make the most of them in every way; instead of looking up the cheapest land, we
are going to take the very choicest land in the choicest place we can find, and make a little of and satisfaction a a big farm under different conditions. expect from we bus, and accepting the shortest price for what we sell, we are going to combine our capital and brains in the purchase of supplies at wholesale
rates, and in the sale of consumer." Several hundred acres of the best land in
choice location are selected some miles from a cite. Thelected scme ten or twent,
mo
an option send is purchased ani on oper secired on several hundred acres ad
joining. The land is surveyed into quarter-acrea
half-acr. half-acre and acre lots, grouped around a civic centre, with club house and auditorium, school.
store, etc. All unarned increment fund for land is dedicated to the improvement and parhs, and for the provision of marketing for a share of stock in the co-operative stowihe heing one hundred doilars. Fach individual owns his Tot absolutely, standis on his own fect and
progresses according to his slill, energy and ters berond the sphere of co-operate in all mat-
is a Little landlat. There
is market station in the city, and a common delivers wagon going back and forth Specialists in various forms of activity are
ifmished from the community itsolf, forr example.
if a now-comer wishes to berein the cultivation of the Christmas spuinit shoring. Mere is whel joved, now whistanding certain depremsion, at vely

 vain. The contents of this hat hat sombly an affected b, the war.
jects hold a me dominame on is meat in the issure for al
circle, from the man an, wh
an story fo
whole goes
hope that every home int on
most
the compliments of the publisho
scribers are included in this.
wenty-five cents per
ontinued confidence and co-operat
entele. Aid us in making the issum

DECEMBER 10, 1914
The War and the Horse.
The surprise of the whole cons. Thight from the moment of the mant of Europe, right from the moment of the many counter-de-
clarations of War, even unto the clarations of thar, even unto the time of writing of cours necessary, use found for the horse in eavery branch of the sarvice fut into the Seld by each contesting army. There were those who
said the next war, be it ever so humble would said the next war, be it ever so humble, would
be a war in which motor transport would hold be a war in which motor transport would hold
sway. Fortunately for the Allies sway.
phase of the European war has sllies, the second itself in an
area, where although motor area, where although motor transport and
armored motor cars have had their fling and armored motor cars have had their fling anct
proved a great service; cavalry woul proved a great service; cavalry work on a con-
siderable scale, and horse haula to be relied upon to a large extent. In a land
of dykes, ditches, canals and theavy,., earth motor for cross country work is still a problem and that is where horsestesting forces and light big showing.
England, whan her expeditionary force was betype of horse she possessed shin of every useful dales of brilliant breeding. were taken Clydestransport of heavy artillery and ammunition Shires and Cydesdales, three parts bred, i. e.,
alike light in the leg, but possessing powerfut bodies and hind quarters were tasien for artillery work in the filld. This type we over here call heavy vanners, and the are good chunkily built
animals-very likely, I should sas, equivalent the best of vour grade Shires and Clydesdales They are mot top heavy, however, for although cleaner limbed than the sitire they have enormous
leverage. These van horses have pone in thon leverage. These van horses have gone in droves
from the parcel delivery firm. of 1hritain. For cavalry the ideal horse is a "plood like"
looking horse, half or three pirt stands 15 hands $1 \frac{1}{2}$ inches high up to 15 hands $3 \frac{1}{2}$ inches. No horses are suitable for cavalre re mounts which stand over 16 hands high. What
is called the mounted infantroman's horse is mounts which stand over 16 hands high. What grade riding horses, i. e., cavalry, up to $£ 70$
s called the mounted infantryman's horse is a

THE FARMER'S ADVOCATE
2091
animal, standing on form to 15 hands 1 inch legs, yet 'nippy", on four good, short, strong
freely. Theet and able to move hands 2 inches to 16 hands, The inould be 15 horse for this war has proved to be the cavalry hunter, of which quite 15,000 head have heen
willingly sporting centlemen up the Government by the country. For whatever branch farmers of the Work an army-horse is required, the war office not iost sight of the buying in Britain have hunter-build on short legs, short the English shoulders that will bear some weight and much
pressure pressure, a strong back and well ribbed up. The
more good blood-i. in the horse's veins, the better. army-horse time in England for general utiiity very popular, but a French-Canadian cross was
ness of rein Lightness of bone, especially below the the is not required by the army buyers, and loose rumpad specimens always get "The knock." After mette and shape comes action, and in all rehorse that cuts or brushes his fetlocks cannot be regarded as safe. The stamp of horse most that will rule the business always be the type simply impossible to overstock the market with is doubly so horse. It is so in peace times; it It has been my good fortune to see most of the present conflict. Our own I have described calls the moment we have buvers in Canada, and at Out bunches of "breedy" looking light horses and "hefty looking vanners. Puvers at home have gone for the best each "Call." For the Shires adiece; for the hoavy vanners gone up to $£ 40$; for the best

enough to bury a horse in, one will better under-
stand the risk of life and limb. Indeed, many of these deep holes made by the German Howitz ers are used expressly for the purpose of disposing of dead horses when the storm of firing gives pause for such a task.
have been that the English and French are better mounted than their antagonists. It has been a war remarkable for the many and oft uses of standing out brilliantly at the onset by reason of the seemingly rapid raiding work they did. But that has all changed. The Uhlan, smartly horsed as he was, and is, has evaporated, and his complishments of the Scottish and English mounted soldiery and the brilliant and Enick-actioned work of the French cavalry. In the shock of
cavalry charges the trimly built English and French horsemen have gained the day merely because nature never intended the average Teuton ous weight has literally broken down his ponderand over and above that, while the Allies' horses have been well looked after in the way of food supplies, the German cavalryman has had to
allow his horse to look after himself and "live on the country." As a rule, the German horse is a slow galloper and is not eminently qualified as a jumper. He is not trained to hustle. It is not fundamentally the fault of the horse, but Heavy to a degree, burdened with accoutrement
of considerable weight. of considerable weight, that a charger, even that a charger, even
though he be bought
from England, will from England, will
gallop ver $\begin{aligned} & \text { fast or } \\ & \text { last very long All the }\end{aligned}$ breeding in the world -all the blood of the Thoroughbred racé-
will be of no avail if the man put upon a cavalry horse's back is no better than an inThis is not said disrespectfully, but cavalry charges engaged behave proven that smartly horsed though
they be (and Ireland they be (and Ireland scoured these past ten years by German buy ers of bloodlike $r e$ mounts, costing $£ 50 \mathrm{a}$ head at three years
old) the Teuton is no match for the slim built, elusive French man or the dare-devil, cavalryman.
Both Germany and France have been con
siderable buyers of British horses for a least a decade past; in the case of France for while years or more
whermans have bought all types of riding horses from
$W$ elsh poni'es to Thoroughbred stallions
o go into their
studs. The Frenchmen have gone in more for
the Hackney or the
type. The French are great believers in that
established numerous, studs, in the development
of which Hackney plays a great part. They have
crossed the English Hackney upan all Their
"foundation" breeds; the offspring have been used
for every branch of the French army service-i. e,
cavalry and artillery work, haulage and transport
duties. We in England have, neglected the
Hackney at any rate as a riding mount. The
French have seen virtues in him for
when he is crossed upon flice midtrowight and even heavy mares of
Britain, have, like the
hunter-bred stock
hunter-bred stock chiefly, for hans, hopt to maty ever; at least that is the opinion greater and to our Shires and Cibdes moumten soldiery, breeders. M1orses arge number of British Shir
 own, but the culminating difference is this. that of whe how herwer that fuldy 50 per cent

 handled and used their bloodlike horsms "home for lime limermment have each dome les
little care or skill as possible. Though

 mostly of Shire or heavy vanner descent, will. Wir here ar....wing the possibility of this in-
when cared for, rise to great hardships and pron. wasteage will be the outcome of this dreadfur have every evidence. Whole mobs of horses are hown into eternity as soon as they are unmasked
to the artillery of either side. Enclish man soldiery have lost to, or capturish and Ger other hundreds of spare horses at a time. This interchange of cavalry mounts and transpor stock must have curious sequels, but these events great game goes om. sult must be an increased The most, palpable refor heav horse War is over, when ther kinds Than ever; at least that is the opinion greater
glayen fromi a large number of Britich have
lireeder foll of the hemer horsen sent for transur 50 per cent.
by forming countless small country and county horse breeding societies. They are to be de-
veloped upon the lines of miniature profit-making veloped upon the lines of miniature profit-making
companies, and all is to be done companies, and all is to be done fair and square
and above board. These companies or "Hors and above board. These companies or "Horse
Breeding Societies" will either buy or hire stallions and perhaps will have a few mares and breed from them, but the mares for the most part
will be the property of farmers and small will be the property of farmers and small holders
who belong to these Societies as paying members. They virtually join up as members, so that they can enjoy the privilege of reduced stallion fees. ada, I think a similar business, i. e. Syndianada, I think a similar business, i. e., Syndicate
Sire Societies or something to that effect. Anyhow, horse breeding societies are growing apace in Great Britain,, and what with our rich breeders "pulling out,", by giving reduced services, we
shall do very well. That is chiefly in the heavy horse line. In light horse production we have the Government behind us with a $£ 10,000$ yave
ling sale, paid out chiefly for siring hunter stock ling sale, paid out chiefly for siring hunter stock has been that in cavalry chargers, but the joke to the British market first! He will not be allowed to do that again. German agents have
cleared Ireland and the Midlands during the pas cleared Ireland and the Midlands during the past
three or four seasons, and have bought considerable numbers of horses at higher prices than the home Government has been in the habit of giving. What pleased the German's fancy was promptly the matter of price, and home buyers were driven out into the cold to some extent. When asked what they were buy-
ing so many horsee ing so many horses of
a type for, one of the a type for, one of the
German agents re -
plied, "for gentlemen plied, "for gentlemen "gnow what, k in d of ing them. It will not be a wild estimate to de
clare that, Russia included, over one million light horses will meet their fate in this ${ }^{\text {great holocaust. }}$ Canplace in the world's markets when the tap supplies of light horses. Thoroughly efficient workers as a rule
horses; they panadian
arsses stamin a and endurance; they are
hardy, their hearts are in the rightplace,
and the standard of soundness among them is satisfactory. 'These
are my observations are my observations,
however, and if $t h$ e 5,000 horses now being bought in Canada
for the British army for the British army
let me down in my let mee down in my
opinion, I shall be astonished., Be sure the world's horse market, for light and
heavy horses, W i 11
jump, as you call it, jump, as you call it,
not the mo mu nt
war is over but
P 1 feum acid. This kills instantly electricity of animal is of this acid on the tongue and the is near, and does not fret or suffer. This process might well be followed by farmers and others who have old animals to destroy. Better by far See an animal in a well-dug grave than to get a fow paltry dollars for him, and see him suffer along in the hands of a cruel and careless maff

The Horse, Forty Years Ago and Now.
By Whip.
The young horseman may be interested in reading about the horse of "forty years ago."
him forty years seems "a long, long time him forty years seems a long, long time and
what occurred then may, to him, appear almost
prehistoric, but to the man who he pased what occurred then may, to him, appear almost
prehistric, but to the man who has passed the half century mark, forty years back does not appear so long ago, and he may have hopes of see
ing another . forty years."
Forty years ing another rorty years, . Forty years ago
pure-bred, or registered horses, with the excep
tion of the Thoroughtren tion of the Thoroughbred, were unknown, at least
in this country hence horme in this country, hence horses were spoken of as
classes rather than breeds, and even the classes were much fewer in number than now. They were the Praft horse, the ${ }^{\circ}$ General-purpowe horse, were
Carriage horse, the Carriage horsse, the Roadster and the Saddle horse. We then knew nothing about the Run-
about, the Cob, the Combination horse, the High Stepper, the High Jumper, Light, Medium or Heavy-weight Hunter and other fancy colasses,
and in heavy horses the Agricultural class was and in heavy horses the Agricultural class was
unknown. The draft horse then, was, like the other ciasses, of mixed breeding. He was not of sufficient weight to be now classed as a good
gized agricultural horse sized agricultural horse. He was produced out
of a mare of fair size by a sire, also of fair sizo of a mare of fair size by a sire, also of fair size
but of no particular breeding. Any male foal but of no particular breeding. Any male foal usually kept for stud purposes, independent of breeding or characteristics other than size. It
was not uncommon at that time for had a team that he thought good enough for show purposes, to enter as draft, generat-purpose
and carriage, and then after and carriage, and then after gaining all the inYormation possible as to what would compete in
the various classes. exhibit his entry in the class where he thought he had the best clance of win$\underset{\text { Eing }}{\text { ning }}$ Even at that time there were a few imported
draft stallions, called, as they are called Clydessaies and Shires, and some Suffolk horses The first two named, while they had pedigrees, were not registered. The writer is not sure
whether or not the Suffils whether or not the suffilks even so long ago
wered or not. The principal desirable point in the Clydesdale or Shire was weight. Quality, then was practically an unknown
quantity." It never was discussed, and those who quantity." It never was discussed, and those who
remember the individuals do not wonder at the fact, as there really was none to discuss. These two classes resembled each other then, probably on a greater degree than they do now. As at
present they were of different colors, with large coarse heads, weavy necks, upright shoulders, an
ne abundance of coarse, Wavy hair or very beefy
legs, with short, upright pasterns, but usually legs, with short, upright pasterns, but usually
good feet. It was not possible to distinguish the
breed bod feet. It was not possible to distinguish the
beads, amid this was a natural result, as there
was a constant intermixture the Sconsthman intermixture of the breeds. Both imported good simes and mave their mares, and the former
ing mprove his stock, while the latter returned the compliment by importing good individuals from
Scotland to improve his.
During the first half Scotland to improve his. During the first half
of the last quarter of the last century each country estanl ished a stud
book, and since then a mixing oi blood $r$ en $n$ -
dered the progeny in-
elligible elligible for registra-
lion, hence the prac tice, prence the pracall ceased.
The excellent cent masel The excellent, massive
and beautiful animals,
full and beautiful animals,
flull of quality, sub-
stance, qual
 action $t$ that are seen
by the present generaton, not only in the
show ring but on the treets, of town on a the
sities, on the cound d cities, on the country
loads, and in the fields.
ither and either at work or or on the fill

 horses, whether pure re
or ross l-ree are now
di vislvided into two
lasses. viz, draft and
ald
 that weicht, and those enoush nor heavy class really have no even forty years ago, whether registered or not
Was eviden
ly the purebred an he had then practical-
 known Mow, viz, the Percheron and Belkiul
dratt,
ore not known here. practionneral-Purpose horse forty wars aso was
animail he same as he is now, a orviceatho
mesising. This is a class for which there
 purpose. As a matter of fact the good general purpose horse is matter of fact the good general-
breeder, in trying to pradly an accident. The horse of some in trying to produce a special purpose is not good enough to make a high-class that sentative of hiough to make a high-class repreThe Carrieral purposes.
The Carriage horss of forty years ago was In most cases he was the fescentent of to-day. less close, of the English Coach horse known or


Preparing to Mount.
the "Cleveland bay," which, like the Suffolk, had been bred on certain lines for generations until he pearance a defnite color, good size, stylish ap largely classified between the carriage horseigh the roadster. The horse of any good color, that was about 16 hands high, with long neck, good tail, clean limbs and good feet, that carried his attractive appearance and could trot at seven 0 eight miles an hour would win in good company. faccessive or flash action were not fooked for, in fact was not thought of. Those of us who can
remember so long ago can call to mind horses or remember so long ago can call to mind horses or
pairs that used to attract general attention and admiration and win at our best shows, that, if
taken into the show ring row in the heavy har-

Shires in the Home Land.


ransportation. choo other many modern breeds and cermit of any discussion of the here forty years ago, viz, the Hackney, the French Coach horse, the German Coach horse, the Iunters and Pon In conclusion we may venture to prophesy,
notwithstanding the prisent, somewhat dull horse market and the presence of electric and gasoine driven machinery and vechicles that perform the
functions formerly performed hy horses, we do not
think that the day for . The passing of the horse,are'used by both
young and old. Whenthe boy or girl doesnot learn to ride while
young it is seld omYoung it is seldom
that he or she ocquires the or habit lateron, as it is an acquirement that re
quires some skill tomake it enjoyable, andan adult or older per-son, knowing that heroes not either lookwhle or feel comfortide, will usually

16 hands, with the characteristics of the carriag horse more or less markederistics of the carriage speed were favored. Even at that time, while cans had for some "was not known, the Amerito breed so as to produce speed been endeavoring or pacing gait, and some of the sires trotting
these lines not uncommon to sought to this country;-it was not uncommon to see in the show ring an animal a three-minute gait was considered fast, and if he could go in 2.40 he was considered ${ }^{\prime}$ 'a and whirl-
wind." For the presence in wind." For the presence in our country now of a class of road horses with extreme speed we due the credit of producing both, sires and dams
of that class called ".standard-breds." of that class called "Standard-breds."
The Saddle horse of forty years ago was to a great extent the same as he is to-doy we do
not refer to the flash-acting saddler or park
horse, such horse, such as often win in the show ring now,
but to the utility saddler. He was then and but to the utility saddler. He was then and
now is, the descendent, more or less pure-bred, of
the Thoroughbred. Just here we may remark upon the abuse or misuse of the word ""Thoroughbred." We hear, and see in print, thoroughbred thorroughbred cattle, thoroughbred clydesdales, etc, dogs, chickens, thoroughbred fruit, roots and even plants, etc. As a simple matter of fact (the
definition of the word in dictionaries definition of the word in dictionaries, atc., not-
withstanding) there is only one animal or article in the world that is entitled on to the appellation the pure-bred descendent of the English race horse. The Thoroughbred is a distinct breed,
and the fact that a stud book has been in and the fact that a stud book has been in
existence for so many generations makes him more "thorough", than any other breed, hence entitled to the distinction. This horse was
registered at the period under discusion well-marked change in general characteristics can be noticed. Those of us who can remember can
call to mind individuals on this call to mind individuals of this breed that we ad-
mired in our boyhood that would compare favormired in our boyhood that would compare favor-high-class saddler had Thoroughbred blood close
up. His progeny then was up. His progeny then was more common on the
ordinary farm than he is to-day. At that time roadsters were not so common, light buggies also were more rare, the roads were not as good, and much more travel was done on horseback. There
were few farm stables without one or more were few farm stables without one or more
saddles and riding bridles, and father, mother sons and daughters, with few exceptions, could ride, and all the light horses werce taught to go in saddle, whether or not they had saddle char"could ride". we do not mean that say that all could stay on the horse's back, humped upimply a monkey and apparently afraid, of falling of, but good hands. The exercise was pleasant and healthful, and certainly there is no place in which
a man or woman appears to better a man or woman appears to better advantage she can ride well enough to do credit to the mount.
-

THE FARMER'S ADVOCATE
FOUNDED 1866
has arrived, but that the demand for horses will
continue, and present conditions point to the
probability of their probability of their value increasing. Hence, we
think that the man whe horses of any class will stand to breed good horses of any class will. stand to make good
money in the not far away future.

The World's Most Famous Agricul tural Experiment Station.

## By Ernest H. Godirey F S. S

in Hertfordshire gorse-covered Commmon of he
Rothamsted Experiment
Station, oldest and most famous institu $\mathrm{w}^{\prime}$ ards the close of the presen year will be celebrated the cente ary of the birth of its founder-
Sir John Lawes,-who in scientific partnership with Sir Henry $G$ il bert, conducted for 57 consecutive years agricultural experiments,
which will bear their honored remembrance to remote posterity
FOUNDERS OF THE EXPERIJohn Bennet Lawes, born De ember 28,1814 , succeeded to th ancient manor of Rothamsted a
the age of eight. He was educated at Eton and Brasenose Col lege, Oxford; but showing an early
preference for science preference for science he studied afso in the Chemical Laboratory
of University College, London
Lon Coming into possession of h i property in 1834 at the e
age of 20 , he at once began
periments upon plants growing pots, the investigations being sub-
sequently extended sequently extended to the fierd. Some years after this, observing
the excellent effects upon turnips by dressing with mineral phosphates treated with sulphuric
acid, he obtained in 1842 a patent acid, he obtained in 1842 a patent
for thie manufacture of superfor the manufacture of super-
phosphate, and thus laid t
of a large personal fortune of a large personal fortune and oi an
immense national industry. year, with national industry. The following attention to experiments which had already yielded such fruitful results, he engaged already who of an agricultural chemist, 26 years oir age. who had been his fellow student at University partnership with Sir Henry Gilbert, which was
destined to bring to destined to bring to both suche enduring fame. Joseph Henry Gilbert was the son of a Co
gregational Minister at Hull gregational Minister at Hull, Yorkshire, and his as a writer of children's songs and hymas known
them beginning with the lines. familiar on to child-
hood, 'Twinkle twink hood, "Twinkle twinkle little Star.:" He was College, London, and at the Insity, University Giessen, Germon, whe at the University of he graduated as Doctor
of Philosophy. Juring his youth he had the mor of Philosophy. Juring his grachuated as Doctor
fortune to lose an eye throukh a the misaccident.
DESCRLPTION OF THE FXPMRMENTS The work at Rothamsted. thus Incoun, may be
fivided into three separato arvded into three separat, but intrerderendent
parts, viz, the fiecd experiments, the pol culture
station and tha: latoonatur with
 tinumsly form so lopery a periond, and it is this con-

 manure "tratsomer, on when wols with mot nanures. The M Mothe with vathus artiticiat cessfully for man! wars cuma be applied and that the baml 13 bushels per it
roximately equal
to the average
give very little in
alone give more more than either separately laimed: "Ames in Broadbalh laimed: "Americans have learnt more irom feld than from any other agricultural w!om


Fig. 1-The Original Laboratory at Rothamsted agricultural questions that arose during the con unexhausted values of manures. land legislation, the question arose sa earlv Irish termination of the compensation as to the de going tenants for the unexhausted valua to out soon transforied manures. The same question it was tackled with th English agriculture, an o investigators at Rothamsted vigor by th


Rothemsted Exp... Founder
related to the herbage of permanent pastures. traordinary influence which different manures have upon grass land, both as regards the botanical herbage. Indeed the experiments have she the that it is possible to modify at wiil the shown character of the vegetation of a grass field by the judicious application of the appropriate manures. periments in other directioen the results of ex periments in other directions. It is impossible
to enumerate them all; but many of them pra
sented a final and authoritative judgent
strengthened in various subsequent enactments but it is probable that this legislation could the tables of manurial values based upon the data
collected at Rothamsted most important influence in These have had a 1875 andiculture, for whereas before improving British land in the last great detriment of the of their tenancy to the tenant, under present conditions the the incoming is couraged to keep up the full fertility of his is en-
since he is sure of just compensation for that he cannot remove when quitting for valu POT EXPERIME
It has already beem stated that the experiments at Rothammany years the experiments For ne field scale were deemed of
primary importance, but in 1883 primary importance, but in 1883
Hellriegel and Wilfarth made their important discovery hy
means of pot experiments of the part plaved by bacteria in the assimilation of free nitrogen by
leguminous plants through the nodules on their roots. Though done much important work insly investigation of the $n$ itro in an problems, this source of assimilation had not been found out.
Hellriegel and Wilfarth's discovery rave an immediate impletus to and hacteriological investigations: Their experiments were repeated rert, and even carried a st a gilurther. The worm Lidioratory. Laboratory at carried on in th nearly 60 years was also a bs o
lutely unique. The precaution aken by Gilbert to ensure a cdiacturbing and the elimination of all
influences is nowher more apparent thean in his prepar whether of soil or plant, and durior analysis period of his work or plant, and during the iong
and has been collected, stored and conveniently classified at Rothamsted a vast collection of samples and analyses which are inTo Gilbert's untiring industry is due amount of the knowledge accumulated with refer growth to chemistry, and the relations of plant out clearly the influence applications. He brought duction of non-nitrogenous nitrogen in the pro-drates-starch and cellulose in the case of cereals, scinentific contribletions Altogether something like 130 contributions were published in the joint names of Iawes and iournals of scientific societies heing chiefly the Phitesophical Transactions of the Roval Society,
the Journals of the Cheinical scoietios and Royal Agricultural and
stitution of Proceedings of the Inof the agricultural subiects elucidated hy the EX-
periments will to periments will be apparent from the following
partial selection of papers which appeared in the Journal of the Roval Agricultural Societ. of
Inngland: Agricultural England: Agricultural (Chemistry in relation oin
Lielig's mineral theory ( 1851 and 18fi3); Water pacative fattening qualities of different mpeds of the growth of harley continuously on the same
iand (1857, 1873), manures on permanent meadow iand (1857, 1873), manures on permanent meadow
land (1858, 1859, 186.3); the growth of red clover
(164i) (18.60); the composition of oxen, sheep and plots.
and of their increase whilst fatenipe (1850) wilization of town sewage (186:3); the growth of
wheat continuously on the same land (1864.
1884 ): the waluat. 1.875, 1885, 1891, 1897); amount and composes 188.3); the sources of nitrogen of (1881, 1882,
 Be, it remembered that these experiments werp
onducted for nearly 60 years at the sole expensee
if Sir John new $25=2=$ $-2=5=2=$ contriluted by the State or any public body to
wards the mainenance of the Experiments the
lust nothing, ,. this fact, in the care and sens.
of tesmonsibility with which they were conductot of restonsibility. with which they were conducted

THE FARMER'S ARVOCATE.
the reeults of the Experiments universally avail-
athe In 1882 , in 1884 and in 1893 Gilbert perabble, In 1882, in 1884 and in 1893 Gilbert per-
sonally visted the United States and Canada to
lecture upon the experiments: leature upo the experimentst; and in the tha early
nineties bound collections of the Rothamsted nimetes, consd conections of the Rothamsted
popers, consiting of three quarto and seven
octovo volumes, were presented to various na-
tional institutions throughout the world octavo volumes, were presented to vario
tional institutions throughout the world.

PUBLIC RECOGNITION
Labors so unselfishly devoted to the public
good could not, however, escape recognition.
 mented by public subscription and presented was Mrr. Lawes in replacement of the original laboracory which was installed in an old barn. (See Fig Committee was to present a service of plate, but the amount of money collected was diverted to
the more publicly useful object in accordance with the more e publicly useful object in accordance with
a euggestion characteristically made by the
re cipient. In 1893 the Jubilee of the Experiments was celebrated at Rothamsted and Harpenden by
the presentation to Sir John Lawes of his poy the presentation to Sir John Lawes of his por
trait painted by Herkomer, by the presentation to rection in front of the Laboratory and by the of a huge granite monolith with a commemora live inscription. On this occaston King Edward then Prince of Wales, presided over the Commit The ceremony of presentation took place at Harpenden on July 29th, 1893. when other addresses were also presented from the leading agricultural
and scientific societies of the world, the ing French agricultural soo societies (Societe tionale d'Agriculture and the Societe des Agricul ures de France) being represented by $p$ rsomal deleggtions. The subscriptions to
the Jubilee Fund were not confined to Great Britain, were not conefined all over the world, and nineteen
of the Agriciltural Experiment
Stations of the tunite participated. In 1882 Lawes created a baronet, and in 1893
Gilbert received the hoon n of Gilibert rece
DEATHS OF FOUNDERS AND The partnership which had enso fruitful was dissolved by bthe death of Lawes on August 31 ,
1900 , at the age of 86 . Fis trait here produced is. Hr p
 (See Fig. 2) It It was natural
that his aged friend should
lon that his aged friend should no
long survive alone, and Gilbert'
do
 than a year arterwerds on Decem-
ber 23, 1901 , at the age of 84
They ber 23,1901 , at the age of 84 .
They rest side by side in the
parish churh inseporable in in death at as in in life and
leaving leaving th i ir names carved on
simple tombstones, abpe a s.mbstones, but imperish-
the tombs of ondest, record mings," men were eeminnentiy fitted to we
the complement each for La complement each of the other.
La es
was the man of aftarir thoroughly accuaintea of affiairs,
cultural problems, perience op opramets, and able to check by ex
visionary experial and inclined to introctuce. He was also versatile partner and has been known to say that but for $h$ is plots before would have ploughed up many of the
Gill Gilbert, on the other hand, was the born
scientist, uniting their eantion to detail indomitable abere perseveranance and its very end, and wrest froperiment through to capable of teaching. In personality Sir ${ }^{\text {Somed }}$ John Lawes possessed thing. In personality Sir John appeapacal English country gentleman. of his
thenerance he was somewhat negligent, and was, therefare, het was somewhat negligent, and was,
strangers foasily enough to be mistaken by strangers for easily enough to be mistaken by
really was

 much to washing. Sir John cheerfully assented,
muet thema ancement of a third person who
time he ard recognized the baronet. At another pouithe was the attentively examining some fine
eeved him property of a female cottager. She
reld
 "to named har the subsequent receipt of a request
had admirent price for the fowls which Sir John
permaneyt midown
In 1889 , cleven years before his death, Sir
John Leawes
Experiments bry creating the "Lawes Agricultural


Fig. 3-Interior of the Rothamsted Laboratory.
specific agent I these larger organisms are de increase it has been found possible to restore or a new field of investigation which promises to yield fruitful results.

SUPPORT FROM THE STATE.
In 1912 Dr. Russell succeeded to the director following year (1913) a new wing was added to the existing buildings. This, costing about $£ 3$, $100(\$ 15,066)$ was buitt by a grant from the Govermment, the grant being conditional upon the raising for an equal sum from private sources for the taking over and stocking of a new exduly raised, and the farm acrauired by the efforts of the Society to which reference has already been made. Fig. 4 shows on the left the old subscription laboratory and on the right the new wing
with the James Mason Bacteriological Laboratory in the centre.
An annual grant of $£ 2,500(\$ 12,150)$ was also the experiments are now partially supported by private enterprise as in the time of Lawes and
Gilbert. The new wing, which is shown Gilbert. The new wing, which is shown on the
right in the ilustration (Fig. 4) consists of a
lart a Iarge soil laboratory, with director's room on the
ground floor, botanical and chemical laboratories,
librery library and other rooms on the first floor, and a
glass house for water cultures on the roof. In class basement are special rooms for polarimeter work and for soil incubations. Electrical current is officially described.
$000(\$ 886,000)$ with the famous Lato of ofy and
with with certain areas of land devoted to tho liy an
ments.
Under the ments. Under the trust deded the Experiment
are conducted by a Committee consisting
sentof sentatives apod by a Committed by tonsisting of reprea
Chemical and Linten Agricultural Socieinean Societies and the Royal with a view to extend the scope of the Experi-
ments a Society was incorper Voluntary docienations ing ind sorporated, which enabseription Lecteo from the public. The interior of the shown in Fig. 3 .

RECENT DEVELOPMENTS.
Wpon the death of Gilbert, A. D. Hall, F.R.S. under his able direction, which lasted from, and to 1912, noteworthy progress was made In 1906 aidded tos Mason Bacteriological Laboratory was equipped at a cost of about $\$ 25,000$, presented Coldsmith's Company, granted to the thing year the summ of \&10.000 $(\$ 48,600)$; the income of which
is devoted exciusity is devoted exciusively to the investigction of the
soil. The position chemist was held by Dr wrait. In long before the grant bore pand it the bacterioo, Dr. Russell, in collaboration with Hutchinson), made the the station (Dr. H. B. certain organisms in the soil provisionally that as protozoa prey upon ammonia-produscing
bacteria and so reduce their activity in bincteria and so reduce their activity in increas-
in the fertility of the soil.
tion partial sterilizaing the fililty of the soil. By partial steriliza-
tion of the soil, by which through heat or other ment
soil
robust
winge. The special work carried on in this new Iization of the soil, the lonses of nitrogen in high
farming, the biological condition commog, the biological conditions in the soil, the
composition of green crops with particular terer ence to the of greens crops with particular refer starches,
peibens on plants, and the effee or eibens on plants, and the distribution of weeds
Tie year, in commemoration of the centenary perimenta Station is appealing for a sum $£ 6,000$ (eno160), which with a further sum of
like amount ta be granted by the Brite Men amoute Go be granted by the British Govern-
 needed additional accommodation. provide mup
320,000
has already has already beek subscribed for the pur-
From the modest beginnings we have endeavored
doscribe how the Rot wested Experiment

 gists, a protozoologist, a soilt phat a bacteriolo
manager and four research ach in secretaries, clerks, assistanta and andior nine
boys.

PRESENT AND FUTURE WORE
the writer was able the guidance of Dr. Ruaepl) Laboratory buildings and the Pot Culture sw tion as illustrated the effects of partial starilite Inent in was easy to trace the effects of the treatoil having tallering plants, those in the treated obust vegetation as compared with thooes in the untreated pots.
In England the factor govern-
ing fertility is usually the nitro gen in the soil, asually the nitro-
a special
and a special study is devoted to to the
production of nitro production of nitrogenous plant
food and the sources of the to which it is liable. The good Enghish Cfarmer generallly obtaims Wigh yields, and it is doubtrul mhith hither yiveldse owing to the the
climatic conditions. But the process of getting high yields alway nvolves waste, and the return successively leas manures ar nd losses of nitro. he wast soil are now being very carefully
studied at Rothamsted. Another line of work is the testing of the view finally to ascertaining what re the factors that determin quality. The best hope of the American farmer also, is to duce crops of high quality. At present very little is known as to
what really constitutes quality or ow it may be secured. The in onducted will, it is howed, ultimately throw light upon the very quality in farm crops. In all
these investigations the results have been and will be of universal value, and it is to be hoped that the coming certenary will furnish the oc-
casion for securing to them a substantial and
widespread support

The embargo piaced by the British Government on the exportation of wool is proving
thorn in the side of growers of Blackface wool in Scotland. The stores of wool brokers there are overloaded with thousands of tons of that ma terial, and a move is being made by some
Scottish agriculturists to petition the Govern ment to relax the embargo in so far as the exportation of Blackfaced wool to America is conwhich khaki clothes for the army are made do
not include Blackface wool. Manufacturers of not include Blackface wool. Manufacturers of adapted to deal with this wool, but some Scots more far-seeing than their kin have made "samples" of khaki from selected Blackface wool, made from other wools, it is strong and should wear well, and could easily be utilized in con-

The English Hackney Horse

ceived a letter from the Horse Society has re Society stating that the rules governing admiscently the American Hackney Stud Book had retherein of amended to admit of registration | Hackney or Canadian Stud Books. The Englieh |
| :--- | councilmen have sent ine American bretheren a

The Danger Point in Milling many of the extreme beef type are. What fool- It has developed into a regular horse-race conShorthorns.
Who would run, that is moderately wise,
A certain danger for a dountful prize?" It has been said that absent danger appears
much greater than it really is, and that che
nearer the thing feared the less the fear felt. nearer the thing feared the less the fear felt.
This may or may not be true of the subject This may or may not be true of the subject
about to be discussed. The word "discussed" is
used advisedly as this article is not to be riad used advisedly as this
and digested as advice.

Advice is seldom welcome; and
those who want it the most, always like
it the least." herefore, it is not the intention
any "advice" in this discussion.
ate any "advice" in this discussion. to fame until at the present time almost any Shorthorn cow which has had a calf, whether she nursed it or whether she was hand-milked is
heralded as "a great milker," and the smooth, heralded as "a great milker," and the smooth,
even, thick, low-down, blocky cow, with little else than four teats to show her milking propensities stands side by side with the slightly more un-
standing, longer, narrower, and wedge-shaped breed sister, swinging a capacious udder at the end of long, and tortuous milk
veins and giving every indication of spoilizing veins and giving every indication of specializing
in the dairy end of her business as a cow, and in the dairy end of her business, as a cow, an ago, yes, three years ago, the wedge-shaped cow
would have sold in Canada for little if any above would have sold in Canada for little if any above
grade-cow value ; to-day thanks to R.O.P. agita-grade-cow value; to-day thanks to R.O.P. agita
tion she may double the price of her thick fat sister even though the latter may be owned by someone bold enough to call her a "heavy producer," and no one seems to marvel at the was all beef; to-day her beef does not seem to matter, it is milk that makes sales and she gives milk in large quantities. Danger is imminent. division, Breeders must

Keep together here, lest running thither
We unawares run into dangers run into danger's mouth.' be so closg that they are not feared or they may ously impressed upon they have never of been seriously impressed upon lovers of what they believe
to be the best that is in the bovine race. What would happen to the breed if all straight beeftype Shorthorns, many females of which will
scarcely give enough milk to feed their scarcely give enough milk to feed their calves,
were sold as heavy milkers sending disappointment and discouragement to thousands of s ekers after the dual-purpose cow? What would be the result if all Shorthorns were bred and fed and less of beef development? Are the nettles of danger not in evidence and ready to harmfully prick the Shorthorn, and is it not about time bafeters made an effort to pluck the flower,
shorthorns are not milking Shorthorns and milking Shorthorns are on Gancerous ground when forced to cive anywheng from 12,000
to 15,000 pounds of mik The folly of switching at one throw from beef to milk is plain. There are types and strains of
Shorthorn cattle, which, after qenerations Shorthorn cattle, which, after generations of
top-crossing, would not produce good milkers.
What nonsense to dwell top-crossing, would not produce good milkers.
What nonsense to dwell upon the milking pro-
clivities of cors which are

1shness, as far as tue future of the breed is con-
cenced, to sell cows supposed to have records when these same cows have never been handmilked and would kica any person out of the
stall, who attempted to milk them in a pail, and kica at them after they were out. Hundreds of people are looking for milsing Shorthorns, and
selling them non-milkers will very soon hurt the selling them non-milkers
business and the breed.
And why all these agitations and over-draw claims anyway? There is still a place for the
extreme beef type. The outlook for beef raising was never more rosy from the standpoint of
prices. The beef Shorthorn is as and proposition as walks on four legs. It is unfair to the breed to forget the value of its beef or to drown this in over-estimation of the milk
given. The future of beef is assured, and the given. The future of beef is assured, and the
Shorthorn, in a race for more milk, must not bo out-distanced by other breeds in the one class in which it stands supreme, beef. Offiering all kinds danger point already reached and both the milking and the beef strains are sure to suffer if the a graver danger in.
A graver danger threatens, howeverr. Exponsnigger at the comparatively small records of
milking Shortho milking. Shorthorns when, lined small records of
their $20,000-1 \mathrm{~b}$. milk some of the dual-purpose Shorthorn is a myth and that meat and milk in the same animal is an ilepossible goal. Notwithstanding the strong the ments of specialized dairymen and the rail purpose cow capable of giving from six tho o nine thousand pounds of milk in one lact period and at the same time producing a
which, properly or near the top of any market for his peef, veal and baby beef to the fattened and finis cows give more milk than True many Shorthorn
and herein or 9,000 lbs. and herein is the greatest danger. or 9,000 lbs. ponents of the dual-purpose idea have always maintained that a cow must either be a dairy cow or a beef cow and that there is no, what
they call, half-way point to mark the dulpose status. A heavy-milking Shorthorn to them is a dairy cow, and a light milker a beef cow. If the owners of dual-purpose Shorth contention? careful they will find that specialized dairymen are not far wrong when they say, "Your 15,000and just as pronounced in dairy and wledge-shaped 15,000-1b. Holstein or Ayrshire.", type as is my minds of some successful breaters arising in the minds of some successful breeders is, "Can a cow 12,000 to 15,000 lbs. of milk) production (say
remain a dualpurpose cow or will she slip into the dairy class? This is the big question. This is wherein lies
the greatest element of the greatest element of danger in the milking thought when definite steps were Laken was it annual meeting of the Dominion Shorthorn Breeder's Association in Toronto in February, 1913,
that before the end of 1914 milk would prime consideration in Shorthorn cattle in the country and the most talked-of single point in connection with the breed's make-up. Our dem Onstrators have bought them; cood feeders and
poor feeders have purchased liherally all ar
sure they have them and the ono sure they have them and the one onoal is all milk at
herds against thate, to establush milking reproduce milaers. As condairy cattle brteders the craze for high with the has gripped shorthorn men and is holaing in its relentless grasp almost every breeder who , inas a grip tightens as time goes on ferformance. Thas a comes closer. By extra milkings and by careful
and more frequent find and more frequent ftoding a few exura py careful
milk per day are milk per day are squeezed out of the capacious
udder which has developed under the udder which has developed under the supreme Holstein. While ali this is going on, gradually and often unobserved by the owner, the maat in flesh and takes on the cow; she goes down appearance of the extreme-type dairy cow, She bewide behind and narrow in front, and as a Still the process continues and the owner par. ing to indelibly continues and the owner, wish-milk-producing sign, breeds the cow to a narrow, rough, coarse, ill-formed bull because this bull is out of a high-record cow and has behind him, on producers. The progeny, if this is carried on generation after peneration, and if there is on any-
thing in the law that thing in the law that, like begets like, must needs purpose standard? Will it not have the dual ficed on the altar of overdone milk production How many generations will it take to make
$15,000-1 \mathrm{~b}$. dairy producer out of purpose cow by extra pushing for high records
And then where is And then where is the dual-purpose cow and Where is the beef end of the game coming ind Shorthorns, only they belittle critics foresee, for milker and do not credit her with latent as a bilities capable of being developed up to the
point of 12,000 to 15,000 point of 12,000 to $15,000 \mathrm{lbs}$. of milk per year
Thene is such a thing as getting to from a dual-purpose cow. Mith too much milk expense of meat. This must never be lost sight of and meat is generally put on at the expense cow.
The question arises then-How much milk per cow should a herd of big, thick milling Short A great deal depends upon the cows and their feeder. but does this sound reasonable,- - Big cows weighing from 1,400 to 1,600 pounds each or
heavier. and carrying a fair amount of flesh as heavier. and carrying a fair amount of flesh as
well as showing the type capable of producing calves which could be easily fattened to top notch finished beef, may be considered very satispractically maintain their condition and produce from 6.000 to 9,000 lbs. of milk per lactation period of anything under eleven months? Perhars 9.000 lbs. is a little high. It is a good cow. It must be remembered that the average production of the dairy cows of Canada, dairy treds and heavy milkers included, is only be
tween 3.000 and 4.000 lhs Dual-purpose cows then. as a herd. might be considerd good producers if they a average less than
7,000 this. each the herd averacing 7.000 dual-purnose proposition he herd averagine 7,000 lhs. per cow and raisand steers seems a safer pronositinn than the
herd of nhenomenally hich milk producars hut the herd of nhenomenallv hich pronositinn than the producors hut the
provenitors of narrow, skinny, weak-constitutioned




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in England are at the heads, of milking Shorthorn soon resemble the purest flock in the community herds and they
mend them except pedigree. Their calves are flock to be satisfied with nyone kothing beeping a grade the best.
further evidence of this fact. It is only a fow further evers, if care is not exercised until Canadian Shorthorns will be in a much worse position, for there is not the number of big, robust, strongconstitutioned cows. in this country to work on.
Canadian Shorthorns, dual-purpose or beif type must not be spoiled. The so-called Scotch type
with plenty of substance often produces fair with plenty of substance often produces fair milkers. English Shorthorns are recognized as
good milkers. Beef must not be entirely sacrigood or the breed's greatest asset is gone. Milk must not be ignored or much of the utility of the breed is this half is carried beyond reasod more mill demand more beef. The danger point is not far off, yea, is it already reached? The dualpurpose cow is a reality. Neither meat nor milk must by its over-development be allowed to drive
her into oblivion. The matter is in the the breeders. There is such a thing as too much milk. The priza is doubtful; the danger is certain. The goal is difficult, but this is no rea-
son why it should not be successfully reached.

