 VoL. L. LONDON, ONTARIO, JUNE 3, 1915

No. 1184
Feed Your Children Lots of Wholesome Bread Make it with PURITY FLOUR so it will be More Nutritious

N the words of Woods Hutchinson, one of Americass most eminent physicians,
"If a child is worth raising at all, it is worth feeding upon the best and most nutritious food-and plenty of it."
And the medical profession is a unit in placing good, wholesome bread among the best and most nutritious food for children. Many give it first place.
But some bread is more wholesome than others, depending upon the skill of the baker and the grade of flour used.
So if that boy or girl of yours is worth raising, make your bread of PURITY FLOUR.


The bread will be greater in food value, more nutritious, because it
will be made of flour consisting entirely of the high-grade portions of the No. 1 Western hard wheat grade food elements, the high-grade gluten, phosphates and starch of the world's most vigorous wheat. See that your children have lots of Pu well-known fact among phy-
 It's a well-known fact among physicians that a chased to ear of children don't cat bread. A child shergy and building material for Reminder: On account of the extra strenent and elta quality of ordinary flour require shortening is needed. Add PCRITY FLOE R to your grocery list right now. PURITY FLOUR
"More Bread and Better Bread"


Try them a little while. They years. And so in every farming have smoothed out the rocky road section, you'll meet these men driv
of tire troubles for thousands of ing on the royal Goodyear road Because Goodyears are fortified Let them reveal the five costly 5 ways against the major tire ways in which they protect you roubles. And yet they cost you
37 per cent less than two years ago. tire troubles-against rim
cuts, against blowouts, agains

Best For Farmers Last year men bought in Canada
as many Goodyear Tires as there as many Goodyear Tires as there
were cars. Thousands of these cuts, against blowouts, agains
loose treads, against punctures loose treads, against punctures
and skidding. And no rival tire and skidding. An these Goodyear features. were cars. Thousands of these
Goodvear users are farmers, too,

Prices Reduced These men want tires that turn another big reduction we made rough roads into royal roads. 15 th. That was three reductions
They want the least risk of tire in two years, totaling 37 per cent. driving, as they
must, miles from the near-
est garage or repair shop.
They want low cost per mile. GOOD MIEAR MADEST CANADA Fortified Tires

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2509 York St.0, Guelph, Ontario


## 1

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chafeerrs sicence examination.
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let. Elasses now starting.
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Armco (American Ingot) Iron is a wonderful conductor. An Armco Roof, with drain-pipes properly grounded, absolutely safe-
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Roofing. You can get Armco Roofing Roofing. You can get Armoo Roofing
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But don't let that from your tinner or hardware dealer.
But don't let that keep you from
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to you now. Write today.





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is the best value you can obtain, because it is specially made for the ev Ask for

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Cut any Length $\xrightarrow{\text { JNO. J. GARTSHORE }}$

Free Land $\underset{\text { Sertler in in }}{\text { For }}$ New Ontario



EDITORIAL.
Kill the weeds while you may.
Keep the calves growing by giving plenty
Cultivate! should we the watchword this
June is the month to kill weeds and make the
Get the breeding bull out in the paddock. He
The kaiser wili now have to divide up his hate
and extend some to Italy.
at this season of the year.
June is generally soon enough in Ontarlo.
June should bring the warm weather that the
weather, cultivate.
The man who killed off all his brood sows is already beginning to wish that he had some of
$\qquad$ waged by the Allies, some seem to forget the magnitude of the whole affair.
$\qquad$ her own at either, but particularly the former
$\qquad$ of eggs gathered each day. It will reveal some
thing about the flock, and will start the lad in
$\qquad$ seems out of place, and he must be lonesome fo the old farm again. Retire on the farm and be
$\qquad$ good milker. The up-to-date buyer wants to
know how much she gave yesterday, last month
$\qquad$
$\qquad$

The Battle of Ideals.
greatest weight of metal would win the wat whe whe whe this world war is more
$\qquad$
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$\qquad$ but are fighting in the defence of the freedom or
$\qquad$
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$\qquad$
$\qquad$ despotism and subiugation, which means tyranny

Keep Ahead of the Game.
Why is it that a farm is sometimes found situ-
ated favorably, with as good soil as that on
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The Farmer's Advocate AND HOME MAGAZINE.
the leading agricultural journal in the
Published weekly by
THE WILLIAM WELD COMPANY (Limited).
John weld, m
Agents for "'The Farmer's Advocate and Home Journal,
THE FARMER'S ADVOCATE AND HOME MAGAZINE It is impartial and independent of all cllques and partie
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ADDRESSES OF CORRESPONDENTS ARE CONSIDERED
 ddrese THE FARMER'S ADVOCATE,
THE WILLIAM WELD COMPANY
assing continues rease of 2759 on 1913 , 1914 showing an urban public schools, high schols enrolment fegiate institutes continues to increase that of the rural schools has failen off, and the attendance at In a table classifying the pupils as to books, the number of pupils in rural schools has been increasing slightly for the First Feader, Part 1. and Part 2, and the Second Book, but after that increasing decline has set in, betng greátest with
the fourth Book. The urban classes all show an the fourth Book. The urban classes all show an who drop out on or before reaching youngsters who drop out on or before reaching "The En-
trance" stage what incentive do they receive toward rural life or what aid toward its successful pursuit? Once those who "pass" are in the main educational current of the high school, goodbye to agriculture and rural interests? What ails of former schools, if truancy laws which grew out voked to tone up a falling and laggard attend
a....I believe in education for arrour bove. and girls," said a leading local city school official the other day, and he meant the usual type of education as the schools have given it. We do not propose to disparage the knowledge, the broaden iLg of sympathies and the oleasure that comas from the right use of books. It will not be well for the next generation if they neglect good
training, at least in the "three Rs," and often orfully neglected art of expression. If real wultine were properly inculcated it would be con-
properly inculcated it would be con-
along through life. But the fact is
manual workers in agriculture and the industries.
Those of us who have gone through the school mill, or perhaps helped to turn the crank, know how little recognition hand labor has received. It is neither appreciated nor honored as it de serves. We spin mot, neither do we toin. The needs the inspiration a new attitude and a change of direction if the people are to be saved from lob-sidedness and perils that threaten to grow worse after the world has sheathed its bloody sword. The demands of industrialism have struck a sympathetic chord in the cities and towns, and technical education is fikely to forg ahead: What counterpart is the ruyal school


## Nature's Diary

One of the latest Violets to come into bloom and at the same time one of the most beautiful species in Nortb America is the Long-spurred
Violet (Viola rostrata). The flowers are very large, the petals being qilac-colored with a deep spot near the centre, and the lower and lateral petals are strikingly marked with dark fine lines
The spur is long and nearly straight and give The spur is long and nearly straight and gives
the common name to the species. Fig. 1 shows a group of these handsome flowers in their haunts, and from this photograph the species may eadily be identified. The leaves showing in the Adder's-tongue. The Long-spurred Violet is not as common as many other species, and is more particular about its habitat than many of the Violas, apparently requiring what are termed
"rich" woods in which to flourish. By a rich wood is meant one in which there is a deep layer
of soil containing plenty of leaf-mould. of soil containing plenty of leaf-mould.
woods are usually moist since the humus tends to conserve the moisture.
$\qquad$ common flower of the British woods is the


Long-spurred Violet
species is local in its distribution, but in regions where it exists it grows in great profusion. On of the Bruce Peninsula there are immense beds of the Bhore is is Primrose, and when it is in bloom the or white. The leaves are in a rosette at under surface with a white mealiness covered on the are small, being but half mealiness. The flowers berme in an umbel at the top of the stem. The
termbel." is used in speaking of a type of
inflorester inflorescence in which the peakicels (little stape of
of the flowers all spring from the stem at same llowel, and thus bear the flowers in a flat-
topped cluster, as in the parsley and parsnip. The name of the carrot,
Primula, is derived (first), and refers to the early blossoming of the
Finglish Primrose. In localities where there is fine sand we find
some very interesting Wasps, Wasps. There are several species of these llasps, group, in which the hinder part of the abdomen is joined to the thorax (front part of the body)
by a portion of the abdomen as fine as a thread
Throwht Throughout the animai kingdom we see many
different ways of providing for offspringe, and the ligacer Wasps have haviding for offispringe, and the
The females excavate burrows way all their own. The females excavate hurrows in the sand, own.
go oft in search of some soft-hodied insect
brain. The result of the sting in this particula place is to paraiyze the insect or spider, but not row and into it and the egrager to the burWhen the young hatch out they find laid on it fresh meat ready at hand for them to foed of This may practically be called the first system of cold storage. After the eggs are laid the mouth
of the burrow is carefully covered over its entrance is indistinguishable fromer so the rest the surface of the sand. When bringing the prey to the burrow some species have a regular prou-
tine which seems to serve no useful purpos tine which seems to serve no useful purpose, but body to within about eighteen inches of the bur and up again, return to the brey carr, down it within six inches of the burrow, run down the to row and up again, seize the prey once again burdrag it after them down the burrow. Ag performance like this, which is gone through always in
precisely the same manner and which without any previous traiming, we term an in stinct. If an animal modifies its behaviour to suit aitered circumstances we say that it shows
intelligence. Experiments have ben these Wasps to see if they exhibit intellige with well as instinct. Each time the Wasp left the prey within six inches of the burrow and ran distance of some two feet. Fight times it to a after a hunt recovered the prey and brought it back to the six-inch mark, but the ninth time it did not leave it at this point but dragged it
straight down the burrow, thus showing that it possessed intelligence, since it modified its that it instinctive behavior when confronted with conditions which it had never met before. by animals is recorded by observers of the tools of these Digger Wasps. One individual was seen to take a smail pebble in its jaws and use it to
tamp down the sand over the entrance to its bur-

A New Process for Drying Potatoes. Older inhabitants of the country can well re-
member how, in the days prior to the advent of the canning factory and the evaporator, long
evenings were spent in the process of drying evenings were spent in the process of drying
apples. The many strings of halved or quartered apples hanging in loops from nails and rods ered apples hanging in loops from nails and rods
above the kitchen stove are not easily forgotten by those who took part in the preparation of
them, but this sight is now uncommon. The them, but this sight is now uncommon. The
evaporator with its intense heat and efficient machinery does the work of many homes, efficien duces the high moisture content of the apple, so it may be preserved for a considerable length of
time or shipped to distant markets in a contime or shipped to distant markets in a conits methods of using up a second grade of apples, thus relieving growers and their families from the arduous task of drying them. Potatoes are now content. It is a practice in Germany, and it is being experimented with in Great Britain. Such a process, it is said, could be profitabiy intro-
duced on this continent
Canada produces a large quantity of potatoes and they, like apples, are mande up largely of
moisture, yet they are shipped from place to moisture, yet they are shipped from place to of every 100 pounds of potatoes, 80 pounds are
water. It is bewildering when we think of how much water has been transported to and fro in Canada, and to distant countries by the movement of potatoes. It has meant earnings for the
transportation companies, but it is remarkablehow much money has been spent on the shipment of water to localities which have never been About 15 years ago in Germany someone con-
ceived the idea of evaporating potatoes. Since that time the production of potatoes in Germany as increased by 10 per cent., and now th rocery store in that country. Potatoes commonly contain about 80 per cent. of water, bu hrough the operation of drying and flaking tion of 65 per cent of moisture would mean an immense saving in the handling of a potato crop and they could be preserved from year to year. thus standardizing prices and preventing waste To our knowledge Canada has not experiUnited Kingdom considerable experimental work air system", form to the trom a come air system' of drying to be the best from a com-
mercial point of view. The process of drying is as follows
The potato is first sliced, then put into cold three to six minutes, and then subjected to a curcent of hot air, 70 to 90 degrees Centigrade
untii dry. Ten pounds of ordinary potatoes wil make a little more than 1 pound dry. This syg-
tem is also said to give good results with other