The Feeder Lamb From Birth to Block.
By R. H. Harding.
Im discussing the feeder lamb from birth to profitable, it seems to me of showing it to be the, foundation of the flock should first be dealt with, as I believe therein do many fail because they neglect to lay good enough foundation. I
will divice my subject into three parts, viz.,
Selection Feed, Core will divide my subject into
Selection, Feed, Care.
While good judgment must be exercised in each of these, if the best possible judgment is exercised in selecting the foundation it will not require nearly the energy to put the lambs on the the foundation be of poor type, long-legged, longnecked, flat-ribbed, etc., all the good judgment
conceivable will not enable a man to finish a conceivable will not enable a man to finish a
first-class article from such. In order to met the lamb that will develop in proportion so as to finish practically a perfect carcass, or as near t it as is attainable, and thereby capture the very highest price in the market, requires more skill are putting into this branch of their business, ( make no reference to breeders of pure-breds, ex cepting when I refer later to the class of a ram
the farmer should use). Many men imagine that while they are breeding only grades for slaughter anything will do. This is just as great a mis take in producing lambs as it is with producing steers, and I need not refer to the difference be
anyone can see it.
No matter what the choice may be as to the No matter what the choice may be as to the
grade or cross, the ewes should be of a mutton conformation. Perhaps a word of might be of some benefit to someore good feeder is thick, rather than long, broad between the eyes, broad
poll on a short, thick neck, blending poll on a short, thick neck, blending
full into the shoulders ; shoulders
even even and full shoulders; shoulders
straight, well filled in sed, top-line, shoulders; ribs, well-sprung h ind quarters full and deep; broad, deep
chest to insure plenty of heart and
lung lung room; insure plenty of heart and
from storm; wool dense to protect from storm; and plenty of protect
good quality good quality, which will be indicated
by the sheep standing right up on
its by the sheep standing right up on
its toes, as it were, rather than be-
ing bro ing broken down on ither than be-
many are many are. Some may say- "what have these, points to do with the
feeder lamb? ?,
an answer to such I am sure that lambs frome ewes
possessing these qualities, if they are
sired gived the ar ram of equal quality, will
give their owre substantial returns. Having outlined what what we want in
the ewe flock it is equally important
that we silfect a first-class pure-tred that, we sinlect a first-classs pure-bred
ram, first-class from a mutton view-
point necessary that the fancy points, such
as wool on the face, etc., be perfect,
but it is important that the form be
let


The Right Kind of Dual-purpose Shorthorn
use of first-class, pure tred rair, we will assume use of a first-class, pure-bred rair, we will assume
that the flock is bred at the usual time, viz,
Octoter or November; (although there is another
they can be destroyed so easily, A cool, dry,
weil-lighted and well-ventilated shed, with doors (to remove the danger of crowding and consequent injury) preferably opening to the south into a large exercising yard, where colts and to a close, warm, building, (fairly warm pens are necessary for lambing in), Considerable loss is often incurred by the flock from kicks and hook-
ing where the sheep run with other stock. They should now be liberally fed with such foods as have already been recommended, but care should be taken not to feed too heavily on roots. II
think two pounds per head per day can be fed with safety and profit, head per day can be fed the sheep are getting the exercise may be that is necees-
sary. If the necessary exercise cannot be secured sary. If the necessary exercise cannot be secured
in any other way a portable rack at the opposite
side of the yard, in which to give them their mid-day meari, solves the phoblem them their With a constant supply of fresh water, salt and
sulphur, the ewes should reach lambing time in good flesh without grain.
seen to be failing in flesh,
due, perhap, if ans, to the are heavy drain on the system supporting, two or perhaps three lambs, a small grain ration in time
will often prevent serious trouble later on; two
very common causes of failure very common causes of failure with lambs are caused by ewes thin in flesh having very little or
no milk, and thereby stinting their lambs or perhaps starving them outright,, and ewes being overfed with grain whose milk, is so strong that it
causes constipation or white scours, either of causes constipation or white scours, either of
which will set the lambs back several days or perhaps weeks.
Lambs that have received a normal start
should make daily gains of one-half pound or more until ready for the block. accomplish this success, if the flock is yet in ter quarters, the ewes should be liberally fed
To their regular ration should be added a ligh
feed of oats and bran feed of oats and bran, and all the roots the
will clean up. In addition, a creep should b supplied into which the lambs can go unmolested
and where they will soon learn to eat oats, bran, o eat at about 10 days old, and it is of great to eat at about 10 days old,
benefit to both ewe and lamb.
All lambs should be docked when about a weelk old. What is more unsightly than a bunch of
un-docked lambs going to market in the fall finished on a field of rape or clover and manure
to the heels? All male lambs should be castrated while young. My plan is to do it at about three weeks of age, by cutting off the end of the
scrotum and drawing the cord out without cutting it off. Some advise cutting off the whole
sack close to the body sack close to the body. In this case I would
advise doing it at three to seven days, in either advise doing it at three to seven days, in either
case an antiseptic should be applied, and clean
bedding provided to uffset the danger of bedding provided to offset the danger of clood poisoning. It is important that the knife or
pinchers pinchers used
thoroughly clean.

One more simple operation is necessary before
the lambs are turned away to pasture-they are turned away to pasture-they
should be dipped. While the whole flock should be dipped, if the ewes
are shorn (unwashed) as 'they
should are shorn (unwashed) as they
should be before they are turned out and the lambs are thoroughly
dipped a bout a week afterward, practically every tick will be destroyed, as they have gathered upon
the lambs for protection. If small the lambs for protection. If small
lice are in the flock, all should be dipped.
Lambs from this on should get
no setback if sufficient latitude no
is etback
given them. $\quad \begin{gathered}\text { if safficient latitude } \\ \text { Pasture should be }\end{gathered}$ is given them. Pasture should be
so arranged that the flock can we changed if rom one field to another
every two or three weeks. They will every two or three weoks. They will
do better, and less acreage will be do better, and less acreage will be
required. There should be a field of second-crop clover, or a good u b b -
stitute set apart for the lambs at stitute set apart for the lambs at
weaming time (early in August). A wearing time (early in august. A
very good substitute is rape sown in
the corn field just ahead of the last the corn field just ahead of the last
cultivation. In average years this plan provides considerable feed anc
the lambs will also look after an y weeds that may have escaped the
cultivator. Lambs shoulc have abundance of grree foulc $\mathrm{fed}, \mathrm{have}$
clover, etc., from now clover, etc., from now until they
are to be marketed, and they will
stand shipping all the better if a class of lamb-raising that is especially profitable,
claser to the raising of winter or what is com-
I refer monly called hot house lamls, but as this is a
class somewhat out of the ordinary I will not
discuss it). It is necessary that the in-lamb ewe discuss it). It is necessary thrat the in-lamb ewe
be well nourished throush the winter. She should
ber he dipped before cold weather sets in, in order to
destroy ticks, lice, etc. There is altogether too
suall allowance of oats and oilcake is added to
their rations.
I think the custom of marketing oniy partial-
ly-finished lambs during the fall should be disI think the custom of marketing oniy partial-
ly-finished lambs during the fall should be dis-
couraged, and all thin lambe kent until mid-wincouraged, and all thin lambs kept until mid-winter or early spring and finished, thereby doing a
threefold good, first, feeding the farm; second, supplying arr article of food that will surely raise
the standard of home grown lamb and thereby deve standard of home grown lamb and thereby de-
velop trade, and third, by puttung into the pocket
of farmers the


A Lincolnshire Quartet Getting Ready for the Show．

## Ontario Farmers and Finance

 By C．F．Bailey，Assistant Deputy Minister of In these troublous times，when the British Empire is engaged in her supreme struggle for ada to supply nation will naturally look to Can－ she has heretofore，due to the fact that England can no longer loek to her European markets forusual food supplies．It is to be hoped there fore，that the farmers of Canada will respond to the urgent call and show their loyalty to the Empire by making an earnest effort to increase possible degree，and make the most of every op－ portunity to increase the output from their larms．It naturally follows that increased pro－
duction will require more capital to ing operations than has been necessary during the past few years．Are the farmers of Ontario pre pared to meet the demand？This is the question ent time． Fortu
passed through the farmers of Ontario have fair crops，and a good prices．From a recent in larmers into the financial status of Ontario ture，it is gratifying to Dearn that of Agricul－ fall of 1913 farmers had on deposit alone in the bhowed that $45 \%$ of the farms of the Provinco were mortgaged，to the extent of one－third value which means that only $15 \%$ of the total value of this latter amount $7 \%$ was mortgages，and themselves．It is also pleasing to by farmers farmers of good standing had no difficulty in securing money at current rates of interest． Knowing all this，and having some idea of the
comfortable homes and the apparent satisfactory conditions existing in rural Ontario，one would at first be led to wonder why there should be any
sound argument in favor of rural credit in On－ tario．However，while we speak in aredit in On－ way of the prosperity of the a average farmer，it
is undoubtedly true that there are farmers，whe is undoubtedly true that there are farmers who
would welcome a credit system wherely money could be easily secured at reasonable rates．In many instances，these men are farmers＇sons who
have taken over the homesteal or who are anxious
capital．We also must not overlook the fart doubt，be an ever－increasmg yurmher who will anxious to give up the strugele in tho chty and
move＂back to the land．＂Theme mophe in mons
instances，would be holnd instances，would be helped very matrially if th
could be supplied with a reasumation amomin capital moderate rates
In solving this problem，
where there are many and varim
credit systems in existence．As
time of Frederick the Great，rural
time of Frederick the Great，rural crem of the great European problem nations．However，before discussing tion further，let us first compare rural conditio
try，in order that we may be in a better position their adaptahility credit systems in Europe and Europe we have a very densely populated country from which it naturally follows that the farms are unusually small；for example，two－thirds of each，and one－third have an area than 13 acres acres each．In addition to this，we find in Ger－ many particularly，that farmers do not live on The farms but are grouped together in villages． cation in its broad sense；he rareiy travels out－ side his own community，and as a result is a man of narrow views．He is a plodder，whose wealthy as it is to provide himself and his family such as his forefathers provided．His wife and family assist him with all the farming operations， by his land．He lives very simply not supplied and vegetables being the main articles of diet． Therefore，his profits，though small，are available for the repayment of loans and taxes．Another
tie which binds European farmers is common religion．Every village community has its pastor or priest，who takes an active interest in the welfare of the community and lends per－
sonal assistance to all its activities．Then，
it must not be forgotten that farmers of each com－ munity are of the same nationality，of the same temperament，with naturally the same ideals，cus－ tions，we have in Ontario，a much more sparsely settled country，very much larger farms，and every
farmer living on his farm．Again our farmers a class are far more intelligent，and resourceful they are also much more ambitious and individu－ alistic，and always aiming to better their sur－
roundings and acquire wealth．The roundings and acquire wealth．The Ontari
farmer seems to be imbued with a desire to con duct his business in his own way and to his own personal advantage，and what is even more ap parent，he has a disinclination to shoulder th It will readily be seen，therefore，that condi tions in this country are very different from those in Europe，and it would seem unwise to assume that any European credit system would apply to
our conditions simply because it has been a suc cess in Europe．To begin with，the history o co－operation in Europe plainly shows that it has
been the result largely of dire necessity，and it is questionable whether the farmers of this coun－ try have been made to appreciate sufficiently the need of rural credit banks－a system much in use in Europe．It would seem essential that farm－
ers should succeed with some of the simpler form of co－operation，such as buying，selling，manufac－ turing，etc．，before attempting the more compli cated forms．In the early stages of co－opera
tion，we must expect failures，and these failures tion，we must expect failures，and these failures
should be met by those who have for their object their own profit．This would seem to apply par ticularly to banking，as failures in banking would be very far reaching，and naturally result in hard－
ship to innocent ones．In fact，even in Europe， where conditions are so favorable to credit as sociations，they lrave not had uninterrupted suc
cess，for during the year from June，1910－June cess，for during the year from June，1910－June， and according to the year hook of Co－operation Societies in Germany，＂Their dissolution was principally owing to insufficient knowledge on the
part of the founders，of economic and credit as sociations．Several societies became bankrupt more on account of ignorance of proper manage ment than on account of dishonesty．＂Last year in Austria，one of these large centrai societies
was in the hands of the Government，and in the process of liuuidation；its management had proved inefficient and unsafe，and the inevitable crash was pending．This naturally meant financial ruin
throuchout the province，as the central bank had Throuchits from 800 federated societies，and these
deposial societies in turn held the denosits of the farmers． The fovernment advanced $\$ 1,000,000$ to pay the
liabilities and took over the assets．The dis liabilities and took over the assets．The dis
astrous failure of the Genonsenschafts Bank， central co－operkative association at Darmstadt， Germanv，also came to light last year．It would
geem that not only the entire capital of almost $\$ 8 e m$ that not only the entire capital of almost
$\$ 600,000$ has been lost，but that the denosits o the farmers are also larcely lost．These are some of the failures that have been made known of late years，and it is impossible to say what
are the existing conditions of many such so cieties，for the reason that little many such so cleties，for the reason that little or no govern－
ment supervision is maintained．While I do not


Glendarg Castle．

## wish to

wish to be interpreted as being opposed to a sys-
tem of rural credit banks, yet it would iseem questionable whether it would be advisable to in-
troduce such a system until after we had demontroduce such a system until after we had demonstrated the possibilities of success in allied
branches of co-operation, and that our farmers had learned the value of tham work, and thoroughly understood the underlying principles of co-operation.
Other schemes for financing the farmer have
been offered. Among them one that has been ourered. Among them one that has many the Federal Government to the township municipalities on their municipal debentures for a term
of years, repayable on condition that such of years, repayable on condition that such muni-
cipalities loan the money to ratepayers for agricultural purposes- the loan to be made similar to the Ontario Drainage Act. One of the most outfact that it would be handled through machinery already in existence. In nearly all countries o Europe the Government assists the farmer in
obtaining credit, and in some countre labtaining credit, and in some countries, particument for farming purposes is very great. It it also true that in Australia and New Zealand, it is
a common practice for the Governa common practice for the Govern-
ment to advance money to farmers. However, a study of conditions in the various countries in Europe would seem to show that liant and better able to shoulder their own burdens when they are
not dependent on the Government. A system that seems suited to known in Germany as the Land schaft or land mortgage bond system. This system was inaugurin this state that 1767, and it is best development. Up to 1912 the Prussian Landschaften had issued mortgage bonds and advancea loans on mortgages to the total
amount of $\$ 750,000,000$. The one great sallient feature of this syscem is the fact that there is no possible chance of loss, provided vision. The Landschaft is simply landholcers' co-operative association, for the purpose of get-
ting mortgage credit, and is under govertgage credit, and is unwishing to secure loans make application to a central boor ap,
which has the power of issuing which has the power of issuing
bonds. The borrower cannot get more than $66 \%$ of the value of his land in bonds; and to insure it is firser valued by of the land, the association in the community
in which the thers in which the borrower lives, then of agriculture or someone equally well qualified, and finally by The interest paid by the borrower on his mortgage is al
ways
$\frac{1}{2} \%$
more than ceives as interest on his bonds. For instance, if the borrower pays
$4 \%$, the buyer receives $3 \frac{1}{2} \%$ from irstly tandschaft. This $\frac{1}{2} \%$ is use and the rest of this $\frac{10}{2} \%$ is paidses a sinking fund, so that in 54
years the who years the whole mortgage is paid there is Landschart. Thous
borrower's mortgage on the merely loaned hime money is the borrower fails is sold, arrower fails to pay the interest, his lan 0 the Landschaft, while the rest is turned back
0 above is under the This central board spoken of appointed Royal Commissioner, and secondly of
the Minist Forests. Apart Agriculture, Crown Lands and by the State, the Lan certain limitations enacted institution. The regular business is conducted by officials of legal training, and these are the
only employes officers are required to have salary. Honorary tions, and are appointed by the general meeting of the Landschaft-these members receive no
salary. Thus the salary. Thus the expenses of administration are
reduced to a minimum with the result that the Prussian Landschaft, which possessed no capital when first organized, in 1912 had a re-
serve of $\$ 14,000,000$-savings on cost of administration. It wiil be readily seen that the holder of a land mortgage boadily seen that the holder amount of mortgages; the mortgages are never granted heyond two-thirds of the value of the land;
the atmount of debt is being constantly reduced by


In the Highlands, near Strathyre.
adopted hastily, but must be worked out careful ly after some inquiry and perhaps, much educa-
tion. In the meantime, if the farmers of the PProvince will exert the enterprise and pro-
gressiveness possible through their own resources and through the financial machinery already at their disposal, I am sure the result will be one
entirely satisfactory to them individually and one entirely satisfactory to them individually and one
which will reflect credit on the country as a whole from the highest patriotic reasons.

## Much Enjoyed

Editor "The Farmer's Advocate"
We do enjoy ".The Farmer's Advocate" We do enjoy "The Farmer's Advocate
much and would not like to be without it.
A. I.. WALKER

This is the season when the careful feeder gains a big advantage over an ine inexperienced
stockman. Overfeeding is disastrous, underfeedstockman. brerieedults. It is the man who can
ing cannot bring resin
strike the happy medium that makes the cheapest strike the happy medium
beef, pork and mutton.
ested cow at about $\$ 50.00$ a nd cow officially terte rightly he good record, and if I remember probably cost him $\$ 20.00$ to $\$ 25.00$, but it was money well spent. We may expect the dairy
cows on average farms to improve in quality as a resuit of the dissemination of improved blood
among farmers among farmers' herds, m

FEEDING THE COW.

## Next in importance to the cow herself, come

 making the progress which the subject are not outside of the growing of more corn and build ing of silos, with a few farmers growing and feedmost farmers still depend largely has been madesummer feeding. Scarcely a season goes by with summer feeding. Scarcely a season goes by with-out a serious drought in some dairy district, which means heavy loss not only to the farmers, district who are depending upon the milk to keep their manufacturing establishments running. The heir manufacturing esta ishments running. The best remedy for this is a summer silo, illed with
corn silage. Such a silo is the best insurance
policy which a dairy farmer can trave.

## THE FARMER'S ADVOCATE

 does the corn plant, and the silo is the bestmeans to preserve the corn, in a palatable,
digestible and preserved condition. One other principle of feeding cows may be
mentioned. The bulk of the feed should be on the farm where it is fed, thus saving commission and transportation charges, and in this way lessen the cost of rations for producing milk. If feeds are purchased they should be those rich in
nitrogenous material, such as cottonseed meal, gluten, oil-cake,

The CHEESE OUTLOOK.
The cheese trade has received the needed stimpulus in 1914 to save it from threatened exof 1914 are very encouraging-around 15 cents per pound at the factory. The war of the nations in Europe, where cheese is used as part of the army ration, has resulted in a keen demand
for the product from our cheese factories. In spite of this demand, the export trade for 1914
shows a falling oft, In shows a falling off, of about 100,000 boxes of cheese as compared with 1913, and it is general
ly conceded that not many cheese are held in store by Canadian Merchants, except for English customers. It is reported that some Wisconsin cheese have been brought into Canada, to be exported. Owing to the failure in selling the cot-
ton crop of the Southern States, where Western U. S. cheese find a market, the cheese markets in the neighboring Republic have been comparatively dull and
side of the boundary
line. This side of the boundary
line. This condition wiil, no doubt, be changed before the
winter is over. The Winter States market will likely absorb all their make of cheese season of 1915 opens. Taking all things dairy consideration the dairy farmers of Canada who are patronis-
ing cheeseries, have reason to be opti$\begin{array}{ll}\text { aistic for a prosper- } \\ \text { ous } t r a d e & \text { in } 1915, ~\end{array}$ nore particularly if he war continues through the present winter and during
next summer as seems likely at the time of Writing, unless th ar Lords have from the horrible nightmare which they seem to
from While the present. Cheese farmer stands to benefit by war he would prefer to sell his cheese to peaceful nations who know the value of cheese as a human food in the
building of muscle and brain for conquering $\mathbf{t h e}$ forces of nature
and making these sub and making these sul,
servient to man servient to $m$ an
uses, rather than
sell it as a means t
produce force to be
used in the slaying of
fellow creatures.
BUTTER OUTLOOK
The butter trade does not seem so hopeful as doester markets were "draggy" in reason or other of the Canadian trade papers under date of One 12 th says of the Montreal market : $\quad$ local buyers ments as much as possible, whilst there is little
or I no demand from outside some enquiry from New York, and it is though some business may result therefrom, as prices in
that market have advanced sharply during th past week, fancy marks of creamery there havin Bold as high as 37 cents, and as our finest Sep
tember or first-half of October creamery could tember or inst-half of duty paid, there should the a margin left for the brought 33 cents to 34 cents, and surely the in
side figure could be depender? on." The la side figure could be depender on "" The las
clause of the quotation opens up it wide sulice clause of the quotation opens ups it "If fancy creamery lum is worl) New York 37 cents per pound, why shand th.
writer of the foregoing seem somewhit houn writer of the foregoing seem somewn
about the finest grades of Canadian hit................ farmers producing milk and cream foll making, and for the buttermakers in
creameries, is to get after that extra foul

'Neath the maple's spreading shade
The best of Holstein milk is made.
a corresponding increase in price to the producer quired to produce milk, the producer of milk the consumer. It ought not the price paid by sell milk in the city as it does to produce to the farm. The returns in any business should bear some relation to capital tnvested and labor cost. If this be true, then milk farmers are not Irilk needs "'boosting."
looked nopon as a foormerly regarded as a luxury, is now medical authorities to be used instead of cod-
liver oil and iver oil and other more or less objectionable
ate materials to build up the human system. The ice-cream trade continues to grow. Near4. wers little town has one or more ice-crearchom phor, tor the picture show and an ice The combensent with trade is flourishing. While lathens: thu, humm bas heen good, for this class anter fur comb..... 1 .ink having been placed with Wn reason ".... anata should not share in
per pound of butter. The New York market is lized and is likely to be more so, in Europe, by
typical of nearly ail butter marke fancy grades the present conflict. of butter bringing 4 or 5 cents per pound more than poorer grades. This extra price would pay the
cost of manufacturing. The farmers who cost of manufacturing. The farmers who benefit to have their milk or cream made for
nothing. nothing. It is possible to do this by improving butter in a season, will chating making 100,000 lbs. $\$ 4,000$ for manufacturing. The sum might be saved by making a grade of butter that would class as "extra"' or "fancy," and the patrons be
$\$ 4,000$ in pocket. The chief thing needed in order to do this is to supply better raw material out of which the manufactured goods, butter, is made. The grade of :\%utter turned out of milk or cream furnished to the manufacturer The season of 1915 ought to see a marked improvement in the quality of Canadian creamery
butter. CITY
CITY MILK AND CREAM TRADE AND CONThese three lines may be considered together to grow at an almost alarming rate, for the future welfare of our country. People in towns especially. There is a never-ending demand for good milk in the centres of population, but the
price is being advanced to the consumer without
the next period of years, when greater attractions are to be found at home than are to be offered in These Maritime Provinces, Nova Scotia, Nem Brunswick and Prince Edward Island, are closely linked together. Nova Scotia, largely because of its coal mines and of its two great steel companies, easily leads as a manufacturing and min-
ing province, but Prince Edward Island and Newe Brunswick reap a very considerable benefit by the consuming market for farm products which these industries have provided. Fishing, am important
industry in all of the provinces, and lumbering. perhaps the foremost industry of New Brunswick, and an industry of no mean proportions in Nova
Scotia, both contribute to the extent of the conScotia, both contribute to the extent of the con-
suming market. The three provinces combined make up an "entente" of a most permanent character. Producer and consumer minister to each
other and recognize their mutual dependence. other and recognize their mutual dependence.
The year 1900 marks the beginning of a progressive development in the Maritime Province of nized. This is espectally true of mining and manufacturing, and to a lesser degree of agricul
ture. The facts are, however that arricultur cure. The facts are, however, that agricultur
is always a little slow to adapt itsolf to a new
situotion situation, and, moreover, has been hampered in
keeping up the pace from the fact that the
growth of towns and cities has attracted much of

The rearing of heifer calves for future dairy cows and the fattening of hogs, on dairy by-prothets, are two sidelines likely to be profitable in would offer a more steady bacon-hog market. It
wish that the packer is like attempting to solve a Chinese puzzle to know when is the best time to market hogs.
On the whole, the outlook for dairy On the whole, the outlook for dairy farming try may rest assured that they are engaged in the most stable, and in an average of years, the

Agricultural Development in the Maritime Provinces During the Past Decade By Prof. M. Cumming
Not like the mushroom but like the oak has been the growth of Eastern Canada during the erficial glance does not reveal great evidence of development. But the careful observer records a deepension of trunk, a spreading of branch, and ward life which is gradually coming to its fruition.
The more I travel, the more do I wonder that e ever held their own Everywhere I go in
America I find sons of Marıtime Canada who have migrated ir o in
the land of their birth, and are now occupying the proressions, agriculture, manufacturing
and almost every line of human endeavor.
First it was the lure of the rapidly, develop-
ing business and manuing business and manuNew England States and later the attracplains of Canada that drew thousands of our y oung people from
their
native their n a tive land.
Oftimes they left none but their aged parents to care for the home that gave them birth.
Not infrequently, they Not inirequently, bind,
left no one behind,
and nothing rempins and nothing remains to tell of their lifee here
but deserted farms that mar the landheart. And yet there
$\mathrm{were} \quad 40.000$ more people in these pro-
vinces in 1911 than in 1901, and there is a degree of prosperity
incomparably superior incomparably superior fifteen years ago. One
naturally.
therefore naturally,
asks, if even a small asks, if even a small
growth has occurred
during years when so during years when so
many have been lured during years
many have been lured
from our shores, what growth of towns and cities has attracted much of
the other
may be
there has chere has
change in
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the best blood from the rural communities. For degree of prosperity among our farmers that
this reason, we have to frankly admit that, al- undreant though there are great agricultural possibilities our demands for food in these in order to supply importing, from other parts of the world we are cultural products to the value of several millions of dilars. Especiatly is this the case in Nova
Scotia, the value of whose agricultural imports amounts to upwards of five million dollars. Gradually increased production from our eastern. farms is bringing this
adverse balance of of adverse balance of healthy basis, and this
is where the opporis where the oppor-
tunity of the easterng
farmer lies. larmer lies.
A few figures strikindustrial development in these provinces. In combined of the of the factories an d Workshops of the was $\$ 46,886,691.00$ wa s $\$ 46,886,691.00$.
By 1911 these figures were increased to
$\$ 91,264,956.00$-neary 100\%. The mineral period of time increased from $\$ 9,708,-$
417.00 to $\$ 11,146,-$ 285.00, an almost corresponding incre-
ment. Since 1911 , each. of these im-
portant lines of in n -
dustry have added to heir output nearly $25 \%$. Figures relative to agricultural pro
duction are not so
easily
each province hras seen along certain development long certain definit
lines which are briefly paragraphs.
The urban POPULATION
creased from 1901 to 1911 by 79,025 provinces inpopulation decreased by 35,020 . The difference however, is more apparent than real, for, during as rural were incorer of villages formerly classed is now regarded as urban. and their population is Prince Edward Island, which is almost wholly an agricultural pro-
vince, and where there has occurred a nearl rural population. In may be paid that there be said that been little of the rura numbers tion, which is popula a great deal when one compares when
etatistics provinces of these of other provinces of Canada and States when, moreove and when, moreover, one proved machinery im methods of farming have made it possible hor a single man on
the land to produce a great deal more than he formerly ing the necessity as large a proportion of farmers as was
 What fully on thite point because It fin is that many people
have the idea that
the vinces are hecoming mally decadent.
AGRIMTITIRAI PRODITTIONAL

Figures in regard to agricultural production industry. The Agricultural college turns out in-
are difficult to obtain in a country where there is telligent young farmers every spring, and in
not a larrn part of the products of the farm go almost leaven is at work for the betterment of agricul-
directly the the the However, crory one, familiar with the consumer. tural methods. In 1899 only thirty-seven lation of wary one, familiar with the rural popu- students were studying agriculture at the Truro


Ready to Do Their Part in "Business as Usual ,
the products of the farm paid for practically all WHAT HAS CONTRIBUTED TO THIS One of Nova Scotia's public men when asked velopment," replied, "To the increase local markets, and to the energetic guidance of our Provincial Agricultural Department."' That
Department is a dynamic force in our agricultural
increase
methods creameries, of live stock, and the led to an increase in the eggs which have been the chief points of development. The three provinces, but Nova Scotia and New Brunswick in particular, have, in the past few years,
through their well organized Departments of Immigration, absorbed a very considerable of of Im -
of settlers fromer of settlers from Great Britain and other European countries. This Immigration has been of a and resulted in substan
tial gains to the ag cultural industry. It
is is impossible in the
scope of this article to scope of this article to,
more than briefly refer to some of these
points.
nova scotia
All the Maritime
Provinces Provinces are well
adapted to dairying and all have made great developments in
the past quarter of the past quarter of a semi-decade has, however, witnessed a greater development
in Nove elsewhere. Prior to this time creameries had only provec
moderately in the Province, farmers would not supply sufficient milk apnd
cream, but 1911 and cream, but 1911 saw a
$30 \%$ increase in the amount of butter manufactured in $t$ he creameries as cor
pared with 1910 , a m
in in 1912 there was and ncrease of $27 \%$ was ${ }^{2}$ an
1911. In 1913 1911. In 1913 there
Was an increase of
$49.8 \%$ over 1912 Was an increase of
$49.8 \%$ over 1912, and
while the while the figures for
1914 are not yet aval 1914 are not yet avail$\underset{\text { Dairy }}{\text { able }}$ Nova Scotia's estimates Superintemdent

Scotia, for of even a decade ago. In Nove, the products of oxample, the estimated value of the numbers $\$ 20,000,000.00$. years ago was in round creased to $\$ 30,000,000.00$, and this figure in ing that there has provinces, we feel safe in we increase in the salue at least a corresponding farms. Part of this of the product of thei production of this increase is due to larger arge
vincial Aregular and shrort courses at our Pro dence could be given College, and no bettor Pro agricultural sentiment. the growth of the true 1899 have grown from 119 with 974 mgricultural So years ao 219 with 9,248 members in 1913 . Tem in the Province. were only three local exhibition and in addition an equal year there were thirteen Poultry Fuhibition equal number of Seed Fairs two or three Model etc. In 1900 there were or three Model Orch


Island seed oats would prove most
even on the plains of Western Canada


## Character.

pondingly striking has been the improvement in
dairy stock and in general
dairy methods pracdiarry stock and in general dairy methods prac-
ticed throughout the whole Province. is The growth of fruit growing in Nova Scotia is well known throughout all Canado. Scotia
ning with an export of 40,00 barrels in 1880 ,
each semi-decade has seen each semi-decade has seen about a $50 \%$ increase
over the previous one.
But the striking developmert of the past ten years has been the co-operative movement. Forty-two local co-operative so-
cieties all united under the one United Fruit cieties all united under the one United Fruit
Companies will market $65 \%$ of the apples of Nova Scotia, a large percentage of the potatoes and will purchase thoussands of dollars worth of supplies of farmers during, the present year. The story pages and is familiar to all, who recoegnize in coe operation a means of emancipating the farmer om many of the ills that he has suffered from. Agriculture, the splendid Low Local Department of tural College, and of other means taken to promote agricillure in the Province have already been referred to, and space does not permit
further comment. We can only add that when next we roviewt. the agricultural development of then
this province this province we expect to include the doubling of the poultry ind estry as amell as the doubling of
animal production on the farms
NEW BRUNSWICK,

In New Brunswick the most striking develop-
ment during the past ten years has potato growing. past 19n years has been in
potatoes was
p5 potatoes was 35,240 , and the total acreage under $5,380,-$
264 bushels.
In and the total yield $9,092,393$ bushels. There the also been a marked development in apple growing, which for years had made almost no pro-
gress in the Province rersin the Province. The Sharp Orchards and
nurseries at Upper Woodstock, were the tion and source of many orchards planted inspirayears gone by, which were profitable for a time, five years the splendid work of the Dean the past Agriculture, under A. G. Turney, Deportment of model orchards, inaugurated apple shows and carried on demonstrations of various kinds, is
already
vielding its make parts of New Brunswick allidst fair to to
famous as fruit growing centres with famous as fruit growing centres with equally
Annapolis Valley of Nove Scotia Annapolis Valley of Nova Scotia,
Similar, though less marked, progress is reported in dairying,
poultry raising and other agricultural work. But the most encouraging
velopment,
wick is a new lease of life whic
the Departer the Department of Agriculture ha
taken.
Agricultura being built, Agricultural Societies are mult tplying, demonstration and in general this is being $r$ e an awakened spirit which is is to lead to continued developmen atong agric
Province
aPRINCE EDWITD ICHIT those who have genaly adrnutted, tunity of observing that $t \mid$
premier seed fair in the Down premier seed fad
Canada is held outcome of a great development which in thinge wing ming to help the needy in far-away lands
thousands of dollars into this $C$ not of supply for seed oats and other cas the soure. if you towk yon will find them. day out best farmers in Nova Scotia nud Now
Brunsw ${ }^{2} \mathrm{k}$ unhesitatingly look to
 though this has been accompanied by some docrease in the number of cheese factories, the Hole movement has resulted in a great development in dairying on the Island In this development the Carmers have not failed to consider the
importance of live stock improvement and it is the opinion of experts who have had the opportunity to observe that, by better methods of breeding and feeding, the quality of the dairy cow
of Prince Edward Island has been greatly improved. Nor must I in this reference omit the proved "of the most In hoof this reference omit the
sheep
domell as the other domestic animas that contribute so much to the
profits of agricultural industry proits of agricultural industry.
The co-operative marketing
the Egg Circle movement has proven a splendid movement in the Island, and while troubles have been met with which it may be difficult to sur-
mount, the outcome has unquestionably been to stimulate poultry raising in Prince Edward
Tsland. Tsland.
We have in general terms referred to the
activities of the Department of Agriculture can only add to our statement by saying that the demonstrations, and ourses, agricultural meetinge activity are yielding their fruitage far in excess A , money invested in them-
he Island discussion of modern development ference to its world-famed forp and without a re Whacing industry. But that is a story by itselt Wer else may be said of it, the fact remain


that it has loosened up money in a country whose progress was being hampered by a krouit of
saving carried to But our space is more must conclude. Never did things agricultural ple so well contented wind never were our peo no part of Contented with in in a beir lot. Per chaps
stand stand the stress of war and wher peace comes,
and may it be soon, we look for a and may it be soon, we look for a growthes far
greater than that which we have recorded hut
such such as one might expect we have recorded, but are endowed not only with resources of soil, but
of lumber and people whose possibilitities of achievement are un-
limited.
"Writing will remain when words but spoken
may be soon forgot."

Challenge

Carr."-Miltonth lior victories no less renowned than


## Contentment

## Canada's Sugar Crop

 War in Europen is not a good thing for the a vast quantity is tied up in the war spare, yet hazy chances of it moving into the field of commerce. A restricted mercantile marine atthe outset of the wair led the
in
a
outset
supply of the war led people to lay much above the or ordinary, but when atice
additional 600 on additional 600,000 tons of beet sugar came on the market and brokers saw a probability of Ger-
many putting her crop of two many putting her crop of two and one half mill
lion tons in motion, prices in New York fell with a crash. This weakening of prices does with
signify that growers signify that growers or manufacturers are to un-
dergo enormous losser not to gain so much. In the British Empire there are two beet-sugar and the other at Berlin, in Ontario. The supply
and of Canadian beet surn, in the world's market, neither is it it of surge factor on importance at home, for only between one twentieth and one tirrtieth of the sugar consumed in the $\mathrm{D}_{\mathrm{o}}-$
minion is heet sugar. minnon is beet sugar. Each year we consume ap-
proximately 600 million pounds of sugar only from 25 to 30 millino pounds of sugar, but
terial will thounds of this material will this year come from Canadian soil and
air through the efforts air through the efforts of our farmers and manu-
facturers. The word "-air") is used if the tops remain on the land and the beet pulp be returned to the on the land and the beet pulp
loss there is practically
no loss of ertilizing ingredients. Sugar is a com-
bination of ingredients which plants receive chief-
ly from the ater ly from the atmosphere, and with their wonderful mechanism transmute into supar. TT Pronduce
this seemingly enormous auantity of 30 million this seemingly enormous quantity of 30 million
pounds in Ontario there were 13 on poends this year, yielding as a total approximate ly 115,000 ton, yielding as a total approximate grown in the majority of our sugar, however, is
Nunny South.
$J$ Uuva, Cubas and the Rrown in the Sunny South. Java, Cuba and the
West Indies are ail known for their cane, and the latter two send a large quantity to feed the wheels of our sugar refineries located along the water-front. A seventy-five-day run for a factory
om surar beets is considered favorable, and the reure of sugar from imported over to the manufacre certain seasons of the year when all Canadian plants are busy refning ca ne sugar, but during fall and early
winter the two mills previously Winter the two mills previously
mentioned are kept humming with
ne a "made in Canada" crop. The farmer's job is to produce stuff Ior other people to eat, and Can-
adian farmers are not lax in their duty. Products of Canada's soil have a taste about them that is pleasing to consumers the world
over, yet the most fastidious or the most patriotic cannot distinguish between sugar that was
grown in Germany or France grown in Germany or France as
sugar beets or in Cuba or Java as
 adian-produced article, Atter the
intricate and elaborate laboratorical processing sugar is sugar. grounds for ar there are no
Campaign except ceasons, and $\begin{aligned} & \text { Campaign except }{ }^{\text {if }} \text { for par cultriotic } \\ & \text { the }\end{aligned}$
 crop ${ }^{\text {ces }} 4{ }^{\text {we }}$ to ${ }^{\text {now }}$ have could $\begin{gathered}\text { handle } \\ \text { days } \\ \text { in }\end{gathered}$ considered a favorable season over which to
spread the manufacture of beets into reffind suyar, whe manufacture of beets into refined
over 75 days or more the season the thends
ovesent over 75 days or more at the present time $\begin{aligned} & \text { ciment } \\ & \text { Houson, Manager of the Dominion Suear } \\ & \text { Com }\end{aligned}$
Houson, Manager of the Dorminion Sugar Com
pany, with offices at Wallaceburg, from whom


Confidence.

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these facts were secured, claims that the beet in embargo is placed simply consign
dustry is a boon to the farmers who are in position to produce sugar beets. This being
there must be room and a need for more tories. Farmers, of course, view the proposition trom their own situation, and many there are
who taboo the practice of growing sugar beets, but after all has been said the immense quants, ties of beets along the railroads and the moun-
tainous piles now at the factories tainous piles now at the factories plainly be-
apeak the satisfaction that some growers derive apeak the satisfaction that some growers derive
from their $\cdot$ beet checks." A list of 200 growers
ho realized over $\$ 60$. Who realized over $\$ 60$ per acre rom this crop in 1913 recently came to our attention, and it is
gratifying to see the number who range around
70 and $\$ 80$ pert acre gratirying to see the number who range around
$\$ 70$ and $\$ 80$ per' acre. Where the soil is suitable the whole matter hinges upon the labor question, Where it is possible to secure help who have grown up in sight of the European, sugar-beet
fillds, or have beet-field proclivities and backs, there is no question but what the crop is ner. It is one of the best means indirect manof weeds and preparing it for grain crops that is trown to farmers, but still there is the toil, the toll that Canadian farmers willingly bequeath to
laborers from foreign shores.
In view of the
engar beets is suitable to certain production of country, and that next to sound agriculture, home industries are the making of a nation, eat up the crop that could mo increased many
lold. D. A. Gordon, M. P., for many years Presi-
dent Pold. D. A. Gordon, M.
dent and General
Man a ger of the
Wallaceburg Comer Wallaceburg Company, admits there is good
money in the sugar money in the sugar
business from the
manufacturer's manufacturer's end amount of finances $t$ operate the business The fact that approxidollars are tied up in
the Wallaceburg the Wallaceburg fac-
tory is proof of this tory is pro
The acreage devoted
o beets may be increased in Ontario, as the beet-root factories Intend to lengthen
their season of operation and anticipate a un of 90 days, night and day. Furthermore, beet growing in. Oncouragement and appreciation, thelarge contral plants shoulld bo in a position to
potablish smaller or subablish smaller or
subsiary factories
near the near the feet centers uch as they have in
Germany. These would Germany. These would tions, and they would supply the large refin-
ories with raw sugar enabling them to oper, ate throughout the en meet the need of more factories at a modes oxpense.
market or the production war upon the sugar Fordon asserts production of sugar beets, Mr manently influence the market or the detime our beets in this country. At the present
timply of sugar comes from what the lactories manufacture from beets and what they duction at home prowided sugar. A larger pro handle it would be comided there were factories to an agricultural viewpoint, but it would simply mean a decrease in the amount of work done along the line of refineries that depend upon the
foreign
but breign , woduct. That is an industrial problem,
but from the farm end a larger industry in beet
sugar pronluction would be advanturoons to the sugar profluction would be advantageous to the
country. Furopean countries are the largest pro-
ducers.

to the plate. Th to the plate. The
log run with eighteen is run into the packingenty oother cars unloading commenced on an anse siding and yards. Straight car loads runways lead to the sorting cormenced, for all pigs unloaded and elects, far from it, and a good sold are no ery particular as to its "seeiect", hog company in laced, L-shaped passage with doors comveniently t this ancle angle is the sorting machine, and stands a man who can guess the weight of door within three pounds almost as regularly as the guess-your-weight'" individuai who operates on o out one way, the rejects the other, and are in separate pens. Then comes a second selection, ots the same way and finally from one lot three
made-culls weighing helow 120 me each, seconds weighing we to 135 mel ms . each, and
eflects selects weighing anywhere fom 150 to 190 nts
and up to 220 ths., provided they are not to hin or too fat, and are of the right are not to It would surprise readers to spe the number of
culls and the percentage of seconds, and it would
prove a great othiect culs and the percentage of second, and it would
prove a great oniect lesson to feeders if thes
could see the uniformity in type and conforman $t$ tion of the selects as compared with the seconds

and aiter supper, the former being the sleepiest
hour for growing boys and the latter the last straw which breaks the camel's back. The youngster, with good care, soon grows bigger, noisier and uglier and the prime consideration is
to get rid of him as soon as possible and his days in the good feeder's hands are limited to 185 , when he should weigh in the neighborhood
of 200 ths and will turn in the greatest amount of 200 tbs and will turn in the greatest amount
of profit to his owner and to his packer alike, of profit to his owner and to his packer alike,
Accordingly at this age he is sold to a 'drover' who happens along. On Monday or Thursday,
or some other day set by the drover, he, with his mates, gets no breakfast but a little dry chop intended to constipate him and prevent loss of weight through possible increased excrement, due a hustle about the place, the wagon with the stock rack on is backed up to the pen door, planks are used as a runway and with sticks and
whips the pigs are hustled into the rig, the Whips the pigs are hustled into the rig, the
planks dropped, the end-board adjusted, and the
team started for the station. Whether the team started for the station. Whether the weather is 100 degrees in the shade or 20 de-
grees below zero the same open rack is used, the gnly precaution ever taken being to take along a paii with which to dump cold water on the
hogs if they show signs of hogs if they show signs of being overcome with have to. We would caution feeders to handle their pigs more carefully, as every cripples hog means a loss which must revert to themselves. At the station, wagon, pigs and all, is
weighed or the pigs "dumped" out and driven on
$\qquad$ helper, after the or d d. starts at the fronit
end of the rack, an end of the rack, and
with shouts and kicks proceeds to crowd the wagon where one the ears and "'yank" drop the $2 \frac{1}{}$ or or 8 fee
to the ground. Thil careless unloadground is frozen or slippery often causee
injury, and it is injury, and it is not
uncommon to find ai
such times four or five cripples in a car due
to such carelessness. If the pig is to be shipped in a single deck load he is hustled
with 80 or 85 others with 80 or 85 others
into the car and ia soon on his way, or is
it be a double-deck load the number ma be 150 or thereabouts.
At the stockyards the lot may be sold as
they are, or may be they are, or may b
unloaded, fed an watered.
Here the pig is pur hased by representa tives of a big packin he most interesting 1914 at $59,270,60$, Short
and Hungay $\quad 11,280,108$ short cwt. $16,5,2,132$, and
Many $\quad$ these countries are now
there is war, hut




And the Maples Grow on Either Side
well-dressed he is pork. It is a far cry from pig we poras; it is a long way from pen to plate.
to
From the thrifty, big, lazy hog which greets his From the thrifty, big, lazy hog which greets his feeder with a gratifying grunt to the tasty, ap-
petizing and satisfying slice of breakfast bacon ready to be fried in its own grease, is a trans formation scene or rather number of scenes of which the feeder of pigs knows little and the concouth pig and then at the dainty dish of bacon knows that it is not being illusioned; knows that the great transformation is accomplished by clean and sanitary methods, where nothing of deceit or
trickery is done, and takes the pig as a necessary nuisance on the farm and pork as an indispensable dish on the well-set talle. The pig is
never a pet, but bacon is a general favorite.
Let us see what happens to the pir on his way never a pet, but bacon is a general favorite.
Let us see what happens to the prig on his way
to his destination-cured pork; let us follow him to his destination-cured pork; let us follow him


The Pig From Pen to Plate Im the farmer's pen a pig is only a pig, but
when he leaves this pen for the city and becomes or packing-house salu, and then up the tonk, robbed of consuming people who have bee trade. In supply through the disruption of imported amount of beet sugar has been two cargoes banada, with the exception of ago. Thus a demoralization Montreal two years would not Europe, if such a thing occurred, far, as it might throw into confusion the entire tario are concerned their as beet growers of Onthe same. A misapprehension is abroad that the because of anefit the growers of beets in Canada beet sugar from Europe without foundation, for our importations ogether sugar are unimportant," and after the war is over an outlet throughar wherever produced will find merce just as surely as water will find its own
Bess themselvers of Ontario must force the busiundoubtedly brings thouse its development, for it pockets of Canadian farmers, but after the war is over, we believe the industry in Ontario will rest on its merits and grow just as the farmer
leated chute to the over-revolvis thinal plunge imthe thesterime

end an annoyance to the packer. Of the 126
culls, the average was 108 Ibs., of the seconds 128 its. each. It injures the pig feeder's business to sell unfinished pigs, and deprives him of the
easiest-made profts in pig Feeding, viz., the easiest-made profts in
finishing of a grown hog.
After being weighed on the packing-house plat-
form scales the pig, with his mates, is driven
form scales the pig, with his mates, is driven up the long, cleated chute into a small pen in which eight feet in diameter around the circumference of which, at regular intervals of a few feet, are placed short
grab
chains and large
Before the realizes what is happening one of the chains has him by a hind leg and he is going up hind end fore-
$m^{\prime}$ s $t$. Around the revolving
circle he goes and slips rod resembling the track for a feed or litter carrier. He is now hanging head down, and the
chain on his leg with pulley on the track is ready to run h in along. Right here he meets his by a long, sharp in the throat by a long, sharp aknife finishes track, with others ahead and more behind, following in an alSuddenty there is a little splash and he is with those which have gone before in a large v at of by men with instruments for the purpose. The scalding completed, a. power-driven lifter picks him up most he slips through the foremcudder, an indescribable arrange ment of small hoe-like irons leading to a small circular centre through which the pig
passes and the hoes scrape off his hair passes and the hoes scrape off his hair. From number one he slips into number two, and by knives take a scrape here and a scrape there(here a scrape and there a scrape, here and there a scrape) and the pig once more is swung to men each with his particular work to do. The pig never really stoos from the time he ascends first cooling room as clean as a new pin! As the passes slowly but steadily along the line of expert workers, a line in which division of labor is most marked, he is opened neatly at practically ticular work, his en-
trails are dumped and trails are dumped and
cleaned, his, back bone
"sraised"" by who, with two sweeps of the knife the entire $1 \overline{\mathrm{e}} \mathrm{ngth}$ of the hog,
severs every portion of meat from the sinnal the cleaver finishes h en job the pig's back simener is so nicely re-
moved and so thin that it is almost semi. transparent. As he
passes along $t w o ~ o r ~$ passes along $\mathrm{t} w \mathrm{o}$ or
three men put the
finishing touches linishing touches to "a
clean shave" with knives, and he disan)-
pears throurh door. If he is destined for export as "W il It
shire sides" he rememes
a little ":xtrit through a large "ime immedaters after being moves all the hair re- and
saves extra scraplng The pig dest inted for
home trade is not singed unti
to this second
moderately second roo
where, as he enters door, he is subjected two strong gas flam
irr the hands of who go over th any straggling hair
which may have escap which may have escape put on the finishing touches, amil this large, dark room they harry hours until the following morning,
they are rolled along on the over-hail they are rolled along on the over-hcal
to the cooling room where they remai two. as the case may be, at a temperal
arcound 35 degrees F . On the entire joun

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The Last Feed
being delivered at the end of the table, the heads going here, the feet there, other pieces somewhere else, but all into their particular receptacle. The Wiltshire sides are graded as to weight, and pre-
pared for both the British and Canadian They weigh anywhere from 40 up to 90 trade. Then they are branded with the name of the firm. this being done by men with large iron brands close together to prevent the trade cutting very any portions, however smail, which might not The brand thereon. they are "laundered"' in a large revol in eatemnt they are "laundered" in a large revol in? washer,
and the feet are carefully "manicured." All is
done by machinery. The heads are split.


Come $)_{n}$ In the Water is Fine.

## ".a. .1. .n's unsuitable for food countries in assisting

 It is an interesting process.from place to place, steadily passing man after pors here is a mystery, but atior it haspens to the man with knife, with saw, with cleaver, with a ciue ancount of treatment it is hung in teceived chinery for there any lifting is necessary ma- smoking room where it gets from 24 to 48 hours From the cooling room the pigs are delivered tions prevailing. The forcording the weather condiby the same track process into another room shorter the "smoking", necessary. After being
where they are lowered to a sort of endless-apron smoked it is cooled amain. or moving table, along which they are cut up at the rate of about 150 per hour. As the pig passes on the table each man has his particular
part to do. On, on they go, the trimimed side And then what, it is
Wiltshire sides, in baskets per cut, in boxes as orders wrapped in paper, in cooked ham or rolled
shoulder, in pork pies, in in shoulder, in pork pies, in every possible form for one plant. We neglected to the one plant. We neglected to men-
tion that on the way around each and every pig is inspected by a government inspecttor and
if found unfit for human and sumption goes to the fertilizoworks. We also did not state
that Wiltshire sides that Wiltshire sides from mthe "see ect" hogs are again graded almost 25 per cent. of these are too thick, or too short, or too heavy to go in the "select", class
of finished product. "The W ilt of finished product. The Wilt-
shire sides are packed in ordinary, strong packing boxes, one on top of the other pressed down on machinery, and are then ready
for shipment. All these parts unfit for foo are made into fertilizer, the food is rendered in large caldrons daily, and pours out of pipes in-
to paiis, barrels, or is made up in prints, the hair is saved, in
fact everything is fact everything is utili sad but, in squeal, and with the German toy
trade cut off becaus? of the war We should not be surprised to hear
of some enterprising packing firm manufacturing
this into tin whistles for From the plant the cured ren. wholesaler or the retailer, and meat goes to the
of a big packing plant, and a piece of eatanding features bacon or other meat from it is "select", "select"
bense of the sense of the term. Upon entering the slaughter
house one might say with Stect in ever -
'And it smelt so? Puh !''

But it is only the steam and the odor of blood, through his treme cand seen the excleme canliness and arecau-
cions against disease tions against disease
or ot her undesirable
condithens her conditions, he is forced
to say with Cowper, But fo

- But for one piece From the whole hog to Indeed the whole Indeed the whole
hog is turned out good
and wholesome, and and wholesome, and
from no part would anyone wish to be de-
barred after seeing him dressed for the plate. We must leave him
here. If the farmer here. If the farmer
produces the right hind of pig and finishes shin
for the market t e parker
park.

Poultry Breeding Stations in Europe and Ontario.
By Prof. W.R. Graham It was the writer's
privilege to visit Ire privilege to visit Ire-
land and Denmark dur-
ing the ing the summer the visit was to stud
first-hand the method adopted by thes.
the Poultry Industr. Poultry Breeding Stations agricultural products, and noted for its high-clas the same. The constant uniform quality of product impressed the writer more of their point of superiority. That is to say the retail-
ers to an individual were highly pleased with th constant grade of the praduce trom Denmark.

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ing, feeding question of breeding only will be considered. It is a well-known fact that some breeds lay white
eggs, others tinted or brown eggs. There is also eggs, others tion between breed and size of eggs, and curther, most strains of the same breed vary a. to size and number of eggs produced.
In order to command the mariket, the size of eggs is important, especially in England where eggs in a wholesale way are sold by weight. The producer is particular ny interested in the profit numbers, as a measure upon this point. The Danish Governmen 10 ng ago established Breeding Stations,
These Stations are located in variou parts of the State They also carry on systematic record
the work as to g g the work as to eg g
produced, feed, labor eggs sold for hatching etc. It
writer's
was
privilege th writer's
examine many of of $t h$ records. The inspec tion of some of these Breeding Stations was
made easy, owing made easy, owing to Danish judges of the competitions. were at work at the time of
the $v$ is it, and the the $v$ isit, and the
writer simply the party. It would take the judges forty
days to inspect all the Stations, which means $t$ hat there are no
small number. The size small number. The size vere taken into On Ontario's Peaceful and Shady Nooke. ane stocked with such breeds as Leghorns and managed, a bonus of one "pound ( $\$ 5.00$ annually.
Minorcas. Yinorcas. A few have Plymouth Rocks or and Denmark from the writer's point of view, Orpingtons, but eggs, and large white eggs,
considered of more importance than meat.
ider dea was onen to debate. The Stations are carefully inspected, and male
birds from the best producers are used in various Stations. It was claimed by the Inspectors that
Station this method had increased the average production and size of eggs over the country to a marked exand which was admitted in both countries, was
the lack of a central Breeding Station from which males of undoubted, known pedigree could be supplied to the Stations. The question of the supply of males to head the pens was perplexing. The practice had been to exchange among Sta-
tions, but at the time of the writer's visit it tions, but at the time of the writer's visit it
was felt that this had about reached its limit,
 ions supply egge for hatching to the neigh-
boring boring farmers at a
small price, generally small price, generally
at a rate of ahout two dozen table eggs for one dozen hatching eggs. The Station re ceived
from the small grant
Government depending upon their are ard skill of the nanagement. In only
very exceptional cases s more than one breed Illowed to be kept.
Ireland has followed the Danish plan not olly in Co-operativ
Association Associations, but also in Breeding, Stations. used in Irelamrd, as ome breeds are laimed to be more sections of the cortain ry, and moreover, the dressed bird ise highly alued. Ireland has a
large
number of large number of
Poultry teachers,
or mostly ly lies, achers,
over the
ane are a few over these are a few
Inspect...s, a scheme
not unlit. nspecturs, a scheme
not unliha, our Public
Schools. The teachors
 eveninge, and during
the day ist the farm-
ers pumitry-vards and
eare alon rasponsible are atw respons and
tion
Station the the Breeding Station


On the Rideau Canal Driveway, near Ottawa, Ont and something different would have to be done. The application of sreeding Stations to Ontario is an interesting
our Ontario farms all hind or classes of poultry,
fromt the meanest scrub) to , ha excellent bird.
The large dealers in poulto and cugs have made The large dealers in poulto and yggs have made
some loud complaints atout the great numbers of
inferior stock. The

desire or the lack of a
of members of ast
of membing sociations
not
idle pack an readers are idle and for substantiation retailers
in any large center of of distribu-
tion.
Packers there very unmistakable, and as to are revealed
association in one of the hest fimit anowing dis association in one of the hest fruit growing dis-
tricts of Western (intario is losing members be
cause the stant cause the standard set by the society is consid-
ered too high.
seeson like 1914，when so much fruit is going to very existence of the applegrowing industry as a very existence of the applegrowing industry as a entiraly upon the quality of the pack pack and pack－
age that fruit growers offer for sale． age that fruit growers offer for sale．This has
been the struggle in the past，and after a pro been the struggle in the past，and after a pro－
longed campaign of teaching，pleading and ex－ longed campaign of teaching，pleading and ex－ comes but wisdom lingers＂in this century even as it did，in the time of Tennyson，but fortunate－ ly the more experienced growers are in the line
for a good article；they，have learned that ＂Wonesty is the best，policy
arst degree of the order．Second is only the This great principle and dectrine is co－operation． abused here in Camada，but in spite of all the dis edvantages met with it has saved the position for the fruit－grower．The great trouble has been that the members have been chosen indiscrimin－ re accepted with the idea that the movement os powerful and efficient enough to mold the whole mass into a workable machine but that was censed a flaw in the mechanism that have often when the strain came．Members should be ex－ amined morally as an applicant for life insurance produce good fruit and pack it， or are willing to have it packed properly are not suitable mem－ bers．The orchard and a man＇s product should be considered firs takes place in one＇s character ability when he pays a fiee to become the member of a fr uit growers＇association．Fruit grow
ars＇associations have saved the day；they have weathered the gale when markets were disrupted they have fought transportation recognition of their rights to secured a ter service；they have sold $t$ h． growers＇fruit over the head of organized brokers who exact a legitimate middlemen in the sys－ tem of distribution；they have mot the foreign product on our own markets and are securing helped to standardize the pack，to Invite the favor of the consumer， and in fact they have done more other agency，and we cannot do without them，but co－operative associations are but the sesond degree．Third is the business

Upon this third degree hinges
welieve，the future of the Can dian apple．When we future，we do not mean the East eating out the West，or Ontari surpassing
mava Scotia on the
mo
So much fruit will be consumed at home and so much will go abroad，the idea is to dis－ pose of the entire Canadian pro grower in both the Erice to the
West．

Some，who have given this operation means the eliminatio a．m＇ount of scathing called．N a mount of scathing，senseless
epithets will dislodre． or com the position he has gained thromen
 things to deal with in marketing．Uifficult ported about $2,000,000$ barrels of apples of which
dwellers demand approximately 175,000 barrels went in mist dwellers demand a large amount of service and Prairie Provinces，while the remainder wen
they must pay the price for it，the living of large number of dealers and distributors．liy re－abroad．From 1901 to 1911 the acfage of
ducing the number of dealers orchards in Ontario decresed sociations have made a saving in their direction；over 25 per cent，and non－bearing trees a increased a saving to themselves，hut thes engage a number about 6.6 per cent．This was due to canker，
of men to handle the poods who are thary，San Jose scale，and that great de－ their employ，and whose living they provide as stroyer of orchards，neglect．All are still busy tion of fruit．There are too many mindlamen，duction in the next five years or decade in pro－ distribution is concerned，it is＂hather for the tario．The Prairic provinces are consumers in ernment．
 our own deductions．At the preson！an and and other third prac recommend to a fruit circumstances
 This judgment is not influenced by the machinery of fruit distribution th the lesson taught by the sight of thousand． same advice is applicable in the United States， whose growers meet us on Canadian as well as eight million barrels of apples during a single season，but those are exceptional crops，and for－ tunately we are not obliged to find a market for stood，however，that Canada has some under－ 000 fruit trees of all kinds，so in normal seasons we shall not suffer any dearth of fruit．
In 1911 the Province of Nova Scotia produced over $1,700,000$ barrels of apples．The crop of 1914 will probably total 1，000，000 barrels，and in the next favorable year she is capable of
showing $2,000,000$ barrels．Only about 125,000 barrels of this enormous quantity will be con－ mainder must go through the channels of trade in search of the consumer．Prince Edward Island will not influence markets to any great extent， for her soil is so admirably adapted to mixed
agriculture that farmers of＂The Island＂will not take the chance with fruit to any great extent On the Banks of the St．John River in New Brunswick are many plantations that will，in a few years，yielld quantities of fruit that must be sold outside the province．Quebec has many
fruit growers who are paying attention to their


Shoeing the Bay Mare
Shoeing the Bay Mare
on thousands of acres of producing apple tres，that year the percentage of marketed apples was
and as many more yet to come into bearing．The high，yet there will be seasons when l severa
high，yet there will be seasons when＇severa
times this figure must be disposed of．Where will they go？ Africa，but not after the middle of December in South then the home－grown product co of December，for ket．Apples consigned to that port by reliabl growers or associations have a good by reputation there，and one that should be guarded．South America is being developed this year，but what
the prospects are it is difficult to say at this time．British are it is difficult to say at this
Australia Australia，and this year they will probably send
them 60,000 boxes．These them 60,000 boxes．These are the chief outlets
for our apples with the exception of the pean peoples where the demand is almost un－ limited，but unfortunately for us the possible supply is large，and when fruit begins to fossible reduction in ocean rates the Western orchards of this continent will send no small amount direct Go the Eastern Hemisphere．Liverpool，London， ments，for they are large distributing centres ship－ Canadian growers，we believe，may still look and ward to them with considerable optimism． growers to encourage and for move for our fruiv growers to encourage and for every one to get
behind is to place more apples in the cellars Canadian consumers．If evers two individuals ate one barre） that would dispose of nearly 4， 000,000 barrels，but，of course， many are producers and could
not be looked upon as consumers of apples．Cut oft $1,000,00 \Theta$
barrels，if barrels，if you will，for these apple growers and there are 3，
000,000 barrels home．If fruit growers can ac． complish this the remainder of most crops can be taken care of by the export trade． $\begin{aligned} & \text { How can } \\ & \text { this be accomplished ？}\end{aligned}$ The three Prairie Provinces provide homes for nearly one and one－half mil－ lion of people．Provided they
could be supplied with apples could be supplied with apples at
from $\$ 4.00$ to $\$ 4.50$ per barrel on the average，they should consume in the vicinity of 700,000 barrels． Seeing that upwards of 200,000 barrels come in annually if o mo
the United States，Canadians might make an effort to replace them with a Grown－in－Canada article．During the season of
1912－13 British Columbia g a ve the Prairie Provinces 75,000
the barrels，Ontario sent 238，000，and the United States 164,000
barrels．There is no reason why barrels．There is no reason why
that 164,000 barrels should not have been grown in Canada．The Prairie Provinces provide home for only a small part of Canada＇s
people，and the remainder should people，and the remainder shoul
dispose of what is left of the 3 ， dispose of what is left of the 3，
000,000 barrels alloted to them The Federal Government thi year initiated a propaganda that
should be develoned with should be developed with zest
The expenditure of $\$ 12,000$ in ad The expenditure of $\$ 12,000 \mathrm{in}$ ad
vertising has brought over 40,000 enquiries to the office of the Frui Commissioner in eightweeks This exceeds their greatest ex
pectations，and demonstrates the pectatrons，and demonstrates th
enormous possibilities of increas ing consumption through system atic advertising．Wholesalers and retailers all over Canada declare
that consumntion has bee nlarged greatly through these efforts，and growers should take the matter up and
continue it with vigor as the fruitmen in the continue it with vigor as the fruitmen in the
south have done in their successful effort to plac south have done in their successful effort to plact
bananas and citrius fruits in every nook and corner of this country．fruits in every nook and might devote one cent per barrel to this cam paign，and with the assistance of the Government
the amount might easily be raised to $\$ 50,000$ ．I this amount were expended each year，as i
should be，there would be less talk of overproduc ion．One＇association alone in the Wester States spent $\$ 60,000$ in one year in thesway
curely Canada as a unit can afford fifty thous and for such a worthy purpose
Any grower knows full well that Northern Spys cannot be laid down in remote Western
towns for $\$ 4.00$ or $\$ 4.50$ per barrel and return profit to the producer and dealer．and There are
numerous good varieties beside Spve，hut the ma numerous good varieties beside Spys，but the ma
jority of consumers do not appreciate the fact and ask incessantly for that narticular apple Spys，the price of all is sure to be high．A fea－
ture of anv advertising cammaion ture of anv advertising camnaign should be to
banish that conception of the annle，and teach banish that conception of the annle，and teach
users of fruit that for cooking，and at some sea－
sons for desert，other standard varieties are quit

## 

as good as Spys. We have heard urban people
talking about spys during the latter part of
September and early in October which September and early in october, which goes to
prove they have no knowledge of varieties and proir season. If this obstacle can be removed consumption of apples will grow, and it will mean profit to both producer and consumer. At the present time it appears unwise to ex-
tend the acreage of apple orchards indiscriminate (y, meaning by that enlarging with no knowledge of one's ability to grow or sell the apple. One
grower mentioned a few days ago that he would grower mentioned a few days ago that he would
plant more trees next sppring because he had his and pack properly, for he had already done it, or in other , words,
"he knows where he is at." Even "he knows where he is at." Even
this year he disposed of h is this year he disposed of h is
article with little difficulty, and he is justified in extending $h$ is plantation. However, the lax, indifferent grower must weary and let go, yielding place to the care-
ful, painstaking
fruitman will, we believe, always be able to dispose of his product at a tair profit in seasons of normal
conditions abroad. The bubble of inflated orchard-land values $h$ a s bursted, and we only speak of profit from lands at reasonable prices
We havve confidence in the future of the Canadian apple if
the grower will do his part. He must advertise, co-operate a nd guard his pack and package. He must standiardize the product, and teach customers what is best at
different seasons of the year, and how to use them. Transportation companies must be communicated with and brought to feel $t h^{\prime} e$ weight of a Provincial of
Canadian-wide organization with all this the aim must be the extension of the market. Let it be Arrica, South America, Australia
or anywhere provided there is or anywhere provided there is a
profit, and above all let a greater consumption at home Working towards this end growers will clear away the pathway now strewn with apparent thorns,
and when a new era dawns in C'anada, as is sure and when a new era dawns in Canada, as is sure
to occur when the war is over, our apple will sell in such a way that growers will be glad they atood their ground.
Our English correspondent in writing to "The informed that there were at the time of writing, at the end of November, no less than one hundred and twenty thousand British horses in the war that time fighting in France was small in comparison to the numbers of the French army and the Fussian forces. There must be an exceeding ly large number of horses going down daily bethe destruction of heavier guns


A Distinguished Member of the Humane Society From a painting by Sir Edwin Landseer
lovetian than Venice. Genius eliminates the uncombining a wealth of impressions that one sweep of the eye could never realize, and what the crowd of careless observers would never dis-

In the choice of subjects, the artist may depict an old rail fence or a rugged tree with such skill
as to make it perpetually admirable, but the canvas will fail to rival in its wide appeal and stirring of emotions "The Horse Fair," "Shoeing or even the big life-saving dog by the water side The highest achievements of art are with the human figure; and perhaps next in complexity of demand upon the capacity of the painter comes skill in the fundamental requisite of drawing, an

## Some Famous Animal Pictures and

 Their Painters.realties paintings are at once an illusion of reproduce the subject and reveal the artist. They the form of impressions from nature and . In life, they convey truth disclosed through the
mind and spirit Without falling to the level of the craftsman. they interpret nature and glorify it imple imitation they interpret nature and glorify it. imitation
Turner's masterpieces were said to be more Turner's masterpieces were said t.
understanding of anatomy and the expression of deer, sheep and cattle have furnished artists dogs, heir chaicest themes. With these subjects they universal esteem among the art treasurea and world, winning admission the thet treasures of the whose achievements make them immortal.
It is worthy of special recognition successful painters of horses two women, Rosalig
(Rosa) Maria (Rosa) Marie Bonheur, of France, and Lucy Elizabeth Kemp-Welch, of England; stand ind the very foremosit rank, being especially distinguished by boldness of
design and vigor of execution design and vigor of execution. Bordeaux in woman was born at 1822 and died in
1899 , 1899. Her father was a drawing master and she was intended for
a dressmaker, but her misery at
the prospect caused this purpese a dressmaker, but her misery at to be relented, and at eighteen
years of age her picture, Goats
and Sheen," and Sheep," won admission to
the Salon. When twenty-three she won a medal of thenty-three highest
distinction, and in 1853 produced distinction, and in 1858 produced
"The Horse Fair," easily one of world, that sold for orures in the 000. She was decorated with
the Legion of Honor, and was
one of four children, artion To facilitate her studies and her movements in tramping about the horse marts, fairs and stables she donned male attire, and at ma-
turity was a woman of shaggy, white bair and striking appear-
ance. She mages, ance. She made home on gratuitous Fontainbleau and gavo "The Horse Fair" is a wondertul composition, dramatic in action and masculine in treatment. Fes "Deer in the Forest" is a restful powerful and popular picturio often reproduced.

Lucy Kemp-Welch, sometimes called "The new
Rosa Bonheur," is an Fenglies another mould. From her father, Edwin Buck land Kemp-Welch, of Bournmouth, a. botanist and a collector of repute, she inherited a love for anhmals and the outdoor life of which she has beem
a devotee. Without special early opportunitiem to study art or the aid of artistic ancestry wealth or influence she has achieved distinction in a most difficult field. Her natural gifts and en-
thusiasm were stirred by an exhibit of Sir Noel Paton's pictures at her native place, and she became a student in Prop. Von Herkomer's art school at Bushey, to the management of which she subsequently attained with both courage and honorable mention at the Royal Academy, at once exciting the favor of English lovers of good

the Academy exhibition of 1894, and "The Re- land, where he went in 1872, has been described turn From the Fields". reproduced for the Christ was in the academy collection of 1913 , pubatise,
by Cassells. The fidelity with which she portrays the powerful though weary home returning farm horses stands out in every line ${ }_{r}$ and would en-
title her to distinction were it the only painting from her hands. "Lord Dundonald's Dash at Ladysmith" is another famous canvas. She has
painted many beautiful pactures painted many beautiful pictures of birds and o. her
animals in their natural habitat. Her pictures are to be found in some of the most famous galleries, one "Horses Bathing in the Samous, adorning the national gallery at Melbourne Australia. Sir Edwin Landseer was her early
hero, and for Rosa Bonheur and Liza peth
Thompson she Thompson she had a deep and abiding admira-
tion. An interesting personality tion. An interesting personality of charming
manner she lives in a quaint oid home $\cdot$ Kings manner she lives in a quaint oid home, "Kings-
lex' in Bushey, and through the art school she
exerted a wide, exerted a wide, direct and wholesome influence upon the art of the present day
Returnstance Troyon (1810-1865) painter of ${ }^{\text {CThe }}$ Return to the Farm,'" a deservedly famous masterpiece was a native of Sevres, France. Left of artistic skill, and a relative who a woman keeper of a museum and gave lessons in drawing. In such surroundings the natural gifts of the young man were developed, and his zest for
painting was whetted by meetings with such as Dupre and Rosseeu. He mas a lover of the out-of-doors and animal life as one might readily gather from the composition and spirit of the picture reproduced: As an artist he anchored on
the sound dogma "no such thing as luck". 'in painting. His $h$ a b it was to
work, largely with the qrush, on
many pictures at many pictures at a time, touch sure of perfection toward which he strove was reached, but the was withal facile and rapid in
the expression of his ideas. His pictures were admitted to the Salon, and in due course brough him widespread fame and $\operatorname{cog} \mathrm{m}$ petence
cretion.

From a host that might wel have been chosen, two immensely popular pictures by the wor rid Edwin Henry Landseer, ( 1802 1873) have been selected for re production. Perhaps no artist o whose horses, deer and dogs hav been so universally cherisheci it the homes of the common people,
one sure indication of the trueone sure indication of the true have done so much to inspire en love for animals which he almos humanized in the intensity o incture reproduced by the management of light flooding the shop, skilful drawing, and $t$ h subsidiary figures of donkey, dog
and blacksmith he portrayed the high-spirted mare in sons, old and young have been and will yet be de noble dog. in the picture designed of the tinguished Member of the Humane Society "Dignity and Impudence" (the big hound and the terrier side by side) 'The Morrarch of the Glen,'
and .The Old Shepherd's (Chief Mourner," are
pictures pictures that readers everywhere owill recall," sir
Edwin was one of a family of seven children, al Edwin was one of a family of seven children, al
gifted, and his father was an engraver and
an artist of no mean order who draw and paint in the order who taught his son to
thus giving shear London go on repeating itself in lim. of heraty and
"Farm scene With coultu" in tspeat of included in their armament harvesting and armies

 are remarkably beautin
 produced. To the director, 1 .

Edwin
Douglas, a
dinburgh in 1848 and of long painter
in

1878, and the 1869 , ani l-... (WW eram. "lom was sont them from outside. lunate possessor of the original of aternly describes the
produced. To the director


Landscape with Cattle
If Canadian homes and schools
pictures that not only appeal to the love of the beautiful but are educational in more than an creasing use being made of pictures find an inschools, and those made of pictures in the public 'The Farmer's Advocate" are peculiarly adapted for country as well as town. Modern skill in re-
productive processes by such estalishments the Perry Pictures Co.. The estanlishments as others that might be. named Elson Art Co., and
mave brought the formstrpieces of the world in really beautiful mo mcuse for the disfigurement of walls with now unsigmuse and coten galudy chromos of the past. in wond maturing Whan. whal was sunt hem from their -Whang name for the collecThe "'Nation" of England near the secure judgthan appears.

The War and British Columbia Agriculture.

## -

British Columbia is feeling the weight of the iron hand of war, but' our depression is not al due to the war by any means, that surely aggra ly on past speculations speculation built mere Columbia has not been a seif-sustained, Britis but her people have been specializers driven to tion. Sos he lransporta and railway camps keep moving and her lumbe no regular market for such things as these re quire. Those in outside provinces as these re transportation rates in the majority of cases and siders, because of cheaper labor, can send in farm produce at lower cost. That is why we hav been forced to go in for the luxuries that the farm can produce, such as fruit and dainty vege ing what we need from the outside in the way staples, because we can produce a more valuable
crop when times are good. Than crop when times are good. Then when the mar-
ket tightens we become aimost panic strick must indulge in an expensive re-organization. The Government recognizing our lack of agricultural inclination gave assistance to every attempt to open up land and recklessly encouraged it, seeing
nothing ahead but prosperous times, and did not put the restraining hand on development com panies that it owed to those whom these brought in and who now have to shoulder these mismanaged promotions. War time, with its uncer-
tanties aivays causes an unsteady and fluctuating market, for selfish interests will huge majority; those who have
will hold Much of British farm produce is of of a perishable
nature nature. Fruit and vegetables are
a product that it is natural to exa product that it is natural to ex-
pect will lbe grown here. Climate makes it advisable. Soil, except on the coast low lands is to be
had in only comparatively small parcels, these are rich and tend methods and intensive crops have been, up to the present, perishable crops. War drives as yet many people consider most vegetables, other than potatoes, onions, etc, un-necessary articles on the table, and they cease to
buy the others. Many still consider the apple a luxury, and to clear people's minds of the
absurdity and help prevent the absurdity and help prevent the
blow the war was sure to to this province the Government put added energy into the in $n$ -
tended inauguration of "B. $C$. tended inauguration of "B. C
Apple Week" in Calgary and Van couver. It was seen that Eas
ern fruit would come West rathe that take the ocean trip to $t h$ Old Land, its usual market. Ex-
hibits and window displays were hibits and window displays were
held in these cities and advertising done in the papers. Stics Slogans ap-
peared as head lines such as, "An. apple a day keeps the lines such as, "An. apple
apples make red cheeks," away"; "Red ly convincing. A cheeks," and others equal
ing the most ing the most catchy slogan drew forth quite an
interest. This is practically the first attempt to set profits by those interested in the sale of farm produce. Those interested agreed to a schedule of 25 cents per box to the retailer, 12 cents to the wholesaler, 6 cents to the publicity commit
tee, and the railway to get the freightinc is a very promising precedent, and farmers every where will do well through any and every
organization to armers ever organization to push it. Apples generaliy, ar
down, but are retailing in Vancouver down, but are retailing in Vancouver at $\$ 1.25$ pe
hox for Jonathans, British Columbia's fine qual ity apple. No stockman who wishes to keep his cattle in the best of health would inflict
strictly hay and grain diet on them but has culent food to give them as a corrective, and wh should man expect to go through the winter on
less efficient diet? It pays to use apples as digestion corrective. Correctives are apples as
and and British Columbia is forced to prove it, an
also to demonstrate that the apple is the and cheapest, and a home-grown article at that over ready should conditions marrant an atteny
upon the ready disposal of of the interior depenit upon the ready disposal of naturai and cultivat
has, but for a time things looked pretty blact
for the har me for the hav men. Hay would not move, lumber
men would not onen; contractors and liveries ha
less to do so the


The Return to the Farm.
From a painting by Constance Troyo
our thermometer and there is much poverty and the turn of the tide of battle by the middle o
stringency there stringency there, due to the unchecked specula-
tion: Throughout the Okanagan a little better situation prevailed, as it had been pulied down s close to the bottom by real estate reaction a pression possible, and people had started of a deadjustment. But the greater part of the hay market is within British Columbia, and coast mercuntile depression had tended to keep the
prices down on hay all through the interior. The dairyman and poultryman go right aiong as if nothing had happened. The former makes good butter, and can sell it all locally. Butter seems to be a necessity and so regarded by all;
40 cents per pound retail prevails in the Okann gan, as right through the province. It is one solid staple holding a better position than eggs. The war has in no way hurt the British Columbia
producer of these. Because this is so, and hay so cheap, for it is down in the Okanagan and still lower at the coast, cows are not on the market. New Zealand still has a good market in this pro-
vince, and much of her butter is still seen in vince, and much of her butter is still seen in our
stores. Horsemen cannot make sales, but it has been an
open fall with pasturage late and hay down has caused no great fear, though sales of horses are lerior. still good prices are demanded in the inA visit to the butcher shops would lead one to
think that when he is offered pork at around 25 cents per pound and beef the same, that the stock, but not so. Hetting a good figure for his be temporary, and is in part due to the quaramthat the market is under corporation the fact even stronger than our fruit is. Much relief might be given by Government if it would act to
regulate this. If our farmers who have meat to segulate this. If our farmers who have meat to
little mot a reasonable figure it would put a been a heaithy growth affairs, for there has a larger share much in beef, and it justly deserves a larger share of its profits finding their way to
the farmers' pockets.
Poult try is not in Poultry is not in demand, but our poultrymen
are feeling easy. Grain being up on account of the war has somewhat lowered the profit, but 15 and as pound will induce the sale of chickens,
and of this meat does not pass throught the wholesalers' hands the inducement to sell is unimpaired. To eggs the same applies, and local
markets consume more than are produced in the province. growers in the northern Okanacan tound the growers in the northern Okanacan
and thased when the war troke out vegetave experienced a similar condition to at he
ment conth to the fruit districts, for for liveries
 no folt from the early marl.
men $\quad$ previous to the war. goin "es were somewhat of a

January. If indications point to a close of hostilities no doubt gardeners will go on as Tree fruits will have less attention if the war keeps up, but there seems as yet to be iittle con-
sideration as to the changes that may be advis. able.