JUNE 3, 1915
THE FARMER'S ADVOCATE

In the current issues of the Weekly Bulletin
ubished by the Department of Trade and Con pubrse, this process of drying potatoes is being discussed, chieffy from information gained in Germany during recent years. As stated in these
bullotins, the cost of flaking naturally depends pon the size of the plant, price of coal or othe materials, value of potatoes and rate of wages.
Cor a small plant it is considered from German calculations that 110 pounds of raw rotatoes ca bituminous coal could be procured for $\$ 4.81$ per ton, wages per man to be 60 cents per day, and
that the potatoes used contained on an average that the potatoes used, tontained on an average
18.22 per cent. starch, that the degree of wetness of the flakes average about 15 per cent. Water,
ond that the plant operate for 150 days the total anst of production for 110 pounds of raw
cost or
potates would be, for small plants in con potatoes would be, for small plants, in connec
tion with other undertakings, from 8 to 10 cents and for independent plants operating day an night 6
iense me
ense mentioned are very difierent of cours from
would obtain in Canada, yet it is altowhat would obtain in Canata, yet is alto-
gether likely that a cheap grade of labor could be employed in the preparation of potatoes, thus re-
ducing the cost considerably. ducing the cost considerably
This manufactured article in Germany has many uses. It is employed in the manufacture of
yeast, glue, substitutes for flour, mixed with flour yeast, giue, substicuess for Hour, mixed with four
in tread making, in distileries and food for cat-
tie, and it is reported that the last use is esptie, and it is reported that the last use is cape-
cially successful. An inferior quaiity of raw cialy successtre An inferior quaikey of raw
potatoes may be used in making flakes for stock
food. Atter the procest they are light and easily digested. The dry potato does not possess the
dharp qualitites of the raw and, therefore, does not
tem.

THE HORSE. end.

Stallions are plentiful, but good sires are not too numerous.

There is no reason why a cull horse should
ever be used in breeding.
Return mares to the horse regularly if you It is well to pull the shoes off the horses $\underset{t}{\text { turned }}$. A feed box for the suckling colt will ensure a
better colt, provided it is kept clean a nd a fewe
oats and little bran supplied once or twice
daily and a litle It might be better to postrone breeding the
two-year-old filly until fall. If she is not well two-year-old filly until
developed do not breed.

The good horse is a moneymaker even in times always a losing proposition.

Never allow the colt to run in the field with
and a working dam.
give troulle under the colt and tircumstances.
Sore backs and sore necks often come with working on the cultivator, mower, binder and
other tongued implements and machines. collars and harness clean, and treat threatening
sores early sores early.

Never Neglect Handling
Too much cannot be said in favor of handling colss at an early age. Many a horse grows
obstinate and almost uncontrollable largely because of lack of handling when young and freThe oraruer and as years go by, A writureeder recerty do-
scribed a horse as a bundle of nerves plus a wonderful memory, and andes on to say that in spite or what poets arrd sentimentalists have to say If it wime his intelligence is not of a high order. any kimd of mastery over him. Perhaps his most
marked chariateristic For some reason or other he never seems to for-
get

 tind saft. ", "h tho minimume of disisomfort. he
will answer "tum at once and without trouble un-

arfycient confidence in men to answer the ordin-
gives them with which the driver, rider or theader on the and without An enormous amount without hesitation. about by negligence in handling waste is brought
This anplies
horses. This applies to all breed, but is most marked in
the light breeds, because in them nervous eneeds, because in them there is more
Perhaps it would be more
correct correct to say that their nerves are more himhly comes to work, is places the light horse, till he
cumber cumberance. Farm men, even good ones, have a
prejurie against light horses. My experiene
hat that unless a breeder has a sufficient number of light horses to employ a man to look number of
and do practically and do practically nothing else, he must look
after thenl himself, or he will find them nuslect One of the first things that pets nerlected is is the handling of the yourg horse Hepected is the handled, and handled practically, every day from
the time that he is a foal. If the handling done daily it only occupies some few handling is
if it is begun when the foal is but old, and. is careunly and intelligently done, he days
grows up in the habit from sheer ignorance of any other course wanted duct. He shouid lead perfectly when he is six
weeks old, ind im weeks old, and im a few more weeks he should
learn to show himself, to stand proper run out properly without swinging bery, and to ing forward and in front of the man who is leadI have been told, when advocating such a plan is a great deal of work to do on that there there is not time to do such fancy jobs. When I was a young man on a farm, if I said I had not
time I was told to get up an hour earlier. There


Dunure Freshful.
First-prize three-year-old clydesdale stallion at the Ayr Show, Scotland, 191.5
is time for it, it is all a matter of system, "A mare
business man is never busy," was Tom Green's
ing
ing
but business man is never busy," was Tom Green's
smart reply to a crossexamining counsel whas smart reply to a cross-examining counsel who
asked him if he was not too busy on a certain occasion to attend to some important matters. The longer handling is put off, the more it it wili
cost, and the more difficult the work will he to

The breeder may rest assured of one thingthat by neglecting to handle his young horses he
very materially limits his market. Where one very materially limits his marke. where one
man will buy a raw, wild, easily-scared animal man will buy a raw, wida, easitscared animest
ready to plunge or kick or rear at the slightest provocation, or without any provocation at all,
there a are a dozen ready and anxious to buy a
For the horse that to thenn properly handled is half broken. I say properly propeled advisedly, because horses may be handled and in a great measure spoiled. A young horse
should never be teased or played with. Never play with a horse or a loaded gun" is a sound
maxim. The greatest kindness should be used, but he should be made to understand that he is
not the master, that he has to do as whoever is not the master, that hes him to do. obedience
in charge of him wishes then comes as a matter of halit, and prompt obedience in a horse to the wish of his rider or one thing, which it it as woll to provide for it
possible, and it always hould 1, , possible when two or three mun hores should her riliaved every now and men with mual confincence it will be found that a
g but the Breed horsemen, particularly throw which will, rick wesirable wind of stallion, do a big desirashe colt. The good stallion the scrubs and harness. Mare owners hold the key to the situ
tion Con. Canda can produce good horses from the
best stock already in this country is best sock al ready in this coum
methods are followed in breeding.

## LIVE STOCK.

Little Live Stock Leaves England.
Of sinister importance to the live-stock indus-
try in America is the report of animals leaving England during the four months ended April 30 1915. During that time 239 cattle with n value ${ }^{81}$ 17,091 were exported against 939 , valued at af sho, in the corresponding period last year same rep 332 left the country arainst 466 in the pared with 21.1414 in. Only 241 horses as comthe values l,wing $\mathbf{5 5 4 , 4 7 5}$ against $£ 459,395$.

A man in Wisconsin invested 875 in a pure
hred heifer, and in nine years he was pure-
$\$ 12$, one or the cow and the herd which ofered lroumt him the cow and the herd which she had
Not bad investment; much bet
ter than mining stock

## THE FARMER'S ADVOCATE.

Live-stock Happenings in Britain. $\begin{gathered}\text { and a nicely, carried head. } \\ \text { Edward Stern's } \\ \text { Timgad, acesve warlings wir } \\ \text { Ede }\end{gathered}$ Editor "The Farmer s Advocate
Athrill ran through horse breeding circles
in England when we learned that Mr. A. G. Van. derbilt and other noted horsemen went down with the Lusitania. Mr. Vanderbito was well known
all over Britain, as a man who loved horses and showed ther for the peare sport of the thing. He
died a sportmants death, handing out life-leets died a sportman's death, handing out life-belts
to all the women and children he could reach, goto all town himself because the belt he fastened to himself at the last moment was put on the wrong
way and was practically ineffective. way and was practically ineffective
There was no more prominent figure and no
man better loved than A. G. Vanderbilt in horseshow circles in London and those held near by the Metropolis. He gave liberally and no one
ever knew about it. His quietness strong in life ever knew about it. His que
was maintained to the end.
We are getting up a fund, through the Royal
Agricultural Society of England, to help in the Agricultural Society of England, to help in the
relief of the agricultural communities of our Allies stricken by the onsllaught of war, particu-
lar reference being made to Belgium, Serbia and lar reference being made to stol
Northern France. farm implements, seeds. fruit trees, or indeed anything that will resestablish stock breeding and farming in these countries is being asked for
The wounds which the Allied countries are re The wounds which the Allied countries are re
coiving in the common cause and which we owng to our position, have etcaped, can be,
olargely healed by this effort. Not much can be largely healed by this effort. Not much can be
done at present to relieve the Belgians and the done at present to relieve the Belgians and the evacuation is efferted, it will be urdertaken. H. H.
M. the King has headed the list with $£ 100$, the M. the King has headed the list with $£ 100$ the
Shorthorn Society has given $£ 250$; and all the Shorthorn Society has given $£ 250$, and ait the
bread, societies are being aksed to down with the
dust." These breeders of stock who will offer animals are being registered, and their gifts will
go over when the enemy is driven off.
Serbia is in over when the enemy is ariven oif. Serbial
in a deperate plight. A commissioner is over
there now going into the subject of what the country wants to put it on its feet again, that is
 to get a free advertisement-so to speak.
The Irish Department of Agriculture is out to The Irish Department of Agriculture is out to
improve the dairy catte of the country. It is doing it by registration. not of any one particu-
lar breed, but of all the many which produce profitable fow of milk. Last year 137 Kerry cows were presented or inspection, and 1 wer accepted for entry in the oferial
were 115 Shorthorns offered, and all but seven were selected. The movement in Ireiand aims at the breeding of dual-purpose cattle, and
glad to note that the Shorthorm prevails.
Ireland cannot do with any breed of cattle tha
does not breed a calf capable or growing into a
good grazing sort. In Niew of maintaining hive stock, the Boar or Aricurture have issued a warning for breed
slaughter of female live stock suitable for
ing is particularly undesirable. Heifers, ewes slaughter or emaicmaty undesirable. Heifers. ewes
ing is particuarly und
and sows should not be fattened and sent to the butcher. They point out that the cost of pig
feeding may be reduced if store pigs and sows are allowed grass runs, or to run out on green crops.
This is not done as a rule in England. Although an a avidable slaughter of calves is taking place
there is no reason to suppose that it is on a large scale than usual Flocks and herds must , maintained at their maximum, and they must only
be marketed when at their highest economi velue. The Board also ask the farmers of Eng-
vas
land to rotain at least as large an acreake as land to retain at least as large an acreage as usual for hay.
ENGLAND'S First agriculttral. show. England has held her first county agricultura 105 sears old. It was good to see a show again at a time when most of the fixed exhibitions are
being declared off, because farmers are too full up of their sons being in the trenches, and thei rattling good display, and the champion bull was W. Richardson's Basing 39th, ad dark roan just
turned five vears old, full of quatity, with yoord turned five years old, fan of quatity, Fith Wikin son's spic, Champion, a few months younger
and lengthy and level in his flesh was reserve and lenthy The championship awart for cow lengthy roan. deep in her flan!, wide und cien of fumber, and with a well-shaped udder. Best
senior Hereford bull was 11 . I Ihent's Pertoon 1.ovalist, and leading junior lull way 1 .ord J. J. Cridlan won championship with Eirran
Kinght of Wicken, lys Elmston, and a massive hull standing on short legs with a remathath Jorsey bull was tre. II. 'ormer's will-mouldet


big knees and a lot of growthiness about him'
The champion Shire mare was T. G. William's Snelston Lady, which at four years old has twice has grreat scale and length and is beautifully couplid together. Her reserve now was the Edge-
cote Shorthorn Company's Blackthorn Betty cote Shorthorn Company's Blackthorn Betty, an
grand filly, by Halstead Blue Blood, L, $\begin{aligned} & \text { Bught }\end{aligned}$ out in rare bloom.
This is always a fine stieep show, and Oxford
Downs saw H. W. Stilcoe win the championshi Downs saw H. W. Stilgoe win the championship
in rams with one of rare spread and depth of in rams with one of rare spread and depth of
carcase and with good feesh. Miss Alice de carcase and with good resh.
Rothschild won the female championship with a eeve that handled well. W. T. Garne \& Son won
ieading class honors in Cotswolds. In Hampshire ieading class honors in Cotswolds. In Hampshire
Downs T. H. Ismay led in yearling rams with Downs remarkable merit, and bearing himsolf like
one of rem a nobleman. The same owner scored in ewe lambs with a ripe coterie, and with this pen won
the championship. In Southdowns the male the championship. In Southdowns the male
champion was T. R. West's leading yearling ram, one evenly ffeshed, with excellent back, loin and leg. W. M. Cazalet won the fennale ho
one in a grand group of yearling ewes.
In pigs T. H. Ismay took the Berkshire cham-
Tionship with Iwerne Lord In pigs Ti. H. Ismay took the Berkshire cham-
pionship with Iwerne Lord, one with a fine, long back and excellent ore and hind ends,
Large whites' made a good show, and R. E. W. Stephenson, from far off Liverpool, gained chief honors.
London, Eng. $\qquad$ T. BURROWS

## Where Stockmen Have Blundered.

 Three-fiths of the meat products consumed in Bryain are produced at home, and the remain-ing two-fiths come from meat-exporting coun-
tries. At the present time tries. At the present time some of the importa-
tion is being used to feed the army in Eurone and authorities have become aware of a tendency to sell for slauchter young and female breeding


The Missing Link in the Life History of the Warble Fly.
Editor "The Farmer ' A Avocate
I see in an American contemporary some re
marlis West Virginia Experiment Station, which I the are worth discussion. He, like many others, holds to the theory that the ox warble cegs "are laid on the feet and legs of cattle, are licked off, and
hatch inside the animal and live until late fall. when they are about half an inch long," ", This," he says, "is known definitely. The ex-
planation of how they get up under the skim along the cattle's backs is that they force their alay through between the muscles. This, from What we know of the habits of fly larvae, does
not seem impossible the blow fly larvae, for in not seem impossibe, the blow fly larvae, for in-
stance, being otten found forcing itsylf through cracks where you could scarcely force a thin piece way the back, as they have no means by which to crawl up a surface like the side of an wima in the missing link,"" continues the Professor in this expianation is the fact that, so far as
 as he knows, so no ne ne
has yet found $t$ h
A Cool Retreat for the Milking Herd.
unwise action is apparently unwarranted, for the
Board of Agriculture nnd Fisheries has had oc-
casion to point out the mistake that farmers and asion to point out the mistake that farmers and
breeders of live stock are making at the mresent time The L.ive Stock Journal has the following adhe attention of the Board of Agricuiture and Fisheries has been drawn to the fact that the experience dilliculty in muaintaining the normal standard of production of their holdings, especialWith regard to live stock. The shortage of
labor and the increased cost of feeding sufus, in conjunction with the high prices at which all classes of stock are selling, ares tempting a num-
ber of farmers to make an immentiato ber of farmers to make an inmediate profit at
the expense of future output and increased ro the expense of fuure output and increased re-
turns. Nany breeders are marketing their stock lefore it has arrived at matrity, and seteral danirs farmers are either reducing or dispsosing of
their herds to an extemt that is vers much to be regretted The slaughter of iemale amimals suitBoard possess strong evillence e that there is a
tendency to fat ten an unusual number of heifers. pise sums sons, then to sernd in-calf cons and in Should heronere seneral would wat to a serpinis re coumery, hantace of milhers appears 'to have
tissue between the mouth ants actually in in the back.: How, if no one has found the buots there, can the
professor prove that his thesis is . known definite i.". How can a thing be known definitely be ber I don't know how long this theory with
misssing link has been absorbed and again given Ont by entomologists and veterinarians in th
name of science. Vut we ve all recognized it as an
It it

 the bots actually in the tissues bet ween the
mouth and the lack,". Prof. Peairs, would have Tearned of it in the literature of his profession
which is volun inous. The fact therefore that nolody has yet found the bots in the tissues be tween the mouth and the lack, brands this ver
pretty theory as almost pure imarination on thi part of its originator, and in my humble opinio
lurand
 nocent young gulls, ready with open mouths to
swallow any hink dropped into thim in the name


 Iom onls "layman, concerned with vanse and
 many pedionre and beef herds, of rearing two or chree calves on the same cow, more especially
having regard to the high price which store is likely to command for some time to come. The
Board trust, however, that the production milk for market will remain the primary consid eration, and with that object in view the employwomen milkers might be gre Such teaching as is contaimed in this announce-
ment by the Board of Agriculture and Fisheries ment by the Board of Agriculture and Fisheries
is quite applicable to Canada, where sone unwise disposals of live stock have been made during the last year. The si,gns of the times all
point to higher $y$ yrices, and a shortage of breede
lish
couef
had
of
Thi
Thi

help link. Nor

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JUNE 3, 1915
THE FARMER'S ADVOCATE.


Cow Troubles.

was suck in her throat. She was half choked,
for her eyes were popping out, and she was red
in the face-or at least had the same expression
俍 in a human being has wherr red in the face.
that a
with mustomary presnce of mind With my customary presence of mind I rushed to
her side and beyan to slap her on the back the same as we do to the chitrren when they choke
on something or when something "goes down the mrong way, But it did no wood, and the slap-
ping made her loott to her stall in the stable. immeedery hegan to feel her throat, and was
not long in discoueriny a lume that semed atout not tong in discovering a lump that seemed alour
the size of the missing ruther hall I then ofl-
lowed my usimal mractice when in real trouble. sent for a neightor. . . .

 firmed this of her wirind-pipe. My neighbor con-
what I shion, but he could not suggest is the troulle with my cat cle Te They are alit the
time toiny thinss that are outside of the common
time time doint things that are outside of the common
fund of experience. Other people's cattele sem to
cond confine themselves to ailments that can be
treated according to recipes given in the Veterin-
res. ary Guide or in the track mumbers of "The Farm-
er's Advocate." hut nuine are ali the time Aloing
somethen something unextiected. Still, I got a line on
what was an entirel. newt wrinkle to me. A per-
son of exnerionch trought me a beetle ring and son of experience brourht me a bete. ring and
told me that the way to dislodge a substance trom a cow's throat was to open her mouth and
keep it open with the beetle ring. Then I could
sil keep it open with the beetle ring. Then I could
slip
obstry hand throush the ring and remove the
obstion with mis.

 commenced chewing her cud, it was considered un-
neessary to tw ine operation. And speaking of
her her cud- she showld not he in any danger of "lose
ing her nud in the near future. That rubler
ball should



$\qquad$ think of the suggestion. If I could only get
scientific endorsement for the scheme I would have no trouble in promoting a company to supply
rubler cuds for cows. Anyway "Beans", seems rubler cuds for cows. Anyway "Beans" seems
to have suffered no inconvenience from having
swallowed Swallowed that indurated knob of gutta percha. minking she hastily picked up a nice clean corn.
cob and put it down as dessert to the rubber ball all of which leads me to believe that she in-
herits her grandmother's dipestion as well as her appetiter I amm willing to to bet that a post
ampell as her
mortem of junk that would give impaction of the rumen to an ostrich. Still, if any authority on cows
thinks that having a rubber ball in her midst minks that having a rubber ball in her midst
may he injurious to "Reans", I wish he would
write and tell me what I should do

And now having asked for help there should be
no objection if I offered a couple of sugstion seem to me to be valuable. Of course, they may
be quite well known, but there are sure to be quite well known, but there are sure to be a
few backward farmers like myself who will be glad to be enlightened. The first deals with the
value of the old-style wire fences when feeding value of the old-style wire fences when feeding
calves. The most annoying thing about feeding calves in a pen is that when trying to teach a
new calf to feed without the finger a man usually new calf to feed without the finger a man usually
has to step inside. While he is wrestling with
the the beginner other calves whil tor get nourishment from his coat-tail, oc casionally administering/a bunt to exprèss dissat
isfaction with the taste of the cheap dyes they isfaction with the taste of the cheap dyes they now use in cloth. If you have the right kind
of wire fence around your calf pasture you can keep on your side of it and let the calf stick his
head through. As his head is the part you real ly have to deal with you can gradually teach him to take his milk without inhaling too much
and at the same time you have less trouble in slapping interfering celves on the nose. The wire
fence has robbed calf-feeding of half of its terrors fence has robbed calf-feeding of half of its terrors
for me. So much for that suggestion. The other for me. So much for that suggestion. The other
has to do with greedy horses. One of our horses
usually tries to get all her oats in one mouthful, and when she tries to chew them she scatter,
them all over her manger and stall. On advice, we have put several corn cobs in her feeding box
and now when she is given her oats she has t ake now when she is given her oats she has to
take reasonably sized mouthfuls and there is no

## FARM.

Look Out for the Army-worm.

## 

## -

Mature Army Worms.

|  | Mature Army Worms. |
| :---: | :---: |
|  | 5 and most pleasing part |
|  | consecutive years. It appears that the |
|  | In is seldom abundant in dangerous mum |
|  | ng an outtreak many parasitic insect |
|  | arastle din |
|  |  |
|  | *eason of 11995 was dry or |
|  | 996. In this latter year the army worm was |
|  |  |
|  | asted firlas of oots, timothy |
|  |  |
|  |  |
|  |  |
|  |  |

the worm. It is hoped that nature, through bers of the army-worm to preclude another attack this summer. In case history should not epeat itself it would be wise for farmers to
on the lookout for this dangerous worm. most severe attack has always occurred during the month of July or the early part of August. The worms, which are the larvae of a night-flying moth, are hatched and usually assemble in low-
lying lands. When the number is small they may not be noticed, but when the army becomes larger they begin to migrate in search of food material.
This is when devastation begins and the harm is Although the army-worm may not be heard from this summer it would be well to watch for it, and look for it very closely. Last summer til they noticed pastures going dry from no apparent cause, and grain and hay crops being
denuded of their foliage. When detected in time denuded of their foliage. When detected in time
their depredations may be checked by ploughing furrows in which post holes are located every 6 to 10 feet. Into these the worms will fall as
they gradually move across the field. With the they gradually move across the field. With the will be unable to make further progress and will perish. Poisonous materials have been used quite extensively, but farmers should band together up-
on the first appearance of the worm and endeavor on the first appearance of the worm and
to check its progress across the fields.