Camp Fires of the Bush
By w. H. Ogilvie
The river roads of the less settled districts of
Australia are scarred with the camp-fires of her travelling population. Hotels business or pleasure calls and the man whom must carry with him his blankets and his provi-
sions. he can find grass for he may-that is, wherses and wood and water for his needs. There is no road in the
bush so remote and lonely, but that the horsp man Dassing in the night will be cheered every where drover, teamster or swagman has drawn
in to the river to rest. one another in many ways, but they have one to convenient proximity to the road and to the water. Thus, on these highways which follow
 imity to the drawn-up waggons, and upon it he
boils his billy of tea, cooks his mutton, and bakes his damper. In the waggon he carries a
"tucker-box" which contains his bread and meat "tucker-box" which contains his bread and meat, his tea and sugar, and any other extras which
he may have. Sometimes he carries tin plates, he may have. Sometimes he carries tin plates,
and knives and forks, but as often as not he considers thesi things unnecessary luxuries and
doess his carving with his clasp knife. By the
camp fire he sets his tucker-box, and using the camp fire he sets his tucker-box, and using the
top of it as a table sits down by himselt or
with his matee and takes his simple meal, a meal, which in accordance wis thimple meal, a
traditions of the Bush, he is always ready to traditions of the Bush, he is always ready to
share with any belated traveller who may find his camp.
The tea
teamster, like mostl bushmen is rather a ilent companion to the chance acquaintance who
shares his supper and the light of his camp-alre. If you have come from the direction in which he is travelling he is always eager to know the
state of the grass and water ahead of him. Alis thoughts are more with the welfare of his thoughts are more with the welfare of his
bullocks than with the larger questions of the
day. It may be many weeks since he was last in day. It may be many weeks since he was last in
a good-sized town, butt he evinces little interest a good-sized town, but he evinces littie interest exceptions, of course, to this attitude, but as a
rule the teamstrer gives you the imnression of rule the teamster gives you the impression of
caring litte for the matters beyond his dusty
kingdom. He is conscientious. about keeping
winding river, leaving it and returning to it
again, the bushmans camp may be loosed for at again, the bushmans camp may be looned fur at the places where the road approaches the river
bank most closely, and here may often be found
a regular colony of camp-fines, while the bends of the c.eek are musical with the bells of horses
and bullocks turned out to feed upon the river and buil
Perhaps the teamster's camp is the mosit Bush generally travel in companias of of two or three, and there is no chance of missing the bullocks or twenty or thirty horses. As you ride
along the road at night you will see far ouf the along. the road at night you will see far ofr the
glitter of a fire among the trees ; soon you will glitter of a fire among the trees; soon you will
hear the boom of the big bullock bells mingled with the melodious tinkle of the lighter norse dog is sure to herald your approach. As you men silhouetted against the cames, and nearer still you are aware of the dark towering bulk of
the loaded wool waggons looming up through the
darkness arkness.
The teamster, as. I have hinted, chooses a spot where the road runs close to a good pool
in the river, and drawing his waggon slightly off In the river, and drawing his waggon slightly off
the road simply looses the bullocks from their the road simply loses the bullocks from their
yokes where they stand. II you ride up to his camp-fire you must proceed cautiously, or your
horse is liable to trip over the yokes and bows horse is liable to trip over the yokes and bows
laid in a line upon the sand. The teamster's
chief condern is for the wellare of his bullocks (or his horses. as the case may be); for his own comfort he cares little, but on his beasts of burden he is dependent for his very living and he
must see before everything else that they have
water and grass. His own camp outfit is of the water and grass. His own camp outfit is of the
simplest. He builds his fire in convenient prox-
time and faith with his employers, and anxious changes of clothing which make all the difference tales of adventure in many lands; for all sorts pride . and conditians of men make up the personnel all prim. He smokes contentedly, gazing at the stars takes pride in having a good meal ready for the soldiers, miners, sailors, farmers; even the coon,
hen that blink through the tasselled pines above him dusty, saddle-weary men, and there is nothing may be a marquis in disguise. and listens approvingly to the clashing bellis that more grateful in the world than the after-dinner There is less air of ease and contentment
tell him that his charges are on plentiful feed. smoke in a drover's camp when one has supped about a cattle camp. There is a feeling tell him that his charges are on plentiful feed. smoke in a drover's camp when one has supped about a cattle camp. There is a feeling of strain
Each teamster has a saddle horse which he well, and lies on spread blankets under the stars, and anxilety which never really leaves it, uses to round up his cattle or horses, when at at peace with all mankind. It is scarchly so there are no brakes or yards built for cattle
the first streak of dawn he sets out in pursuit of pleasant perhaps in a bad season when one is they must be rounder the first streak of dawn he sets out in pursuit of pleasant, perhaps, in a bad season when one is they must be rounded up on on an open apace and
his distant bells. This horse he either hobbles in desperately weary with dogetng starved sheep there watched all night by a mount his distant bells. This horse he either hobbles in desperately weary with dogging starved sheep there watched all night by a mounted horse and
the vicinity of the camp where he maxy be easily across the barren plains when perhaps the while at any moment the spirit caught in the morning, or ties up to the waggon cookery is barren plains, when perhaps the while at any moment the spirit of panic may,
and feeds with cow and feeds with corn or chaff in an improvised short, and when through the absence of a sheep pede for miles. In such circumstances the head manger made of sacks slung be-
tween the shafts. The blue cattle dog is an important feature in every teamster's camp. He genis a personage the waggon and is a personage to be avoided,
especially if he is on guard in his opecter's temporary absence, for, being a "heeler" by profession, he is apt to sneak $\begin{aligned} & \text { out unseen and } \\ & \text { nip the heels of } \\ & \text { your unsuspect- }\end{aligned}$ ing horse, or your own heels if you approach him unwarily on loot. He is indispensable to his
master, who is often compelled to master, who is often compelled to waggon when looking for strayed bullocks , or when visiting a neighboring station to buy meat
or flour.
ong dusty tramp in with his Australian day, in the blazing bed; and if we look back whe h walf a mile further down the road burning low; and he is already even now asleep on his probably camp bed andeep on his rough the music of these ceaseless bells. The drover's camp is one of the most interesting on the river
road. At certain intiervals


In the Lumber Woods drover is too anxious and pre-oc cupied to encourage the merry abandon which pervades $t h$ h certainly, and Tales are told changed, but a sense of insecurity pervades the little circle ond
from time to time anxious lance are directed towards the dim and shadowy outline of the resting mob. Furthermore, as each man has to take his turn of watching bed as soon as possible so that he may snatch the utmost amount of sleep available before h is
shoulder is summoned by a companion to mount the night-horse and take up his lonely guard. There is Watching, too, on the sheep
camps when the floc's is in the open, unfenced yard or brake. The man on guard lights a num-
ber of small fires around the flock ber of small fires around the flock
at some little distance from and during his hour of watch walks from fire to fire, replenishing them with fresh wood a nd turning back any restless shoep
th a t show signs of moving off camp. Many are the pine and along the main stock routes there are placed, at brake the restless hungry creatures must be to the Goddess of Memory on those lone night
convenient points in proximity to the river circular yards or enclosures, fenced with felled watched at night. But let us suppose that circumstances watches for these are the moments when a
 heir sheep have been build by drovers to hold lent cook and a cheery company of rough but drovers as they pass that way used by other good-natured bushmen, with the inevitable humorarranges his day's stage so way. The drover ist among them. Then it is a merry little arranges hik day's stage so as to reach one of gathering indeed that takes supper sitting in a
these brakes when the sun goes down. Some circle round the roaring myall logs ; each man times he finds the fence out of repair, but half with a tin plate of chops or curry or roast mutan hour's work with an axe soon puts that right. ton on his knne, a slice of pread in his hand, and the sherp are driven within the enclosure, and a pannikin of hot tea dit his feet; the horse tree. They are then safe for the night and the bells jingling round the camp; the full-fed drover is relieved of considerable anxiety, for no homely jests fly from one to another, and
watch need be kept, and he is sure of finding his full numbers when he reaumes his
journey at dawn. II
by bad management he appens to miss one of these brakes and ha not left himself time
to build one, he is to build one, he is
obliged to camp his sheep in the open and to set men to watch
them all night. Hence the brake play
the brake plays a very
important part in the
drover's
drover's choice of
camp.
Having found
camp. Having found
by riding ahead of his
flock, some such suit-
able spot
brake in good a sheep
the drover sends on
his cook with the dray
or waggonette, with
instructions where to
himself to get as much
leed as possible for hi
sheep before startin,
them up for the night
As the dusk falls he As the them in
the river
where, red and poin against the
flampes the


A Bathing Beach on the Emerald Isle. are yarded,
and turned out on the
the shepherds gather at the sit round in the The doys, fills his quart pot o more cheery camp supper form whir masters round for a suitable the season is camp in the Burn the sheer and grass and water plentiful. There is a general Bush nights

 the waggonette or dray a man neen ans sufficiency of blankets or thro. Nothing could

Through Twenty-five Years.
Fully a quarter of a century has passed since
I first began to write for "The Farmer's Advo

 Great Britain in thtat period have been enormous, improved thelf was a great social gain. They also From the point of view of the tenant farmers of they could command sufficient capital to that hold the view that the legislature should boldly they ought to have done their methoos of culti- does not commend itself to a the thence. This policy the relation in which they stand to the tenure of had in 1889 only been recently
$\qquad$
 policy of national theft is doing
something akin to the action of
the Kaiser in the International
$\qquad$
 the Kaiser in the International
sphere. It is not a crime to own
land, and no man should be
penalized because his investments that to some extent the m as i ir purpose of the Act was, if
feated, at least crippled. has been the bane of efforts at
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$\qquad$ ing, and all the capital he
 penalized because his investments
therein have not turned out quite
as favorably as they might have
$\qquad$ respect oi Contagious Diseases
among stock is one of the most satisfactory features of the past
quarter of a century. At the beginning of that period we were
fighting a hand to hand battle with various diseases, in particu-
lar pluro-pneumonia, among cat-
tle, and rabies among dogs. Today both diseases are extinct; we
have known nothing about them for years-and no country in the
world has as clean a bill of health as this which has been called the
stud-farm of the world. T w.o forms of contagious, disease have,
however, during the whole of the period, been more or less trouble-
some. One is foot and mou th disease, and the other is swine
fever. The former relatively to costly, but the latter has entailed
an enormous expenditure,






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of the Ayrshire men addressed themselves to the The man who
big task of eliminating the tuberculous cattl their herds. Now there is a change, cattle in finds it profitable to knaw as much as possible week we are to have a sale of bull calves at at and chemistry and bacteriology as applied to to the tuberculin test with authenticated miblk records of darm and test with of of sire. Thenticated mill
step in a step in advance, and the result may be epoch-
making. Shorthorm is areat making. Shorthorm hreeders simply defiepoch
test until 1913 . The northern breeders led the
Ur. Mr. Duthie would have northern breeders led by
none of it, and for many years so keen was the demand for Aberdeen to do so. Buy could afford termined at all costs to hare de-
these northe ve these northern cattle, and they themselves took the risks attend-
ing the teget. But in 1913 "the worm turned." But in 1913 "the had got his fingers severoly surned, and was not anxious to Collynie and Upper-mill calves in that year were all tested, $t h e$ oharts published, and the exposers
took the risks. yo ars have passed since Lord Carmichail, now acting so me Where as a British Proconsul handled his Aberdeen-Angus herd
on the principles advocated Prof the principles advocated ${ }^{\text {b }} \mathrm{Bang}$, and when
his herd was dispenged he reaped his
benefit.
But others beneaf. But others have bed th
slow to follow this slow to follow this lead, and per-
haps fewer herds of this' breed are being teeted than of any other Still we are making progress,
and whoever lives to see the of whoever lives to see the close will have a very different story to

## tell.

Agricultural Education has been organized an chese revied with great vigor during the period un-
dhan at ocrued to-day we are asking, what has accrued to the average fare aer from wha
prosecution prosecution of this work ? Is the farming to
better purpose and to greater proft ? In how
far can the Colle to the equipment of the farmer for the duve alde his calling? Twenty-five yaears ago and long be-
fore we had and fore we had a chair of Arricultural and Rural
Economy in the University Economy in the University of Edinburgh; Mr.
(now sir)
Ropert $\mathbb{P}$. Wright had begun, as private venture, a Wectureship had in begun as a
Aberdeen there was a Aberdeen there was a Fordyce lectureship in the
Eniversity connected with agriculture. It mut bniversity connected with agriculurure. It must were viewed by farmers with an air of benevolent
neutrality neutrality
the more who belie enterprisin who believed
knowledge is attended and prower
and and gradually it leaked out that something
was to be learned these colleges, and the teaching facililities were extended. Now we equipped agricultural urges one in Edinpurgh, with which the cultural and rural conomy is linked up. one in Glasgow aflili-
ated
with the
 Aberdeen which is all intents and pu poses
he
e
a
University with each connection farm and experiment
station,
and benches of all and the are thronged. Yet in
spite of spite of anl this $t$ the
problem $i$ is still problem is still un-
solved of gattin farmers and their sons and daughters
tend. The great ma-
jority of the
are employces the city, salesmen, implement makers,
every class in fact who household those actually agriculture, and what he finds beneficial in his the farmer to be at least equally beneficial to book-farmer with whom he is to trade. A mere er who knows his book has a big pull over his neighbor who does no
A vast amount of experimental work has been
carried out by the colleges carried out by the colleges. Its main value has
been to show how generally accurate have


Shetlanders
the methods and practices of the Scottish farmer vised many of his methods have had to be re money which he has forsibly learned that much of the dressings wures has been wasted; that smaller and that would have given equally good results, ul. But on the other hand these been wastements have demonstrated thiat the results of of obally to adopt many methods which farmers generact inquiry had confirmed as thoroughly sound The agriculture of Scotlant have been expected. most agriculture of Scotland is in the main the on the whole the the world; the yield of crops is world, and along the line of stock breeding the much can be taught the Scottish farmer by any






now may get near to the present average may attain to therage, an the best. All such work is of necessite level meanwhile we cannot boast that the results an equal to the money and time expended on the
effort. I might have taken another line in this re
view, but these three departmen View, but these three departments appear to re to indicate what has been most marked in the to write agricultural situation since I first bega prosperity to the great Dow, I wish con-
ada and prolonged ada and prolonged life and ex tended usefulness to the and ex-
prietors and the prietors' and the staff of "The happier auspices than now prevail one would like to renew his acquaintance with many friends in in the British Empire is obvious and throughout that Empire there is one resolve-to see justice done to bleeding Belgium, to humble establish peace througho a nd 100
world world on a basis of righteousness

War.
Wrat do I see? Great God, the Is filled with around me 1. Hed with clash of arms and nd writhing bodies !-stay, th e Gights confound me, raging hell! is now a

Th wild confusion
The clang of stion, All sounds in and music's strains-forsooth, a funeral car,
Amid the hell ! tumult of the war.
. Who drench with brothers' blood the trampled Pride, hate and vengeance mar the noble features
Destined to Destined to bear the image of their Goble feature
Steady, my soul, and trust; Jehovah reigneth : Though nations rise and wane, His throne re maineth,
The armies cease to strive at His command.

God of peace,look on those field
slaughter,
On those dark, scenes
where death and
where death and
terror reign,
terror reign,
See those red streams
where life-blood
where life-blood
flows like water,
And in Thy mercy
ut of the cannon's
roar and mus-
ket's rattle
And $\begin{gathered}\text { ket's rattle, } \\ \text { clash of armed }\end{gathered}$ men, that pierce
Out of the wreck and chaos of the Grant that Thine own
call
cal sobered c a 1 m , sobered
peace may rise. Hasten the time when war shall cease its raging,
Thy great mind be rightly un
derstood: When acts of peace and love, our mind
engaging, Shall bind us man to
$\mathrm{m} \mathrm{a}^{\prime} \mathrm{n}$,
o n e $\underset{\text { matherhood. }}{\mathrm{ma}^{\mathrm{n}}}$ $\underset{\text { Westminster }}{\text { R. A. Manley in The }}$ Westminster ine.


Ithe Prince of Peace

DECEMBER 10, 1914

## The Question

"How long, O Lord, how long before
Still in cellar, and in garret, and on
moorland dreary
The orphans moan, the widows weep, and
poor men toil in vain,
Till the earth is sick of hope deferred, though Christmas bells be che rery."

The Answer:
Blind! I live, I love, I reign; and all
With the thunder of My judgments eve.,
now are ringing;
Do thou fulfil thy work but as yon wild
fowl do,
Thou wilt heed no less the wailing,
hear through it angels singing.'
How often lately we have heard people
say: "We can't have a real Christmas this year, when everyone is feeling so
sad. How can we talk of peace and yoodwill' when Christians are fierctly It is possible that
prosperity we have gained a mistak conception of the meaning of the Christmas Feast. It has become a time of
earthly gaiety, a time of feasting merrymaking, a time of excitement and noisy fun. Santa Claus has been the at us from Christmas jolly face peepes inents, and cards. Children have ad dressed their petitions to him, with unshaken faith in his power and wi lingness
to satisfy all their wishes called the day after Christ; but We have sirthday taken anything like the first lace in our thoughts, as we have enson? Is it true that we can't have a real
Christmas this year? It may be that rue Christians, all the world over, will
his year follow the wise closely than ever before. wise men more
earnestly uney searched earnestly until they found the King. Their purpose was not to gain advan-
tage for themselves (as children ask

THE FARMER'S ADVOCATE

## 

## Where is the King?

- saying. Where is He that is born King of the
Tews ?-S. Matt. ii.:

peace of selfish tease and luxury not a peace of selfish ease and luxury. It
found by those who are seeking the Kiry
and presenting to and presenting to Him their gifts. We try to make a friend happy when
we celebrate his birthday. Let us this we celebrate his birthden. Let us this
year set ourselves, with earnest purpose year set ourselves, with earnest purpose,
to give real joy to our Friend Birthday. He cannot rejoice over presents which are cannot rejoice over
Let us consecraten hall-heartedly. not only those offered our gifts this year, His poor but family gitts as whist through
the the paor bages amily gifts as well. When
when we are chointily wrapped, or when we are choosing or wrapped, or
"surprises" for earthly making some surprises" for earthly friends, let us our gitts reverently in His outstretched
hands. hands. Let us look up into His face,
watching for the watching for the look of joy with face,
He will accept any offering which presses real goodwill and thoughtiul kindness; then we can take the gifts from
His hand again and His hand again and act as His steward
in distributing them. Year after year more
the King-after long and patient searchmany lands. As the good tidings into knows at last the value of peace and brotherliness. We are fighting fore and
fighting for the reace, fighting for the right and privilege of
clasping hands in a world-circle of felclasping hands in a world - circle of fel-
lowship and goodwill. Fiske saya ""The feling gand habits adapted tays:
of strite will ultimately perish of strite will ultimately adapted to ages
use; and a high stage of dis. use; and a high stage of civilization will
be reached in which human sym shall be all in which human sympathy
Christ shall reign sump the spirit of Christ shall reign supreme throughout Perhaps you may say
much like a wourld-doy. "It doesn't look
goodwill just now on of peace and goodwill just norld-dominion of peace and
but neither did can't deny that; but neither did it look as if "JESUS
crucified" would ever be the acknow Lord of great earthly empires. The
wise men bowed died wise men bowed down before a little helpless Child, though there was no out They found the King, after pation searching, but they noeded great faith ation o recognize Him in His atreng
(Continued on page 2126.)



# (2) niversity Extension and cabat it means to the people 

Int is to be hoped that every farmer ceive a degree for his work, or he may
end overy educationist in Canada will
study bacteriology as related
roed the following article by Miss orvis.
Something towards buply, farm surveying (for which in in Sork ha Work has alroady been done in Canada In the not-laronoif fuure everyperovince of the Dominion may be possessed of of
earvice in this respect oqual in oeflicency errvice in this respect equal in offcciency
to that so sppendidy demonstrated by
the State the state of wisconsin. We can learn much from our neighbors. It will bearn to our credit it we accept as froely as
Wo give anything that may tend to the divancement and uplift of the to the
 are before ore find any movement that
has done more, at ine least for the rural populace within the esphere of tits inAuence, than the extension servico of the
great University of the city gon.-Ed.]
Why is the University of Wisconsin more widely known tran the other State universities? Simply because it has realized, to a greater extent than any
other university, the aim of public sery vice. And public service means something more than the instruction of the money necessary to secure what is con money necessary to secure what is com-
monly tealled "a university education". It is coming in the United States to mean the extension of the university's resources in schorarly men, laboratories and libraries
to the people who are busy making living in the fields, factories and stores
Englend England gave the world the idea Wisconsin was the ifrst commonweale give a demonstration of its democrati possibilities.
1006 with a
a Beginning modestly ${ }^{\text {correspondencen }}$ 1908 with a correspondence Study De
partment, the Extension Division partment, the Extension Division of Wis
consin has grown until there is not community of any size in the State tha has not its pupils enrolled in this extraa
mural college; not a village or mural cillege; not a village or a city
that has not benefitted by itts broad educational policy. A spot map to be
used in used in a "University Exposition"" to
take place in Madison in February, will


 000 articles on 1,030 different subject were lent to 347 different communities that 847 lectures and entertainments were the General Intormation and Welle; that partment held 7 community institutes and helped in the community institutes;
for
socian centing of 278 schools tor social enter purposes.
All these fact
little core collored to be shown by the All these facts are to be shown by the
IItle colored lights which will illumin-
ate the map ot the state ate the map of the State even as the
university
itselt errings ef tho
lives of thousands whs light into the lives
doors.
"LoNG DISTANCE iNSTRUCTION,"
A place where any person may find
Instruction in A place where any person may find
Instruction in any study in is what the
Extension Divisison has been called. hat
 rightly.
Whether he hive ititizen of Wisconsin,
of in a metropolis or on a
 study it at home, drop his recitation
paper in the mail box, and rececive in in correction the personal attention of
most learned protessor in the most learned protessor in the university
When the first corrected paper corne ack, it brings marginal corrections und couragement, and also the next assitn-
ment. Work done in this way mus lim ment. Work done in this way may
credited to the student toward versity degree, but it is sigrificant the purpose of this Institution, that
great majority of students enter into work merely for self-improvement,
The range of obtaining a diploma.
as great as that offered to resident students. The man on the farm may
supply, farm survesing (for which in-
struments will be lent his counting. His wito him) or farm acand English literature, or st ste may French learn oo to plan the family dietary, and hou o prepare food economily dietarly, and hand for the
best health of all best health of all. She may take a
course in history, or she course in history, or she may study
dresmanking and submit, each weak
 lesson. If she is an expectant mother,
sho can learn she can learn not only how to thee
proper care of herself, but how proper care of herself, but how to care
for her child in the different stagea its development. $\qquad$
 he can study accounting, advertising or
banking. one of the largest bonding
companies on companies on New York pays the fees for
its emploves in order its employees in order that they fees for
study commercial correspondence may study commercial correspondence, and
writes to to the Secretary of the Wisconsin
Corres Correspondence Study Departmentensin
if the courses were never completed would conssider were never completed, we
return fors that wo had had ample yeturn consider that wo had had ample $\$ 10$ already paid in.".
The demmade The demands for hready paid in." come from all
sorts sorts of people, from coll come from alle all
A merchant writes from life. A merchant writes from a small town,
"My wiate, as President of the Women's
Club, recoived poin
 looked over and in which I became in-
terested. I let school to work at the
ege of fourteen.
how the extension service covers
recommended to me
institution of learning
institution of learning."
The list of occupations sending corres
pondence students to the univg pondence students to the university in-
cludues proctically all those listed in the census practically the black thoses listed in the baker and
barber, to the waiter barber, to the waiter, watchman and
welfare manager.
They come wiliare manager. They come from the
ranks of the apprentice and from those ronk of the apprentice and from those
of chief engineer, and all the ranks in
between between.
How are
How are these people interested? If
they do not seek the univerity they do not seek the university, it seeks
them. The instructor goes to an emthem. The instructor goes to an em-
ployer, let us say a a tail merchant, and
asks asks permision to organize classes in in
retail salessmanship amole retail salesmanship among his employes.
Usually the employer is easily persues Usually the employer is easily persuaded
not only to allow the classes to be held in his store, but the classes to be held
tris time. The doctrine of eficiency has seized the Ameri-
can employer and he is can employer and he is fast realizing
that an educated workman is workman, more worthy of his hire. better it has become quite the common thing
tor the emploveas in or the employees in some bank, stor or factory to gather in their place of
work two or three evenings a week or en during working hours, and listen tor ge university lecturer. It takes some
grit and ambition to deliberaty grit and ambition to deliberately go go
back to work nights, atter a long day out there are hundreds of young men


[^1]keenly now than ever before The diffculty of getting the necessar orsonal contact between the boy or glt professor at Madison, is not so great ai
 writen to the teacher of Latin, shows
something of the extent to which this difficulty is overcome.
"To say that I have enjoyed this worl
doesn't express my feelinge doesn't express my feelings in regard to
it; not only have I enioyed the my ideas as to the reality of old Age
have been antirelt have been entirely changed-and been
broadened. It has done broadened. It has done me much good
As to your part in the As to your part in the work this is kind and human, Ince you have been so
were really interested have felt that you were really interested, and without that
feeling I could never have puled reeling I could never have pulled through
the course so far. You have breat source of of inspiration and have been a
wich will to me, which will not be forgotten when this
course is over., There seems to be plenty of personal contact, even though it is on paper.
More actual contact is secured for many by the use of six branch offices, really
miniature universities minature universities, which are scat-
tered through the centres whero tocal intructors supplying may meet
classes classes of correspondence students; and
where they can study Where they can study local needs and re-

port opportunities for greater serrice port opportunities for $\begin{aligned} & \text { greater service, } \\ & \text { In the } \\ & \text { school } \\ & \text { year } \\ & \text { 1912-13, } \\ & 1,322\end{aligned}$ students attended these district classes.
while stuty con che while study club groups were formed in
29 different cities. the fextension of agricultural The Wisconsin College of Agricultury still continues the extension services out or which the residence instruction grew,
Created by the demand for scientific Created by the demand for scientifical training, it gives a four year residence course, a two-year course, a short course deisigned for the tarm
boy who cannot lene boy who cannot leave home until the
fall crops are gathered, and a ten-day Yall crops are gathered, and a ten-day
course for farmers and farm women. But
 regular college of the university, it was
giving a service to the farmer on the giving a service to the farmer on the
farm that is largely responsible for much of Wisconsin's proserpitys. Though
it does not
dive englur corcespondence it does not give regular correspondence
courses in agricultural subjects, its exSerts write thousands of letters
specific information aally distribute over 300,000 bulletins different phases of Wisconsin farming ion with the various state; and last year conducted 130 two Iay Farmers' Institutes, and 23 ten-day
courses, throughout the State. Actiny jourses, throughout the state. Acting
jointy with the diferent counties, the
State coll State Colloge supplies especilally trained men to advise farmers during the grow-
ing season, and to tive short courses in ing season, and to give short courses in
agriculture during the winter. In spite of all they received in the way of agtr-
 farms or their farm neighborhoods, 2,000
tarm men and women, trom 60 difierent
countien counties attended the ten-day course a
the university in the winter of 1913 . So impressed were some of the tarul-
ers in tar or D Dakota with the work that
is heina don Dat is being done for the farmers or Wiscon
sin that they sent a special expedition down to May sisen to special expedition
of the the infucenco
of thiversity on the economic ono ditions of thersty on the economic con-
that trip, they took As a result of
that that trip, they took back with then
thousands of dollars worth of pure-bred
cattlo cattle which fact shows that pura-tred
of teducation thand of education pays in more than ovy
direction. It costs the farmers of Wis
cons consin money to support the sta
versity, but that same versity, but that samport the state university puts
vast amount of nockets.
Take the matter of pure-bred
smols

DECEMMER 10, 191
THE FARMER'S ADVOCATE
By placing small quantities of improved sin Experiment Association, a body composed of over 1,500 short course gradu-
ates, the university is sowing the State with seeds especially adapted to its a result, the corn belt, which was formerly considered to be at the southern boundary of the State, has been pushed ber 7 corn, in a five-year test conducted by the 1,500 members of the association gave an average yield of $32 \frac{1}{3}$ bushels per acre, or corn ever raised previously in over any corn ever raised previously in the
State. Likewise, the university's Select Oderbrucker barley yielded 4.9 more bushels per acre than the best varieties
grown in the past by unscientific farmgrown in the past by unscientific farm-
ers. So it has been with dairying. The, dis-;
covery of the celebrated "Babcock test," which Prof. Babcock refused to patent
and gave to the farmers of the world, and gave to the farmers of the world,
has furnished a simple means of paying has surnished a simple means of paying
for milk on the basis of quality and has enabled the farmer to weed out all boarders" from his herds. This invenand methods have been advertised and demonstrated by the university so that they have come into wide use, and have
placed Wisconsin first among the placed Wisconsin first among the United
States to-day in the production of both butter and cheese. Her annual dairy output amounts to the tremendous sum of $\$ 80,000,000$.
the 'Package library." These are a few of the ways in which
the University of Wisconsin has helped her farmers to a greater material
wealth. She is also doing much to aid hem in securing an intellectual wealth; to make them better citizens. The pro-
motion of debating and public discussion in both urban and rural districts, was one of the first things that the uni-
versity undertook when it began its exversity undertook when it began its ex-
tension work. Business men's Cle Farmer's Clubs, to say nothing of legislators in the capital, have turned to the university for aid in their discussions,
and they have found that and they have found that its bulletins, the authoritative Libraries" have given
formation necessary formation necessary.
Legislatures
Legislatures, composed chiefly of farm-
ers, have passed year after year, laws
that ers, have passed year after year, laws
that have given Wisconsin the reputa tion of being the "best governed State
in the Union." in the Union." She was among the
first to establish a rate commission that really served the people; a tax commis-
gion which tate pormion that sion which taxed the roads a tax commiting to
their physical valuation their physical valuation; an efficient in
surance commission that closely guarded the interests of policy holders; an in-
dustrial commission greater measure of safety and justice to the workingman; a Primary Election Law, a Corrupt Practices Law, a Legis-
lative Reference Bureau a Free Circulating Library System, and a thousand and one other measures designed for the welfare of the greatest number of people.
All these facts go to show a high level
of average int
 is a State of many nationalities, Ger-
mans, Scandinavians, and Slavs. In the
assimilation formation of all these people and the opinion, the little "package librery" hablic
played no negligible played no negligible role. Organized for
the inspiration and assistance of debat. the inspiration and assistance of debat.
ing clubs in the schools and civic
leagues, it hit leagues, it has the schools and into the nortic
lumber camps, the city country schools, with its message of better citizenship. From the largest
city High School to the smallest rural
center then center, there is hardly an organization
devoted to debating which devoted to debating which does not
make use of the "package" of authorita
tive boo tive books, reports, pamphlets, bulletins
and newspaper Which the unpaper and magazine clippings,
of 5,000 . Last
Bchools,
year
129
1207
women's centers, 129 women's clubs, 62 social
27 reacheral clubs, 38 men's clubs.
teach's 27 teachlur's associations, and and 16
churches
tions Were aided greatly by the publication of how to
constiturize clubs, gave a sample
gested The con ts for discusston.
ferent suldut por for disularity of the dif
public interestat. The to the trend of fore when the income tax had just be
on woman suffrage libraries adopted.) State aid for good road on woman suffrage (the leading adopted.) State aid for good roads
"library") testifies to the interest in a calls interest to the extent of 28
cause cause which was defeated by a referen- calls for librearies.
dum the the the extent of 28 information in 1912. Seventy calls for sin both "peflects the trend of public in Domestic Science, speak well for and terest and aids in the stimulation o
awakening of woman as sponsibilities.
Interest as to her home re- that, as a rule, each library is a subject Interest in national questions was of group discussion, it becomes evident
shown in the demand last mate here is no mean instrument "libraries" on immigration; yoar for 104 on the cation. That it is a non-partisan, unPanama Canal and its tolls; 53 on the precudiced instrument is proved by the


How the University Comes to the People.
Fair held in the town of Windsor, Wis., as a result of the opening of a social
Mexican question; 51 on conservation; 48 healthy fire of criticism, is never criti 43 on international peace; 34 on the libraries is as the fairness of it tariff; 29 on the increase of the navy. libraries is concerned. Any one can
The last wisconsin legislature enacted library of the best material
available a Minimum Wage Law, leaving the de- for the asking Surely the subject, tails to the Industrial Commission, and, for the asking. Surely the money in"libraries', on that a demand for 64 tion is well invested, considering its "libraries" on that subject. Many cities stimulating influence on the boys and
took up the discussion of Commission girls, and the men Government, and 60 packages of ma- endeavoring to become mot who are terial went out to aid them. A law providing for the opening 'of school
houses for public discussion brould ouses for public discussion brought INSTRUCTION BY LECTURES,
 pulsory industrial education law brought introduced into America. This arrangeout 41 on the subject of vocational ment, by which the members of the training. Thirty-four calls came for ma- faculty go out to various parts of the
terial on the income tax a a falling off of
State and lecture upon their specialties, terial on the income tax (a falling off of
90 from the number asked the year be-

How the University Comes to the People


THE FARMER'S ADVOCATE.
FOUNDED 1866
vaccine is also distributed to all the
physicians of the State
Last year the State Hygienic Labora-
tory, which co-operates with the Bureau
of Health Information. was consulted by 1,855 health officers and doctors. in over
$\mathbf{5 8 0}$ different communities. 580 different communities. (Think what State! The State's free weekly Healh In to by 350 newspap subBy correspondence, press service, health
bulletins, and health exhibits, the university seeks to apply the medical
knowledge of the world. and to make it the property of the average person. In
the field of medicine, the work of education is greatly facilitated by the use of stereoptican lantern.

Continued on page 2126 ,
"Little Belgium"
Sir Galahad, and in a sad sense
"Little Belgium." A year ago who knew
her save as a prosperous if somewhat
obscure state on the west of Europe?
of her prowess, the self-sacrifice of her
king, the awfulness of her suffering,-for
what nation has ever suffered, within
the space of a few short weeks, as has
"Little Catholic Belgium"? Like
Winkeiried she has gathered the spears
of the invader to her bosom.-Have come
She stands crippled and maimed.
stroyed, yet never faltering. As a
stumbles, submerged beneath a debris of
ruins, yet still raises an heroic arm
that waves defiantly, even victoriously,
And the end is not
future of Belgium
such as hers phesy, and yet, for suff at
be some day, somehow, compensation
" Oh yet we hope that somehow good

Were it not for that hope, which clings
divinely, whatever betide, in the hearts
that has come upon Belgium, in this Europe, must be naught but horror and
utter despair.

and vegetables and brown, with red-roofed houses:- one. for, almost to a man, the Belgians
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$ the dres
speech
$\qquad$


Before the War.
$\qquad$
$\qquad$

the country,
ry, even the $\qquad$ writing of these capacity for cheerful labor. "The condi-
tions of life among the agricultural classes of Flanders," says Boulger, in
his book on the Belgians, "would be considered intolerably hard by the agri-
cultural laborer in England, and even
the sense of possessing the land on
which they
$\qquad$
$\qquad$
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A Flemish Country Girl
o one can reside any time in Belgium without forming a very high opinion of
its women, of their thrift, cleanliness, each year, wh the end of a great procession taken at siege of Troy. The forts of Namur and Cathedral of st. Saveur, the crowds of cost of $£ 4,000,000$. Namur also has
people along the way sinking to the fallen, and Antwerp, pride of Belgium,-
ground and kneeling as it passes. it but the Belyians still fight on. ground and kneeling as it passes. It
would be interesting to know just where, to-day, that small vial is, for it is to be imagined that so holy a relic would not be left in its place on the advance
of the Germans into Bruges. In passing it may be remarked that
legend tells of two miracles in conneclegend tells of two miraches in connec-
tion with the relic of the facred Blood.
After a time the After a time the liquid was found to
be dry, but was said to become liquid
every Friday every Friday at six o'clock. This oc-
curred regularly up to the year 1325, but since then it has been observed only
once, that in 1388 , when the vial containing the blood was being transferred casion,"" says Omond, "William, Bishop
of of Aricona, was astonished to see the relic turning redder than usual, and
some drops, as of newly-shed blood,
flowing within the vial, which he was flowing within the vial, which he was
holding in his hand. Many notable per sons who were present, one of them the
Bishop of I.incoln, testified to this
avont, event." of Lincoln, testified to this
Vntil the War there were four universi-
ties in Belgium, in Liege, Ghent, ties in Belgium, in Liege, Ghent,
Rrussels and Louvain, with a School of
Minink at Mons. In the country of the Walloons, Lieqe. noted fur its iron industries, has been
the central point, surrounded by a coun-
try railway po picturesquely rugged that the takes it way through twenty-five tun-
nels in as many miles. "Tiege is a fortifinel as many miles. "Liege is
ance," in the path of any army advancing fron Germany"-words that to-day seem al-
most Hilicrous, although written so
short short a Ame aro, for since then the the
"German surprise," the theat 1 tinct Howitiers. have been able to render
fortificationg Tortifications of to-day as obsolete as
the deverice of the wooden horse at the

Fut the Belgians still fight of history cities have had a more eventiul peaceful name, which means "on the
wharf," has been throukh half a dozen wars and many sieges. The Northme then later the Spaniards, both made it
the scene of hideous welters of blood Napoleon set covetous eyes upon it as a base against England. In 1830 Chasse's guns thundered without its gates, and
now again, in 1914 it has been battered now again, in 1914 it has been battered
by war. But it is well to know that it has not suffered destruction as has 1.gurvain. Its cathedral still stands, and the museum, with their priceless col-
lections of paintings by Rubens, and thd lections of paintings by Rubens, and the
Antwerp artists, Tenier, Jordaens, and Vandyck. Antwerp, it may be noted, although reached daily by ocean-going
vessels before tratlic was interfered with vessels before trauluc was detereced wit
by the war, stands some distance up th by the war, stands some distance up the
Scheldt, along which Holland owns the land. Should Germany decide to
spect the neutralify of that country is diflicult to see bf what great use the
a cquisition of this "port" can be to her Courtrai, near which the famous Battly
of the Golden Spurs was fought in 1302 Xieuport, the " "new port" in whos vicinity the "Rattle of the Dunes" was
fonght between spaniards and Dutch in
16S0: and Ypres, with its magnificent Halle des Drapiers, which tonk one hun
dred years to build, are all familia dred years to build, are all fammal
names now, even to us of the new
world. ."That is what the ypres world. is like", says Boulger, ".
of to-day is
slepy town, with clean, well-kep stecpy duwn, and uninteresting save fo
stre stately Cloth Ifall, which standthere a silent memorial of the past."
But a short time and
Ypres another sight." It was one of the fir
places in which the British came in ponflict with the enemy. "The Britis fire at Ypres," wrote the Times corre
five days
drove the enemy back firteen miles. The German forces were commanded by the Bavarian
Crown Prince, who crown Prince, who, it is reported, has
been wounded.
The British forces cap tured Langemarck, five miles northeast of Ypres, on Friday after inflicting enormous losses on the enemy, and estab-
lished entrenched lished entrenched positions beyond the
village. non had ceased, there was of suddenly anshrill whistle and bushes soaked in
petroleum broke into flames, throwing petroleum broke into flames, throwing a
glare over the scene. Masses of men
sprang up from the sprang up from the beet crops within a few hundred yards of our trenches, and
with bugle sound, vell and song the with bugle sound, vell and song they"
came dashing forward to our position.
"'Though taken hy "Though taken by surprise, our brave
men were not unprepared. They took
their poses their places in the trenches and held
them, pouring a terrific fire into the advancing hosts. "Answering with rifle and machine gun
the enemy advanced, still with the bugle the enemy advanced, still with the bugle
playing and amid shouts of 'Hoch Hoch!' They were in dense masses and they fell by the hundreds. They got they recoiled. yards of the trenches when "Then came three blasts of a whistle,
sounding the retreat. Our men sprang sounding the retreat. Our men sprang
out of the trenches and went in among them with the bayonet. The slaughter
was terrible, and there were many hand-to-hand encounters. "In the dim glare of the burning
bushes some of the enemy threw down their arms and pleaded for mercy. No quarter, however, was given on either
side side. The work was too desperate for
that.
Bayonet and bullet did their that. Bayonet and bullet did their
work, and the enemy was driven back on Roulers.
"A battery and several machine guns were captured and several machine guns ers were taken, including a General and
several other officers." -So war,-nor did that dread event end the fighting at Ypres, which has been
since then in the center of the swirl of since then in the center of the swiry of
confict for weeks. On this day of writing, the first of December, news has come that this famous old city of the
"Cloth Hall", has been battered to ruins "Cloth Hall has been battered to ruins

Little Relgium - "Little Catholic Bel-
gium, -torn, dismembered, yet fighting inch by inch, with her women and child-
ren and helpless old ren and helpless old folk, scattered,
homeless and monevless homeless and moneyless, over Great
Britain and Holland! Surely if a crown Britain and Holland! Surely if a crown
rewards suffering hers. will be bright. In
the the words of G. K. Chesterton, "She
saved France, she saved Fnglan, saved France, she saved England,--her-
self she could not save. This is not the case of a little raple in Asia or fight or be exterminated course but to slavery. The Belgians had another slavery. The Belgians had another
course: they could have looked the
other way while the pre other way while the Prussians crossed
their country, so to speak, with their
boots off It is auito beots off. II is to speak, with their
the prussians, at the very begieven
the veng whe Prussians, at the very beginning,
wished to make it easy for them : the
first messages from the Cermen mats spoke of respect for independence
and sovereignty. Belgiura could have saved her face; but she preferred
to save Europe,
THE HISTORY OF BELGIUM.

$$
\begin{aligned}
& \text { "It's a long, long way to Tipperary," } \\
& \text { and it's a long, long way back to the }
\end{aligned}
$$

beginning of the story of the Nethe the

$$
\begin{aligned}
& \text { lands, of which Beorgium was, ine Nether- } \\
& \text { cent days, an important unit. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { cent days, an important unit. } \\
& \text { When Julius Caesar overran Gaul a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { When Julius Caesar overran Gaul and } \\
& \text { pushed up into the flat, fertile countries } \\
& \text { horderino the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { pushed up into the flat, fertile countries } \\
& \text { bordering the foot of the North Sea, he } \\
& \text { found the Netherlands already practican }
\end{aligned}
$$

$$
\begin{aligned}
& \text { found the Netherlands already practical } \\
& \text { ly divided into two. one part inhatited }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ly divided into two, one part inhabited } \\
& \text { by tribes of Germanic stock, the other } \\
& \text { hy }
\end{aligned}
$$

$$
\begin{aligned}
& \text { by tribes of Germanic stock, the other } \\
& \text { by Gallo-Celtic tribes. the Belgae, of } \\
& \text { whom the Nervii, between the Scheldt }
\end{aligned}
$$

$$
\begin{aligned}
& \text { by Gallo-Celtic tribes, the Belgae, of } \\
& \text { whom the Nervii, between the Scheldt } \\
& \text { and the Sambre, were described by him }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and the Sambre, were described by him } \\
& \text { as being the most warlike of all the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { as being the most warlike of all the } \\
& \text { tribes of Gaul. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { For a time Roman rule, }- \text { and fortified } \\
& \text { cemps appeared along the Rhine. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { camps appeared along the Rhine. } \\
& \text { Came surging from the southward }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Franks under their great king Clovis, } \\
& \text { who, converted to Christianity, did } \\
& \text { much, throurh his Chissionaires }
\end{aligned}
$$

$$
\begin{aligned}
& \text { wio, converted to Christianity, did } \\
& \text { much, through his missionaires, to drive } \\
& \text { paganism from the land of the Belgae, a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { paganism from the land of the Belga, a } \\
& \text { work pushed northward, later, in more }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Work pushed northward, later, in more } \\
& \text { strenuous fashion, by Charlemagne, who, } \\
& \text { at the point of the sword compelled the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { strenuous fashion, by Charlemagne, who, } \\
& \text { at the point of the sword compelled the } \\
& \text { Saxons and Frisians to throw over }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Saxons and Frisians to throw over } \\
& \text { their gods.- Fair means and foul, yet so }
\end{aligned}
$$

$$
\begin{aligned}
& \text { their gods.-Fair means and foul, yet so } \\
& \text { it came that when the voice of Peter } \\
& \text { the Hermit ranc }
\end{aligned}
$$

$$
\begin{aligned}
& \text { t came that when the voice of Peter } \\
& \text { the Hermit rang through Western } \\
& \text { Europe, nowhere was the call to the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Europe, nowhere was the call to the } \\
& \text { First Cruasede responded to with greater }
\end{aligned}
$$



Church Porch, Nieuport, Belgium

## THE FARMER'S ADVOCATE.

that the Netherlands refeived their fir real impulse towards cemmercial pros
perity, -that impule which has gone o
and on until, in this perity,-that impulse which has gone on
and on until, in this Tweytieth Century
Belgium, by her own energy and prise, succeeded in raising herself to the enter-
position of the position of the fourth trading and manu-
facturing country of Europe There followed a chequep. Low Countries,-now under Burgundian rule, now Austrian, and now Spanish, with religious persecutions adding to the horrors of war, until the famous lord of
the country, William the silent Orange, with his "Sea-Beggars" drove out the Spaniards and their merciless Alva from Holland ! ... Finally came maintain their freedom and right to to religions worship,-then is79 and the Anal separation of the Northern and
Southern Netherlands. By the signing of the League of Arras in that year the
Wing then Walloons declared their adherence to Catholicism and loyalty to the Spanish $\underset{\text { wars, }, \text { ". }}{\text { Yhe }}$ welge "wars and rumors the independent Dutch across the Scheldt, now with the French, and losing, ever and anon, slices of territor

One of the first steps of Louis XIV during the War of the Spanish Succes sion, was to take possession of the
Spanish Netherlands. $\begin{array}{ll}\text { Spanish } & \begin{array}{l}\text { Netherlands. . Nor } \\ \text { English } \\ \text { soldiers }\end{array} \text { unacquainted }\end{array}$ Belgian soil. On the declaration of wa upon France by Queen Anne, the grea Marlborough's first advance was made
in Belgium, and so it came that there were won his great victories of Ramillie and Oudenarde. As a result, by the
Peace of Utrecht, Belgium was once more seace of Utrecht, Belgium was once more
sepated from Spain, and was separated from Spain, and was placed
under the sovereignty of a Hapsburg claimant, Charles VI., remaining unde Austrian rule for nearly a century. On the 11th of January, 1790, the
Belgic provinces formed themselves into an independent state under the name the "Belgian United States." Conquest by Austria followed, then by France, and
after the fall of Napoleon, through the after the fall of Napoleon, through the
infuence of France, a short period of union with Holland under the Prince of Orange as King William I. (Crowned March, 1815).
Such a union,
The Belgians
The Belgians felt that they hat last. handed over in compensation for Dutch
losses during the Napoleonic losses during the Napoleonic wars, hence
it was not strange that in 1830 should occur a revolt which, for the last time effectually separated Holland and Bel-
gium. $\underset{\substack{\text { gium } \\ \text { On }}}{\text { the }}$
year a National November of that Yrussels, and it was decided that at Bel-
gium should be tencer gium should be henceforth an indepen-
dent
country, dent country, under a hereditary
monarch, with a constitution drafted the plan of the British parliamentary system. The throne was first oftered to
the Duke of Nemours, who del the Duke of Nemours, who declined it.
It was then accepted by Leopold Saxe-Coburg-the widower of the Princess Charlotte of England,- who subsequent-
ly married a daughter ly married a daughter of the King of
France. William of Orange $\begin{array}{cl}\text { France. } & \text { William of Orange, however } \\ \text { did not } & \text { lightly yield his claim. }\end{array}$ invaded the country and was only it
duced to withdraw on thic advance of rench army, even then entinuing
hold Antwerp until forevi to disl from it by the contined fleets of Franc
and Great Britain. Under pressure
the the Allied Li London on the a treaty was signei
 should form
petually neu
petually neutral state". This treaty wa:
the since famous "scrap of regard of which, on the part of Ger
many, precipitated, in w. many, precipitated, in Western Furop
the present unprecedented strifo In 1865 King Leopold died, reign during which Belgium made atter progress.
Leopold
II
cessful, although besmirchas also sut in the revelation of atrocities existin.
in the Belgian Congo. Early in in the Belgian Congo. Early in his
reign threat of trouble came once more
to Belgium on to Belgium on the outbreak of the
Franco-Prussian war in 1870 .
Realizing the danger of her position Realizountry made haste to raise an army
nd send it to the frontier. In Eng-
anll also, the idea of peril to Bolgium
caused rauch excitement, and it was Over arches or doors a thick rope of tention to adhere to the traeaty of 1839 ground pine is suffcient, and the green
and be brightened by branches of holly. and to maintain the integrity of Bel- Holly wreaths tied with red ribbon will rium, induced France and Germany to Belgian territory
King Leopold II., in turn, died King Leopold II., in turn, died five
years ago, and was succeeded by his years ago, and was succeeded by his
son, the good King Albert, whose name
has shone so brightly during the nae few months, on the list of self-sacrificing ones of the Great War
be sufficient for windows. Be sure when
selecting the ribbon that it is a rich selecting the ribbon that it is a rich
crimson, harmonizing with the berrie. crimson, harmonizing with the berries,
Vermilion color is too often seen and is entirely inartistic.