## Can You Kill Bindweed

 Although not as widespread as perennial sowthistle and twitch grass one of the woret in Ontario, of in fact in any other Province in which it occurs, is field bindweed. This weed should not be confused with the ordinary bind-
weed commonly known as wild buckwheat. Wild buckwheat is not a pernicious pest, and belongs to an entirrely different family. Field bindweed is perhaps the hardest weed to kill known to Can-
adian agriculture. It is a persistent perennial with extensive creeping rootstocks which spread the weed in patches, and which when drawn to
other parts of the field by implements or other parts of the field by implements or maof the pest. Many call the weed wild morning glory because of the resemblance of the flower to the common morning glory. There can be no
mistaking the weed once it has gained a foothoid, but farmers should be on the lookout thoroughly destroy any isolated specimens of the plant or small patches which may appear. Once
it has gained a foothold in a field it is practicalit has gained a foothold in a field it is practical-
ly impossible, under ordinary systems of cultivaion, to get rid of the weed. In one of our fields when the farm was purchased. In. 1912 , which eaders will remember as a wet season, the land once a week all summer-fallowed and cultivated When conditions favored the rapid growth of the weed cultivation was made as close as five days
apart. The following season the field was planted to corn which was thoroughly worked, and last i,uck wheat after a thorough working up to into the first of July. The bindweed has been kept in check, but has not been killed. Patches of it
appeared in the buckwheat last year, and will sear, show themselves in the oat crop this
yindweed might be killed were it possible io keep cultivating it year after yeare so posfective-

1. as to keep the plant below the surface of the Iy as to keep the plant below the surface of the
ground, but in ordinary farm practice this is too expensive. The average farmer does not care to summer-fallow a field two or three years in suc-
cession and cultivating every five days when large area must be gone over is practically out
of the guestion. Remedies set forth in favor a short rotation of crops, and the frequent Some practical farmers have recommended heavy applications of salt to small patches where
they occur in fields. Prof. Howitt, in his bulletin "Weeds of Ontario," says that the weed may be kept in check by the frequent introduction of
well-cared-for hoed crops, the shorter the rotation the better. Clean cultivation early in the season followed by the sowing of rape in the sealls at the rate of $1 \frac{1}{2}$ pounds per acre about the first of
July is aboot as successful a method as any of combating the weed. The rape may be pastured
in the fall. We remember seeing a patch of this weed in a garden some years ago and the owner Covered it deeply with manure, but he did not
succeed in killing the weed which spread to the
sedres of the manure and thrived well all around the outside of the garden.
There are many methods in use to combat the
pest, but so far we have heard of none which will pest, but so far we have heard of none which will
permanently rid badly-infested fields of it.
Wio invit.e readera permanently rid badly-infested fields of it.
Hie invite readers to give their experience through
'Hen" Hawks. Editor "The Farmer"b Advocate I believe I have seen in your columns the state ment that hen hawks were not hen hawks, only in
name, and that they do not take or kill chickens ame, and that they on referring to the hawks with feathers some what speecklyd or barred, and which are in th habit of soaring quite high and screaming loudly To-day as we were sitting in the house we heard a commotion outside as thouth each other in cawing. Tipon looking out we saw a large hen hawk, quite high in the air, and circling
around him were the dozen crows, each semingly rying to get a swipe at him or trying to scare him. The gun was handy in the corner of the kitchen. I grabbed it, ran out and fired in ${ }^{\text {a }}$ hurry and the hawk came tumbling down not
 prize, which was one of our plump chickens for or five weeks it began to examine him, and he hawk was not. I began euld take another hold of mushicken for he grabbed nie by the hand. He did not try to give me the high shake , but contented
imself with squeezing it pretty sharply, for his himself with squeezing it pretty sharply, for had
talons sunk deop in the fleshy part, and if I had toot got help in a hurry I might have put my foot
not on his neck, handshake, and I
was in his wing.
He had taken at least one of
 winner, and I spoiled his chicken dinner. Look out for the hen hawk even if he is not a hen
hawk. trom tip to to of wings when spread.

## THE DAIRY

The "Over-run" in Buttermaking. ditor "The Farmer's Advocate" At the opening of the creamery season we about the "over-run" and the number of pounds of butter which may be made from 1001 lus. of "butter-fat.". In spite of all that has been writ lange number of patrons of creameries wno desire information on this problem, so at the risk of
repeating some things which have been written repeating some things which have been writter rather recently, we shall devote this article
brief discussion of "wover-run" at a creamery.
First, let us gain a clear conception of what is meant by the term "over-run." In a word, it
is the excess of butter made, over fat in milk or cream, which is usually expressed in terms of per cent. The "excess", or increase is due to, an
incorporation or mixing with the "butter-fat," ertain amount of water, curd and salt, to make what is commercially known as butter. Ther
amount of water, etc., which can be incorporated amount of water, etc, which can be to cornditions
with the milk-fat varies according to cond and the skill of the buttermaker. There is $n$ legal limit for curd and salt in butter, but there
g for moisture, which is placed at 16 per cent. is for mois.
in Canada.
Another factor which causes a variation in the over-run, is the loss of fat in handling the milk
and cream. In the process of separating the fat and cream. from milk, a certain amount of the or cream from mik, a certain amount of the
milk fat is lost in the skim-milk, consequently the over-run is less when based on milk-fat calcula tion, than when based on cream-fat. In a whole
milk creamery, that is, where the niik is delivered by the farmer and the cream separated by large power machines, an over-run of 12 to 15 pe cent. is considered good practice. In a cream-
collecting creamery, the over-run should be from collecting creamery, the over-run should be fron
15 to 20 per cent. Some claim to be able to make a 25 per cent. over-run, but this is usually due to some error in fat calculation, as our best.
creameries have an over-run of about 18 per cent. creameries have an over-run of about 18 per cent.
for the year. On this point it might be well to clear up
misconception on the part of some. $\begin{aligned} & \text { then }\end{aligned}$ w speak of an 18 per cent. over-run, we mean that
100 lbs. fat have produced 118 lbs . butter, not that 82 lbs . fat have made 100 lbs . butter. The term per cent. is applied to the fat and not to
the butter. This difference in meaning of term may account for the difference in results a expressed in the form of over-run by differer.in
creamerymen. When a man says he had 20 cent. over-run and explains that for every ${ }^{\text {go }} 11$, ,
fat he made 100 lbs. butter, he really had a per cent. over-rum as will be seen by the follow

> On 80 the over-run was 20

On 100 the over-run was 20 ono $100-25$ over-riv a varyivg Fictor.
indicates carelessness or dishonesty. This is not a commission basis; he maintains mis reputatio indicates carelessness or dishonesty. to consist of as a skilful buttermaker, which is something he
so. Analyses of butter show it the somewhat widely varying components or parts, should guard jealously; and he is honest in he his
som although these usually fall in ordinary creamery weights for customers who buy his butter, whicl
practice between the following limits for each is an important factor in securing and holding constituent :

$$
\begin{aligned}
& \text { Milk-fat ................. } 80 \text { to } 85 \text { per cent. } \\
& \text { Water } \\
& \text { Salt................. } 12 \text { to } 16 \text { per ent. } \\
& \text { Curd } \\
& \text { Cund }
\end{aligned}
$$ ase in thousands on boves arge aggregate. mossiole to expect a constant over-ri. In addition, there is loss of fat in the butcer at a where prints are made as a



Peace and War in Northern France Destruction and construction side by side. An armored car passes while the farmer $56-\mathrm{lb}$. box ". If the butter works his fields. Copyright by Underwood \& Underwood, N. Y. 10 a pound ought to be fat; loss of fat in handling the cream when trans- the package hold out weight when purbutter by particles sticking to the inside of churn seems excessive, pand will lessen the fifty-six
and worker, dropping on the floor, and in over- considerably in a large creamery. In addition weight allowance on prints and boxes. Some it is more or less unjust to the patrons, as this buttermakers are careless about leaving pieces of cxcess ancigre patrons an acter cost in manuand allowing hutter to drop on the floor-these for making. If the creameryman buys the milk are losses which can be avoided to some extent or cream outright on a fat basis, he is usuall by carefulness, but in the rush of work about a creamery there is bound to be more or less of The question of allowances for print butter could wish for greater uniformity in practice. HORTICULTURE.
Insect Pest of the Turnip Crop. wrapped in wet pat
ther - garden aner cress and
 is just nicely up. What to prevent them?
year they destroyed
$t$ The small, blackish insect eating the leaves of turnips and Turnip Flea-
evidenty the The it attack also
beetle. It at the leaves of radishes and
many other plants of the same family, for instance,
vild mustards.
Not inrequently turnip crops are
comptely destroyed
by ne adults eating off the
houng leaves as soon as they appear above ground. Usually it is early, or moderatelyeariy so sun
turnips that suffer in this
way. In $_{\text {such cases. if }}$
the ground is again put he ground is again put
into condition and the
then

Germans Plowing Fields in France
Work is being done by huge motor plows owing to the scarcity of horses in harvested. The reason for
this is that the beetles of th is first generation
have almost all dishave a 1 most all dise
appearect by the time these
A nother method of appears to be excessive and when calculated on a later-sown turnips are up. Another method of ery means quite a lessening in over-run and a as soon as they appear ahove ground with 4 ths. considerable loss in actual pounds of hutter given paper and the frints of liutter whon stripped are carcely 16 ouncers in weight. What should be

The Turnip and Cabbage Aphis is a smal on cabbage and turnips, especialiy on the unde
side of the plants. They are seldom very notice side ountil about August, but after that date in some years they become so abundant that almost
every leaf is covered. The leaves beevery leal in appearance and the plants are dwarfed in growth and not infrequently be may be smelled half a mile away. Fortunately
this pest ony occurs in destructive numbers once r twice in a good many years, weather condi-
tions. disease and parasites controlling it the

MEANS OF CONTROL.- 1 . Where possible, a the refuse of plants should be got rid of in
autumn by feeding or ploughing down, because the eggs are laid on this. 2. Turnips or cabbaxe should not, if it can be helped, be planter soon as a plant here and there is seen to be in b. common laundry soap dissolved in boiling soft water, then diluted to 4 gals. The insects should en hit hard with the spray mixture to make peneirate bodies. A boy to help in examining th eaves and to turn them up to the spray will be great assistance. Later spraying with th me mixture is sometimes necessary.
In gardens in cities or in towns this and many vagetable or bush may often be very satisfac orily controlled by turning the garden hose on them and blowing them off the plants, to which
very few will ever be able to return. The garden hose is a most efficient insect destroyer if care
fully used. The so-calied '"Turnip Fly" will nearly always rove the Turnip or Cabluage Aphis.

> L. CAESAR.

Fewer Varieties for the Orchardists Editor "The Farmer's Advocate":
As soon as the individual starts farming $b e$ bumps into the problem of marketing, and if he obstinate problem there is in agriculture. Now, his article is not a solution of the whole orobleml of fruit marketing, but it will give you an
insight into the workings of one of the Okanagan organizations. A short time ago an article in your paper, written by G. C. Caston, suggested that our way of approaching this question may the East. It was noted the hame difficulty difficulty crops up from the handling of man varieties, particularly in the case of apples. And it is this particular phase of the subject
which $I$ wish to deal at the present time.
Mr . Jones buys a piece of land, and he intends which fruit trees are advertised. He looks it over and finds Stark's Delicious pictured most
appetizingiv, suid (by the nursery) to be the best apple grown, and he decides he will have some of
aphem. Then he he finds the Winter Banana, that lovely apple o the Dry Belt, described in all its beauty. It must
be a fine apple, and he will have some of that variety. Then Mr. Nursery Agent gets of that of
him, and tells him. bim, and tells him that there is no apple that
has the flavor nor the quality of the Winesa has the flavor nor the quality of the Winesap,-
hot the Stamen's Winesap, but the oid Winesap, ot have some of that variety in his orchard; so to a cides he will have some of it. Then he goes
to armers Institute meeting, and he hears
hem discussing the ern Spy, Jonathan, McIntosh Red, and by the time they get through he hardly knows one from
the other, but he has decided that he will have
to get some of get some of about 15 varieties in his orchard
order in have the best, so he puts them in. Now, that is just about exactly what has hap-
pened in this district. Perhaps it may seem trange to you, nevertheless it is true. The place
we bought when we came here is typical We bought when we came here is typical. Upon
investigation we found it to contain 17 different varieties of apples; 8 different kinds of peaches,
6 difierent kinds of plums, and,-but there is no 6 difierent kinds of nlums. and,-but there is no
ase wasting time telling the different
varieties
 ers' meetings, at one of our recent United Grow-
against he got up and protested
ped ped as No. 2 .s. The president was discussing
our new mareting scheme for the boosting of the
O. K. strongly recomand and suggested that the executiv
they diferent unions that
theduce to 7 the number of varieties that hey reduce 10 7 , the number of varieties tha
would be elipitle to be shipped out under th
O. K. Brand.


But single handed the growers are not in
position to convince the people of this fact unitedly they can do so. But it is only to b achieved by consistant, constant, efficient advercising, and advertising costs money.
It is eventually going to be thrust upon the farmers to take this step, in order to relieve themselves of the great ditticulty in marketing,
not only the United Growers, with fruit but not only the United Growers, with fruit but
farmers generally as soon as varieties of any farmers generally as soon as varieties of any
kind of farm produce starts to confuse the purchaser, as they are now doing. If they are go-
ing to be compelled in the future to at.tend to it, why not take time by the forelock, and at tend to it now, before there are many more varieties introduced, and much greater loss
suffered through the necessity, that will be in evitable, of top-grafting our orchard, and so discourage the seed merchants from the introduction of new varieties by which they may fleece the agriculturist through effective and attractive ad-
vertising. Many will say that this will retard or even discourage progress, but this weed not be so, because there is plenty, of room to work upvarieties of trees and the inherent tendency of grain seeds, etc. to yield a better crop. This would make it possible for a group of agriculturist to advertise effectively, but the energy that the farmers that will induce them to top-work ducir apples, and it is a hard proposition to in-
duce a man to throw over some vet variety that he has already planted, even though it has been made a pet for him by an irresponsible agent We are in the same
diflicult position in
which the automobile which the automobile
merchants found themmerchants
selves a few years ago,
when they ca me up when they c a me up
against the problem of against the problem of
selling their machines.
. seling their machines.
Their prospective cus-
tomers invariably tomers invariably
threw the argument up get parts fo chines from anyone but you, and your factory
is too far away. So. and-so's factory is nearer, and we will
have, to buy proin meet this argument. effectively, the automobile manufacturers got
together $\mathrm{and} \mathrm{th} \mathrm{H}_{\mathrm{y}}$ standardized, may seem surprising years they standardized yeare than one million
morts. It is time for parts. It is time for
us to standardize ou $r$ varieties, and make
them as fit as possible. w. M. WRIGHT

## Where Pears and Small Fruits are Trumps.

On the North-western shore of Lake Ontario is a little heavier soil which extend a portion of the province to which man has given the lake in the neighboraod of Bronte, the shore
limits and named the County of Halton. These line between Hamilton and Toronto is practically confines were fixed in the course of a few weeks, are ideas, neighborly associations and sentiments perhaps, and with chains and instruments lines were projected that placed neighbors under diferent municipal governments and under different turies upon centuries developed a portion of the country, and endowed it with soil and climate suitable for the production of fruits and vege-
tables. This beautiful tract of land now called the Burlington District at one time was encum-
bered by a huge field of ice. That was centuries ago when the avalanche came slowly down from the north and crushed beneath its weight the and centuries followed and the ice and snow disappeared, but in its place on the southern side of these lake counties remained woll was known as nhliged to escape southward through the State of
Vew Jork, for the St. Lawrence Valley was then full of ice. Later the way opened via the St. an all-Canadian route to the sea instead of a country and unpatriotic course the shore line of old Take Iroquois is still discernable, and between the Burlington District.
Districts are difficult to define. The boundaries depend upon soil, upon climate and upon shipping
the peach industry almost entirely to the sister district across the arm of the lake to do with
it as they will.
However, in the production of apples, pears, sour cherreres and small fruits they
will consider no second place. Lying, as the prowill consider no second place. Lying, as the pro-
ducing area does, part way botween the two ducing area does, part way wotvent one on the
largest cities in Ontario their advantage largest attees
market is onhance through proximity, and when
the improved highway, now under construction, the improved highway, now under construction, links Hamilton and the Queen City the writer
makes bold to predict a busy stream of moto makes placing fruit and vegetables, fresh from
trucks
the orchards and gardens of the Burlington Dis the orchards and gardens of the Burlington Dis
trict, ant the door of the consumer or dealer. Little the busy man of urban surroundings Little the busy man of urban surroundings
knows of the trials of the fruit grower. Fertiknows of the trial of the fruil ty two factors in
lization and culivation are only tro the operation of growing saleable fruit. Misitors during the last week of May would see ehe mhe
mist of spray projected towards every tree, while the mechanism of the gasoline engine thumped and thumped and got hotter and hotter. After
all precautions have been taken to encourage size all precautions have been taken to encourage size
and to secure perfection in the fruit, comes the and to secure perfection in the frast, of all that
 Scientists have developed practica and ad ands
cient methods of controlling insects and fungous cient methods of controling insects and wangous
diseases; learned men have deternined ways and means of feeding and fostering plants so they
will vield abundantly; experts can show the grower what to discard and what to pack in attrac-
tive containers, but Science. Wisdom and Experience combin $-d$ have not yet inaugurated a ssstem of marketing through the efficiency of which after the transaction, the scantiness of his purs. Influences have been at work which have, to some extent, solved thp marketing problem in
this locality. As early as 1831 at few growers this localty sell thair co-gromerative combined to sell the the lapse of a single season
manner. Wi.thout the manner. Ni hout the lapse of a single for over thirty years. It has an unique record for stabil-
ity and elficiency. Theorists have frownsd upon it because no tiember deposited money or bound lt imecause no mete miver noposited bondiples of co-operation have presaged for this movement an inevitable calamity because each grower packed his own
fruit used his own hrand and retained his fruit, used his own hrand and retained his
identity. It was the first body of growers in Canada who united to handle fruit in a co-operative manner; simplicity was the watchword, rifhtspite of the lack of conformance with co-operative laws it stood the test, because the spirit was there. The society has only included about doubt, assisted the whole district through its eflort to reach different markets, standardize packs and improve on the older methods of buying and selling goods. Other men and other
means have contributed to the peneral advance of science and practice in that locality, but this fraternal effort with the spirit of co-operation has been a strong factor and a third-of-a-century
record is proof of its usefulness.
The Old Country market has been exploited by the Burlington growers with considerable success, especially with apples and pears. Although shipping is encomBritain still rules the seas, and the growers Fook
forward in 1915 to another season's trade with forward in 1915 to another season's trade with
Fruitgrowing with its filler systems and intercropping "ay be considered intensive, but the of culture and concentration of labor. A twentytive acre plant is enough to engage the attention of the owner and effirts of many hands. This
fertile district on the shore of Lake Ontario thears the resemblance to the departmental plan to a
marked degrec. Onions, lettuce and many garden marked magree. now be seen growing side by side. whie a little later the more tender kinds will end ind themselves expocsed to wind and weather in the fields. Then the color scheme will be com-
When every rood of ground is clothed with Erowing vegetables and berries, the odor of which excites the palate and it in turn finds ssmpathy heyond, the gardener may wethe Itrmior whose
vant of the Department of the Interior whose "ob" is sure despite any change in Government.
He is ministering to the inner wants of man, and He is ministering to the inner wants of man, and
his success depends upon his services. his success detends wapon loads of frech vecetatles


 cess to the fact that the surface tayer if ex
paciage dericts the contents bemeath. If the ex posed product is not what the buyer wants h Curs elsewhere, but he never tivgs down on Th. wan through his manner of packing. Thit Noward manner, and his reputation is at stake
with cury article he sels. This man, we trust.


THE FARMER'S ADVOCATE.
same, and the instance is only cited to emphasize
 is trustworthiness,
I.et us not consider for one moment that all the luscious fruits and vegetables found upon our
tables were produced with little effort. Soil and tables were produced,
climatic conditions are responsibte in part, but nature is varied in its way, so kind sometimes


A "Two-six" Carton for One Dozen Eggs.


Cartons in a Thirty-dozen Case.
Cartons pack very conveniently into a case of this si, e.
but yet so stern. The grower must be resource Iut, alert, energetic. In one berry patch could formed into a heary smudre that might dissipate the frost. Another grower was uncovering potatoes where he had spent several hours on a previous night piling soil upon the plants, whtiee nearly the owner complained of some of the canes failing to leaf out. Upon examination it was found that the snowy-tree cricket had laid its
eggs in the canes, and the young larvae were
getting in their destructive work. Others were
spraying; not only fruit frowers but yoner spraying; not only fruit growers but vers were
growers as well, for the blight has become common on the celery that such precautions muat taken. The frost which did such damage on the night of May 26 was rather lenient in this district.
Near the lake little damage could be detected iarther back a fow tomatoes, recently sete, found the atmosphere rather cool. Growers were not complaining of any serious loss: Some fruit hot
been touched but there was still a fair and been touched but there was stion a fair amount
uninjured. Adversity, alt housh not welcome, is overshadowed by the prosnects and the rewe, is
of living in a community like the Burlintords of living in a community like the Burlington Dids
trict. The process of time has wrought there trict The process of itse has wrought there peculiar conditiors of its own making, and now
farmers are taking advantare or them in this
fand