Scenes During the Great Exodus of Belgians from Ostend, October, 1914 Belgians on the piers at Ostend endeavoring to get aboard the steamer for Eng
land.
Copyright, Underwood
Holiday Decorations. As the holiday season approaches arations are uppermost in the mind ing the note is too often struck by having the rooms so ladened with pine and
holly that one experiences holly that
suffocation.
broidered centerpiece and stand the car-
nations in a green vase in the center or ons can use a crystal jar or even a This decoration math delicate ornamentation. the use of a pink, yellow or yellow-green vase or jar. If a little or yollow-green trimming is wished, place streamers of
red ribbon, matching the carnations in

near Dinant.
color, at each corner, fastening a of holly with perfect berries on each. Chrysanthemums and roses are mad of paper these days so as to appear as can be used time after time for lowers decorations if they aftar time for tabl
and covered, and covered, instead of being left bute side to
crumpled. crumpled. A small sum invested in hot
house vines, to mix in, will make
artificial blossomen artificiel blossoms appear more matural A low mound of ohrysanthemum Wreathed with holly or ground pinn mee an appropriate table decoration
The blossoms should be scarlet and white.
Crystal candlesticks, hooded with scoar-
let, and wreathed let, and wreathed at the base with
holly, will add to the effect. Fruit is always on appor pleasant center decoration. A sliver dish
is preferable. is preferable. A pretty china or diash
bowl lends itself charmingly and bowl lends itself charmingly and the
common chopping bowl, filled with winter fruits and nuts, placed in a a wreath
of holly, will prove a novelty. of holly, will prove a novelty.-House-
keeper.

Holly and Mistletoe Professor
interesting information about holly mistletoe. The former, now so much associated with church decorations, was,
oven before the days of Chren lound adorning pagan homes, since the great feast in honor of Saturn fell in wont to exchange, and neighbors were in token of goodwill, thus antedating in their religious worship and kindly greet ing something at least of the spirit o the glorious song of the angels at the
birth of the Messiah. "In England one
rarely rarely finds holly trees "In England on any great
size, though size, though at Claremont, in Surrey, is one that stands eighty feet high, and in
the New Forest may be seen several with a girth of eight or bine feet. ${ }^{\text {w }}$ The timber becomes valuable when the tre is of any considerable size, and so th
trees are felled." Even more interesting than the holl cently, enjoyed a big reputation quite ror cently, enjoyed a big reputation for ito
medicinal properties, medicinal properties, especially as possesses many curlous peculiarities, amongst others the fact that it is the only plant whose roots refuse to shoot
in the ground; - this and its traditional superstitions handed down from the day of the Druids, add a great deal to it: charm. Herrick, full of quaint fancy. monest and most unlikely things, sees in the mistletoo a beautiful emblem of his
independence upon the care of proviindependence upon the care of Provi-
dence:
"Lord, I an like the mistletoe,
Which has no root and cannot gro Which has no root and cannot grow
Or prosper, save by that same tree Or prosper, save by that same tree
It clings about; so I by Thee."

The Christmas Tree in England.
The marriage of Queen Victoria witb
Prince Albert introduced to us, and amongst others the Christit from? Fhere did the Germans ge you find Teutons believing in a mystic ash tree, Yggdrasil, which, with its
roots and tranches, with a roots and branches, united the world of
the living and the world 'At the foot of Yggdrasil the dead. Norns, who determined the destinies of men, and Yggdrasin's branches bear gifts for men to take." Is that our Christ-
mas tree? Anyhow, the idea that Prince Albert Anyhow, the idea tha Britain is very prevalent. One of the prettiest and most eagerly looked-for
events of the Christmastide-that of the setting up of the Christmas tree is associated with the late Empress Frederick of Germany. Queen Victoria, after the
birth of the Princess Royal, had Christmas celebrated at Windsor in 1840, and "on that occasion Prince Albert intro-
duced the pretty duced the pretty German custom of
decorating a Christmas tree. Since that
period it ha period it has become a welcome custom
for both rich and poor little ones in this country, and affords a graceful mean
of distributing little presents.-T.
Weekly of distributing little presents.-T.
Weekly.


$\mathbb{C}$ ye zeaber Citrle.

When His Whip Goes Crack. By John H. Cook. Our good St. Nick is on his way
His prancing steeds are near We hear the sound of the silver bells His sleigh is almost here.
A load of gitts is stored for A load of gitts is stored for all
Securely in his pack,
For he travels like the lightnin, When his whip goes CRACK! Through all the year with plane and saw He worked in his wondrous shop;
So much there was for him to do, So much there was for him to
That he never dared to stop; But when the gifts were all complete
They made a mighty stack He will surely bring them with him,
When his whip goes CRACK ! Now when we light our Christ
Oh, what a glorious sight ! With countless waxen candles And burning there so bright.
Our good old friend will load Our good old friend will load it down,
There will surely be no lack. He always keeps his promise,
When his whip goes CRACK
So hang your stockings, large and simall.
Convenient in a row. Convenient in a row,
For they will look so tempting when
They're filled from They re filled from top to toe.
Our generous saint will never fail
He has a curious knack of giving right good measure,
When his whip goes CRACK

## Dorothy's Xmas Dream.

 wrathtul words pretty ittle Dorothy
threw down her beautife was Christnas evening, newd this par
ticular dolly had been given her, among ticular dolly had beeng given her, among
other present, by her dear parents only
that morning boret that morninas $\begin{aligned} & \text { Dorothy was not given } \\ & \text { to temper as a rule, and on this sudden }\end{aligned}$ outburst at the commencement of our
atory, she only had the satistaction of
seeing poor dyly seeing poor dolly's nose broken right orit
When innocent $J$ ane (that was the name Dorothy had given that was had hat heen
thrown away so roughly, she had, much thrown away so roughly, she had, much
against her will of course, come int
violent contact with needlework box, wending the scissorst, and
the thimble, and needles and cottons in the thinble, and neadles and cottons in
al
that directions, causing such an uproar
that Dorothy', all directions, causing such an uproar
that Dorothy's mother was son on or the
scene. I guess some of my little read-
 said when she saw what Dorothy had
done to her beatitul prosents. Yes. she
was tery severely scolded, and was to



 exit of hor mother, Dorothy set up cry-
Ing arrowt but gradually her soos grew
less and
loss, and soon she lay slepininc.

 with a sisht which made her big blue
eyes nearly jump out from behind their
long black lashes to hor bed, and ond olding ing quite close
tile, was Jane the dollty
dited candile, was Jane the dolly, only now she
was quite six times biggr, ind
twice antabut
as big as Dorothy hersele
 free, was the stump of a nose; all that
remained of her once good-looking nase remained of her once goodlooking nasal
organ, arter its contact with the floor.
Dorothy was very Dorothy was very much scared. Her
tongue had beome suddenly dry and her
lips seemed unable to trame the lipa seemed unable to frame the cry she
wanted to make. What did this awful thing want with her, she wondered, but
not long had she to wonder, tor at this moment the bige doll began to speak in
a high-pitched yet harsh voce a high-pilched, yet harsh voice, saying,
"Digothy the wicked the one who dee
lights in the illtreatment of the great race of Toys, we come to take judgment
against yout.
Get up trom that bed at at against you. Get up from that bed at
once and come with us
That awful voice caused a cold shiver That awful voice caused a cold shiver
to run down hhe back of poor Dorothy,
but, nevertheless, she deemed Dit neeces sary to obey, and so she quickly clam-
bered out on to the carpeted floor. Once there, she e became sudarenly aware of the
presence of more than one ginat to Presence of more than one giant toy, for
there, ranged in an semi icircle behind the
 tents of First in the the line was the the con-
thex the scissors standing juntiliy on its two points, an
looking like a lord chiel justice, just ready for the trap; then came the thim- the
ble and cottons, cach bearing a sneer

 eyes took in everything around them
Next to the needles was that fine book ${ }^{\text {of fary }}$ and tales Dorothy liked so much, and whom she knew she had never
harmed, but which stood now with look of hatred on its tace, and a kleam not akin to love in its eyes. Next in
succession came the big fat ball her uncle had given her, and then last, but not least, came her big slate with its pencil
tied to it. of course, Dorothy had noted all this in a glance, but I can as-
sure you, dear reader, it only added to her embarrassment.
As soon as
soor As soon as our freahed the foor and liopked around,
hane the big doll and apparent leader
Jane the Jane the big doll and apparent leader
of this unusul) assembly, pushed her Dorothy, before the gathering of Toys
and
 of cotton so addressed. rolled forwara
and hen, springing upward began en
arcling nittle Dorothy with its coils very much as a spider spins its thread over a poor unfortunate "y. Dorothy
was spellbound, and was very soon cot tonbound, too, for that black cotton
done its work soll that opothys
hands and arms were soon tighty bound to her sides... When Jane considered the
Whan
tinding strong enoush, she ordereal Black Cotton to cease, and that worthy prob-
ably getting tired by this time, quichly




foot (cries of assent and growls from
other toys), and been made to work as
slaves of amusement to the human world
 ourselves and make an efort, to over-
throw these tyrants.
we commences py peverely we commence by severely punishing this
indivisual, and then tour the world and
troe dive tree slaves, such as we were, and punish
their hard - hearted t task -master
 Immedid up their right hand?
 whorl" "pleased them very much. "Noo
that that question is setiled," contlinue
he doll

 Iment, all the toys began pouring in their
suggestions and ideasa hut refused as being ideas, but they were all
thimble would bawl girst the himble would bawl out, and then the
scissors
would "chip
in"
a sharp or two, but still they could come to no standing shivering in her nilghtorthy was bule to move or speak. That a very
ruel fate awaited her she litte doun but yet escape seemed imposibible open hig her ears to their widest, sho listened
to the suggestions that eme and her porer lititle hateart were belng made
when she hato topped
 lriends, It think at last we have the rlght
inea.
It comes trom our old and truety triend, big slate. He proposes that we ty
take this enant hasistance of Black ours, and, with the the Needle, we shall sew her to the thill top of the bit green curtain in the corner, and where she will be out of sight, and down soon she will hound and taken spiders. What do you say to the sug gestion, my friends $7^{\text {" }}$ Immodiately there
was a chorus of approval and shouta of glee at the idea of this wicked enoumy o
theirs being punished in so ner. Poor little Dorothy, -she began to cry at this and tried to run away, but
the big doll was watching, the big doll was watching, and, catching
her by the hair, pulled her beck. Then Jane ordered the needle and cotton to stand out and prepare for their part. In
the work, and turning to the othere the oork, and turning to the others, , ahe
instructed them how to put the iltele fancy stool on a chair, so that she, blg doll could reach up to do her awful
sewing. Eagerly the toys collected the necessary things, and when all was
ready, Jane, the giant doll, gathered ready, Jane, the giant doll, gathered
poor trembling Dorothy into her arma and commenced to ascend the thar arrmed
ladder. Getting up on the chalr she proceeded to mount the sto chatr she said betore, the stool was olly at fancy
one, and so as soon as the comblned weights of Jane and Dorothy was placed
upon it. there wwa upon it, there was an ominous crack.
This was quickly followed by another one, and then, without a moment's warnher, anxiety to come sane with a crash. In all about little o Doroth, who, on boing
released, felt herself going down down

 utes, hearing no sound whatever, she
dared oron her eyes, and wher oo do
you think she was? Why, she was lying


tuck on by Dorothy's papa, as she Dorothy out now for. How phe ploesed wee
hight's adventur that all her night's adventure was only a droam.
Right then and there sho promised nover to get into a temper or harmam any of her
tor mer loys again, and I am pleased to say bhe has kept her promise, and never aqain
has she had a repetition of her colitit. has she had, a repetition of
mas dream."

Decorations for the Christmas Tree.
mastrree may be bought fort the Ohrist, possible to have a very protty Christma it,-a withous spending much money on of the sparse dollars should wo to most paper - netting and a few sheets of gold enough pretty thing the foundation for cree. Make the netting into cornucopia Taper for coverith candies; use the gold board. Birds and "ladies" may bo cut trom the fashion books and other maga-
zines, pasted on pasteboard, colored with water - colors and hastuoard, oolored with
and the the to to add to its gayety, with strings ore opo
corn and cranberries to finish the decoracorn and cranberries to frish the decora-
tion. If the cranberries are not at hand, bright-red appless. gingerbroad- men
and doughnut animals and doughnut animals may be made to
do service.
Quaint little dolls can be
 paper.
If one prefers, the Christmas-tree maj be presented in the gulse of a snow-tree,
and very pretty indeed is it.
All the the decorations must be white,--silver tinsel
 dust" plentifully used on the branches to $\begin{aligned} & \text { represent snow, and pulled down to rep- } \\ & \text { resent icicles. }\end{aligned}$ The dolls hung on this
The Treent icicles. The dolls hung on thit
treold be dressed to represent fair ies, with white tiarletan gowns, sill vered wings, and ailver atarg on theil
heads.
Small china dolls, which are not verys. Small china dolls, which A Japanase tree, with small Japanese parasols, dolls, and lanterna, in also
very pretty. All the package should be wrapped in red paper, while hhose of the snow-tree should, of course On Christmas day tho children may b made very happy, and kept amused fo hours by permitting them to trim-a
smalt tree of their own. Give them
penty plenty of red and white tisaue paper,
pair of dull scissorse and with a few hints on how to make fufy balls, poppies, fringe, and chains, let
them to cut figure board, and give them same popeorn and peanuts to string, and they will take
care of themselves, leaving the oldder toll

A train was rushing through some



There quichly dressed and ran down sta
The her presents lying



## Christmas Gifts.

By Ralph M. Thomson. Not $\underset{\substack{\text { grudgingly, } \\ \text { constraint }}}{\text { o Lord, nor through }}$ constraint;
Not as some money - changer bent on
gain. Whose $\begin{gathered}\text { gain, } \\ \text { mo } \\ \text { mo }\end{gathered}$ And shows. the imprint of a deathless But unto each alike-if great or small,
Or rich or poor, or far from Thee Lord, let me give, if I would give at all,
Without dissimulation in my heart. Not loftily, O God, nor yet in state : Not lottily, O God, nor yet in state:
Not as the condescending of the earth,
Who of benevolence so Not as the condescending of the earth,
And stonep to ponce so loudly prate,
And sander in accord with But scorning to exact a single toll, But scorning to exact a single toll,
Lord, let me do, and for the least o With: somem. $\begin{gathered}\text { thing of that love deep in my } \\ \text { soul }\end{gathered}$ With $\begin{gathered}\text { soul } \\ \text { which Thou } \\ \text { Bethlehem, }\end{gathered}$ gavest Him of
Not critically, Lord, nor in d:sdain;
Let me not prove an ingrate
 pain, one token-bearer to a foe :-
Or change on on this Christmas day when nations The sing glory of the Infant undefiled,
Make me to know that jewele Make me to know that jewels from a
king
Have no more worth than tinsel from

## The Christmas Dinner.

 It is not stretching a point, perhaps,o say that in the majority of homes to say that in the majority of homes
this Christmas the Christmas dinner will
be "pplain"" be "'plain,"- plainer, perhaps, than ever
before.-and this is, well. Let us cut off all superfluities and send the extras to
the soldiers, who have sol the soldiers, who have so little comfort,
poor souls, fighting on the wintry plains of Europe. Let us save the great demonstration, the grand old-fashioned dinner of almost riotous cheer, until the
Christmastide when they will be with again, when nothing will be too good or too full of glad welcome for those who have suffered so much. Fod grant that the light of another Christmas day may
see no armed men face to face in Europe, no howitzers and mortars updrawn with the threat of cold steel,--but only men ready to clasp hands once
more as brothers, taught by the Great War to work harder than ever before to so arrange the affairs of the world that
there may be, in the future there may be, in the future, less chance
of the breaking out of this grest the face of the earth.
In the meantime, however, it is not
well that the glad celebr, well that the glad celebration of the
Christmas season be permittein Christmas season be permitted to pass
by in mourning and gloom. Were it
only for the sake of the chill only for the sake of the children. fires
should burn bright and tables loe wa; in
ly, a very cheery appearance may be at-
tained at but little expense, if pains be
made to take the place of money. The
dinner itsell need not be ver dinner itself need not be very elaborate
but the eyes of the admiring children, by using a few simple decorations.
For the center of the dinner-table
nothing can be prettier than a ciny decnothing can be prettier than a quny dec-
orated tree. orated tree. This may be carefully dug
up in the woods and actually planted in a large pot or bucket, so that it may be set out in the open again in spring, thus preventing the loss of even a single
tree in this age of rapidly disappearing forests. If such a rapidly disappearing
able, able, a bristly brance taken from the
orchard prunings may


The Retreat from Belgium.
Moving the Seat of $\begin{gathered}\text { The Retreat from Belgium. } \\ \text { Government to Have, France, October, 1914. Copsright } \\ \text { Inderwood \& Tnderwion }\end{gathered}$
in a box, then wound round and round, until every twiy is covered, with narrow
bands of old white cotton deeply frayed
at the edges at the edges. The effect, to the im.
aginative minds. that of a "snow tree," and very at-
tractive indend orated with strings of cranberries, and all the small odds and ends that child-
ren adore. sist preferred, the "decoration" may contable, horizontally, wound with greenery. and used as a foundation for the red
crepe-paper bells. Or
 bank of holly will be found to make the rettiest centerpiece imaginable. Holly, happens to be too deep, anless the snow
a cup of rice intook until tender. Put a cup of rice into a quart of cold water
and slowly bring it to a boil, then rinse and slowly bring it to a boil, then rinse
with clear water and drain. prune juice, and more water if necessary, to make $1 \frac{1}{4}$ pints altogether, and cook
with a little salt until tender a with a little salt until tender. Cut the
prunes into bits, add 12 large prunes into bits, add 12 large chestnuts
blanched and cut up, also butter. pepper and salt to taste. Corn fritters are very nice with any Kind of fowl. To make them mix to-
gether 1 pint canned corn, 2 tor gether 1 pint canned corn, 2 beaten eggs,
1 teaspoon butter, 1 teaspoon curger tablespoon milk, pepper and sugar,
taste, and just taste, and just enougher four to salt to
to small balls. to small balls.
nicely browned.
Cook in deep fat until
Che fat should nicely browned. The fat, should be be beated until a "Mue smoke", begins be
heater
come off the d come off the top before the fritters to
e put inf otherwise the fritters
berry" with its $t$ win leaves and pretty
red berries. the menu.
In the majority of homes, it is to be dispensed with of some sort will not be of 1914. When in this eventful year of 1914. Goose, or turkey, or chicken will be likely to find its place as usual.
In making stuffing for chicken or turkey the following economical hint may be found of use. Add to the breadcrumbs,
when prepared, the cooked when prepared, the cooked giblets, also
any other bits of meat that may be
about about, all put through the meat-grinder. The result is a rich stuffing mhich makes
the fowl "go further." the fowl "go further.". A very nice
stuffing for goose is stuffing for goose is made as follows :
Soak a quarter of a pound of prunes

Belgians Fleeing to Holland for Safety.

, in itse pudding, which sugar and is so rich in protein, starch, ated from the Christmas well be eliminis usually rich Christmas dinner, which stead may be served carrot pudding, or plum pudding jelly. $\left.\begin{array}{l}\text { The carrot pudding, or } \\ \text { calls }\end{array}\right)$ for 1 cup calls for 1 cup sugar, 1 cup chopphng
suet, 1 cup raisins, 1 cup suet, 1 cup raisins, 1 cup grated raw
carrots (or beets, grated raw), 1 cup grated raw potatoes, 1 ted cup flour, 1 cup
spoon
1 teaspoon soda, pinch salt. Steam or boil
for 3 hours and serve with sauce. 3 hours and serve with a good The plum pudding jelly is made as fol-
lows : Put half a Cows: Put half a box of gelatine into a cup of cold water and soak half an
hour; heat a pint of milk in hour; heat a pint of milk in a double
boiler, and when hot dissolve a cup of sugar in it and hot dissolve a cup of melted.
cup of a cup of stoned raisins, a cup of washed currants, $\frac{1}{2}$ cup sliced
citron, and 1 teaspoon of cinnamon and cloves in a very little warm water on
the stove to soften the stove to soften. When the milk ond
chocolate and chocolate are well mixed pour them over
the gelatine and strain into the gelatine and strain into a bowl. Put
in a cold place, and as soon as it but
and gins to grow firm stir in the fruit and
put into a mould. Let stand put into a mould. Let stand over night,
turn out on a platter, surround with thrn out on a platter, surround with
whiped cream, and edge with holly.
If pie be If pie be preferred to pudding a very
nice one may be made nice one may be made of cranberries, or
cranberries and apples, stewed and
heaten and and cranberries and apples, s, stewed and
beaten to a pulp. Bake with one crust
. "cross-bar" the top, and decorate with
bits of holly. bits of holly.
Salads may be served in cups made of Salads may be served in cups made of
bright red apples hollowed out, or in
orange-skins. No salad in tice the famous "Waldorf," made of chopped
apples apples, celery and nuts. If it is, for
any reason, desired dressing separately, a pretty idea is to to serve it individually a pretty idea is to
sking on tolves of lemon skins on sprigs of parsley. Indeed,
parsley, which every growing in pots in the one should have used to garnish all salads of this kind as well as cold meats.
Christmas would not
a great many housewive Christmas to reconal cake. Here is a recipe which a recommended, and not too expensive.
Take $1 \frac{1}{2}$ cups
to Add 3 eggs beaten of a cup of butter large buttermilk or sour milk. Dredge 1 large cup of washed currants, Dredge 1
cup of stoned raisins, and one-half of a cup of stoned raisins, and one-half of a
candid
flour. Siemon peel chopped fine, with candid lemon peel chopped fine, with
flour. Sift 3 cups flour into the egg
mixture, adding the fruit ater the elo mixture, adding the fruit after the egg
but before it is stirred in; also add teat before it is stirred in; also add 1
teaspoon cinnamon, $\frac{1}{1}$ teaspoon each all-
spice, cloves and nutmeg spoon soda, which mutmeg, 1 rounded tea-
the buttermill the buttermilk. Stir all thoroughly. A
little more flour may be needed-the little more flour may be needed-the
dough should be stifi enough to just
drop off a spoon. Rake in

The Christmas Spirit.
 For the neighthor at your side,
Who upon the wave of fortune With yourself seems of nortune to ride
no not be a miser hordin Health and miser, hoarding
bless,
strength and power to Share them with the lone one near you
Who these charms may not possess. For 'tis not alone the dollar,
Soon forgotten, But the hand-shake that you spend, Carries blessing in the goes with it,
Putting the true Christ end. Into everything christmas spirit Into everything you do,
You will find it will be Christmas
In your heart the

DECEMBER 10, 1914
THE FARMER'S ADVOCATE
The Jingle : $1200 \%$ vivivequaw

Christmas, 1914. The Spirit of the Air hovers above
Earth
this
Christmastide
and looks ${ }_{\text {By }}^{\text {By }}$ the faint light of the stars he sees a broad continent washed on the one side and the other by heaving waves,
stoet-black in the darkness, and from water to water are vast fields, here dun,

here glimmering white where the of winter have driftec. | Everywhere |
| :---: | there is the tiny glint of lamplight from

tarm homes, and ever and and larm homes, and ever and anon a blazzo
of clustered twinklings where cities have of custered twink kings where cities have
set up their small , rivalry to the "lights of "the frmament." ". "Reace," says the Spirit of the Air istens, and he finds amonc the teat In the farm homes, the people in the people cities, a troubled unrest, and it comes
to him that the church-spires, on this Christmastide of charch-spires, on this
to ring the scarce know how
 Earth, Good Will to Men."
"Whence this unrest ?" asks he,-and a "Whence this unrest ${ }^{\text {" }}$ asks he, - and a over the water, and a sob that is
all the sighing of the night-wind.

Once more the Spirit of the Air looks
down,-across the sea-and it is as down,-across the sear and it is as
though a great void and formessness
aere were upon the face of the earth, with a
siift thy of strange lights that tell not
of the of the hearths nor the happiness of men.
And he bends low to consider this marvel, for there comes to him, from
the midst of the darkness ing miast of a dhe darkness and the shitt-
uttered, and thaning that is all
that only
his heart can uttered, and that only his heart can He sees that the snow is darkened by
a multitude of armed men, and he looks
arain and again and descries man, and he lioks
channels, from channels, from which long lines of
anxious, waiting eyes looked forth yesanxious, waiting eyes looked forth yes-
terday, peering above the gleaming or
rilebarrels
 begin again the thundering of cannon,
tomorrow the o-morrow the shriek of shot and, shell,
and, mayhap, the cries of ten thousand
dying and wounded on dying and wounderes five millions of of
men against five millions of men, as mon against five millions of men, as
though here were naught but fury or
malice und maile, and iron hate in all God's uni-
verse! 'Lut to-night there is truce and ten million warriors lie waiting, resting,
and
fight therchance, to-morrow they wiil

 shadow of death, without any order,
and where the light is as darkness." Bud were the light is as darkness.".
But he listens atain with his heart.
and his heart hears the monning that all unuturectl
And thears the moaning that is mans then he knows that these vast
pititiul uniten are but made up of little
 cold ice chld rille-barrels,-yot ten mill
lion hearts too, each alone, each think
ing.







Coop th lis henven alls wall the wno....... sang triumphantly
whon,
great
 This year, when so much work is re
quired for field hospitals and for keep. ing soldiers at the tront as comfortable as may be in the face of winter, and ex-
posure, and long marches, Christmas posure, and long marches, Christmas
presents for folk about home should be of the quickly and easily-made order and porbaps nothing will answer all requirements so well as boxes of candies,
dintily wrapped.
The following recipes daintily wrapped. The following recipes
may be of use for this purpose. Marron Glaces. Coor sume shelled
chestruts until tender. then let. them chestnuts until tender, then let them
 Maple ruft. Maple Puffs.-To 1 nb . maple sugar an 1 cup brown sugar, add 1 cup of water ball when dropped in cold watil wate a dozen marsimallows into pieces
add to the mixture add to the mixture in the saucepai
which has been removed $\begin{aligned} & \text { which has been removed from the fire } \\ & \text { Cover and let stand } 5 \text { minutes. } \\ & \text { well }\end{aligned}$ Mix well again and pour slowly over the
well-beaten whites of well-beaten whites of 2 eggs. Beat the mixture all the time. and when it begins
to harden so that it will hold its shape stir into it 1 cup chopped walnuts or butternuts, also candied pineapple and
cherries if liked. Mould into small cherries if liked. Mould into small cakes candied cherry waxed paper. Place a
away to harden of each and set away to harden.
Candied Nuts.-Into a saucepan put cup brown sugar, one-third cup put 1
corn syrup, 1 teaspoon vinegar, 1 teaspoon glycerine and $\frac{1}{3}$ cup water, $\begin{aligned} & \text { ceaspoon } \\ & \text { out stirring }\end{aligned}$ out stirring until it is brittle when put
into ice-water, then remove from the fire and let stand for 3 minutes until the syrup ceases to boil. Place the nuts to be candied, carefully shelled, on
a shallow, buttered aver them and sed pawa, pour the syrup
Pinouchi.a cool. Pinouchi. -2
ins. brown sugar, 3 tablespoons butter, 1 cup milk, 1 cup pecan
nuts and 1 teaspoon vanilla. Boil the sugar, butter and milk until it forms a soft ball when tested in cold water. Take from the stove and add nuts and
vanilla. Beat until quite thick. Pour into buttered pans and cut in squares. Divinity.- -2 1-8 cups white sugar, $2-3$
cup water and $2-8$. cup water and ${ }^{2-3}$ cup corn syrup. Boil
until a drop of the mixture on the edge until a drop of the mixture on the edge
of can hardly be pulled of
when held for when held for a monient in cold water. Add 2 teaspoons vanille and stir slowly
into the whites of 3 egga which heve
 Stir until quite stiff, add 1 cup broken nutmeats, and continue to stir untll
portions of the mixture can be put on thinly buttered plates in teaspoonfuls

## Christmas Presents.

Don't give your children, or those of
anybody else, a rife or any implement of torture tor Christmas-or any any other $\begin{array}{ll}\text { time. } & \begin{array}{l}\text { Discourage such gitts } \\ \text { times. } \\ \text { Rather give your boy }\end{array}\end{array}$ book, or a camera. This will a humane to spare a life and not take a life, hand
so anoid the and so avoid the suffering caused by shooting innocent animals and birds - very Teach your childreent humd those of other people to "Be Kind to Animals."-Our
Dumb Animals. Dumb Animals.

A man must be both stupid and uncharitable who believes there is no virtue


Among the Beet Field

## THE FARMER'S ADVOCATE

"The Nation That Stood Between' By Mabel L. Stu
o broken-hearted nation,
Crushed by a murderous heel
0 land of desolation,
${ }^{\circ}$ O land of desolotion,
The ashee of thy glories
Are crying from the ground
Thy smouldering ho
Thy smouldering homes are calling
with no uncertain sound :
The wail of the weak and helpless
Is ring ong in wour ears ;
The sigh in of thy
The sigh of thy dying heroes
Has moved a world to tears
Treasures of Art in ruins,
Treasures of Art in ruins,
VVlleys and hills laid was
and
Aged, and poor, and homeless
Flowerg in anguisted haste
Flower of thy manhood lying
Where chill winds blow high,
A smile on the silent faces
Turaed to a lurid sky
Ah, smile, ye silent warriors !
God's good time draws neat
The moan of e poople's sorrow
Has reached His pitying ear
O broken-hearted nation,
Thine an undying name
Belgium stands emblazone Belgium stands emblazoned
$\mathbf{I n}$ shining halls of tame When thing black nighte of ho Rolls from thy nationhood And Peace ike a atragrant lily
Springs trom the field Springs from the field of blood,
Thine be the highest honor For in the final scene
Britain and France shall not forget
The coontry country that stood between

## A Carol

The little Lord Christ
Came down from the
Oh, the sown lrom the
But the Christmas The little Cord Christmas bells are ringing They' found Him no With oxen and sheep
Ho laid His she
 The Nittle Lord Christ Loved you and loved Their fires-and see it The Christmas angels,

## Little Jack Horner in

 Various Modes By E. Lyndon Fairweather (aged 17),It is a wall known adage that it not what you say but the way you sa it which really matters. This is
rather humiliating rather humiliating fact when we consider
the babies and sages oftimes utter the same truths, only the latter use a more complicated phraseology. I propose to
illustrate this by illustrate this by means of a well-known
nursery rhyme which runs a follows.

## Little Jack Horne

Sat in a corner
Eating his Christmas pie.
He put in his thumb
And pullod out a plum
boy am II"
uthis is certainly simple enough to be mean to show that the theme would not have been unworthy of some of our greatest poets.
For instance, suppose Tennyson had thought fit to ion introduce the subject of Littie Jack Horner into his "Idylls of
the King"' the pessenge the King" thy passege might have run
somewhat as follows:And so the lad, in simplest
Reposed him in an angle of arrayed, Upon a wooden bench of rustic form. Jack Herner was his name, and oftimes Reclined ${ }^{\text {he }}$ un
$\qquad$ , sersame bench, and But now he held, supported on his knees,
A dish of t coodly Aith nimble thumb, the tainest he sought Iruits.
And
having found, he drew it forth anon And having found, he drew it forth anon Good sir I wordsworth.
Let us now listen while Wordsworth Ins the same story:-
${ }^{\text {Paww a }}$ siltle cottage lad
His happy face it made me glad-
What is your name, my little bovp?
"Jack Horrer, sir," said he: His face lit up with childish ion

He put his thumb within the pie In search of pleasant food And said, when h had licked it dry
"Kind sir KIPLING AND BURNs.
Might not our present-day poet. $M$ re
Rudyard
Kipling,
have e expounded Rudyard Kipling, have expounded the same idea You can see Jack Horner sittin' in the with his litttle dish of puddin' on his If the diap dish you try to collar. then you bet your bottom dollar
That you'll find he ain't indulying in a That you'll find he ain't indulging in a For he hap shoves his little thumb in, when And he pears a person comin': And he picks the biggest plum that he "Guess poent situation: ass you won't find no one else as
good as me.. Robert Burns of that ilk might have written like this:-
Jack Hornar there, the bonnie lad A Sae 'tu' ${ }^{\prime}{ }^{\prime}$ joy a and peleasure, A wee bit ashet makes him giadHe's eatin' at his leisure
The noo he pu's a plim awa
And then he taks anither
And thon he tuks anim awa'
An' says, "Wore nather An' Bays, "Wo're nae sae bad, at a
The pie an' me thegither." milton and omar khayyam. Since we are in the land of supposi-
ion let us suppose that the Milton had condescended to to describe the doings of Jack in "L'Allegro" or "II

Come, heavenly muse, and sing to me In tones of passion, pure and free,
Jack Horner was the Who to corner he knave ycle And, like the guests in Circe's Consuming, spent a pleasant themer pown From Christmas pie of goodly hue He drew a plum, which, shone anew
As though from far Hesperides It took the apple's power to ple Then to Jove's altar loud he cried :
'I too am good. Let plums abide "I too am kood. Let plums abide !",
The next effort is with abject apolo The next effort is with abject apolo-
gieo to omar Khay omat and his im-
mortal "Rubaiyat"

FOUNDED 1866
Happy the lad (Jack Horner is hie Who follows not the misty path of But seizes what the moment offers him Nor questions where he goes, nor whence he came.
Some youths refuse the puddings of the day
And
wait for Christmas cakes in array; But hark the answer: "Fool, why dos Thy mother's going to give those cakes

O , sky, But draws a plum from out the present And, tasting of the goodly fruit, exI' faith, a food philosor Shakespeare.
The versatile Shakespeare might if he had wished have placed the following
soliloquy into the mouth of Hamlet.
A pie! A Christmas pie, and naught be
That's scarce a dish for princes, nor so
But Iare ask some relish to't: But
But 1 shoura ask some relis
That was the dish Jack Horner ate,
He lodged upon the corner seat, and
With thumb in dish the ever-luscious Which he consumed therean. To taste Which he consumed thereon. To taste,
to eat, To eat. perchance to choke!-Ah, there's For who can say the plum may not call The thousand natural ills that flesh is Yet Horner ate, and having eaten, still Yet Horner ate, and having eaten, still
pronounced himself contented with himThrice self. happy man, that thus proclaime Thrice happy m No slave of conscience, but is justifed


DECEMREE 10, 1914
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ke a coat, and worn as a separate garment or

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MADE IN CANADA

THE FARMER'S ADVOCATE. Our Christmas. By Julia Walcott. Mo didn't have much of a Christmas
My Papa and Rosio and Coct For mamand gone out to the prison
To trim up the To trim up the paor pris'ner's tree
And Ethel, my big, Was down my aig, grown-up sister
To help at the greallum all day
To turke diat o help at the great turkey dimner
And teach game She belongs
With angs to a club of young ladies
"beautiful objick" they is to go among poor lonesome child And $\begin{gathered}\text { ren } \\ \text { make } \\ \text { sant }\end{gathered}$ Ind Auntie, you don't kont She's my own papa's hall sister Kate,
She was 'bliged to bs round at the She was biliged to bs round at the
chapl 'twas Till 'twas,-Oh sometimes dreadfuly For she pities the poor worn-our curate
His burdens, she says, are so So she 'ranges the flowers and the music And he goes home around by our gate,
I should think this way must be the
But then, I I But then, 1 suppose, he knows best,
Aunt Kate says he in tones most splen And hisis name is Vane Algernon West My Papa had bought a big turkey
And had it sent home Curr Aut there wasn't a soul here to co You see Bridget had threatened to
If she couldn't go off with her cousin
(Ho doesn't She says she belongs to a "union"" And the union won't let her "submit
So we ate bread and milk for our dit And mor, reisins and candy, and then
Rose and mes wint down stairs to to Rose and me went down stair
To pantryr
To look at the turkey again
Papa said he would take us out riding $\underset{\text { For Rosie'd got cold and kept coughing }}{\substack{\text { dare } \\ \hline}}$ There was dampness and chills in the On the day so long and so lonesome! And our papa was lonsome as we;
And the park was dreary, -no sunshin And the park was dreary, -no sanshine
And all the sweet roses, -the toe, And the red ones, and ferns and carno ${ }_{\text {that }}$ tions That have made our bay window so
bright
Mamamats picked for the men at the Mamma's picked for the men at the
prison
To make their bad hearts pure and And we all sat up close to the window,
Rose and me on our papats two knees, Rose and me on our papa's $\boldsymbol{s}$ two knees,
And we counted the ear litle birdies
That were That were hopping about on the trees;
Rosie wanted to be a brown sparrow: But $I$ thought $I$ a woll rawn ther , by fat.
Be a robiii that fies awa Be a robiin that fiies away winters
Where the sunh andine and gay blossoms
are. And papa wished he was a jail bird,
'Cause he thought that they fared the best;
But we all were real glad we weren't
turkeys For then wéd been killed with the That night I put into my prayers,--
, ${ }^{\text {Darar }}$ God, wueve been lonesome to-day For Mamma, Aunt Ethel, and Bridget
Every one of them all went way.Won't you please make a cluh, or so
coty,
'Fore its time for Christmas to be, To take care of philanterpist's fam'lies
tike papa and Rosie and me?
Likn lity


Meeting an Emergency.
The charming wife of a French diphe
Wat had never thoroughl mastery
 LONDON

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Although it is claimed in some quarters that, owing to the very opposite is the case with business has dropped off,
Dus
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Sherlock-Manning cama Century Piano

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common onal oll, no odor emoke or
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THE FARMER'S ADVOCATE.