## POULTRY.

## Speeding Up the Farm Hen.

 The major portion of Canadian farms of 100 urn a net profit of $\$ 100$ annually. This coul do done as a supplementary enterprise, and should not entail additional hired labor or an appreciable outlay of money. Corn fieids, orchards, nd most hoed crops are a suitable place to poultry to forage. Shade, insects, worms and grubs are all provided free. Where the colony. house system is used the hens and chickens can easily be transported from place to place so tha the many acres of the farm will be growingchickens in addition to the general farmi crops. A famous iournalist once said: "Out of every seve, who go into the poiltry business, seeven
fail," Since the time of this utterance consider-
fal fail." "Since the time of this utterance consider able information has heen rained regarding
poultry, and disseminated broadcast over the pourry, and
country. This advantage, which present-day poultry-keepers enioy, is not suthlicient, however lish allow the faddist or the weal mak man ants with out personal supervision and previous knowledge regarding poutry. The cruse of many falures lige plants the cuerator has at his command Ex pensive buildings and full grain hins will not pring success. The manager of the plant must have a practical and thorourh knowledge of
handling poultry, as theorics fail when disease insects and pests make their attack. However, on the 100 -acre-farm where the poultry can be dancers annualy as the crons mum rutated the keeper of the flock must have an interest in them, else the profits will be small. Colleqe 341 hens and pullets were experimented with from the firs of October to Sentemher 1 of the onlowing year eggs for 11 months to be 13.08 cents: the average cost of feering each bird per mon, for

egge per tird for 11 months amounted, to 115.8, majority of Canadian farms. Through an effi-
while the average amount of feed consumed per cient marketing system it will pay handsomely bird (males included) in 11 month, was: grain, and add to the revenue of the farm. Some mem-
68.9 lbs., or 6.2 ltss . per month; milk, 81.6 lls., ber of the family should be responsible for the or 7.4 ths. per month. More recent work with liock, as 'everybodys' business is nobodys' busi-
266 pullets for 11 months, beginning with Novem- ness," and the poultry will suffer. Establish the
ber, resulted in an average egg-cost per dozen of chicken department of the farm on a business ber, resulted in an average egg-cost per dozen of
11.5 cents; the average cost of feeding each bird per month for 11 months was 10.6 cents; the
average number of eggs per bird for 11 months was 127.7 , while the of grain, and 6.3 lts. per
6.2 lts. per month of milk. The following are averages for
month of milk.
thrée years:
Average
cost per dozen eggs for 11 months,
Average cost of feeding each bird 12.1 cents. (males included) 11 mronths, 10.6 cents.
per month (inerage number of eggs per bird for 11 months, Average number of eggs per bird for 11 months,
122.6. Average amount of feed consumed per bird (males included) 11 months : grain, 67.6 7.1 Ibs. per
These fif
egg produc egg production, and the average amount of food
consumed. In one experiment were 266 pullets, and in another 341 hens and pullets. In both experiments 5 different breeds were included. This
is sufficient data to show the cost of producing one dozen eggs. Let us now see what their mar-
ket value might be.
In Prince Fdward Island on December 31, 1915 In Prince Edward sland on, December ough co-
over 500 members sold their eggs through pre
operative egg circles. The average gross price operative egg circles. The the circle was 26.5 cents. The average net price to members was 25.3 cents. Calcu-
lations based upon these figures given for production and marketing show that there should be a
profit of 13.2 cents per dozen. From the figures of production given it would appear that a hen
should lay in the vicinity of 10 dozen eggs in should lay in the vicinity of 10 dozen eggs in
11 months. This means a profit of $\$ 1.30$ per
hen. It should be remembered that cost of buildings, yards, and labor is not included in this ex-
perimental work, yet if we deduct that also there Experimental work with raising chicks has
shown that a farmer can, in his fields, raise a four-pound cockerel from 13 pounds or 14 pounds
of grain. This anount of grain at $\$ 30$ per ton of grain. This amount of grain at $\$ 30$ per ton
would be worth 21 cents. The cockerel would
sell in the market for at qeast 40 cents, and if sell in the market for at 1east 40 cents, and if
fattened it would be worth 60 cents. Several years' figures at the Ontario Agricultural college pound of gain in live weight.
These somewhat extensive figures are given only to prove that with proper and intelligent handing poutry will return as large dividends on
money invested as any other class of iive stock
kept on the farm. Fverything may move smoothly until the question of marketing looms up, and co-operati, e egg circle is bessisting won-
The collyy in the disposal of poultry products, particularly of eggs. Those who live near centres of population do not experience the difficulties
that impede the progress of the more rural poultryman. With a consuming populace near at
hand it is an easier matter to command business, yet, through an organization, poople who live the products of the various farms, and sell quite ns successfuily as the suburban dweller. For some
years the Live Stock Branch of the Dominion De-
partment formation of egg circles. The object is to en courage production of a better quality, and at the
saine time arouse interest though the suctess same time arouse interest through the sucress
which usually attends such an institution. Where a Farmers' Club or any society evists it is usual-
ly quite easy to organize a circle within the parent organization. An egg circle should have
its officers like commonly organized associations, and a manager should be hired on a salary or a commission. On the manager depends the suc-
cess of the organization. It is not necessary cess of the organization. It is not necessary
that he know how to make hens lay, but he must
know manager should be a business man or a man with
busines The eggs produced by the various members are
assembled at one center anu disposed of from
there. Fiach indi.jidual egy is stamped with the assembled at one center anc dispoosed of from
there. Fach indi. idual egn is stamped with the
number of the member, and other marks to indinumber of the member, and other marks to indi-
cate the circle from whence the exgs come. In
some casic the popular container is the "two-six", carton. In
large quantities thev can be purchased for less than one cent each, and this size packs con
veniently into a thirty-dozen egg case. Usually
inforit information is stamped on the carton, indicating
the eggs as stric*ly new-laid, telling as well where
they well they were produced, and where more just like
them can be procured. The advertising effect of
this can a convenient carton is pronounced. They make in which the consumer may
carry homen carry home a dozen eggs, and when the package
is empty the buyer is quite likelv to ask for the
same brand arain tolels, restaurants, diming
ser services on transportation lines and the general goes to market via the egg circle.
More poultry could be easily cared for on the

## THE APIARY.

Beekeeping Report and Apiary
Demonstrations.
 Nere sent by the Department of Agriculture to a
large number of beekeepers in Ontario. These summary of the winter loss, condition of the
bees and honey crop prospects for 1915 taken from them. Nine hundred and ninety-three
beekeepers reported 37,317 colomies in the fall, and 31,310 colonies in the spring, showing a win-
ter loss of 6,007 colonies or 16.1 per cent. This was largely due to the unfavorable breeding seawinter quarters with large numbers of old bees quatty of the stores, causing granulation, which gives unfavorable results, as in districts where mare comparatively small, This years, and if we were to judge by last year, some crop failure following the lightest winter loss reported considering these reports it must be rememebere that only one in seven who received the blank sent reports, also that the inclination is not ther report failures but only successes. that the sender was "not a beekeeper" in many
cases having lost all of his small apiary without giving numbers which could be used in making an estimate. It has also been learned that some porting in the regular way. It seems that cither solved, even by the specialist, or else he is not always putting all his knowledge into practice The colonies that survived had an early cleansin, pell in and bril. The first reports received indi cated that the bees were in a weak condition, bu reports that arrived later show the hees
building up rapidly and in fairly good condition. The honey crop prospects vary considerably il the different districts. In the southern countries, prospects extremely bright. The crop outloo about the Georgian Bay is only fair. Farther tion of bees and crop prospects are poor. In the extreme east the early reports were bright, bu later ones show spring crop. It is impossible to determine with any certainty the honey crop prospect at this date, as a late frost of a pening, the rapidity of the building up of the colonies, the qreat auantity of pollen collected, and the generally promising appearance of the the beekeepers who have wintered their hees. Judging hy the heavy winter loss, however, this year. interest has hepn shown in the apiary demonstrations conducted throughout the Provincial Apiarist. The attendance at the fifty-five meetines held during the season of 1914, averaged
34 , while in 1912 the average was 25 . Tnexcelled opportunities are ofered those nresent to have demonstrator, having the apiary and the equip-
ment at his disnosal, is abie to illustrate his remarks to great advantage. The metines are
held in the aniarics. Hives are opened, and the Workine of the colonv dianlaved. Attention is
 are also discussed and the terme the experienced
ly snent hoth for the hecinner and of a wintering
heekenener. The us of models ons case for wintering four coloninc anth ors will the
an intresting addition to the mentinss to be
ald der way for two demonstrations in each county.
The date and place of meeting wiil he announced
in the and is. From presont indications these meetines alue to the heekeeprors than ever brite to the Apiculture For full rarticulars write to the Apiculture
Department, Ontario Agricultural College, Guelph.

## FARM BULLETIN.

Completed Grand Trunk Pacific and the 1915 Crop.
May ${ }_{6}$ gave in fairly complete outline an account of the construction and mileage Pacific Railway, from Moncton, New Brunswick, to Prince Rupert, B. C., on the Pacinc Coast,
with the lateral southward from the main line to
tat Ft. Hilliam on Lake Superior to tap and feed
the Great Lakes traffic. An indication was given of the remarkable speed with which so vast an
undertaking was accomplished, and its very high undertaking was accomplished, and its very and curves and general excellence of construction
Since then additional specific information has Since then additional specific information has
been secured in regard to actual tralfic conditions The road has, of course, been in operation for some years between Ft. William and Edmonton,
Alberta, and since last fall to Prince Fupert. Though the mountain section is still a little unsettled a regular service three times a week is tonctained. The road between Winnipeg and inental," Since last year a local service between Moncton and Levis, Quebec, has been operated way the management of the Intercolomial Railwith the Timiskaming and Northern Ontario Railway, there has heem train operations by the con"ractors under arrangement with the Department complete, and it is the intertion of the Government to put on a service from Moncton to Winniin prior article, makes the connection across the St. Lawrence River, from Quebec city to Levis
pending the completion of the bridge at that point. Legislation enacted at the recent session o tare which is the property of the Grand Trunk Railway Co. between Ft. William and Superior Juncthe have been made that the new road would not be a transportation factor in handling the prospec -ocate" has the re-assuring information that the ooad will be in a position to assist in moving an important link at this critical time in the affairs of Canada and the Empire. The opportunbraced by the Government with great satisfaction, and will no douht be developerd with all the re

Bringing Results
value following letter shows very clearly the tising medium, and the esteem in which it is held tising medium,
'The Farmer's Advocate,' London Ont : Dear sirs,-The judges have completed their work in awarding the prizes on our recent con-
test entitled, "Why an Automobile is Profitable We believe it is only fair to your iournal to state that, although we used twenty-two (22) journals and daily and weekly newspapers in mak-
ine this announcement, the replies received from "The Farmer's Advocate," of I.ondon, consideravenue of any other newspaper or magazine. Aiso that "The Farmer's Advocate," of Winnipeg,
stands third on the list in point. of replies re This speaks exceptionally well for the standing of "The Farmer's Advocate,"" and we trust that the sound, substantial policies which have been so long one of the main factors in upbutymg con tinue to indefinitely guide your editor.

## Iclaughlin Carriage Co., Limited,

Long-Distance Telephone

## More Superstition

 Editor "The Farmer's Advocate", and explana-Peter-McArthur's complimentary and explana-tory reference to the lettors you pubhished on tory reference to the letherry you the subject of Occultiem., And as most people have a
peculiar interest in this, perhaps you may allow peculiar interest in this, perhaps you may aliow
me sufficient of your valuable spoce to say a
few me sufficient of your valuable space to say a
few more words along this line. There are a great
that many things, formerly considered mystical, that
have now become clear in the light of science have now become clear in the light of science,
and no doubt it will yet accomplish much in this direction. But although I am anxious to see direction. But aithough am and way yet I cannot
everything explained in this wat
free myself from the belief that many forces exist free myself from the belief that many forces exist which have not and perhaps never wili bed satisviews regarding these things. If so, it is owing to hereditary tendencies, for without doubt
several of $m y$ ancestors possessed unusual powers or gitts of this order. One of these-my grandorther's sister-was able to orotell certain events,
fate was subject to visions and dreams of prophetic
significance, and to experience what is known as significance, and to experience what is known as
mental telepathy or thought-projection. Of course we know that a great many of the public exhibitions of these things are purely methodical and have no deeper origin. But in spite of this fact,
and in full realization of my statement, I have ${ }^{\text {and }}$ in fall realization of the no belitieve there are cortain individuals of peculiar organization who actually possess these powers. Consequently I tion that the changes of the moon may have some offect on thing here. Regarding the moon's re-
lationship to vegetable growth, Mr. McArthur's lationship to vegetable growth, Mr. MceArthur's
axplanation is very reasonable-although his reexplanation is very reasonabe-although his re-
ferences are somewhat indirect-and I am pleased Yerences are somewhat ivdirect-and amm ponnection the moon sometimes acts right. Perhaps if it did noight conduct itself better all the time. $I$ wish to thank and compliment him for this new thought and the clear manner in which he
expressed it. But 1 am still inclined to think expressed it. But I ame moon may cause some change in the frocesses of animal life. Farmers
here who have watched the results of certain hare who have watched the results of certain
operations performed on live stock at different
 stages the outcome is more favorable if these opera-
thans are performed at one particular time.
ot course, this may be only coincidence, but it would
be interesting and useful to all farmers to know for a certainty whether there is anything in this
 should have the same trouble with a cow at al-
most the same time WW have a cow that had
the bran habit, and it was all our own fault, too.