A Lighter Day in the Kitchen

A HIGH OVEN - You can imagine the joy of
 this iser adventage.
THE GLASS DOOR
THE GLASS DOOR-You watch the oven with
out opening the door-and without stooping. The Clear-dial Thermometer and Cooking Chart standing height.
A heated, Warming Closet, just over the oven-no Aeaching over steaming and sputtering dishes
A handy place to store pots âná pans-out of sight. A simple Lever to make Toasting easy.
A choice of spotless White Enamel or beantiful
Tile at back, and side of oven, Inside Pot-holes (2) for keeping in cooking odor-. Won't these things make "A Lighter Day in the
Kitchen" for you? And there is one more wonderfitchen for you? And there is one more wonder-
ful thing-a new Heating Principle. This oven heats very quickly. This is explained in our orent
camera - story of the High-()ven Peninsular camera-story of the High-()ven Peninsular.

## HIGH-OVEN

 Peninsular For Coal and Wood 4 outside potholes- 2 inside holes for shutting in odors of cooking. that did not
IIIGII-OV)


## A PHOTO

 STORYOur photographer has made a book of wonderful
interest to women look pictures of a real woman using the HIGH-
OVEN Peninsular HEN Peninsular - No
Hearer suggestions for lessening work on baking "A Lighter Day in the Kitchen' Weare printing enough We are printing enough
whive a copy to every
woman who writes for
one. Just on vou won' Nerlonk getting yours, and off the reminder and tahe the first opper-
anniey 'on wom it to Preston, Ontario


FOUNDED 1866
school house the real community club
house. The community music director
 picture man takes them to distant lands and industry. The Debating Department helps them to intelligent discussion and stimulates their interest. And the lecturer arouses the desire for individual
self-culture, which correspondence stual can satisfy. This is the process which takes place when the "university which are as many ppople taking university
courses in their homes courses in their homeses as as there are in
the dormatories and rooming-houses in
Madison. New me New methods for stimulating and sat-
istying the desire for things educationat are continually being devised. Adults
are now taking are now taking advantage, more and more, of the resources of the university
which their taxes support, and was primarily established for their child-
ren. If there is ren. If there is one maxim that applies above all others to University Ex-
tension, it is the homely phrase thats "one is never too homely phrase that
in this dearn." Adults in this day and age are havi." Adults a sec-
ond chance at an education. The disond chance at an education. (The dis-
tinct educational product of the
Twentieth Century, thus far ons then Twentieth Century, thus far, has been
the development of the machine of Tiniversity Extension, by which the of univer-
sity reaches out sity reaches out further and further into
the lives of the great majorit. to each some measure of that intellectual inspiration and that wider viell-
point which are fundamental to ${ }^{\text {life }}$

## Hope's Quiet Hour.

## disguise whed from page 2115.

unselfish love, if faith, patience, and star of hope through the darkness, wnt it leads us unto the Presence of Him
Wher Who came to light up the world with the
This is a practical matter. We can have a happy Christmas if we go about When Judson was once asked whether he had been more influenced by "laith" or
" "love" in going as a missionary to
Burmah, he said that there seemed the Burmath, he said that there seemed little
of either, but one thing did infuence him greatly. These were his words: : 'I was
almost almost disheartened, everything looked
dark, the way was dark, the way was not open, the field
was far distant and in an unhealthy climate. I knew no what to do. All
at once Christ's 'last command' seemed at once Christ's 'last command' seemed
to come to my heart directly to come to my heart directly from
heaven. I could doubt no longer, but heaven. I could doubt no longer, but
determined on the spot to obey it at all
hazards. hazards, for the sake of pleasing fhe
Lord JESUS Christ., Lord JESUS Christ."
What a simple yet beautiful rule of life. Let us try to please our Master. ot only on His Birthday, but all the year through. Then we shall find that
the spirit of Christmas is able to light the spirit of Christmas is able to light anxiety, Each dayes and aach, hour will
be offered to be offered to Him. Then He will not he Christmas guest, or writes only once a year, but Huest, or writes only once a
our day abide with us until ur day on earth is spent-and will $\mathrm{q}_{\mathrm{O}}$
out with us through the short darknoce out with us through the short darknese
into the brightness beyond. The prophet Jeremiah puts our desire into very beautiful words: "O, the
hope of Israel, the Saviour thereof in
time of hope of Israel, the Saviour thereof in
time of trouble, why shouldest Thou lie as a stranger in the land, and as a way-
faring man that turneth aside to tarry faring man that turneth aside to tarry
for a night? Why shouldest Thou he a Por a night? Why shouldest Thou be aa man astonished, as a mighty man that
cannot save? Yet Thou, o Lord art
in the midst of us, and we are called hy Thy Name, leave us not."
As a nation, we are called by As a nation, we are called by that
Name of Christ, but each of us must tind
the King for himself or herself. Our
Lord has many different ways of leadink Lord has many different ways of leadins
seeking souls-but are all need our Rosal
Friend, more and more clearly to each of us. ' Be it star, or cross, or radiant form: That symbol o'ershadowing
Shall be to each soul, as

$\qquad$ It sends out all sorts of travelling ex-
thinise and holds institutes with bakers,
teachers and then TH: WICIINE OF UNIVERSITY EX-


Treasure Ranges
are made to stand the test. "Othello" Treasure Cast Range.
"Sovereign" Treasure Steel Plate Range.
These are made specially for Farmer's use. Large Ovens and Firebox, powerful heaters.

For Wood or Coal.
Write for nearest Agent
or Booklet.
The D. Moore Company, Limited
hamilton, - ontario

"OTHELLO" TREASURE RANGE.


## Buy High-Grade Flour

$M_{\text {bread and pastry }}^{\text {AKE the best }}$ you've ever tasted. Prices of flour and feeds are listed below. Orders may be assorted as desired. On shipments up to 5 bags buyer pays: freight marges. On shipwill prepay freight we any station in Ontario east of Sudbury and south of North Bay West of Sudbury and New Ontario add 15 cents per bag. Prices are subject to market change
orders.


## Cream 品 West Flour the bard wheat flour that is guaranteed for bread

GUARANTEED FLOURS


Per 98-1b. bag
feed flours
cereats


${ }_{2.15}^{3.15}$
EEDS
Bullruab Bran
Bulruhh
Midaiin


Whate Corn::

Rarley Meal.
Oatmaline.
Geneva Feed (igiuabied Corn, Oats and Bariè)
Special prices to farmer's clubs and others buying in
The Campbell Flour Mills Company Limited
(West) Toronto

and PANS
When stubborn burnt-on crusts and grease
LOOSENS AND REMOYFS
THE HARDEST DEPOST
other uses and Full Directions
o.n Large Sifter Can- 10 c
EE WITHOUT IT

night, see themselves simply as Chris
tians, and the fine development of pertians, and the fine development of per
sonal character in the Catholic families
has made a deep impression has made a deep impression on this old
Protestant community. This recreative enterprise has been one
means oo recreating this old neighbor
hood. means of recreating this old neighbor-
hood. It has given to members of every
Camily family a larger whole to tive in. It is
just as necessary to have neighbors as just as necessary to have neighbors as
it is to have parents and brothers and
sister
 knowing him. There can be no kindly
feeling even in the teeling even in the household unless mem-
bers of the ousenold have kindly rela-
tions outside tions outside. Jesus rested the chris-
tian law on neighborly not on family
affection.
Recreation in the country does not need Recreation in the country does not need
to be sweaty. No yymnasium is re-
quired. The essential is talk and laughter, and frequent meetings, under Christian leadership. Such recreation is one
of the few most powerful means of social reconstruction. Dramatic entertainment can be used for good as well as evil,
especially in country life.-Country Church especially in country life.-Country Church
Series, Prestyterian Series, Presbyterian Board of Home Mis-
sions, U. S. A:

The United States has truly joined
hands with Canada in efforts to send little good cheer to war-stricken Europe,
during this Christmastide not only the soldiers have 1914, and bered, but the little children to whom Christmas means so much. "There is going to be a Christmas atter all,"'
The Independent, "for the cliidran?," be sure, not quite like other Christmases
with their gaily - decorated trees, their with their gaily - decorated trees, their
big wax candles or time-honored mistlebig wax candles or time-honored mistle-
toe, or the stockings and wooden shoes
put out for old Kris Kringle or sand put out for old Kris Kringle or Santa
Claus to fill, but a real Yule-tide never-
thell theless, with candy and nuts and toys and warm bits of clothing for the sur-
prised little folk on Christmas morning.
And it is American children and AmAnd it is American children and Ain-
erican mothers, thanks to the thought erican mothers, thanks to the thought of
one little girl, that are thus going to
play one little girl, that are thus going to
play Santa to their friends across the winter seas.
It was little Natalie Hammond that started the War Children's Christmas
Fund. After this grown-up little daugh
terd. ter of Mrs. John Hays Hammond had
struggled struggled through the big, awhward pages the newspaper to read af the
sufferings of the diminutive wer ref sufferings of the diminutive war refugees
in Belgium and France, she said to her mother:
"Mama. I don't want you to give me those poor children."
And because Mrs. sympathetic, generous - hearted was a
who understood other mothers who children, Natalie's wish fell tile ground." Since then from all over the country money and gifts have been
rolling together; girls and wond rolling together; girls and women have
been busy everywhere,-in women's clubs Sunday schools, in the theaters between acts, even in Blackwell's Island prison,--
all making gifts for the homeless little all making gifts for the homeless little
folk of Europe. One woman in Western New York sent 3 3o barrels of big red
pippins. TTe result is a shislog pippins. The result is a shipload of
good things, which will arrive in time to make many little hearts merry when
Christmas Day comes. There is no manufactory in the world Which is to-day as much a center of in-
terest as the Krupp Works, in Essen, Germany, whose development, alter the first few years, has been allost phe-
nomenal. In 1811, Frederick Krupp, on
nom nomenal. In 1811, Frederick Krupp, on
borrowed money, rented a stone building
and and began the manufacture of cast steel.
After his death the business was Ader his death the business was carried
on by his son Altred, with but indifferent
success


## cast steel weighing two tons, mate of semsation in the industrial world. In

ichest women in the world. In 1900 the elder of the two, Bertha, the chief shareholder in the company, was married who Dr. Gustav von Bohlen and Halbach,
who then received the right to be balled Krupp von Bohlen and Halbach. The ried, spends daughter, who is still unmarried, spends mucb of her time inspecting
he vast works, to parts visitor has-ever been admitted.
In addition to the ship-works, three coal mines have come under the control great works Companys. Last year the great works alone consumed $3,000,000$
tons from these mines. To accommodate the great number of workmen, "colonies" have grown up
about Essen, model settlements estababout Essen, model settlements estab-
lished by the Krupps, and libraries, schools, clubs, etc. Indeed, so comfortable are the employees and their families, and so high are the wages paid
that strikes have bee that strikes have been quite unknown ordinary number of workmen, ut, the
was increased to was increased to 75,000 . Naturally the
demolition of the Krupp works will he demolition of the Krupp works will be
one of the terms of peace insisted one of the terms of peace insisted upon
by the Allies in case they win out

Roads to Insanity.
The New York State Charities Aid As "criation has published \& pamphet.
Prevention of Insanity," whick shows that a large per cent. of insanity is entirely preventable, and comes from the former actions and thoughts of the
patients themselves. It is not inherited and not inevitable, but is the result of habits that need not be formed at all. For example, paresis, one of the wors
and most hopeless forms and most hopeless forms of insanity, is,
in nine cases out of ten, brought in nine cases out of ten, brought on by
vicious living. Over one-fourth of al cases of insanity observed in the State
hospitals of New York owe their mentat hospitals of New York owe their mental
derangement to alcohol derangement to alcohol. Overstrain and
worry are responsible for another of cases. Then there are many who go insane through "bad mental habits," which means excessive brooding upon
oneself, forming what is called among oneself, forming what is called among
alienists, the "shut-in personality." Down these roads to insanity ma people journey every year. There is nol
the slightest reason why except their reason why they should. except their own choice. No human be
ing is obliged, either by heredity or circumstance, to drink, to be vicious, to wnrry, or to concentrate all thought ob
self. Sin is the guide that leads down self. Sin is the guide that leads down
all these roads, for all these tendencies all these roads, for all these tendencies
are alien to righteousness. In these sad records of wrecked minds. the old Bible
warning that "the wages of sin is warning that "the wages of sin is

death," is driven home with startling | death," is $\begin{array}{l}\text { is } \\ \text { clearness. } \\ \text { driven home with startling } \\ \text { Righteousness is the health }\end{array}$ |
| :--- | of the soul-its "wholeness" or "holihess." Joy and peace and hope are the

mental tendencies that the gospel imparts. "For God hath not given us the spirit of fear," says the Apostle Paul, "but of power, and of love, a
of a sound mind." (A.V.)-Forward.

Mrs. MacDonald, who was giving a
supper to a supper to a very chic cousin from
Ottawa, had the misfortune to have her waitress fall suddenly ill on the very A green hand had to be pressed into ervice. All day Mrs. MacDonald drilled use of forks and spoons.
At the supper table, the cousin, talkpicked up the wrong fork on her righ She felt a touch, and the new recruit ork, whispered: "That ain"t the right quick 'fore Mrs. MacDonald sees you!'
With the boundless enthusiasm of
kind, the food faddist harenge kind. the food faddist harangued
mob on the marvelous results to
obtained from eating nut butter and
 "Friends," he cried, swelling visibly
and clapping his chest, "two years al"

News of the Week

Private Arthur william Watt a Jersey Islander who has been living in Toronto lor the past two years, but who went to
the front with the Royal Munster Fusiliers, for conspicuous bravery in avin the life of a French officer from drowning, under a rain of bullets, during the

Gift Furniture


Furniture Company, Ltd.. Loronto

## Cut Your Living Cost

Reprimeal Mill By using more PURITN pensive and less of the ex pensive foods,you can reduce your cost of living consider outritious ane four is more autritious and cheaper than any other food, according
careful laboratory fests careful laboratory tests.
Sunchen iuverizinem wheat of which samples are first Ubjected to an oven test. This test assures the housewife of a uniform product
PURITY FLOUR
More Bread and Better Bread
ceived no military any reason, have reports state that the officers of the Land-

## A Yule-tide Offering.

 Sgain the merry, yulale citide comed The pealing bells, the mistletoe The blazing Yule-log's cheer Proclaim the Christmas festival. In accents glad His praises singAnt
This peace prevail; it is most meer. That marks the marn The Prince of holy Day of days That all should dwell in bity, That earth should know no war may the white-winged dove of peace
Brood o'er us evermore ।

May each heart beat with quickenid lova For man and bird and beast,
Remembering Him who ministered Unto the very least
And humblest of our Father's and And humblest of our Father's fook.
Who marked the sparrow's fall, Who as a Babe was cradled with The cattle in the stall
And now as loving mèssage
And at the hospitable board
The loving-cup goes round,
What nobler girt to offer Him,
What nobler gift to offer Him,
To-day, with willing mind,
To-day, with willing mond,
Than grateful hearte filled with true love
For bird-benet Than grateful heart inlled with tr
For bird-beast-all mankind?

Trouble is hard to bear. is it not How can we live and think that any
one has trouble, and we could help them one has trouble. and we could he
-and never try? George Eliot.

I got this cup for runn
Whoja beat
and stx policemenn.
Our serial story, "Peter," will be con

| ail this |  |
| :---: | :---: |
|  |  |
| Coupon | Full Name |
| To-day | Full |

A Plain Talk to Men Who Read The Farmer's Advocate





GET OUR PATTERNS AND BE CONVINCED





CATESBYS Ltd.
West Wellington St., Toronto

## Make Your Wife Happy This Christmas

Have you noticed how the men have their binders, mowers, harrows, overlook any labor saving machinery for the house because they do not come in direct contact with it. Very few men realize the hard backbreaking work "Wash Day" means Very few men realize the hard backbreaking work "Wash Day" means
to a woman-just let them try to do one weeks' washing at the wash board then they would know.
You can easily save your wife all this hard work without it costing you " "1900" Gravity Washer Washig has borken own the hath of more pomen






促 hace or hanalerer



_ _ man off And mall trus cotron.

-     - $\overline{\text { V. Morkis, }}$ Manager 1von water


THE FARMER'S ADVOCATE.
FOUNDED 1866

## Make Over Your Clothes and Dye Them

When material is too good to throw away-make it over and dye it like new with

## 

This lis war time-be economical. 24 colors, 10c package "black 15c.-At your dealers or postpaid with booklet, How to Dye." Order to-day

Frank L. Benedict \& Con Montreal

When writing advertisers, kindly mention "The Farmer's Advocate,
Retiring the Work-horse That labor io life to the old horse
whose days and strength have been do Whose days and strength have been do-
voted to hard and continuous toil is voted to hard and continuous toil, is a
fact that is coming to be more frequenttact that is coming to be more frequent-
ly noted as the equine veterans are laid Iy noted as the equine veterans are laia
off and other methods substituted for horse power. It follows that the fairest and perhape most humane reward for
the old horse who has worked habitualChe oid horse who has worked habitual-
G hoold not be retirement to absolute
(dienese, but rether teet for him a gradual lessening and lighten ling of the labor to which he has so long been used.
Old Charlie was a gray horse who had
been active in the harness for third beears, active in therking in a harness for tumber-yard. $\left.\begin{array}{c}\text { thirty } \\ \text { The }\end{array}\right\}$ owner would not sell the farith thul old
fellow, but retired him the cellow, but retired him on a pension for
the rest of his natural life. He was
he eont reat of his natural life. He was
no a pasture, but instead at
 ground like a colt, he loked unhapy
In an idle life, and so he was. For thy In an idie life, and so he was. For they
took him back to his old stable in the city and to his old stall, and hee picked up in health and dpiritis at once. When
the other horses with whom her the other horses with whom he had done
his daily taeks went out to their work ln the morning Charlie out to their world
hatider tug at his halter and try to get away with them, and eo every morning they would put
his harness on him and let him put his harreess on him and let him go,
without cart or foad, anywhere he wanted in the
him with the Idea that he encouraged and alding the lumber business as busy
had done all his life. The work-horse absolute idleness atter long years of ser-
vice is not unlike the man who amiliarly and suddenly retired
active business life.
lot
 there not good groum, in thinking that ant
under $n$ natural cond old horse to and most welcome to the else than labor ? The nes been liittie bad their last bay. The oldathorse,
der the force o work, teachees el tremendous power
beauty and joy of

## It is Indeed

 In these darys of the High Cout if th.ten the following story is not without
decided point decided point.
The teacher of a primary class
trying to show the children the diftery
trying to show the child
between natural and ma
and was finding it hard.
and was , inding it hard.

A Crop-Saver and Money-Maker


II Inn a a Spramotor uniess we madrit






B. H. HEARD SPRAMOTOR, 106 King St., London, Canada

The Wizard who put Music into millions of homes.

AA you sit in your own home and listen to the stirring strains of a military band-or the liquid, luscious notes of a far famed singer-do you realize the thanks that you, and all other music lovers, owe to Thomas A. Edison? As you know, Mr. Edison invented sound-recording and sound-reproducing instruments. It was due to his genius that millions of homes are able to enjoy everything in music

It was duc to Mr. Edison's efforts that you-no matter where you live-may have the great artists, brightest public speakers risest entertainers, the

For mor he
For more than thirty six years, Mr. Edison graph and lidison Records.
The Edison Phonograph today - with its diamond reproducing point (requiring no needles)

- has a softness, a richness, a wealth of delicate overtones vety smoothness, ohtained with any overtones, that cannot be which must be chansed with using metal needles Yous ehanged with every record
You really must hear the Edison to appreciate
it to the full.
Thomas A.



An Undeveloped Spot. Deliver me, if you please, from the
dainty man. $\mathrm{I}^{\prime} \mathrm{ve}$ known a few big meat They all, without exception, hold the
little nicstied of sociel dainty arrangement of liviette and the ments very lightly. They hark back
easily easily and naturally to the primitive They could in ot be great if they did not
Th thing in them a rarge comprenensior
of that of things that accepts life as it in, mak.
ing them at home in the superfine quart ing them at home in the superfine quart
ers of the elegant hotel, in the million, aire's private residence, the cowboy')
ranch or the plain farmhouse of
and Mitdole west. Whenever a man becomed entirely devoted to luxurious ways
living hi is deteriorating.
What is the matter with women then ? What makee mem long for things, and
grow bitter and grow bitter and morbid because they
can't have them ?
Why does the cook want a willow plume, and the renter', wite on a farmume wish for he renteris
whoes shoes and lace curtains, and bitterly ree
sent it it her husbond sent it if her husband's employer's wife
doesn't make her her boon companion? spot in the temere is an undeveloppod soot in the female understanding-appe
cially in the undert can temale can remale who has ne
relative value of things.

Naming the Baby.-First I thought I'c call him Caesar; but my Uncle Ebenezer said
wasn't Juline said "T'll call him Homerr"" but my see.
ond cousin, Gomer manered. was a pauper, and he wrote his rhymes in vain." Long I pondereds worried stately, something proud and high and noble, such as ancient heroes bore. ""
shall call him Alexander-," but an in nocent bystander muttered '.. but an in tyrant, and he splashed around in gore." And my aunts said-"only trust us, ano We'll name him Charles Augustus, which
is prineely and becoming, and will end is princely and becoming, and will end
this foolish fuss." But my Cousio James objected - Nothing else can be
expected expected, it you give him such a handle,
but that folks will call him Cus.", "Let us call the darling Reggie," said my
cherrtul
sister Peggy, "which
is shor Tor Rex or Roland, or some other king tested." "Surely,", min Uncle George pro jested; never yet did youth named Reggie scale the shining heights of Tame. Thus it was for weeks together and oten wondered whether othe
parents ever suffered as $I$ did upon the rack. All $m_{y}$ uncles and $m y$ consine and my aunts gave tips by dozens, so
named the babe John Henry, and to short we call him Jack.
"I am not a Sufragette," cried an todignant witness at the West tond
rolice Court., "I am a respectable ma
ried woman."

DECEMBER 10, 1914
THE FARMER'S ADVOCATE.

## Gossip.

LIST OF SALE DATES CLAIMED. Dec. 16th.-Walter Bowley, R. R. No. Kerwood, Ont.; Ayrshires.
Dec. 16th. - F. Martindale \& Son, an Dec. $16 \mathrm{th}-\mathrm{F}$.
T . A. Dourtindale \& Son, and horns.
Dec. 22nd.-E. C. Gilbert, R. R. No. 7,
St. Thomas, Ont.; Holsteins. teins Deeders' Club, J. L. Counties Ayrshir Trens., Straffordville, Ont.; Ayrshires. Dec. 80th.-C. V. Robbins, R. R. No. 3
Wellandport, Ont.: Holstens Jen. 20, 1915.-A. Kennedy \& Sons aris, Ont.; Holsteins. Kennedy \& Sons, Fob. 12th. -P. D. McArthur, North

## Markets.

## Toronto

At West Toronto, on Monday, Decem-
ber 7th, receipts numbered comprising 3,327 cattle, 864 hogs, 1,521 oheop and lambs, and 164 calves. The market opened up strong, especially for
the best grades.
One load of 1,300 pounds each, sold at $\$ 8.40$; choice teers sold at $\$ 8.25$ to $\$ 8.40$; good common, $\$ 6$ to $\$ 6.50 ;$ cows $\$ 3.50 \$ 7$ 17; bulls, $\$ 5$ to $\$ 7.60$; stockers $\$ 3.50$ to ers unchanged, at $\$ 4.50$ to to $\$ 6.50$. milkHogs were 25 c . lower, $\$ 100$, $\$ 5$ to $\$ 10$. watered; $\$ 7.50$ weighed off cars, and 0.00 Y. o. b. cars at country points. dew of last week's markets Ofty and Uneceipts of live stock at the week were :

|  | City. | Union. | 1. |
| :---: | :---: | :---: | :---: |
| ${ }_{\text {Cars }}$ Cattle | 64 | 553 | 617 |
|  | 855 | 8,183 | 9,038 |

 | Calves $\ldots . . . . . . . . . . . . . . ~$ | 1,056 | 44 | 5,757 | 6,813 |
| :--- | ---: | ---: | ---: | ---: |
| Horses | $\ldots . . . . . . . . . ~$ | 14 | 491 | 535 | The total receipts of live stock at the of 1913 were : . City. Union. Total.

 Are you inclined to think that your thoughtless, and neglect to say "Made in Canada."? help now in Canada busy ike, but---

Say "Made in Canada" Yourself.
ot of the canners and cutters which mone
them less money, than for the the better
classes of medium and good. A pew lots
and load
and loads sold at $\$ 7.75$ to $\$ 8$ few and a
lew odd cattle of prime quality sold at
$\$ 8.25$ to $\$ 8.50$. Stockers and feeder
held se
held to $\$ 8.50$. Srime quality sold a
Stockers and feeders
her
held steady, at firm vackers and feeder
epringers were also in demand,
greaters and
epringers were also in demand, which was
greater than the supply, which caused
values to be high. The figures paid tor
themer
ty were not any. The figher, bures paid the fual
ty of the cous for which the high qual
vere paid wal
any higher, but the qual-
were paid was for which the high prices
Whan the wat and as it was
Wtle anme prices good
Not enough caid came for-


## "Let George Do It"

Is that your attitude in regard to insisting on "Made in Canada" goods? own purchases are so small as to be of no importance, or is it because you are

If you are, just remember that it is every Canadian's duty to
You, or you and your family, spend more than 55 cents per day ----yet that amount spent each day by cvery Canacian for "Canadian made" goods is sufficient to keep every factory and every workman

You see, your share is important. "Let George do it" if you

## Shorthorn Herd-headers

The young bulls we are offering at present are an exceptionally


Geo. Gier \& Son, R.R. No. 1, Waldemar, Ont.

## If You Have Cream to Ship

SILVERWOODS, LIMITED, LONDON, ONT.


DRAG SAW MACHINE
Our new Drag Saw Machine has all the best improvements. Is handy
saw quickly and do an enormous amount of sawing.
The best machine in large, heavy timber.
interested, write for descriptive leaflet.
THE M. MOODY \& SONS COMPANY, Terrebonne, Que.

THE FARMER'S ADVOCATE.

THE ROYAL BANK OF CANADA

## 5uma ieitio 5

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Accounts of Farmers Invited
Sale Notes Collected
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## double track all the way

Toronto-Chicago
Toronto-Montreal
Unexcelled Train Service

WINTER TOURS to
GALIFORNIA, FLORIDA and SUNNY SOUTH
The Grand Trunk Railway is the most direct
route from alt points East through Canada, via
Chicago. Detroit or Buffalo tion
FAST TRAINS-CHOICE of routes
F. Full particulars and berth reservations at

 week.
Butcher Cattle.-Choice steers and heif. ers sold at $\$ 7.75$ to $\$ 8$, and a few odd
cattle of catcle of prime quality brought $\$ 8.22$
and $\$ 8.50$; good steers and heifer to $\$ 7.75$; medium, $\$ 6.75$ to $\$ 7$; common
$\$ 6$ to $\$ 6.50 ;$ choice cows, $\$ 6.75$ to $\$ 7$
good, $\$ 6.10$ to $\$ 6.50$. good, $\$ 6.10$ to $\$ \$ .50 ;$ medium cows
$\$ 5.50$ to $\$ 6 ;$ canners and cutters, $\$ 3$. to $\$ 4.60$ bulls, $\$ 4.75$ to $\$ 7$, and a few
yearling bulls sold $\$ 7.50$.
Stockers and Feeders.-Market ctand Choice steers, 800 to 900 lbs ., sold at 75 c c. tor $\$ 2.75$ pér barrel; Ben Dovis $\$ 2.25$ per barrel Sovis

 Milkers and Springers.- Prices ranged ing, $\$ 7$ to $\$ 7.50$ per barrel; grapes, Cana-
during
 $\begin{array}{ll}\text { the bulk going at } \$ 70 \text { to } \$ 90 \text { each. } & \text { grape fruit, Florida, } \$ 2.50 \text { to } \$ 3.25 \text { per } \\ \text { Veal Calles.-Choice calves, } \$ 9 \text { to } \$ 10 \text {; box; limes, } \$ 1.25 \text { per hundred; lemons, }\end{array}$ Veal Calves.-Choice calves, $\$ 9$ to $\$ 10$;
good, $\$ 8$ to $\$ 9$; medium, $\$ 7$ to $\$ 8 ;$ common and grass calves, $\$ 4.50$ to $\$ 6.50$.
Sheep and Lambs. - Sheep, light ewes, $\$ 5$ to $\$ 5.75 ;$ heavy ewes, $\$ 3.50$ to $\$ 4.50$;
culls, $\$ 2.50$ to $\$ 3 ;$ lamb, choice light.
$\$ 8.25$ to $\$ 8.75 ;$ heavy lambs, $\$ 7$ to culs, $\$ 2.50$ to $\$ 3$ lambs, choice light,
$\$ 8.25$ to $\$ 8.75$,' heavy lambs, $\$ 7$ to
$\$ 7.80 ;$ cull lambs, $\$ 6$ to $\$ 6.50$.
Hogs.-Selects, fed and watered, $\$ 7.50$; Hogs.- Selects, fed and watered, $\$ 7.50$;
weighed off cars, $\$ 7.75$, and $\$ 7.15$ f.o. b.
cars. In several instances cars. In several instances we heard of
10.. more bing paid, but the bulk of
the hogs sold at the above quotations.
TORONTO HORSE There has been little doing on any of
the horse exchanges. The horses sold the horse exchanges. The horses sold
at the auction sale at the Union Horse
Exchange on Wednesday of light weights, which sold at $\$ \$ 0$ to to
$\$ 90$ each. An inspection of horses for
the Imperial Army wes en the Imperial Army was held on Friday,
when nineteen passed inspection and at prices ranging fromi $\$ 160$ to $\$ 190$
ate pare
each. Heavy horses, of which there are
few being sold just now, were reported
at steady values. BREADSTUFFS,
Wheat.-Ontario. No. 2 red, white or
mixed, $\$ 1.10$ to $\$ 1.12$, Manitoba, No. 1
northern, new, $\$ 1.24$, track, bay points
 Oats.-Ontario, No. 2 white, n
to 5 c.,. outside. Manitoba oats
59 Mc.; No. 3i, 57 c., lake ports.
$\qquad$
Peas.-No. 2, $\$ 1.60$ to $\$ 1.65$, outside.
Corn--American, new No. 3 yellow,
f3c., track, Toronto; Canadian corn.
82c., Toronto.
Barley.-For malting, 68 c . to 70 c ., out-
ide.
$\qquad$ Rolled Oats.-Per bag of $901 \mathrm{ls} ., \$ 8.1 \mathrm{l}$
$\$ 3.25$.
Flour.-Manitoba flour - Prices at T,-
 Oranges, Florida, $\$ 2.25$ to $\$ 3$ per box
California navels, $\$ 3.25$ per box; pears California navels, $\$ 3.25$ per box; pears,
25c. to 40 c . per basket; pineapples, $\$ 3.75$
to
$\$ 1$ to $\$ 4$ per case. Vegetables - Beans
$\$ 3.50$ to $\$ 4$ per hamper, beets bag: Brusselse sprouts, Canadian, 35 c .
basket: cabbages,
 to 85 c . per dozen; cucumbers, hot-house
$\$ 1.75$ to $\$ 2$ per dozen; onions, Canadian Danvers, $\$ 1.15$; lettuce, leaf, 20c. to to 30 c
per dozen; mushrooms per dozen; mushrooms, Canadian, 75 c
per 1b. : peppers, green, Goc. per basket parsnips, 60c. per bag; spinach, $\$ 1.25$ per hamper; pumpkins, soc. to $\$ 1$ per dozen
tomatoes, hot-house. 18c nips. 3nc. to $85 \bar{c}$. per bag.
 to fine stock was 6c. to to 6 6tc. per 1 lb .
while medium ranged
tron and medium ranged from $5 \frac{1}{2} \mathrm{c}$. to 6c.
and common sold down to 5 c . Butchers
cows and bulls ranwed 6 6c. per bulls ranged generally from 4c 4 c $\begin{array}{ll}\text { in canning stock. } & \begin{array}{l}\text { fair trade took place } \\ \text { The bulk of the stock }\end{array} \\ \text { onsisted of this. }\end{array}$ teady, per and prices Sheep and lambs were sheep, and $\tau$ to $\bar{i}$ c. . for lambs. Calve ranged as usual from about $\$ 3$ to $\$ 10$ the weakness in the price for hogs. Supphies of hogs were more liberal, and
prices ranged from 7 c . to $7 \frac{1}{\mathrm{c}}$ c. per lb.,
 Horses,-Dealers quoted heavy drapt
horses, weighing from 1,500 to 1.700 lbs, at $\$ 225$ to $\$ 300$ each; light draft,
weighing from 1,400 to 1,500 lbs., $\$ 150$
to $\$ 200$ each 150; broken-down, old animals $\$ 125$ to 150; broken-down, old animals, $\$ 75$ to orses sold at $\$ 300$, to $\$ 400$ each. Hessed Hogs.-Abattoir-dressed, fresh T. it.: country-dressed, at 10 alc. to 99 c . 11 1). for turkess: 114 ce to 14 c . to for chicken
ndt ducks, and 9 c . to 11 c . for geese an 1 fowl.
Notatoes.-Choice (ireen Mountains wer



fine, 20 c . wool, washed. coarse. 26 c . ine, $20 \mathrm{c} . ;$ wool, washed, coarse, 26
wool, washed, fine, 28 c . fruits and vegetables. Receipts of fruits and vegetables, do-
mestic and foreign, have been liberal for mestic and foreign, have been liberal for
the past week, especially of the latter. Prices ruled as follows: Apples later. dian, Spy, $\$ 1$ per box, $\$ 2.75$ tes- $\$ 3$ anabarrel; Russett, 85 c . per box, $\$ 2.50$ per barrel; Talman Sweet, 75 c . per box

## Sale Notes

We collect or discount sale otes for farmers.
Notes left for collection are and the makers are or butifed the due date. When paid, the money goes to
your credit without any trouble on your part.
We shall be glad to furnish you
with the note forms free of charge.

> The Bank of Nova Scotia Capital and Reserve $\$ 17,000,000$
Total Assets $-\quad \$ 80,000,000$ otal Assets - \$80,000,000 BRANCHES OF THIS BATs in every Canadian Province, and
in Newfound land, West Indies, Boston, Chicago and New York

ing. such as Farm Properties, Help under this head
 Cash murds always accompany the order Nounted
 F.ARM to rent-First, class farm, clay loam, 165
 lass man with means need anply For portirich-
ars address R. W. and M. G. Ballah, R.R. B, SR $T^{0}$ RENT Oakville, few minutes from town and Nidd property, at low rental to one one who will
evelop it beest. References necessary; possession
arranged Feather \& Maturess Co... spruce st... Toronto. $_{1 / \text { ANTED at once for small dairy farm-Farm }}$
 $\frac{\text { and }}{\text { TANTED- }}$ A farm of from 150 to 200 acres

FARM FOR SALE
Ohn Fisher \& Co., Lumsden Bldg., Toronto.
Kingston Road farm, west of Bowmanville, 113
 John Fisher \& Co., Lumsden Bldg., Toronto


THE FARMER'S ADVOCATE.
2133


BY AUCTION! G. Sons of Pontiac Korndyke and G. Daughters Wednesday, Dec. 30th, I9I4 I will sell by auction 20 HEAD - $\mathbf{1 5}$ FEMALES and 5 YOUNG bULLS, nearly all of them yearlings and younger, g. sons and g. daughters of the great Pontiac Korndyke, and out of R. O. M. and R. O. P. dams. You will
get them at your own price, for I am forced to sell, and there never was a etter bred nor a better individual lot sold under the hammer in Canada促 B. Perry Mo C. R. and Marshville Ci T R at fonwick Station, T. H. TERMS: 9 months' on bankable paper, with $6 \%$

COLLVER V. ROBBINS
Wellandport, Ont., R. R. No. 3


Free

## Royal Purple Stock Specific

 What we daim for our Royal Purple Stock Specific, thesreat farm animal conditioner and fatterer:In oonditioning and fat and ring harteres:- you can do more
in four wecks by using our Reval Purpes Stock specific than you could so in in using our Roval Purple Stock Specific than with this Stock Specific you have never been able to tarten
belore. Try it on the worta animal you have on y your place. Ahle to the wath gain from two to five lbe of milk per day Wile min tie stabe by using our Stock Specific. by worm can fation spectific.
and Youtter pan market plese one month earlier and have larger and bettur pige, therebsy vaving a month's labor and lated Oor market. will be oufficient to develop aix to eight pigs Une thio winter and dearir sporing, an it will make them animest hine hard Witter food properly, and a great deal less atort tume you can keep your animals in just
and evod condition by using twoothirds the an sood condition by uoing twouthird yust
 thin will keep your horeaes in frrt-class condition
all durnaz the winter eason and bring them all during the winter meason and bring them
out fat and seleek for the farm work in the spring.
 people all over Canada who have used our
ptock and poultry remedies and foods. Mithren. Mapea, of Bondhead, gays, "AAter experimenting
 trying Royal Purple Stock Specific, maying in wise don my
from the others. I $I$ keep ten to twenty horese and about the Trom the others. 1 keep ten to twenty horeses and about the
eme of cattle. This Specifc, in my opinion, is coertainly in a clase be it teeff as as conditioner and it is the best II have ever uesed.'


 you make the highest clase conditioner on the market."
Dan. McEwan, the veteran trainer of fast horses, says,

 Malcolm Grey, of Komoka, says, "In reearard to the market.'

 On the eecond lot I Id did not use any Roval Purple and whe the eame age they averaged orly y 150 Royunds. They were the wame bread and one lot had as sood a chance as the other.
We have fed Royal Purple Poultry Speite excellent reaulte. I would not like to Specifc also with excelent realt tab
Purple in in the stable.
Put up in 50 . package
contain four 50 c . packeage

0 COCOD STOCK AHD POULTRY SPECIFICS
STOCK AND POULTRY SPECIFICS ADE IN CANADA BY CANADIAN CAPITAL

We will give absolutely free for the asking to any farmer, stock or poultry raise poultry, Tells how gives the common diseases with sympt a poultry; tells how poultry houses; how to avoid ails manner or diseases of both stock and and poultry remedies and foods we manufacture. milk; explains fully all the high-class stock
"It's a Hen's Business to Lay-
Royal Purple Poultry Specific





 Mr Lyman A. Whituan, New. Albany, N.S.S.fetates he hat
 men rit Fauld, of London one of the largest "ahow bird"
 abooutly at difierent timese severe maseock roup have cured

## FRE

Royal -Purple Sweat Liniment Will cure all ionts of lameness, sprained tendons, etc.

 8 ounce bottle 50 c c, by mail man
aic

## Royal Purple Gall Cure

 Will absolutety cure scratches, in four to five days, will eurohay out your harese
tacalds and sorea. You do not thave to

55 . and 50 C per tin, 30 C , and 80 C . by mail.
Royal Purple Worm Specific Deetroys the worms and larvae, thereby eliminating the mum


Royal Purple Roup Specific
Will cure all the common diecoges of poulup
sand
and typoup tyoid Peveranker in ot owelled head, diphtherib

 pachazee and 81.50 tins. Theme tins contain four of the 50 c.
packagee.

## Royal Purple Calf Meal

You can raise calves on this meal without using milk


 Wininipeg. log. for 84.25 prepad to any place in Canada east of Doultry remenedies mufacture the (oullowing high-class stock and

## Royal Purple Cough Cure

 Will cure an ordinary cough in four dqua, break up andcure distemper in ten days.



 Royal Purple Disinfectant



Royal Purple Colic Cure
 \$1.00 per botter, by mail $\$ 1.15$.
You Can Order Direct- We will enclose enouss,


Food For Thought

Royal Purple Stock and Poultry Specifice
Made in Canada by Canadian Capital
ANY, London, Ontario

## 60

Consignment Sale of pure-bred
head Ayrshire Cattle
60
HEAD Wednesday, December 30th, 1914, at 1 p.m.


 Joun Mcke, President

Imp. Shorthorn Stock Bull for Sale



Look Out For
The Imperial Life Assurance Compan!
big advetitsement in next week's
issue, entitled
Who'd be a Scrooge?

## - minatruar 10, 2914

The Spice of Life. "Do I make myself plain r", ehouted Theved to lot her arguments, sink in. "The zoord dide that, for way long "Tive just ifgured out how Venus do Hilo came to lose her arms.
"thit broke them off trying to button ber bhirtwiot up the back.
Anxious Old Lady-"I say, my good
man, is this boat going up or down $?$ " ann, is this boat going up or down
Dockhand-"Well, she's a leaky old mem. So I shouldn't wonder if she was
going down. But then agdin her bitiers going down. But then again, her be'tilers
sin't any too good, so she might go up."

The following announcement concluded an account of a wedding in a small
Hasenchusetto town:
"The bridegroom's gitt to the bride "The bridegroom's girt to the bride many handoome diamond brooch, besides

## the full solemnity.

At a negrod wedding, when the clergy-
man read the words, "love, honor ay obey," the bridegroom interrupted and "Read that again, sah 1 Read it once
mo', so's de lady kin ketch de full oolemnity, ob de meanin'. I's been mar-

The colloge professor, greatly beloved because of his kind heart, but very ab-
ment-minded, visited his married nicce and eent-minded, visited his married niece and
llatened to har praise of her fret-born When she paused for breath, the profed cor felt that he mast say something. "Can the little fellow walk 7 " he asked "Wath every appearance of interest. "Why, he's boen walking now for five $\stackrel{\text { months."" }}{\text { "Dear }}$ me 1 " exclaimed the professor, "What a me long way he oxlaimed the professor,

The little, mild, bald man, had settled down in the train to read, and, feeling
drowsy after a trying day at business, lell asleep. On the hat-rack above was lng the edge of the rack, it fell, elight $\operatorname{lng}$ on the little man's shoulder, and
grabbed his oar to steady yhite grabbed his ar to steady itself. Ror the developments, but all they heard
was: "Let go, Sarah 1 I tell you I've been
at the oftice all the Two French-Canadian citizens of a river in that state travelling down of them knew the river and the other They anchored for the night on a bar.
Along toward daylight the cratt went adritit. Three haurs ther, that motion
awome awoke one of the travellers. $\begin{gathered}\text { He poked } \\ \text { his head out of the door. } \\ \text { An entirely }\end{gathered}$
 "Baptiste I Baptiste." he yelled. "Get Hus comrade roused himself and looked ""No, by gar '", he sald-"we're twelve
miles trom here !" A young German who wished to be en
Hasted in the navy, but was unable to apoak English, was being coached by ail Lifer.
apector here, my man, when the in-
and apector comes to you he will ask you
how old you are. And you must say
no

 for de gun !"
Cohen-" "Sold
"Sonny, can you tell me where your father is?" asked a stranger of Tommy
Jones one day. "'Out in the pig can tell dad den,", came the reply on.
The man who's always punctual
Must soon learn to wait,
Because the man whom he's to
It usually late.
For then you can look grim and toll your friends how much you Superior to him.
Mrs. Randall had just finished instructing her new girl, who came to her
from an intelligenceo-ffice. Her genera appearance pleased the mistress greatly,
and she felt sure that succeeded in finding a prize. in "And, Liezzie, do you have to be called in the morning ?" she asked as an after"I don't have to be mum reple 1 new assistant hopefully, "unlese you just happens to noed me."
"No man is as well known as he thinks he is," says Caruso. "I was car broke down, and I entered a farm house to get warm. The farmer and chatted, and when he asked my name
told him modestly that it was Carus. At that name he threw up his hands. Caruso, the great traveler I expect ever to see a man like yer in this here humble kitchen, sir!" " yer in
The principal grocer of a small country town was chatting with several to the wonderful sense of touch that the Henry Perkins, now,"" said the grocer We took a scooptul of sugar and ext tended it to the old man. "Feel this Henry," he said, "and tell us what it the scoop, passed its contents through
bis fingers, and said in a firm confident his fingers, and said in a firm confident
tone, "Sandl"

She was bubbling over with th Christmas spirit. She could keep it it no longer. "Dearest," she exclaimed to
her husband, "I just can't wait till Christmas to tell you what I've got you or a present." "Woll," replied "the got you a new rug to put in front of my dressing table and a bronze statuette or the parlor mantlepiece," she blurte give me ?", what are you going "Well," he replied, contemplatively, "I safety razor."

A tourist in Scotland came to a wide lerry. It was stormy, and the wind
was constantly increasing. The Scotch was constan agreed to take the tourist across, but told him to wait until he had first taken a $c o w$ over. When he had returned and started
across with the traveller, the latter be came curious. "Will you tell me why you took the low over and made me walt ?" be asked.
"Weel, now," explained the ferryman "You see, the coo wur valuable, and I feared th' wind wud increase so th' boat
might upset on th' second trip." Boys are men that have not got as big as their papas, and girls are women that will be ladies by-and-by. Man
was made before woman- When God
Wored was made before woman. When God
looked at Adam, He said to Himsell: "Well, I think I can do better if I try
again." And he made Eve bo much agath. An Adam that there have been more women than men. They wear out
Boys are a trouble. Boys are a trouble. They wear way
everything but soap. If I had my way
nalf the world would be girls and the half the world would be girls and the

Watson's Ensilage Truck No. 34


Made in two sizes-20 and 25 bus. capacity
John Watson Mfg. Co. Limited, Ayr, Ontario

## LAND TILE

## 3, 4, 5, 6, 8, 10 and 12 Inch

We manufacture, and carry in stock, the best land tile in the above sizes. Write and get one of our booklets on farm drainage free. The Dominion Sewer Pipe Co.

Swansea, Ontario

## White Wyandottes

AVING added Dr. Nicolle's entire flock of choice White Wyandottes to our own carefully-bred pens, we are in
position to supply selected birds, not related, at $\$ 6$ per trio. Extra pullets or hens $\$ 2$ each. Some of the cock birds
used last spring were from McLeod Bros., Beulah Farm (layused last spring were from McLeod Bros., Beulah Farm (lay-
ing strain). Many of the hens averaged 170 eggs in pullet
year. All orders will receive careful attention. Address :



Uif Tiilid Javes SmartMfg.Co. ItD.Brockville.ont.






Miscellaneous.

## 1915

## Wheat rear

The call has gone out for wheat. More land under wheat is the report from every section. Every bushel that can be raised will have a dozen buyers.
Make your land produce more to the acre Feed your soil the fertilizer it needs for wheat. Do you know what that is?

You can learn without ex- when you write, and we will
pense. Our "Bumper Crop" pense. Uur "Bumper Crop", not only send lyou a wiree
Book has complete tinfor, book on fertilizing, but
mation a bout fertilizers. mation a bout fert ilizers. much to use for each crow There is a corpycr for you,
FREE. Mention this paper answer any questions you may ask about yuurs special
needs.
(4)

Gunns Shur-Grop
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Monarch Gasoline Engines
Grain Grinders, Ensilage Cutters and Saw Frames


10 in. Grinder and 8 H.P. Hopper-cooled Engine Made in canada
Dear Sirse-- Frost \& Wood Co. Clifton, N.B., Nov. 4th., 1914,




CANADIAN ENGINES |LIMITED dunnville
FROST \& WOOD CO., Limited
Exclusive sales agents East of Peterboro, Quebec and the Maritim. Good live agents wanted is

Hay.
I have a young Scotchman 29 years old working on my farm at 2t. Joors
and he tells me that in Scotland othy hay or clover yield about six ton to the acre.. Is he right about this?
Ans. - It is possible that a yie'd of thi
magnitude may be had in scol
Symptoms of Hog Cholera.

1. What are the first symptoms of
hog cholera ? 2. 1 have two pigs which weigh ahout
150 pounds. corn and swill, and water to drink They have ben running about a pasture
field, but for the last four days they lie down and sleep and will days they lie thing , but sleen and will not eat any-
a very small. aluanlity of milk. As soon as $I$ get hem up
they lie down again. $I$ have never had
 Ans.-1. The early sympto. J. L. Ans. 1 . The early symptoms are not
characteristic of the disease, and may not enable a definite opinion to be be
formed. ${ }^{\text {The }}$ hof 1 oses its partly, or altogether, is sluggish, disinclined to move, and if compelled to do
go may so may cough. These symptoms occur-
ring among hogs in the vicinity outbreak of hog cholera should be viewed
with suspicion, and the nearest veteriwith suspicion, and the nearest veteri-
nary inspector should nary inspector should be notifed at once.
The sick hogs soon become thin and weak, walking with a staggering gait, especially with the hind legs, but the
hogs may die in a few days, before they hogs may die in a few days, before they
have had time to lose much flesh. The have had time to lose much flesh. The
skin trequently beeomes red in patches. the color turning deeper and more purplish as the disease advances.
patches usually patches usually occur inside the legs,
under the body, or behind the ears may be seen anywhere. The eyes, dids
charge mucous secretion, and the lids charge mucous seretion, and tye dids
may be gummed together by it. The
The may be gummed together by it. The
bowels are generally loose, and a pro-
fuse diarrhea fuse diarrhea may occur, although oro-
some cases there may be constipation some cases there may be constipation.
The sick hoog generally goes of by him-
selt. seif, and is found lying in a quiet cor
ner of the pen. If compelled to yet he does it un. If compelled to get up,
back arched and nisy, stands with his back arched and his belly drawn up, or
moves in an weak, stagering manner,
and may fall over and may rall over. A sick hog seldon
shows all the syinptoms previously de
scrived
 Usualy one or two of the symptoms ar
well marked, such as coughing and rapil
breation breathing, or diarrhea and tucked up ap-
pearane, or reaness of the skin and dis-
charge trom the eyes havge from the eyes. The symptoms
have been described at some length, so that the farmer may be on his guard it
any of them are noticed any of them are noticed, and call in the
inspector before the infent to spread. There is infection has time
in the severity of the aiference
insease in various outbreaks. Sometimes it is of a severe
or virulent type and rapidly or virulent type and rapilly tatal. In
other unt
recorery treaks the type is
mild,
and recovery trequent. The latter type may
be considered just as dangerous to the community as the former, as it is mor
difficult to detect, and the recouen are apt to spread the disease farear hogs
wide Wide before it is recognized.
our Stoo hog cholera has
vour noimhoot Your neighborhood, it would beared in
call the inse to see the pips. The sympe ask have hin
not sulficient to enable us to given are not sulficient to enable e st pronounce
definitely as to to the
dicate che cholera.

## The Alabastine Co., LLtd, of Caledonia, nnnounce that they have imonto

## Mule Foot hogs. which hores do paif not

 maturity weigh from 400 to 600peunds These hogs can be seen by in
ferested parties

Gossip.
The W. Ewing writes that, thanks to "The Farmer's Advocate," he hank to sold
 Ewing's advertisement; he has stid Monr. good young bulls, heifers and young
cows for sale.
ports ales being sold and also all the surnll rams A number of good Shorthorn bullis have. been sold, among them being one to
John McK enzie, John Crawnord, Rosseauw; one to to W. Whitelaw, Guelphs one to Wm. Cowan number of good. Gaundhouse has still a three Uppermill Omeza calves, including choice Lavender, and three from heava Silking dams, all to be sold cheap
$\qquad$
"Some cows from glengari Among the records collected by the some from Glenawa, this season are average yield of 155 cown to the
 herd of 9 cows inat is the yield of one old that averaged 6,209 pounds 3.5 test, 205 pounds of fat,
duced will be noticed that this herd pro pounds of tounds of milk and 48 155 cows. Another herd average of the pounds of fat, or 61 pounds per co above the average; with fat reckoned at
thirty cents per pound to over eighteen pound, this is equivalen tive of the thousands of dollars extre that might be coming into a district it the cows were keyed up to a higher pro
ducing lever ang level.
e large neable feature of this section is two and three year olds. But it it om only the heifers that olds. But it is is not lowering the average yield. There are gave only six to ten years old that pounds of fat as compared milk and 102 average of 4,540 pounds of milik and 159 pounds of fat.
So that ins
eighteen dollars, it of contrast of only is an actual rifference of of over forty-one cows in the same period ed from mature a statement strong enough to cours every dairyman to examine closely into he perlormance of each cow he keeps.
Milk records are easily kept posite recoras are easily yept and a coups
milk cample from
each tenth day's mill can be tested once a month. Is not
this worth doing? are supplied free my the Died records sioner, ottawa; write for them.

A farmer in the country last autumb gave a job to a seedy-looking ind invium
who had applied to him and who ao sured himp that he himever and who ar tired.
When the When the employer went to the field Yound the latter lolling on his back upner a tree. Whint doeser. "This mean ?" asked the who never got trirad ?"
"I doun't," celmere a man
responded the "I
tramp.
don't.".
"This
calmly
doeenn't responded tire me."

In was never glad for this impediment in my specoh but once," said the man
from the country who was in to see the $\stackrel{\text { town. }}{\text { t.When was that }} \eta^{\prime \prime}$
Feefellow asked me how much
would take for $\mathrm{a}-\mathrm{a}$
hore r-I was t.trying to tell pounds, he offered me 1 -fifty;'
Old Scotchwoman-"."The last steak ${ }^{\text {I }}$
got frae ye I could hae soled ma bocta got trae y y
wi'
it." Butcher-"And why did ye no dae et tr"
Woman-"So I wid if I I could hae kot the pegs tae gang through it."

Visitor-"Are you having any troublee io find work for the having any trouble
Uncle Eben-"Nope. unemployed here*
Our trouble hero

## Ideal Stock Food

Ask yourself the question, should I feed my stock pure food? Does
seem strange, that as far as we know, we are the Stock and Poultry foods guaranteeing our foods free from poisonous druss beides we guarantee as good results as any food upon the market. If you are not satistied, after a fair trial, your money will be cheerfully refunded foods. By analysis, we have the best; there is no mistake about that

Ideal Stock Food will increase quantity and quality of milk will Fatten your hogs will condition your horse
will condition your sheep. will condition your sheep.
condition. Try it and convince yourself.
Ideal Poultry Food is giving satisfaction as no other food is, Mr. Curtis of It surely is a conditioner and a great egg producer. Mr John Ennis of 30 Blythe St., Hamilton, captured 3 first prizes only showing 3 birds, they were raised on our Ideal Baby Chick Food; and from six weeks old, on our
Ideal Poultry Food.

Mr. Wm. Moore, the most noted breeder of White Orpingtons on the made a clean sweep at the Orpington Club Show held at Hamilton, Nov., 1914 in connection with the Hamilton Poultry Show, says, he never saw anything
to equal Ideal Poultry Food for bringing birds through the moulting seaso By using our foods you decrease the when feeding Ideal Stock Food you need not feed Cotton Seed Meal or Oil Cake Meal. By using our poultry food you need not feed scrap meat or
green bone.

These are salient points and worthy of your consideration
If you cannot get our goods at your nearest dealer, write to us and we
will see that you are supplied. Will forward pamphlets on request.
We hereby offer $\$ 200.00$ (Two Hundred Dollars) to anyone w Red Ochre or any other poisonous druck Antimony, Jimson Weed

IDEAL STOCK \& POULTRY

When writing advertisers, kindly mention '"The Farmer's Advocate"


Questions and Answers Miscelladeous.

Fertilizers and Ration for Dairy Cow of about eight acres. It has been out to pasture for a number of years, but $\begin{array}{ll}\text { spruce. } & \text { I intend to sow oats on it next } \\ \text { spring. } & \text { What fertilizer would give a }\end{array}$ how much should I use per acre it pay to try nitrate of soda at the 2. What is an easy way to make a
balanced ration for a dairy hay (not the best quality), turnips, and
oats cut green, with a small of peas mixed, I am buying some bran,
oil cake, and cotton-seed meal ? Ans. -1 . We would feel more like a hoed crop on this field, and that is
what it deserves, but if oats suit the What it deserves, but if oats suit the
circumstances befi, no doubt the land is
yet in suitable she When one figures the value of the ferti-
lizer and deduct lizer and deducts it from the grain crop
of one year, it does not leave the same
pleasing on a hoed crop the year previous. How-
ever, some of the fertilier ever, some of the fertilizer will remain
in the soil for the succeeding crop, and must be charged up to thateeding crop, and
certain extent to a certain extent. Barnyard manure,
course, would advertise itself on suc
land, but foit mend a mixting that, we would recom-
soda, 250 ibs. nitrate of bs. muriate of potash per acre. It wit be practically impossible to procure pot-
ash salts, in the spring, and it would be Well to look about for some hard-woor
ashes. Good hard-wood ashes will run
abo toin somer cent. potash, but they con-
toine somposphates, and are almost
pime. $500 \mathrm{lbs}$. of ashes per acre to act as a
substitute eor the 70 tbs. of muriate of
potash. as much per acre as is recommended, bu Th "The Farmer's Advocate" sell a grad

## Wayne Steel Tanks

not buy wooden tanks or build concret nes until you have investigated the WA YNE STEEL TANK.

The WAYNE TANK is moderate in price and has twice the life of a wooden tank and many advantages over cement.

No fuss or muss. Use it in the barn to-day and to-morrow put it in the yard ind freezing weather has no effect on them.

If your dealer does not handle the WAYNE let us hear from you direct

Wayne Oil Tank \& Pump Company, Limited
Woodstock, Ontario
you would do well to acquaint yourself
with their terms 2. We have figured this ration con-
siderlng that the hay is as good sidering that the hay is as good as
ordinary mixed hay, and that the oats
and peas and peas are such as are ordinarily
grown. I\& they are below the grown. If they are below the average,
the protein content of them will be be
low what we have figured, but low what we have figured, but on the
average we consider that this we advise, will mensure up to the stand ard we have "given it. We consider tha
cotton-seed meal is a better investment able oil-cake meal, owing to the reason-
able price of cotton-seed meal. In this pound advise 10 pounds of hay, turnips, 3 pounds of bran, 40 pounds of of cotton-seed meal. A large cow will only contains 21.77 pounds of dry mat
ter ter. This is not 21.77 pounds of fod
der, but what remains after the molsture is removed. Some cows will consume 25 pounds or over, but for the general
run this amount will suffice. tive ratio of this ration is one to nutriwhich is considered plenty narrow enougb mean a dairy ration. By narrow, we along with the carbohydrates and proteln to make a ration which when belng consumed will not be wasteful in any of
these constituents.
c. A. Powell's hampshires and LINCOLNS.
Attention is directed to the edvertise
ment of Hampshire swine and Lincol sheep, the property of C. A. Powell, F dress. No. In Ettrick, Ont. Note the ad"Ingersoll,", but Mr. Powell is on ade rural route, Ettrick, No. 1. His pigs
and sheep are also No large number also No. 1, and he has a to suit any pocket. Look up this add
vertisement.

Sandy (newly arrived in the Canadian rorest-land --"Whatna beast's yon ?"
Native-"A young moose." Native-"A young moose."
Sandy-"Och, haud yer tongue 1 If
hat's a young moose, I'd like to se

CLEAN YOUR STABLES
The Superior Way


Is it your daily experience to push out a wheelbarrow over a
plank through a sloppy, muddy
barnyard, taxing your strength plank through a sloppy, muddy
barnyard, taxing your strength
and your patience, taking four and your patience, taking four
times as long to do the job as it

THIS IS THE OLD WAY. GET POSTED - LEARN HOW A BOY GAN CLEAN SUPERIOR WAY
The Superior Litter Carrie Outfit is the most complete on the market, embodying the most modern practical ideas of the leading stock and dairymen of Canada. There are 23 special features in my Superior Carriers that I want
you to know about before you install a carrier. Every man who keeps
stock should have a Superior Carrier Outfit. If you are interested I want
you to write to me, and I will
you to write to me, and I will
tell you how reasonably you can
install my Superior Carrier, that install my Superior Carrier, that
will pay for itself before the winter is over in time saved alone. Look at the comparison, the
Old Way and the Superior Way, Olde saye man the Superior Way,
the out five
times as much times as much manure et one time and doing it quicker a
with very little exertion.
Write for catalogue now to
GEO. P. MAUDE, Manager


Superior Barn Equipment Co. Fergus, Ontario


C without meat food any in in the natural laying seasonmore than butter can be summer-hens pick up bugs
made without cream. If you and worms. These contain are not getting eggs, it is the necessary protein to mak because you are not giving eggs. In winter. Shur-Gain
your hens the material they
need to produce them. Grains and green feed are (worms). natural meat food

Gunns Shur-Gain
Beef Scrap



Witit or coper peata


Points for Egg Producers
In a recent issue of The Journal of
the Board of Agriculture appears an article explaining the duty of the producer of eggs in order that the demand may be maintained and increased. So
significant are they we are repr significant are they, we are reproducing
excerpts trom the advice given that our excerpts from the advice given that our
readers may benefit by them. The consumer unconsciously plays an important part ion fxiously plays an
for the standard
for trat crade eges for the frst-grade eggs. Popular pro-
judices may not always be supported by judices may not always be supported by
scientifc tact, but, as the consumer is scientinc fact, but, as the consumer is
ultimately responsibe for the demand.
the producer will find it to his advanthe producer will find it to his advan-
tage to study public requirements caretage to study public requirements care-
fully and endeavor to meet them as lar fully and endeavor to meet them as lar
as iies in his power. The interval between the time the eggs
are laid and the time they reach the are laid and the etime the reace react the
consumer should not be more than three consumer should not be more than three
to five days, according to the season of to five datys, accorting to the season of
the year. It older than this sthey must
face comptition with face competition with foreign supplies, and have lost a measure of their new-
laid ouality
with thins laid quality, With things as they are
at present, delay in marketing is trace at present, doleay in marketing is trace
ate
the toaler or retailer as well a the producer. Unless the poultry-keeper
delivers his evgs to privet delivers his eggs to private customers
he loses control of them atter he loses control of them arter they have
passed out of his hands, but he can at least ensure that hat his, responsible tor for
no part no part of the delay.
The egg sh should be not less than 2
 equal in nutritive value to those o
large size, but the consumer has an undoubted preference for the tatter. In
shape it is is desirable shape it is desirable that the eggs
should be neither too long and narrow nor too wide and short; provided, however, the shell in even and not abhormal
this does not greatly matter this does not greatly matter. The shell
should be strong and devoid of hany should be strong and devoid of any
roughness. $A$ thick shell may mean that the proportion of sheile may mean
total meilight is lesa than to to total weight is less than when the shell
is thin, but this is more than compen is thin, but this is more than compen.
sated tor by the tact that there is less evaporation, and the transport qualities
are greate. are greater. Roughens of the shell is is
undesirable, as in autumn and winter it undesirable, as in autum and winter it
generally denotes preservation by by lime generally denotes preservation by lime
water. The bright, shiny coating of the egg known as "bloom" should stillt be present.
While of may be true that the aphrec it may be true that there is no
appreaty greater value in eegga with apprectaily greater value in eggs with
tinted shells the consumer usually
pre ters them to those having white shells,
and the producer would the and the producer would, therefore, in-
clude at least a proportion of tinted eggs.
While
it is important that eggs should present, an attractive externat appear-
ance, their actune ance, their actual food value can only
be determined by an examination of the contents. Examination should sliow a small air space at the broader end of
the egg. When an ery nir egg. when an egg is new-laid the increases in size every day. The con-
tents enould be clear and tree from tents should be clear and free from-
spots representing spots representing moulds, or dark areas
showing development of the germ or When broken the white and yolk liga ments should be strong and firm, and
the yolk round age or a "stanle" egk. The best thates are reddish-yellow in color, and not pure
yellow yellow. If boiled before it is more
than three to han thre to five days old the white
does not thicken to the extent will later, but remains milky and flaky Finally, it may be said that infertile
eggs are to be prefered to those have been fertilized. Nests should be sulicient roomy, dry and clean. They should removable to facilitate cleaning, and the
nesting materint nesting material should be renewed tre
quently, esperially if it becomes wet or
sooled. soiled. If, in spite of every precaution
dirt has collected on the
 slightly dampec, but not wet, cloth mat be used. It is desirable to to limewast
the the nests trequently, to rid them of
parasites. The eggs should be collected at least
once daily; in warm, moist weather twice daity is in wrefrable. moist weather
not be bey
Thent in
should th) the sumin a hot room or exposed
larder or well-ventilated cellar would be
suitable

 substances, and to rapidrong-smelling
when improperly stored When improperly stored.
All
abnormal Arge, abnormal egss, doubleyolked,
should
small, dirty
and
cracked large, small, dirty and cracked eggo
should be utilized for home consumption
 moist weather they may undergo partial great mass ond, in any case, form the The male birds should be removed directly after the close of the breeding
season. The practice of holding back eggs the hope of obtaining a higher price is against the intengly condemned, and in egaryst way. Eggs should the producer at least once a week; if the highest class trade is to be secured they must
be marketed three times be marketed three times a week in
spring and summer, and twice a weelk spring and summer, and twice a week in
winter.

A Source of Potash. Fruitgrowers and gardeners will ro gret the dearth of potash manures during
the coming eral farmers, but it usually works ond around a fruit farm that the prunin and trimming will supply a small amount of ashes which may come eery handily on some crops that require course no grower cunt of potash. of trimming and pruning there may be that the orchard to supply the potash, but Chey are so valuable under the present conditions that they should not be
allowed to go to waste The experimenters at Rothameted England, one of the oldest established experiment stations in the British
Empire, took this matin Empire, took this matter up and carried and trimming of hedges to find our what the potash content of the ashzo from such trimmings would be. The mean percentage of three experiments as high as 13 per cent. potash. The twigs and branches of plants are much as most people know hardwonk, and, are more valuable than ashes from soit wood. They also contain phosphoric acid, and a considerable amount of car-
bonate of lime. bonate of lime. However, taking it for
the potash content alone these ashe would have been worth 50 cents pe Cwt., as potash in the form of K2O was
worth
5 worth 5 cents per pound. It would
probably be valued at a higher figure at probably be valued at a higher figure a
the present time, and give them an in creased value. In a recent artccle Prof. Harcourt
writes that the ordinary writes that the ordinary run of hard
wood ashes, well cared for, will contain about 6 per cent. potash, and this together with the phosphoric acid and
lime gives them the value of $\$ 8.00$ per lime gives them the value of $\$ 8.00$ per Con. It can be seen then that where
anything is to be burned the ashen should be preserved, for potash is very scarce and very much needed.
It should be remember the desired ingredient will howickly leach from the ashes. In the Rothamsted experiment the ashes were allowed to romain out over night, and during that
time . 09 inch of rain fell. It was found in the morning that one-hall of the potash content of the ashes had been lost. Consequently, immediately after burning and as soon as they can
be moved they should be put where it ts dry or spread upon the land where they are to be ased as fertilizer.

Geo. Amos \& Sons, Mofrat, Ont., write:
. Our herd has entered their winter Our herd has entered their winter quarbunch of voung thinge coming an including several grand young bulls that are fit to head any herd, and with the best of breeding, some others suitable different ages." See their advertise
Stranger-"Upon what plans are your stranger-"Upon what p
ity institutions conducted Citizen-'A sort of let-

## Livingston Brand Oill Cake Meal

It Will Pay Anyone to Give Our Digestible Meal a Trial
enly men who worry about their live stock are those who don't feed

OUR
OIL CAKE



THE FARMER'S ADVOCATE
FOUNDED 1866
ingredients, Misead with the slop the
oil meal forms a sticky combination
which prevents the meal from setlling and. thus gives a uniform mixtlure.
Without oil meal or milk in miter Without oil meal or milk in mixture.
the other feeds will the other feeds will settle rapidly to the
bottom of the pail or barrel, forming thin slop at the top and a thick slop at
the bottom. Oil meal the bottom. Oil meal always serves an
important function in the animal body. important function in the animal body;
it regulates. the digestive organs, gives a quality to the skin and hair
that otherwise cannot he securren that otherwise cannot be secured.
The farmer who has skim milk, clover
or alfalfa, and grows corn, will or alfalifa, and grows corn, will need to
purchase but little feed for his swine.
Middlings purchase but little feed for his swine.
Middlings, oil meal, and tankage are valuable nitrogenous feeds, and should he
fed as fed as supplements to corn. of course,
too liberal feeding of corn growing periods is injurious. the early for the first six to injurious. Usually, weeks after
weaning, it is not best to mel weaning, it is not best to make corn
more than one-third of the grain ration. more than one-third of the grain ration.
When the pigs are five months old, the amount of corn may be increased gradu-
ally, and then after two months of feed ing, and to the end of the fattening
period, corn may period, corn may form from 60 to 99
per cent. of the entire ration. composed of 75 pounds of of corn on the
ear, 15 pounds of wheat ear, 15 pounds of wheat middlings, and
10 pounds of oil meal is combination or or fattening awine. Ground
atisactor or soaked rye or ground barley can ra place the corn with practically the same
results. Skim milk is always a splendid feed quantities to form available in sufficient the liquid in any of the above part of
oil meal need notions. oil meal need not be fed. One hundred
pounds of skim milk are somet pounds of Skim milk are sometimes con-
sidered equal in value for pig feeding to one-half a bushel of corn. Although not
considered as good for young pigs but considered as good for young pigs, but-
termilk is equal to or better than skim termilk is equal to or better than skim
milk for fattening swine. Whey, when it
does not contain does not contain too much water or
washings, has a value for pig feeding usually considered less than one-half that
of either skim milk or huttermilk. of either skim milk
consin Bulletin 242 .

The bull illustrated in the advertise ment of Griesbach Bros., Collingwood,
Ont., in this issue, is Pontiac Norine
Korndyk is
Korndyke 18773, at twelve months of
age. He is now at the head of this big
herd. See the adve

## Horses Need

some tonic, when barned up in winter, to supply the deficiency of exercise and green food.

## INTERNATICHod\&(E)CKFOOD

is a mixture of roots, hews,
horse and gives him new life and a glos $y$ coat of hair. and healthy. It is the best think you can give hair. Makes them strong
trouble, coughs, influenza, hide for indigestion, liver trouble, coughs, influenza, hide bound or lloon trouble and it brings a
horse through the winter in top-noteln condition for International Stock lood Tonic is equally grod for horses. cattle,
hogs, sheep, ete. It is guarinteot to make cows give from one io
more quarts of milk cvery
 ener and a great aid to better higestion and a assimitation. It is not to tak-
the place of grain but is to be mixed with
 where in 500 . and \$.00 packages athl 25 pound pails. FREE-Write
giving cause, sympt

International Stock Food Co. Limited
Dept. P
Toronto,
Canada



## ELECTRIC LANTERNS

No fire-absolutely safe for children-turn̄on and of
instantly The "BEER
a strong white

 postpaid for 82.50 . An excellent Chrisent complet.
Order from Mail Order Department of present
THE MASCO COMPANY, Limited 58-60 Church Street Toronto

## PERCHERON

BELGIAN, CLYDESDALE, SHIRE
and standard - bred stallions and mares From 3 to 5 years old. Percherons black and gray

We are offering the finest lot of imported stock we ever had in our barns. These horses were brought over in 1913, and having arready passed
a winter in Canada, are in excellent condition to do good service. We give them plenty of exercise and no sloppy feed. They are the kind that wins in
 exhibited \$at Three Rivers, Quebec City, Sherbrooke and Ottawa, winning
23 firsts, 9 seconds, 3 thirds, 2 fourths, 8 championships and 3 silver trophies
valued at $\$ 50.00$ each.
We guarantee our stallions all foal-getters, having been in the service
last season. All the mares safe in foal now. Parties needing a good stallion will do
and Pelgians will be very scarce in the near future.
Prices reasonable and terms to suit.
Grenville is, midway between Montreal and Ottawa on C. P. R. and
N. R. Three trains daily from each of these cities.
J. E. ARNOLD, Grenville, Que.

Ten Thousand Miles With Dogs.
From one of the most informing and
fascinating books of northern travel ever written, entitled, "'Ten Thousand Miles
 Aasraska, by Hudson Struck, D. D interior Alaska, by Hudson Stuck, D. D., F.R.G.
S., archdeacon of the Yukon, a heroic
Church of England Church of England missionary among men of that desolate land, we make the
Rollowing extract tollowing extract regarding "the good
dog Nanook".
the death of old nanoor. "We knew naught of it until the ne morning, when, breakfast done and the
fled lashed; we were ready to blec lashed; we were ready to hitch the
dogs and depart. They had been put in the horse stable for there was no dog
dog house; they were loose in the morning and came to the call, all but one-
Nanook ther and Nanook. Him we sought high and low.

end at last Arthur found him. but | What pitiful case ! He dragsed himself |
| :--- | slowly and pasefulyy alongs, his poor

bowels hanging down in the outer pild of his belly, fearfully injured internally,
done for done for and killed already. It was the dificult to account for it. When
themses came in at midnight, one of them had kicked the dog and ruptured
his whole abdomen. There was no use In inquiring whose tault it was. no use
dogs should have been chained so dogs should have been chained; so much
was our fault. hary surgeons in the world could hav try; and there wat there was none to try; and there was only one thing to
do, hate it as we might. Arthur and I were grateful that might. Arthur and do it, for the driver of the mail stage sho had some compunctions of con-
science. I think. volunteered to save us


THE FARMER'S OPPORTUNITY
Great Britain is depending largely
Grain Catttle and Food sutfs in general.
Cetet ready for that int outfitting your horses with VENTIPLEX you have pare work with sore shoulders caused by ill-fitting cour horses cannot pads are ventilated and allow a free circulation
of air under the collar which keeps the neck dry of air under the collar which keeps the neck dry
and comfortable.
You will be able to You will be able to work your horses every
day, an advantage you will appreciate when the rush starts.
Your dealer should have them, if not, we
will gladly tell you where you can buy them Your dealer should have them, if not,
will gladly tell you where you can buy then.
A booklet awaits your request; address Dept. The Burlington Windsor Blanket Co., Limited


 arem tom
















 lation thoust tho witater but onow ot






 wow, and we never shoepped finally to
make camp but he lifted up his
There There was something curious about that.
Only two nights before, when we oven unable to reach the hearlh we had
owing to wind-hardened drifts rith
owither across the trail thardened overturned right the
heavy sled again and again, swing the gee pole as one would, and had swing the
several times in the growing dusk to in
spect a spot that seemed to spect a spot that seemed to promise a
camping place, Arthur had
that Namemarked
that Never spoke that Nanook never spoke undil temarked
was reached on which we decided to to
 were there in sufficient quantity, I do
not knum-or whether he got his cue
nom the tones of our vice-but he never

THE FARMER'S ADVOCATE.
FOTHENED 1866
FROM FACTORY DIREGT TO YOU.

HOUSE\& BARNPAINTS
No MIDDLEMAN'S PROFIT. Hercules Mixed House Painte- $\mathbf{\$ 1 . 2 5}$ gal. has built a reputation for reliability than paints sold at \$2.00. Will not blister or scale. It is noted for its durability, greater covering capacity and smooth-work-
ing qualities.

Hercules Barn Paints- 75 c . gallon
for painting bars fenes Yor painting barns, fences, corn cribs, roofs,
etc. It works easily, has good covering city, will not corrode, blister, crack or peel. Waterproof paint that dries with a high
glose and sheds wee glose and sheds water like glas
Guaranteed Satisfaction. Write to-
day for color cards.
H. \& G. WILLIAMS COMPANY 121 Simcoe Street - TORONTO.
 TORONTO AND RETURN
FARE AND ONE-THIRD From Stations in Canada, Kingston,
Renfrew and West thereof Good going P.M. trains December 10 and all trains December 11 and 12. Accoiunt " Toronto Fat Stock Show." All tickets valid to return up to and including December 14,1914 . $\xrightarrow{\begin{array}{c}\text { Full particulars and tickets at G.T.R. ticket } \\ \text { offices. }\end{array}}$
$\underset{\text { Union }}{\text { C. E. HorNing, Dist. Pass. Agt. }}$ Station,

## Lower Your Feed Cost



Cottonseed Meal Now cheaper than for years
Owl Brand,
Dove Brand, $4178 \%$ protelin Din Our booklet, Sclence of Feeding, free
on request. $\underset{\text { Established } 1875}{\text { F. W. BRODE \& CO., Memphis, Tenn. }}$

Established 1875


Hampshire Swine and Lincoln shee
$\begin{array}{ll}\text { ages; from imported stock. }{ }^{p} \\ \text { R. R. No. } 1 & \text { C. A. POWELL }\end{array}$
Poland China and Chester shite and Shorthorns, many are winners and thi, ,h,
duce of winners at Canadas best shows h, th.
moderate. Geo. G. Gould, R.R. 4, Essex, Out


the dog's voice.
"I I could almost tell the nature of any Nanook's bark. Was it the tone of Indian dog prowling round the camp;
was it the distant howling of wolves was it the distant howling of wolves;
was it the approach of some belated traveller-there was a distinct difference in the way he announced each. I well remember the new note that came into his
passionate protest when he was chained passionate protest when he was chained
to a stump at the reindeer camp, and the foolish creatures streamed all over the
camping-ground that night. camping-ground that night. To have
them right beside him and yet be unable to reach them, to have them brushing
to him with their antlers while he strained helplessly at the chain, was adding insult to injury. And he kept me awake
over it all night, and told me about jit at intervals all next day.
"'The coat that dog had was the
heaviest and thickest I ever saw.
his back the long hair parted in the
middle, and underneath the hair was fur
and underneath the fur was wool. He and underneath the fur was wool. He
was an outdoors dog strictly. It was
only in the Was an outdoors dog strictly. It was
only in last year or two that he
could be induced voluntarily to enter could be induced voluntarily to enter a
house; he seemed, like Mowgli, to have house; he seemed, like Motggli, to have
a suspicion of houses. And it he did come in he had no respect for the house
at all. When first I had him he would dig and scratch out a dog-house on the coldest night, if he could, and lay him-
self down comfortably on the snow. Cold meant little to him. Firty-six,
seventy, seventy, below zero, all night long at
such temperatures he would sleen quite contentedly. The only difference I could see that these low temperatures made
to him was an increasing dislite to him was an increasing dislike to be
disturbed. When he had carefully tucked his nose between his paws and adjusted his tail over all, he had gone to bed,
and to make him take his nose out and to make him take his nose out of
its nest and uncurl himself was like throwing the clothes off a sleeping man
He never dug a hole for himself in the snow. I never saw a dog do that yet. In my opinion that is one of the na-
ture-faker's stories. A dog lies in juse-aker's stories. A dog lies in snow
just as he lies in sand, with the same preliminary turn-round-three-times that has been so much speculated about. We
always make a bed for them, when it is Very cold, by cutting and, stripping a
few spruce boughs, and they highly preciate such a couch, and will growl
and fight if another dog tries to and fight if another dog tries to take it. They need more food and particularly
they need more fat when they lie out at
extremely extremely low temperature, and we seek
to increase that element in their rations by adding tallow or bacon or bear's grease-or seal oil-or whatever
ous substance we can come by


He was a most independent dog was
Nanook, a thoroughly bad dog, as one would say in some use of that term-a
thief who had no shame in his thievery, but rather gloried in it. If you left
arything edible within his ingenious and
comprehensive reach he regarded it as comprehensive reach he regarded it as a
challenge. There comes to me a ludichallenge. There comes to me a ludi-
crous incident that concerned a compan-
ion of one winter journey. He had carefully prepared a lunchey. and wrapped it
neatly in paper, and he placed it for a neatly in paper, and he placed it for a a
moment on the sled while he turned to
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Cost of Living Reduced
that is as far as your livestocl in concerned, in fact you cammot enk actually reduce the cost of feedings but in addition, increase thie butter increase the growth your cowsyour cattle, sheep and pigs-and your cattle, sheep and pigs-and of your horses.
All this can be accomplished by sinmply feeding regularly GENUNNE


Remember there are dozens of molasses meal preparations on the market but only one MOLASSINE genuine.
Scientifically prepared and protected by patents.
Put up in bags containing 100 Ets. Get Molassine Meal is write us direct. makers to keep in good condition for
any length of time.


The Molassine Co. of Canada, Limited Montreal St. John, N.B.

Toronto

## HAMILTON'S Champion Percherons

We now have on hand the greatest lot of Percheron stallions we ever imported. Winners and Champions at the Leading Shows
Two to five years old. Black, grey and dapple-grey in drafty, heavy-boned type, with the best of feet and legs. We are in a position to offer selections from the largest importation of Percheron stallions made to Canada
this year, and the last this year, and the last to leave France before war was
declared declared.
Anyone interested in securing a Percheron stallion with the best of quality, size and breeding should arrange
to see our horses befto to see our horses before buying, as we are sure that wc
can more than suit them

Our terms ar tide
Our terms are liberal, our guarantee the most satisfactory, and our insurance policy protects from loss of
any kind. kind
We invite correspondence from all interested in the stat lorcheron horse, and advise buyers not to delay
too long, as the supply this year is limited, as it is im. possible to import morc at peesert is limited, as it is imA visit to sot present,
A visit to our stables will be of great interest to all
R. Hamilton \& Son, ${ }^{\text {The perponeer }}$ Situd. Simcoe, Ont.

SHIRES, SHORTHORNS AND LINCOLNS




Lenoir (4443) $\begin{gathered}\text { (102974) three-year-old } \\ \text { Exhibition, } 1914 \text {. Percheron stallion, first prize Toronto } \\ \text { Weight } 2,020 \text { ibs. }\end{gathered}$

## PERCHERON Stallions and Mares

The largest importation to Canada this season. Although the war has stopped all importations of horses, our prices and terms are the same as usual.

Write for large illustrated catalogue

## HODGKINSON \& TISDALE

Beaverton, Ontario

STABLE YOUR GATTLE THE SUPERIOR WAY


If you intend to build or remodel your barn this coming year, NOW IS THE TIMF TO GET POSTED on the most modern stabling for stock, a stable that will save its cost in six months, stable that will cut you chore work squarely in two nil make what is now a drudgery a pleasure. A stable that s sanitary, fire-proof, convenient, comfortable for stock. ill last for generations, will prevent big knees, abortion and disease. Learn about the seventeen special patent feature in Superior equipment, found in no other make

WE LEAD --- LEARN WHY When at Guelph, make it a point to see SUPERIOR EQUIP IIENT in actual use at the New Dairy Barns at the Ontario lericultural College.


## CLYDESDALES <br> 20

IRBER BRO
BER BROS. $\quad: \quad \therefore \quad$ GATINEAU PT. QUE


## Get Your Horses in Condition to Command the Top Prices

$\mathrm{H}_{\text {so mes }}^{\text {ORSES hever have been }}$ so much in demand as buyers are only interested in sound horses-sound horses sound horses-sound horses
bring good money. It will bring good money. It will
be money in your pocket to
keep your horses in keep your horses in good con-
dition, and if any are lame or blemished get them sound now.