Some time ago we started feeding her a small mess of bran and intended doing so right along,
but-as is the case with most habits-her appetite for bran grew to such proportion as to prohibit its fruther use. We quit giving it to her alto-
gether. Then you talk about bawling, she did gether. Then you talk about bawng, once in a while she would start nibbling grass, but sudden ly she would think of the bran, make a race for
the gate, bawl so loudly that you could hear her a mile, and this kept her mouth open so much of the time during the first day, that her lower jaw as hanging down loose the last time looked cured her. We got a pail, mixed a mess of bran
and "bitter aloes" and ague it to and bitter aloes, and gave it to her. The action
of this cure for the bran habit seems much the same as that of the gold cure for the whiskey
habit.
For, after taking it, if she started
 when she would shake
start on picking grass.
Glengarry Co

How the Federal Grant Will be Spent in Ontario.
Ontario's portion of the Federal grant to agri-
culture for the current year is $\$ 266,013$, of which culture for the current year is $\$ 266,0$ bing carried
nearly on by District Representatives of the Ontario Department of Agriculture. The following is
complete list of the Departments which are complete first of the get from the grant.
District Representatives, $\$ 114,000$; Agricul
tural Colle (b), salaries and expenses of ond aititions $\$ 81,413.64$ (b), salaries and expenses of additions ${ }^{\text {to }}$, staffi
and maintenance, $\$ 12,400$; 0 A. C. Short Courses, travelling and living expenses of winners
of acre profit and livestock competitions, $\$ 1,500$ or ace araze agriculture and domestic science in High, Public, separate and Continuation Schools, to be available for grants and for traveling and
living expenses of teachers and others in attendliving expenseg
ance
at
Short
Coursees or other educational gatherings, in addition to services, expenses and equipment, and to be paid out on the recommen-
dation of the Department of Education, $\$ 20,000$; dation of edua work in connection with marketing of farm products, including organization of co-operative societies, collection, printing and distribution
of information on current price and of information on current prices and systems of
marketing, 86,000 ; stock and seed judging, Short Courses and Ins $i t u t e$ I Tecture Work, $\$ 6,500$; Women's Institute Work. including courses in cooking, sewing, etc., \$2,00, short Courses for Fal1

$\$ 2,000$; demonstration work in spraying, pruning
 of Assistant, Horticultural Experinient Station,

To Ship Stock to the Maritime Provinces.
Editor "The Farmer's Advocate"
The Live Stock Associanion will make a trial
shipment of pure-bred live stock to the Martion Provinces during the third week in Jume if sune cient applications to warrant it are received by
that date. Applications for several animals already been received. ${ }^{\text {An }}$ The car will be run upon
and the same system as those sent to the Western rovinces. It is expected that an extensive trade in pure-bred stock will in this way be developed
with our friends down by the sea.

Beginning in May with unprecedented activity most of the effective horse stock of the country,
has been swept away into the war zone, for the has been swept away ino

A new order from the Department of Agricul. cure, Hettawa, reads as follows:
${ }^{\prime}$ Hay in car lots from the States of Minnesota, North and South Dakota will be admitted, pro vided each shipment is accompanied by an aff-
davit that the hay is the product of these States.
The fruit belt never showed better prospects lor a big crop than it dops this season.
Canadians could use to advantace
more
home grown, tender fruit and a wide home marke should be built up by placing the fruit in the hands of consumers at a price $r$
with that received by the grower.
If the careless man living on the neglected and poorly-looked-after place could only realize what
it would mean to him to "spruce" up there would be fewer eye-sores in our country. It is not all in appearances; carelessness means the lose of the One of the amusing side lights of the now
fanous Barnes- Roosevelt itibel trial at tyracuse. N. Y., was the usual warning to the furymen no ing on. But the justice on the bench, when the newshoys trooped in, cooly procured their sheets newd recaled himself, with the hig head lines and
and
what followed there-under. Judges are immune what followed there-under

Toronto, Montreal, Buffalo, and Other Leading Markets.


 American Corn.-No. 2 yellow. 79 alc.
track, lake ports; Canadian, No. 2 yel-Peas.-No. 2, \$1.60 to \$1.65, car lots. outside; very scarce.
Rolled Oats. - Per bag of 90 ms., $\$ 3.4 \mathrm{O}$ to $\$ 3.50$.
Flour-Ontario, winter, $90 \%$ patents.
\$6, seaboard. $\$ 6$, seaboard. Manitoba flour-Prices at
Toronto were: First patents, $\$ 8.10$ in Toronto were: First patents, $\$ 8.10$
jute; strong bakers', $\$ 7.40$ in jute; HAY and millfeed.
Hay.-Baled, car lots, track, Toronto,
No. 1, $\$ 17$ to $\$ 17.50$; No. $2, \$ 15$ to $\$ 16$. No. 1, $\$ 17$ to $\$ 17.50 ;$ No. $2, \$ 15$ to $\$ 1 \mathrm{c}$
Straw--Maled, car lote, $\$ 7$ to $\$ 8$. Straw.-Maled, car
Bran.-Manitoba, $\$ 26$ in bags, trach Bran.-Manitoba, $\$ 26$ in bags, erach
Toronto; shorts, $\$ 28 ;$ middlings, $\$ 33$ \$35. COUNTRY PRODUCE
Butter. - Prices declined during the
week. Creamery pound squares, 31c. .t week. Creamery pound squares, 31c. to
32 c . Ib.; creamery solids, 29c. to 30 c . dairy, 25 c . to 27 c . per lo.
Eggs.-New-laid eggs have also declined slightly, selling at 21 c . to 22 c . pe
dozen. Cheese.-New, large, 20c. to.; twins. Honey. - Extracted, 11c. to 12 c . ${ }^{\text {per }}$

it f ; combs, per dozen sections, $\$ 2.50$ to Beans.-Primes, $\$ 3.30$ per bushel; hand| Potatoes-Ontarios, car lots, per bag, |
| :---: |
| track. Toronto, 35 c . to |
| 7 ta c.; | Crack, Toronto, 35 c . to $37 \frac{\mathrm{t}}{} \mathrm{c}$.; New

Brunswick, $47 \frac{1}{2} \mathrm{c}$. to 50 c . per bag, track.


JUNE 3, 1915

| flat 14c.; countr | per 1 lb . |
| :---: | :---: |
| d, 13 c . to 14 c .; country hides, | The quality of stock |
|  | quite as good as formerly, and the ten- dency of prices was to decline. As a |
| skins, per lb., 12c.; she |  |
| \$2; horse hair, per lb., 38c. to 40c. |  |
|  |  |
| 17c.; lamb skin | nd No. 2 stock |
| 1-1 | Butter.-Last week prices of butter came |
| wool | dis |
| ays |  |
|  |  |
| FR |  |
| rawberries are coming in in large | quality was quo |
|  | quality was quo |
| ity, selling at 14 c . to 16 c . per box. | Even year a pusibly were |
| ew v | to the high price of cheese. |
| Wax | Cheese.-The market for cheese was firm |
|  | at ever, and it |
|  |  |
| paragus ha | boards the bidding |
|  | ently want |
|  | steady |
| nadian ho |  |
|  |  |
| to 16c. to 18c. Mr. Cucumbers, to |  |
| Spys. 25 | Grain.-Oats were very firm, and prices |
| ples, $\$ 2.50$ to $\$ 2.75$ per | Local No. 2 w |
| anas, $\$ 1.90$ to $\$ 2.25$ per | to 67c.; No. 3, $65 \frac{1}{2} \mathrm{c}$. |
|  | Canacia |
| ssina, $\$ 2.75$ to $\$ 3$ per | and ext |
| California, $\$ 3.25$ to $\$ 3.50$ per cas | 66 c , and No. 2 feed 650 |
| ges, $\$ 3.25$ | ow corn was 81 c c., and |
|  | or |
|  | for 5 -lb. Cheaper sto |
| 5 per case, | \$2.75 in car lots. |
| 50 per case; onions, $\$ 2.75$ to $\$ 3$ p | Killfeed.-Bran was $\$ 26$ per ton in |
| $100-\mathrm{lb}$. sack; Texas Bermudas, $\$ 2.25$ to | gs; shorts, \$28; middlings, $\$ 33$ to $\$ 34$ |
| $\$ 2.50$ per $50-\mathrm{lb}$. case; parsnips, 50 c . per | per ton. Mouille was $\$ 37$ to $\$ 3$ |
|  | e, and $\$ 35$ to $\$ 36$ for mixed |
| arios, 50c. per bag: New Bruns |  |
| elawares, 60c. per bag; seed potatoe c. to 90 c . per bag. | -No. 1 pressed hay, Montreal, ex was $\$ 21$ to $\$ 21.50$ per ton; No. ra was $\$ 20$ to $\$ 20.50$, and No. 2, |
|  | , |
| ntre |  |
| ock.-The price of cattle | es were steady, at $17 \mathrm{c} ., 18 \mathrm{c}$. and 19 c . Nos. 3, 2 and 1 respectively, and |
| ly high at the present time, | calf skins 18c. per lb. Sheep skin |
| $\begin{aligned} & \text { to is causing the streng } \\ & \text { say. Offerings, of cou } \end{aligned}$ | \%5 each; horse hides, \$1. |
| light, and this naturally furnishes a | to $\$ 2.50$ |
| engthening influence. At the sa, |  |
| e, the demand for cattle is consid | 100 lbs., and $\$ 17$ to $\$ 22$ |
| would affect matter | bushel of 60 lbs . for red clover |
| ction. The quality |  |
| ck offering is very poor, butchers |  |

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THE FARMER'S ADVOCATE.