My booklet, "How to Remove Blemishes," is free for the asking. It recommends

cause this is the famous preparation
for about a quarter of a century, and I believe it been making and most effectual liniment you can use. ABSORBINE is safe and pleasant to use-it is made of
herbs, and does not blister or remove the hair-horse can be used while being treated. In addition to being a liniment it is a powerful antiseptic and germicide, which doubles its efficiency and uses. Applied to sores, cuts and boot chafes it prevents infection, kills the germs and promotes rapid healing.
 Use ABSORBINE to reduce Burseral purpose liniment
Thoroughpins, Puffs, Shoe Boills, Capped Hocks, Swoilen Gilands,
Infiltrated Parts Infiltrated Parts, Thickened Tissues, Rheumatic Deposits, Enlarged veins, Painful Swellings and Affections; to reduce any strain, or strengthen any part that needs it. Your drugist an spoply you with Absorbine or I will send you a
botte postpaid for $\$ 2.00$. Write me if you have a case requiring special
directions or about which yout
W.F. Young,P.D.F.,

## Great Combination Sale SHORTHORN CATTLE

Sixty Females, Sixteen Bulls
Being the entire Plaster Hill Herd, the property of S. Martindale \& Son,
Caledonia, Ont. edonia, Ont, and twenty head from the Spruce Lodge Herd
the property of W. A. Douglas, Caledonia, Ont FAIR GROUNDS, CALEDONIA, ONTARIO, Wednesday, Dec. 16, 1914
tion and breeding. Nearly all the thost nearly sixty years' careful selecsented: Mina, Duchess Strathallan, Bessie, Victoria, Roan Lady, Snow Beauty, Pansy, Daisy, Louisa, Lavinia and Lady Jane strains make up
the majority of the animals. Many of the females have qualified in the Offcial Record of Per-
formance, and a number are still formance, and a number are still running. Our records already made,
range from 5,004 pounds for heifers, to 11,641 pounds for adult cows for range from 5,004 pounds for heifers, to 11,641 pounds for adult cows for
the season.
While While many of our breeding females show great milking persistency,
we can assure the public that excellent Shorthorn we can assure the public that excellentes Shorthorn type prevais sthrough,
out the entire offering, and include a number of show-ring individuals. out the entire oftering, and include a number of show-ring individuals.
They all go on ecember 1 bth, and if you want good foundation. cows,
or a young bull or a young bull to thead your herd, come and get it at your own price. TERMS: Cash, or ten months' credit on bankable paper at five per.
cent. per annum.
Sale to Commence at $12 o^{\prime}$ Clock Sharp Catalogus now rady. Apply to
F. Martindale \& Son, or W. A. Douglas, Caledonia, Ont., R.M.D. Caledonia, Ont., R.M.D $\underset{\text { Welby Almas, Brantford, }}{\substack{\text { Capt. T. E. Robson, Lond }}}\} \quad$ Auctioneers.


## "THERAPY"

A Complete Portable "Veterinary Drugs Pharmacy
A remedy for every disease, with full in-
structions as to how to use each remedy, Price, by mail, $\$ 4$, sent direct on receipt of price.
CONSULTATION by letter answered free of charge by our VETERIN Our "CEREALINE," by $15-\mathrm{lb}$. pail, the best TONIC; its use will make
your horse more vigorous, Were more vigorous, and of a bright appearance. Price $\$ 1.25$ per pail kind, let us hear from you, and we will quote at very low price. Write for literature.

Agents wanted.
The National Stock Food Co. Limited OTTAWA

ONTARIO
1914 Stallions--CLYDESDALES--Fillies 1914

$$
\text { Smith } \& R
$$



THE MAPLES CHAMPION HEREFORDS ad. also females any age


[^2]

## Traveling Cattle.

## Along the dusty, noisy street we pass, Footsore and weary, stumbling orer the

 In surumer's alike, Obedient to the whiplash and the barkof watchtul dog. When noonday eun Upon beats and we forn fain would reat awhile Beneath some grateful shade, or lave at In some will cool stream, we must pres. Because we are but cattle and we block The busy street. Granted we do, inYet not of our accord we travel thus We love the quiet fields where limpid Await our cager lips, and where, knea We can stand peacefully with switching Nor match tails, our hoof-beats to the deafening roar
it switt electrics and wild touring cars. But since 'tis man's decree that through
the streets the streets
Our weary, toilsome way we must purShould not humanity devise some means Whereby our sufrering may be assuaged?
Some fount beeside the Some fount beside the road where all,
in turn,
Colld dip our nostrils would new courTo fare us onve our way. oh, when you $\underset{\substack{\text { fare } \\ \text { see }}}{\text { to }}$ on way. Oh, when you A drove of us patiently stumbling by,
In sumumer sunshine
or throush ice s.t.
Rem winshine or through ice Temeenter we are travellers unused By IIelen M. Richardon, in our luumb

## Cook-And sez I, "I think IIll find an-

 Friend- What did the missis saCork-She


|  | SafeSound \&Inexpensiv |
| :---: | :---: |
| T14 | anexpensive |
| foru | E |
| 25 ¢ | 5 |
| The copn | comen |

SAVE-THE-HORSE
*) (EJ After Doctors Give Up
 "Couplo of years ago at Clarks
burg, W. Va, I had a horse with
19 Years a Success







## DR. PAGE'S ENGLISH

 SPAVIN CURE
 Page \& Son, 7 and 9 Yorkshire Road, London
E.C. Mailed to any address upan receipt o
price.



Gossip. R. b. Pinkerton's Clydesdales horses have had breeders of Clydesdale
success as as same measure of success as has attended the meanorure of $R$
B. I'inkerton, of Essex, Ont., if success
i. B. P'inkerton, of Essex, Ont., if success
is measured by the number of awards
earned in the show-ring earned in the show-ring, for certain it is
that few, if any, breeders of Clydesdale have won so many of the highest award
as has Mr. Pinkerton, and princi as has Mr. Pinkerton, and principally on
animals of his own breeding. Toronto
Guelph, London Winn Guelph, London, Windsor, Detroit, and
many other shows of lesser importance
have alt have all contributed largely to the tuc-
cess of his Clydestales. Practically all
of his younger prizewinnerg of his younger prizewinners acte the get
of his noted sire, Imp. Keir Democrat
[7018] (12187) [7018] (12187). Few stallions the breed
has ever produced have been so po prohas ever produced have been so pro-
nounced a success as a sire, carrying the
best blood of the breed, and himself. well-balanced combination of the big size, quality kind of bone. He sired many winners in Scotland, and very many in anada, but to him should not be given stud, for the dozen big, quality, imported
brood mares with which he is used have brood mares with which he is used have
some claim for the excellence of their get. For this season, Mr. Pinkerton is offering several extra choice two- and illies. Be sure and see them before
buying. BERKSHIRES AND SHORTHORNS AT For many ELMMURST,
For many years Berkshire hogs and tios in purebred stock breeding on on the
Elmhurst Farm of H . M. Vanderlip, at ainsville, Ont. During those years M. Vanderlip has made many importations
of Berkshires from England, thereby
strencer strengthening his herd and infusing new
blood. Greater length and more depth has ever been his standard when making
his selections for breedind his selections for breeding purposes. To-
day in his Berkshire herd are nine im-
ported boars, and every ported boars, and every one of them
shows a remarkable length and perfection shows a remarkable length and perfection
of bacon type, the old- fashioned, thick,
short type, having been entirely eradicated by systematic selection and breed-
ing. Bred ing. Bred for many years in the old
Land on strict family lines, this herd represents the noted Violas, Highcleres,
Comptons, and Augustas, lines that Comptons, and Augustas, lines that
stand at the head of the best in England. The chief stock boar in service is
the Violet-bred Suddon Torredor (imp.), a hog of great length and scale. Second
in service is the Augusta-bred Augustus in service is the Augusta-bred Augustus
3rd (imp.). With these two choice sires,
Mr. Vanderlip can supply not -akin of either sex. On hand just now are a
number of both sexes, from breeding age down, a number of young sows being al-
ready bred. Mr. Vanderlip reports trade
as exceedingly good, his shipments going as exceedingly good, his shipments going
to every Province in the Dominion,
The herd of Shorthorns is represented
, by the Rosalies and Estelles, both pure
Scotch, but excelled by none as the ideal
Scollorne are big, dual-purpose Shorthorn. They are big,
heavy cattle, and right good milkers. heavy cattle, and right good milkers.
Imp. Eliza, the foundation cow of the
Rosalies, is an extra large cow, good





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approach the tested CALDWELL'S STOCK MEALS, even by spending
CALDWELL'S
$\underset{\text { Gubstitute }}{\text { Gita }}$ CALF MEAL
Molasses Meal in correct proportions to give best results. We guarantee these ingredients to the Government. Analysis proves the guarantee CALF MEAL furnishes an ideal to $8 \%$, FIBRE $5 \%$. CALDWELL'S just as good calves. Write for descriptive booklet. whole milk and raises

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materials, carefully recleaned. Analysis shows PROTEIN $20 \%$ FAT materials, carefully recleaned. Analysis shows PROTEIN $20 \%$, FAT
$6.3 \%$ FIBRE $10 \%$. Will increase the milk flow and keep your herd
in top-notch condition. Booklet free.

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the famous, unequalled upbuilder of cattle, horses, sheep and hogs. It
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Cuts down feed bills and gives better results. Write for booklet.
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DUNDAS Largest Feed Mills in Canada ONTARIO

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on hand. We have nothing but the best Scotch
families to choose from. Our cows are good milkers.
 100 EmCANA FARM SHorthorvs 100

SHORTHORNS
right nice yearling heifers, write us: we can suopply of the bhe breed, or a a limited ind number of of her bulls or femalee.
Scotch Shorthorns sersun madew appointment. Bell Telephone. W. R. ELLIOTT \& SoNS, R.R. No. 4, GUELPH, ONT. Meadow Lawn Shorthorns We are offering Proud Monarch, No. 78992
 make you wish you owned him, Also young bulls and heifers that will please the mosst
exacting buyers. Long-Distance Telephone. F. W. EWING, R.R. No. 1, ELORA, ONTARII

10 Shorthorn Bulls, 9 Imported Clydesdale Mares Our bulls are all good colors and well-bred. We also have Shorthorn females of all ages. In addition
to our imported mares, we have 7 foals and yearlings. Write for roices on what you require. Bent Telephone en
Burlington Junction, G.T.R., $1 / 2$ mile. Scotch-SHORTHORNS-English-If you want a thick, even fleeshed heifer

SM0RTM0RNS $\begin{aligned} & \text { Scotch Bates and Both, yes, we have } \\ & \text { thom, purateotch, pure Bote }\end{aligned}$

CLYDESDALES
 A. B. \& T. W. Douglas Long-Distance 'Phone Strathroy, Ontario

Willow Bank Stock Farm $\begin{gathered}\text { Shorthornb and Leicester Sheep. } \\ \text { Herd } \\ \text { established } \\ 18555 \\ \text { flock } \\ \text { fold }\end{gathered}$

Maple Grange Shorthorns
R J. Doyle, Owen Sound, Ontario
IRVINE DALE SHORTHORNS


THE FARMER'S ADVOC


Salem Stock Farm | Home of the |
| :---: |
| Champions | Special Prices of Twenty Shorthorn Bulls During Winter Fair Week. will sire the best kind of steers. the fost herds. Others big and growthy that

J. A. WATT - FLIORA, ONTARIO

BELMONT FARM SHORTHORNS

F. W. SMITH \& SON,
$\frac{\text { Rosedale Stock Farm }}{}$


## SHORTHORNS



DECEMBER $10 \quad 1914$
THE FARMER'S ADVOCATE

Feed Grinder



[^3]-The Champion-



 packed so that which last autumn, were packed so that they wintered out of
doors, with a temperature, at times, fifty below zero. This season (consid-
ered a poor season for honey) this hive
has netted over twenty dollars The head ofer the twenty dollars.
Booker


$\qquad$


ottawa
Brampton Jerseys

## Sunny Hill Holstein

LAKEVIEW HOLSTEINS
E. F. OSLER. SUMMER HILL FARM BRONTE, ONT

Holstein Cattle and Yorkshire Hogs

## Riverside Holsteins

J. W. Richardson, R. R. No. 2, Caledonia, Ontario OURVILLE STOCK FARM

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Write for sample and bookinformation will give you full to increase your dairy profits.
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Do not trade your farm for a Milking Machine

Buy a Hinman The MILKER chosen by th
included.
H. F. BAILEY \& SON

Great Yearling Holstein Bull For Sale


JMEs A. C.s.sker
Holstein-Friesian Association of Canada

Maple Grove Holsteins

Kate, or The Old Gray Mare.
When I first saw Kate she was beautiful, round, sleek and fat; when I last looked upon her she was in a pitiful
state, peaked, rough, thin and very land state, peaked, rough, thin and very lame
-a worn-out machine on the scrap heap. Her growth to meet the


 sioo, sha was a dark. iron gray, somen
what dappleti; when she went away she
 I remember now sho came in the lane be
hind the bugy, by times showing an in

 What her new home would have in store
Yor her, and

trettings about her twin | tor her , and tret ting about her twin |
| :--- |
| brotheret trom whom she was separated |





 horse,", Well I r remember the remank new
 atarentu inspoction of the mare. $1 t$ was
his usual my tatheres tarm-.Huht purchases tor
 were satised. oven to the hired boy who
was to work Kate beside Nikger Ior his
 ready to do quiet and docile and always
cund part, provided sho

 even the whip, and yat of tazy anything, noi
doubtetall











 down head foremost several freet in ad
vance. My neck and right shoulder
ceived the eimpant
 quietly eating grass kate uninjured and
waiting at and waiting for me to rentount, whels, and and
a time, I succeeded in doing and with sore shoulder and a sorer head wor it
was a disgrace to be thrown from any
horse, more particularly quiet Fint



Wadly foundared and finally she became

THE MAPLES HOLSTEIN HERD
$\overline{\text { PRIZE-WINNING HOLSTEINS }}$
 Hamilton Farms, St. Catharines, Ontario
Cloverlea Dairy Farm
Come and see our herd. Visitors will be made welcome at any
time, and be met at the station if you phone us on your arrival. Bull calves for sale at present from high-producing dams


Pontiac Norine Korndyke, No. 18773, a promising young sire with all y Sir Korndyke perfect to of Pontiac Korndyke, sire He is sired daughters, 11 with records from 30 to 38.03 lbs., 29 over 25 lbs ., 53 over 20 Ibs., 14 thirty-pound granddaughters, including the world's record cow, King
Pontiac Lass, 44.18 lbs . butter in 7 dayc Sir view Boon's, record of 32.17 lbs . at 4 years old. of Count Calamity Mercedes sire was Norine Wayne Mercedes, a daughter produce 20 lbs . in 7 days. Her dam, Lady Wayne Norine two-year-old to 7 days, without doubt is the best transmitting cow in Canada through her sons, Brookbank Butter Baron and Count Calamity Wayne. She is grand averaging over 30 lbs., 14 with records from in canada, three with records and of the latter the former Canadian champion Oueen. Butter in 7 days, Pontiac Norine Korndyke's granddam, averaged 27.10 lbs . butter in 7 days The herd also consists of cows with equally high records, such as ExcelGRIESBACH BROS Coll

## 45 Holsteins by Auction 45 <br> On Tuesday, December 22nd, 1914

 At Royalton Stock Farm(A short distance from Talbotville Station, on the Traction line between London
and St. Thomas
St. Where conveynces will meet all cars both from London and Mr. E. C. Gilbert will sell by auction, 45 head of pim.). h -class Holstein females, heifers and mature from nine to eleven months of age; the balance many of them over $4 \%$ B.F., richly bred on producing lines and high-class
individuals.

Terms-Cash or six months on bankable paper with $6 \%$.
or Calalogue, write E. C. Gilbert, R.R. No. 7, St. Thomas, Ontario
MOORE \& DEAN, SPRINGFIELD, ONTARIO, AUCTIONEERS.
Sale at 1 P.M


$\stackrel{\text { The next }}{\text { SPI }}$ $\underset{\substack{\text { on your } \\ \text { requireme } \\ \text { loguve }}}{ }$
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B. H

| B. $\mathbf{H}$ <br> 102 KiN |
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Send yo
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| Barcheskie |

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$\substack{\text { Condon } \\ \text { Edmont }}$

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un before b b
Peter Arkel
$\frac{\text { Peter Arkel }}{\text { ALLOW }}$
Sout
$\underset{\substack{\text { Look up } \\ \text { Breed }}}{ }$
BYRON, O
Sheep,
and Shrop,
Duro Cer
Seed Corn
'Phone 25t
For Sale
ewe lambe
W. A PR)


The Carrier For You
$\mathrm{J}^{\mathrm{N}}$ choosing aliter a arrier,





LOUDEN
Litter Carrier


Our architectural denartment
will supply free Barn plans.
The LOUDEN MACHINERY CO. Dept 31 - GUELPH, Ont
${ }^{\text {The neat }}$ SRAMOOTOR
on your farm. We build one to suit your
requirements exactly bur
logut, and othe other interestine to-ay for for cata102 Bing STREET, LONDON; GANAD
GUSTOM ROBE AND FUR Send your Cattle and other Skins to me, and have them tanned soft and pliable
for Robes, Coats, Furs, etc.
B. F. BELL, $\quad-\quad$ DELHI, ONT
$\underset{\text { BEACONSFIELD, P. Q., CANADA }}{\text { Alancroft Dairy }}$
 $\begin{aligned} & \text { Pure-bred Ayrshires and } \\ & \text { Pure-bred French-Canadian } \\ & \text { Bulls for Sale. }\end{aligned}$
Srespondence or visit solicited.
SHANAANA, Secretary, Merchanis A. Bank Building, Montreai' Canada Dungannon Ayrshires
 ale. W. H. Furber, COBOURG, ONT.
Prize Wifer

 Oxford Down Sheep

 Peter Arkell \& Sons
ALLOWAY LODGE STOGK, Ontari Southdown Sheep


THE FARMER'S ADVOCATE

## Clearing Auction Sale

 OF BRIGHTON BRAE
## Utility Ayrshires

On the farm at KERWOOD, ONT., o

## Wednesday, Dec. 16th, 1914

 At 1 p.m. sharpComprising 32 head, 22 cows, of which 18 have just freshened, and 10 yearling heifers. Photo engravings appeared in last issue, showing a few members of this strong herd.

Our standard has been $10,000 \mathrm{lbs}$. milk $4 \%$ fat per cow. For years we have culled and bred to this end until at the present time this entire herd of 22 cows (although
a young herd) with any reasonable feed and care will average at least $10,000 \mathrm{lbs}$. They have just recently been tested with 15 new milch cows and tested 4 per cent ; some have done better, giving as high as 12,000 lbs., three-year-olds $10,000 \mathrm{lbs}$. and heifers with their first calves at present milking 40 and 42 lbs. per day. Every one of this
entire herd will be sold to the highest bidder entire herd will be sold to the highest bidder.

CATALOGUE ON APplication

## Walter W. Bowley, Kerwood, Ont.

R. R. No. 1

JOSEPH RODGERS \& SONS, Limited, avoid imitations of our

CUTLERY
By seeing that this EXACT MARK is on each blat
Sol E AGENTS FORCANADA. JAMES HUTTON \& COMPANY


 James Benning Summerton Stn.,Glengarry. Williamstown, Ont. P. D. McARTHUR'S AYRSHIRES


Stonehouse Ay shires Gordon, Howick, Quebec nite or phone your wants to Stonehous
Farnham Farm Oxford Downs
 tclows tor tlock-headers. Also a few nice ewe lambs, and a few good Hampshire ram lambs
C.P.R. Guelph and Arkell. Phone: Guelph, 240 ring 2. G.T.R., Guelph St. and Telegraph
Maple Villa oxtrod down sheep Yorkshire Hogs

## J. A. Cerswell, R. R. 1, Beeton, Ontario

Shropshires and Cotswolds
 SPRING VALLEY SHROPSHIRES

THE FARMER'S ADVOCATE
FOUNDED 1866


Cloverdale Large English Berkshires Sows bred, others ready to breed; boars
ready for service: 200 from six to twelve
weeks old, both sexes, pairs not whel weeks old, both sexes, pairs not akin
All breeding stock imp. or from imp.
stock. Prices reasond. stock. Prices reasonable.
R.R. No. 1, - Hampton, Ont. MAPLE LEAF BERKSHIRES


$\xrightarrow[\text { Morriston Tamworths and Shorthorns }]{\text { Brom the prize-winning: herrds of }}$
 $\underset{\substack{\text { Sunnyside } \\ \text { Stock Farm }}}{\substack{\text { Chester White } \\ \text { Swine }}}$
 BERKSHIRES FOR SALE $\frac{\text { Sll eathi. Ira Nichols, Box } 988 \text {. Wordstack oni }}{\text { ELMFIELD YORK SIIIRES }}$

## TAMWORTHS

[^4]
 not caring to give vent to to her feelings
in public, but I saw her lift the curtain and look with moist eyes of at
her old driver of which she thought so
much much. I alone faced the music. I wa
greatly attached to Kate. I had learned
to plow with Kate ate co plow with Kate and Nigger as my
team. I had harrowed, cultivated,
sowed, reaped sowed, reaped and mowed with these
two the neverf-filing power. I had
ridden and driven her and played with
her colts. her colts. Nigger being older had wone
before, and now Kate goth to the woods, the graveyard of wany
faithful animals. I patted her mack rubbed her nose on my cheer, and and with
that I turned away and never looked at her again- I went into the stable
sorrowful, and yet glad for Kate's sake
that her pain wit that her pain was nearly over, and he
end would be sudden and not the lasting
torture torture of ekeing out an existence so
common where old horses are sold to be common where old horses are sold to be
abused by the men who buy no other
class, and use them only to beat money out of their worn-out frames. I looked
in the stall and felt lonely, for it was
empty san," empty. "Fan," her last gray colt was
in the stable. She was built like he mother, only she was much larger.
immediately moved her to Kate's stal good daughter ought to do. But never
ghall I forget Kate. She was more to
shat as and me than any other horse I have ever
known.

## Gossip.

GOSSIP.
Shorthorns AT CEDARVALE.
The noted herd of Scoteh and Scotchtopped Shorthorns at the Cedarvale herd
of Hon. Dr. T. \& sinnele of Hon. Dr. T. S. Sproule, of Markdale,
Ont., are going into winter quarters in sheir usually thrifty condition. The
splendid fleshing gualities of splendid fleshing qualities of a part of
this herd, and the extra dual-purpose qualities of the others have bean re-
viewed in these columns on many pre-
viel repeated, suffice it to say not be again
reper sepeated, suffice it to say, the herd is
still being kept up to its unsual hith
standard of efficiency and merit. The
reseat stock hell
 ever at the head of of the best sires
showing a splendid balanice of hhis get
extra heavi, and
hand for this coats. The younging bulls on




HIGH-CLASS, PURE-BRED YORKSHIRES

Two sows recently bred. Prices low for quick sale
WELDWOOD FARM
Farmer's Advocate London, Ontario
 (. Colwill, Newcastle, Ont. L.-D. Phon

Large White Yorkshires
 <br> BERKSHIRES <br> onson \& Sorval Station, Ontario} Yorkshires and Berkshires

> DUROC JERSEY SWINE, JERSEY CATTLE

## 

## ( 3

Canada's Champion Herd of Registered Hampshire Swine hastings bros.


Nature's Diary By A. B. Klugh, M.A.
We have among our Canatian birds a
treat variety of love - notes
 turushes, of the white- hermited and wood
the ruby-cro wnea kinom, the ruby-crowned kinglet, and the winter
wren, the quaint
little ditties of the wren, the quain little ditties of the
warbers, the sharp notes, of the fy-
cathers, the drum catchers, the drumming of the ruffed
crouse, and the rolling grouse, and
woodpeckers.
the rolling tattoo of the
But of all lovecalls perNooppockers. But of all love calls per-
haps the queerest is that of the sooty grouse. It is a loud, booming, ventrimo-
पuial
Yiomp - boomp boompp boompboomp," and is repeated - all day - boomp-
reopu at
 sits up in a conierous tree at a a alar
height from the ground.
The calling


## ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| MAKE A TEST <br> And prove to your own satisfaction that <br> Wodehouse's Animal Invigorator

 is the best stock conditioner on the market to-day. You can t loose, as our guarantee is absolute. and your stock will be in better condition There is money in and be a Wodehouse EnthusiastWodehouse's Famous Preparations:
Wodehouse's Animal Invigorator-Unequalled for all Wodehouse's Poultry Invigorator-The chicken fan ciers best friend
Wodehouse's Creameal-The perfect food for calves Wodehouse's Baby Chick Food-The best of all Baby Wodehouse's
Wodehouse's Lice Killer-Sure death to all vermin manufactured by

## Wodehouse Invigorator Limited, Hamilton,Ont.

If your dealer does not handle, write, and we will see that you are supplied




Fig 2.-Berberis aquilollum
species is Berberis nervosa, and there is
another species.
Berberis, another species. Berberis aquifolum
which is also called oregon grape the is fairly comon in the same region.
This 1 atter spocie in the This later species differs frome theg tor
mer in having a lor mot in having a longer, more woody
stem, shorter leaves, and in having the
leaneto
 on the margins. The er evaes of Berberi
aquitolium resemble the aquitolium resemble those of the English
holly very much, as may be seen from Fig. 2.
hory much, as may be seen tron The big Ayrshire sale of Watter w
Bowley, of Kerwood, will be held Bowley, of Kerwood, will be held Dec
16 , at his tarm, $3 \ddagger$ miles 16, at his farm, $3 \frac{1}{2}$ miles west of Strati-
roy, where traing will be met morning


 months credit on approved notes, with
6 per cent. per annum discount tor cash Auctioners, Moore \& Dean. See the ad
vertisement. Holstein breeders should see the new


Sold only in checkerboard bags,
Made in Canada
The Chisholm Milling Co. Limited Toronto

| Winter Term Opens Jan. 4th Become Independenth Our Graduates get and gold grood positions owng to get and hold good positions their superior training. The <br> ELLIOTT <br> Yonge and Charles St., Toronto. $\qquad$ $\qquad$ <br> W. J. Elliott, Principal |
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C. A. FLÉMING, F.C.A.
Principal
 Y.M.C.A. BLDG., LONDON, ONT. BUSINESS AND SHORTHAND


 THE LAKEVIEW FRUTT FARM
H. L. McConnell \& Son, Port Burwell,

THE FARMER'S ADVOCATE.
FOUNDED 1866
Questions and Answers.
Veterinary.
Salivation.

in consistence. He has a good appe
lite, but froths badly from his
 His teeth require dressing. Get our
veterinarian to examine his mouth and
dress his teet exmen dress his teeth. It may be that some
of the teeth will have to be shorn. Fatality in Cats.
 was the e trouble, and is there any danger
of contagion? Ans.-The symptoms indicate acute
throat trouble, probably of the nature
of diphtheria. The disease was evident-
ly contagious, and there might be dange: of the contagion even to the human be be
ing. An examination by a bacterislogist
would be necessary in order the nature of the contagion.

Elephantisis and Sallanders. mare about a three weeke wear-old ago. pregnant
Her hind
Tegs are enlarged and regs are enlarged, and I have found out
that she has suffered from attacks of lymphangitis. $\begin{aligned} & \text { The led from attacks ore cracked o, } \\ & \text { The back part from the hocks to the }\end{aligned}$
the hoofs, and are breaking out in tront o
the hocks.
L. W. S. small price you have made a bad buy as enlarged legs occurring as a result
attacks of lymphangitis attacks of lymphangitis are practically
incurable. It is called elephantisis.
Dress the crack Dress the cracks in front of the hocks
and on the back of the legs three times daily with oxideof-rinc oint ointment.
proud flesh appears, dress two or three days with butter of anti-
mony applied with a feather. Fted on easily-digested f
ercise or light

Leucorrhoea
in about ewins about a year ago, and charging white matter, and she failed in
flesh and mill flesh and milk supply. II gave her a
preparation of ammonia without results, preparation of ammonia without results,
and then gave carbolic acid daily for
two months, and she aestrum and Iay 1 thought she showed
safe
and safe in saying that she she is in calf, bui
she is again discharging. Ans.-This is called whites, or leucor
hou, and a cow affected rarely con
ceives, ceives, but it is possiblee yours has. 1
in call, all that you can do is give
40 40 to 50 drops carbolicacid in a pint oi
water three times daily, either as a She calves, or so so soon her youd. After
is not pregnant, continue decide she is not pregnant, continue the carbolic
and flush the womb out every day with
a warm one-per-cent. Solution of Creolin.
Inject allout Fast Montreal-Torosto-d EGTROITThese solict de luxe trains, carrying
ulfet-library - compartmentoolservation



This is the time of the year when the price of eggs is high and your hens ought to be making up for the small egg crop during moulting.
But hens need a tonic during the winter months, because the lack of exercise and green stuff, and also close confinement, impairs the digestion, makes the system sluggish and the edg
organs dormant. With the knowledge I have gained in a life time experience as a veterinarian, doctor of medicine and successful poultry raiser, I have succeeded in compounding a scientific preparation that will make poultry healthy,
make hens lay and keep the egg organs vigorous and active.

## Dr.Hess Poultry PAN-A-CE-A

contains ingredients for toning up the digestive system and enriching the blood. It also contains tonics for toning up
the dormant egg organs and making hens lay, internal anti septics for preventing and remedying gapes and other ail ments, also bone and shell forming ingredients. Every single ingredient in my Pan-a-ce-a (printed on every package) other high authorities. Now read this carefuly :
2.5 So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your

Sold only by reputable dealers whom you know, never by Sold only by reputable dealers whom you know, never by
peddlers. $1 \frac{1}{2} \mathrm{lbs} .35 \mathrm{c} ; 5 \mathrm{lbs} .85 \mathrm{c}$; $25-1 \mathrm{lb}$. pail $\$ 3.50$ (duty
paid). Pater paid). Pan-2-ce-2 costs only 1c per day for 30 fowl.
My new poultry book tells all about Pan- $\alpha-c e-\alpha$. It's free.
DR. HESS \& CLARK, Ashland, Ohio


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them than any other branch of sheep rais
ing Secure a young ram to put with your
young rams and a few ewes
for sale. FORSTER FARM, OAKVILLE, ONT.


DECÉMBER 10, 1914
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| The Northern Life Assurance Company Of Canada <br> HEAD OFFICE : : : LONDON, ONT. <br> Is a purely Canadian Company, managed by Canadians for Canadians. All its business is done and all its investments are made in Canada. support <br> In view of these facts it should have the <br> Of All Loyal Canadians. <br> Its history is one of careful management, upright dealing and progressive advancement. <br> The Security offered to Policyholders is unimpeachable. <br> Its Policies are entirely modern and there is one to satisfy every requirement. <br> The assets of the Company exceed $82,200,000$; the Insurrances in force <br>  exceedess holders, exceeds $\$ 500,000$. $\qquad$ <br> The Company commenced business in 1897. <br> T. H. PURDOM, K.C., W. J. McMURTRY, President General Manager |  |
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Questions and Answers Miscellaneous.
 Squirrels. 1. Is there an open season for hunt-
ing and trapping black squirrels this year? If so when is it worth? 3. How should the black squirret

Ans. -1 . There is an open season for November to December 1st each year. 2. Write some of the fur firms adver-
tising in these columns. 3. We never skinned one, but presume
the usual method of slitting down the belly from end to end and up the inside Son and Wages. incumbrance. B is $\Lambda^{\prime}$ 's only son, a say end of the work. $\quad$ B has worked heavy (his father) unti1 all incumbrance has
been paid. B's age is now 31 year Would now like to start for himself.

1. What is $B$ entitled to frome
tather) father), there being no other help, hired.
2. Can $B$ collect wages fres 2. Can is collect wages from A from
the time he was 21 years of age until 3. If so, at what rate of wages, is
hot his clothes, board, andt spending
oney. Ontario. It is entirely a matter for dijustment between thenselves. The athount is just what they may agre
rpon.
2 and 3. B is not in a powntion tw en
rorce payment unless he can prove al furce paymunt untess he can prove a

Is there Valuing Sheep.
Is there any more value allowed by
law on a purebred registered shee
killed law on a pure-bred registered shee
killed by dog than on a grade sheep We pay a dog tax. Some members of
the council say that there is no difference. My sheep do not run at large, tor the price of one registered. R. M. Ans. - In most municipalities the
valuating is done by neighbors of the owner of the destroyed or injured she
these hese neighbors being, of course, co
petent to judge. The valuation
purebred pure-breds of good quality is almost in-
variably higher than on grades, however variably higher than on grades, however,
it is not often high enough to pay the
loser for as a man who loses grade sheep is paid Selling An Animal With Lump Jaw auction sale which had lump jaw. asked a veterinarian if it could be
out and what it would cost,
 came before he was notified to come and
operated when A was away from home
and befure hee had seen B, A then
went to sce B. who said before

## Potatoes Will Be Scarce

 Next year, and even before next year, potatoes are going tobe very scarce, and they are going to command high prices. The bulk of the potatoes of the world have been produced by
Sermany, Austria. France and Russia. Germany and Austria are absolutely
Iut of from exportina ut off from exporting, and French and Russian production will be very
mail as a result of the The world will have to turn to Canada and the United States for Here then is the Canadian farmers' opportunity, Grow potatoes - plenty
of them! The market is ready, prices will be good! Take advantage of it! There is only one way to grow potatoes right-to make the biggest
profits from them.
Youn get abis crop and to take care of a big crop How long would Napoleon's army last before those which are in the
field to-day? Modern ideas, modern machinery are what spell successful farming. How to make the most profit from potatos is told by our catalogue
of Potato Machinery. Write for it to-day-absolutely free. O.K. CANADIAN POTATO MACHINERY IS MADE IN CANADA
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cheare factory patrons and ot or hers liavin in
a supply during the fall and winter
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Ravensdale Ayrshires
 A COMPANY OF POLICYHOLDERS
Mutuai LIf: Assurance: Coucananas


## SHIP US YOUR CREAM W $\begin{gathered}\text { Supply cans and pay all express charges } \\ \text { within a radius of } 100 \text { miles of Berlin. } \\ \text { Send a statement }\end{gathered}$ Send a statement of each shipment Pay every two weeks. WRITF FOR

THE BERLIN CREAMERY COMPANY BERLIN, CANADA

Questions and Answers Miscellaneous.
Road Fence.

1. What can A do if B's cattle come
 Can A charge damages ?
fence along road? If not will a put a have to stand the dat will a farmer drive into the field whemecron is peaple Eipe. $\underset{\substack{\text { Ans. }-1 . \\ \text { fair } \\ \text { damages. }}}{ }$
2. No. People ara not

A Disagreement
I hired with farmer last February for
one year. There was no written
Then one year. There was no written agree
ment. Last June away visiting friends; away visiting friends, when I came
home farmer was angry and told ma had no business to go without permis
sion. Monday sion. Monday morning he again began going to fo fight me, and told me he wa out", as he put it. $I$ I lett him at once wages from February to Can I get my wages from February to June or will
have to wait till next February same.
 simply left withoutect at once. If you
not collect until the veare your can A and Liné-fences.
$A$ and $\mathbf{B}$ own adjoining farms. A has constructed his one-half of line-fence.
did not build hie farm to a syndicate, who subdivided and re-sold. A now has four pattiee parties who purchased where with The The have his line-fence desire an fence and in sist that A should build one-hall. It A does this ho will then have built
threequarters of said line-fence party who purchased along where A has arready built line-fence claims he pur
chased the property alosed the property with the line tence
alonside of same, and cannot see wh he should pay for onehalf of said fence build the fence viewers compel A to
fence more than onehalf of the line fence? Would they value the fence
built by Aund then ing owners to pay thenper the adjoining owners to pay their portion ? What
would you consider a fair adjustment of this case?
Ontario. Ans. - The wholo matter is one for de-
cision by the fence vierers it duty to see to it that $A$ is not required
to do more the the line fencing; but as tortion of that may be, and other matters such the description of fences, etc., we are
not in a position to venture an opinion. Sheep Killed by Dogs.
two sheep $k$.
did not see dogs kill sheep. Set traps
by dead sheep the killed and caught two dogs. They were
acknowledged ber acknowledged by their owners as their
property. The traps were left set for seven days after, and no other dogs
caught, which would go to prove that dogs caught were ones that did the kill-
ing. One of the owners of dogs had been previously warned that his dog was pastures at night. Chasing Datte were not from
near neighbors of mine, but about two miles away. Kindly give me informa-
tion as to what damage Cegally in this movince.
Ans.-If you can prove absolutely that Ans.-If you can prove absolutely that
the dogs caught are the same as killed
the sheep yout can


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Are you using an old separator ? Bear in mind, if it is not doing good work you are losing just as much butter as you would by skimming with the pans in the old-fashioned way.

Our agent will make you a liberal allowance for your old machine.

## The Premier Cream Separator Company

Toronto, Ont
St. John, N. B.

Camp Fires of the Bush. (Continued from page 2110.)
onely than this tiny spot of flame in ho desolate and endless darkness, but
hat our friend has camped so often alone
that he conjures up no tigures out of that he conjures up no figures out of
he shadows,and hears no imaginary
ho voices in the whispering boughs. Perhaps
it is his lack oos imagination that eaves it is his lack of imagination that saves
him from any feeling of eerie loneliness. bim from any feeling of eerie loneliness.
However, that may be, the experienced
lit swaveran pat may be, the experienced
any other prefers his own company to to any other. It, riding up the company rive rod
atter nightall, you burst in upon his Atter nightall, you burst in upon his hoots, he looks aud without surprise or or
 some grim Spirit of the Silincol rode in-
to his presence in similar unceremonious ashion, he would receive him in the same unembarrassed way. Mechanically he signs to you to dismount, and mechanically
places his quart-pot and cup within your praces his quart-pot and cup within your
reach. He is always hospitable, though he may be begsing his own way from thable, though
place to place ot place.ting it is oharacteristic of trom
the camp fires of the Bushno he camp fres of the Bush;none is
humble but it extends you a welco The attitude of the swagman on camp timese he is guarded reticence. At all and
borrowed an man of mystery-mystery virowed from his weird and lonely en en
There are so many hapent ings that may have brought him there; no of which may grades of society,any no the wildernesss; there are him forth fierent paths that may, any one of them ersation must of necessity that conon with tact, and a due regard enerally allows you to do doors. He tination, and the object your proposed desand the and the object of your journey,
by the why you are travelling


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$\begin{array}{ll}\text { Lath } & \text { Foors } \\ \text { Shingles } & \text { Srames }\end{array}$
$\begin{array}{ll}\text { Shingles } & \text { Sash } \\ \text { Posts } & \text { Hardwood }\end{array}$
Sheeting
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Flooring
Beaver Board R Roofing
War Lords Impeached
 who sategurard and pursue the 'national
aspirations,' you who open the gates of aspirations,' you who open the gates of
the kennel and leet loose the mad dogs
of warn youl who drive husthads from


Cotton Seed Meal


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This year SETS. DORForster Farm, Oakville, Ont., on the veloped exceptionally well. ${ }^{\text {and }}$ Both ion in
Aberdeen-Angus sheep, the year has been Dorset Hori and the youngsters have done well. Young bulls and rams are offered well.
should make excellent flock is now among the largest in $\begin{aligned} & \text { Corset }\end{aligned}$ ada, and has been bred along the right. lines. So pleased are the firm with the
Dorsets that they Dorsets that they are fitting up a new
farm to be devoted entirely to The object is to have a hundred acres. enclosed with a dog-proof fence, and
many farmers would do well to copy this many farmers would do well to copy this
lead. It will go a long way making sheep-raising more proftable ards enjoyable, adding greatly to the feeling of security. Try a young ram from thi
farm. some stout, compact females, with includes at the head sired by old Champion Hun dred. He, too, is a fine type of Angus
The youngsters The youngsters are coming along nicely,
and will be ready for shiping and will be ready for shipping shortly,
Get a first choice. The Angus. rapidly growing in favor every year.
holsteins at $\underset{\text { FARM. }}{ }$ maples datry Persistent official testing and system-
atic culling carried on for many vear have raised the noted Holstein herd of Waiburn Rivers, of Ingersoll, Ont., to a
high standard of producing ability and individual excellence. Everything of milking age on the farm is in the official
R. O. M., and R. O. M., and many of them in the
official R. O. P. For some years at the omead R. O. P. For some years at the
head of the herd was the great breeding bull, Prince Aaggie Mechthilde, whose dam and two grandams had record
averaging 25 lbs. 12 ozs. averaging 25
aver. 12 ozs. of. butter in
seven days.
Three of this bull's daugh tellowine come to milk and show the thilde, age two : Aaggie Posch Mechcalving made in seven days, 375 a 9 ler fat test 3.58 per cent. of butter, butter Calamity Sest she gave 10,000 lbs. years, record seven days 381.9 milk two 16.274 of butter. butter-fat test 4 per gave 14,201 lbs. Countess Clay Mest thinde, age one year and eleven months
seven-day of butter. butter-f 34.5 milk, 12.606 lbs . cent.: eleven months R. O.
g. P. test gave $13,151 \mathrm{lbs}$. These great heifers are
sisters to the young now offering, they bells Mr. Rivers is sire. and one of them. nine monthe same
is out of 1b. three-year-old R. O. M., and a 14,0077
 the senior twose Wayne Calamity 2nd dian champion, with 16,714 lbs. milk
and 677 lbs . buter average test 4 per cent.; ; seven-day rec
ord 29.28 ths Mr Rivers is satisfied that both these cows will make a $30-\mathrm{lb}$. record at theit
next freshening. A yearling bull is out
of Fairment months 14,700 Wayne, R. R. O. P. in ten
Another eight . O. M. 17.50 lbs, Daisy Albino De Kol Duchess is out of
Dollo of the two above-mentioned seyen- the dam seven-day record made at eleven years of
age is a little over 19 lbs. Another eight-months - old is out of Calamity Tosch Wayne, seven-day record 17.50 lbs
Still another eight-months bull is out of
Pin ord for 348 days 13,279 lbs. milk cent.; seven-day record as a four-year-old producing. Creembing of with the great
is a straight, nicely these young bulls fy. For use on the daughters of this chased the richly-bred Canary Ilartog, a 7th, whose dam has a seven-day butter record of 116 lbs ., and the grandam of
Canary Hartog, on his dam's side, hat hinges butter record of $30 \mathrm{hls}$. . Great tense breeding as this, but Mr. Rivers is
never satisfied with anything lurt

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SCARBORO TOWNSHIIP, two miles to Kingston Road Cars. Sandy loam, with clay sub-soil, Slightly rolling and underdrained Twenty-two acres excellent orchard Good wells and spring creek. Firstclass wire fences. Number One build-ings-Price sixteen thousand, Write for further particulars.
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$\cdots \cdots$..... 4



[^0]:    J. BRUCE WALKER

    Commissioner of Immigration, WINNIPEG, MA

[^1]:    Is service has been sreatly enlarged during the past two years. The map

[^2]:    PRASAVT VALLEX FARMS SHORTHORNS

[^3]:    

[^4]:    