Written in June.
I long for the sweep of the English hills,
The brown of the heath and the hedger
rowed way;
And the, long, dewed grass, where the
Fragrance of herb and the sun-kissed
Fields that have flower, and gardens old,
Old in the dream-sweet dusk of years-
To-day, to-day, if the truth be told,

Why is it, why is it, ye wake in me,
Pulse of a land that is far away?
Is not this land wide-flung as gay
With bloom as the land that breaks then
There the curfew swings when the fields
And th
The meadow $\qquad$ is blit
him.
The Making of Birds.
God $\qquad$ $m$ birds in
Tired
He said
mer, will add a glory to sum
Gifts for My creatures banished from
Me $l^{\prime \prime}$
He had a thought and it set Him sroil-
ing
more semi-domes
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will make feathers," the Lord Go
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The dear Lord God, of His glories
The Mosque at St. Sophia, Constantinople.
The four minarets were added by the Turks when the ancient Christian church
was metamorphosed into a Moslem mosque
$\qquad$
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$\qquad$
The Mosque of St. Sophia. $\qquad$
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$\qquad$
 legend the 20th of June, 1792, the sans oulottes gathered in the Place du Carculocel, and forced their way into the
rousel of the Tuileries. For six long
palace of the Royal family were forced to $\begin{array}{ll}\text { hours the Royal of the vilest scum } \\ \text { witness a deile of } \\ \text { through their rich apartments. } & \text { The }\end{array}$ through and Queen were seated at the coun-
King and
cil table; while the Princess Elizabeth cil table; while the Princess held the
sat beside her sister-in-law, who held sat beside her in her arms, and frum
young Dauphin in
time to time stood him on the table for the poople to look at. One fellow, as
he passed, took off his red cap, and
he the head of the infant placed it on the head of the infant
Prince, who began to laugh and amuse himself by peeping out from under it at
the crowd. whereupon Santerre, noticing the crowd; whereupon santerre,
that this baby incident was putting the
rabble into a good humor, brutally rabble into a good humor, brutally
shouted: "Take off that cap!" Among the spectators of the extraordi
nary scene was a young lieutenant of nary scene was a young
artillery, who, as he walked away when
all was over, quietly remarked, "With all was over, qued at the palace door all this canaille in five minutes. That oficer, Bonaparte by nauc,
to be the immediate successor of Louis
the XVI. in the Tuleries, and only three
years later he had opportunity to sliow years effect of skillfully handled guns on a mob, when, from the steps of the Church
of Saint Roch, he cleared the same place and put an end to the Reign of Terror.
The event of the 2oth of June was but a rehearsal for the tragedy of the 1, 1ht of August, when a Paris mob again at-
tacked the palace. The gallant defence tacked the palace. The gallant defence
of the Swiss Guard, their massacre, an of the Swiss Guara, XVI. and Marie An toinete to seek safety at the bar of th
convention, is an oft-told tale. $A$ fev convention, is an oft-told tale.
days later a newly-invented instrument days later a newly-invented instre in the
called the guillotine, was set up center of the square, just about the spn
where the small triumphal arch erecte where the small triumphal arch erectet by Napoleon now stands, and og those who displeased, the Revolutionary lead ers. All the executions of the earliz Atter he became Emperor, Napolenn 1. Was the hero of many splendid padu Carrousel ...then, one morning the Fi-color flag was hauled down from the it the Bourl'Horlage and the white flag few days later Louis XVIII, entered the Tuileries. 1830 ade the short revolution of $1: 330$ hade the place lively once more, "carrousel", ended with the en throning of Louis Phillippe, and soon he was visited by the spectre of Le Petit Duke of Orleans, heir to the crown, wa thrown out of his carriage and kiled.
In 1848 another tidal wave swept
through the place du Carrousel, and hrough the Place du Carrousel, and
Louis Philippe fled to England for safety He never returned to france, but haraly whom he had kept in exile returned to his native land and began to fish in th troubled waters of French polics.
Napoleon soon had the Imperial crow
In twenty years. He embellished the ca rousel by giving it its present appear-
ance and by restoring the Triumphal Arch as it now stands. But in the midst of the "glory" that
was shed over France by this the last of was shed over France by this the made on
the Bonapartes, the red spectre mater ther appenrance: : followed the diss
war with Germany, the surrender of the Emperor, the flight of the Emperor, the horrors of a siege, the terrors of a cone of the
mune. But that last appearance of mune. But that
Petit Homme Rouse was also followed
ferd Reby the est thblishment of the Third
public, which grows stronger and better as it grows older, and which has brought
prosperity to the French nation.

Sweet Pea Culture
$\qquad$ queen of annuals. Its heauty and crace
of form. H.licacy and varianty of color,
sweetly .ultule perfume, its hardiness, above all. the length of its which acregarded. Muring the last ten years the


Using the Periscope.
The periscope is one of the most import ant factors of the war. By means of or a dozen in our garden, it is important possible; the surface is then zake had. we should plant the best seed towe sment. A a top dressing, both before who make s specialty of sweet-pea seed, and after sowing.
and if we purchase from those who have TIME TO PLANT. won their spurs on the exhibition stant, wo can have some assurance of success.
PREPARATION OF THE GROUVD. You may have very fair results from ground that has had merely ordimary good cultivation, but it is satisfactory
to the enthusiast to know that no tlower to the enthusiast to know that no flower ahe spring. They may be riter's experience in tw
responds more delightedly to kind treat- seasons en fall-sown sweet responds more
ment.
In on the whole, they do well and ara
In In 1911, the London Daily Mail offered bloom two or three weeks before thise
series of valuable prizes for the best sown in the spring. Last year I planted a series of valuable prizes for the best sown in the spring.
ore in December. While. was a magnificent $\begin{gathered}\text { exhibition of however, they wir sta some inches, they } \\ \text { thousands of bunches. The first prize even after they are up }\end{gathered}$ ever if seve frost catches was 11,000 , anc the Rev. D. Denholm Fraser. Mr. Fraser weather, so that in the spring. In order has written a charning and exhalls us that this may be done as soon as the
little book on sweet peas. He tells us

THE FARMER'S ADVOCATE.
Sulphate of ammonia. \& an ounce to a gailon of water.
Infusions of soot. Guano, poultry, cow
or stable manure, diluted to the strungth or stable manure, diluted to the strength
of taeak tea. Put some of the subsinnce of weak tea. Put some of the substunce in a smell sack in a barrol of rainwiter,
allow it to soak for several hours, and pound with a rake or other garden tool. It may then be applied with a watering
can as desired. During hot seasons we can as desired. During hot seasons arti-
found more response to animal than art found morer $\begin{aligned} & \text { res. } \\ & \text { fictal manures. }\end{aligned}$
watering.
We are not satisfied unless blooms are produced with stems from 10 to 18 inches in length, and with flowers from cannot get this class of sweet peas unless cannot get thisty of moisture both above and below the ground. A regular supply of water will tide them over a sel
of drought, but no artificial watering will take the place of a suffiently moist atmosphere. However, if we do not neg-
lect them during the adverse period of lect them during the adverse period of
drought, when we can no longer take pride in their appearance, if we do not
lose patience, we shall find them after a good heavy rain once more returning to copious supply of water in your hydrant and can stand the expense, a systen of galvanized-iron piping arranged along the
cows with holes drilled in the piping rows with holes drilled in the
every six inches and a hose coupling attached to onie ond of your system, will do away with the labor of watering a large number of peas. We have only
tried this on a single row, but found it a great labor-sav

## SHADING.

Nearly all varieties are benefited by shading during the height of summer.
Even in England this is found necessary for such varieties as orange and scartet. or some of these a very short exposure to disfigure the bloom. Our awnings were made of light-weight factory cotton, yard wide. By means of brass rings apart, it was arranged to slide on stout supporting wires. These were arrenged
over the row by means of cross-bars with over the row by means of cross-bars with
ecrew hooks to hold the wire. The cross-bars were attached to the stakes cropporting the trellis-work at an angle of about twenty degrees, and so that the
west side, from which the hot aiternoon west side, the sun would strike the row, would get most protection. On the sp-
proach of rain, of course, it is most nocesary to to lido of yours awning, which can be done in a few minutee The only serious insect enemy the swort
pea has is the green fly, and he can be

 | pill ooap and water |
| :---: |
| ceroseno emmulion. |

cutting sweet peas.
In cutting the blooms, a pair of tairly Ong sharp scisisors should be uased. and foupply of throad rubbor bands is handy
or bunching.
It on outting a $a$ ppiko, it is tound that thon oneres aro more of
less wound round with tendris trom ad

 caeas you will brakk the spiko Soize
It by the butt end, pull steadily, nod th will be found that in most asases one im. pending tendrisis will broak withon out dim agoto hoom, rens should be aut eally,

 distance by rail, allow then to stand over night or seceral hours in water
When reandy to pack, wipe the stomedry
 In wet material or any kind. The wate
the stems have absorbibed will bo sumficen






## seifectixe varieties. Thero aro


condants of their famous ancestor,
Countess Spencer, first introduced at the Countees Spencer, first introduced at the
exhibition of the British National SwentPea Society in 1904 . The amateur who
has only a limited space may feel rather has only a limited space may feel rather
perplexed in choosing from many lists of perpexed in chioosing from many lists of
these beautiful flowers which might be made up. Sweet peas require, no doubt, constant attention during the season, but what
other flower is there, to which you can go day after day for nearly four months
and always be sure of an abundance of and always be sure of an abundance of
bloom? If one does not undertake their culture on too ambitious a scale, the labor will be one of love, and well re paid by the health and joy it will bring
with it. At this moment when the world resounds with the'din and crash of arms, it is a relief to ponder for an hour on the silent marvels of nature.
Though the sweet pea thrives in the Though the sweet pea thrives in the
trenches, though it waves its glorious banner over well - ordered rows, like the serried ranks of infantry, though like
tiny air-craft, its blostoms are flung on tiny air-craft, its blossoms are flung on
high, we may survey this army without high, we may survey this army without
earr and in peace, for it bears, as the Rev. W. T. Huchins said fourteen years ago. "A standard which is friendly to

## Fashion Dept.

how to order patterns Order by number, giving age or meas least ten days to receive pattern, Als state in which issue pattern appeared Price ten cents PER PATTERN. If two numbers appear for the one suit, one fu
coat, the other for skirt, twenty cent must be sent. Address Fashion Depart ment, "The Farmer's Advocate ant to sign your name when ordering pat. to sign your name when orderi
terns. Many forget to do this. When ordering, please use this for,
Send the following pattern to


Age (if child or misses' pattern).
Measurement-Waist, ........ Bust,
Date of issue in which pattern appeared

s





4,6 and 8 yearso
Hope's Quiet Hour.

The Value of Reproof.

## . that ha

 He that refuseth reproof erreth.-Prov. Poverty and shame shall be to himhat refuseth correction: But he that re ardeth reproof shall be honored.-Pro This morning I read an editorial in the
newspaper which declared that the Hasses in Germany refuse to
nvthing but the official news from Ber nything but the official news from
in. English and French newspapers ar circulated. but their reports, so contra-
lictory of German pretences, are passed If as bluff and lies. The German puiblic is perfectly willing to turn deai
anything its Government wishes un
hnown. In the closing days of the "ar we shail see whether this outward-
Is tough and uny ielding front Germany displays covers weakness at the core, or
, hether a nation's will and knowledge "hether a nation's will and knowedge
May be manipulated without it losing in
r,all strength in adversity." Mall strength in adversity."
The wise man warns us that it not
The The wise man warns us that "for men to
woud to eat much honey so for glory."
swarch their own glory is not glo
We are all liable to make mistakes, all swarch their hiable to make mistakes, all
Ie are all
nced reproof at times. It a asd thing
In for a man to be so proud and haughty
that neither friend nor foo dares to tell


## 928

the letters written by boys and girls my own age, and enjoy them very much.
If you will kindly print my letter in your Beaver Circle, I will write you
again about my home and pet animals. again about my home and pet animals.
Trusting you will grant me this avor.
MARGARET REID (age 9). Glenfurnie. Ont.

Dear Puck and Beavers.-I would lik Thoin the Circle. My father has tak
'The Farmer's Advocate". for as long as I can remernber. I have for pets a dog he school which I am in now. The
eeather is fine outside, and the leaves weather is fine outside, and the leaves
are on the trees. The roads are dry now and we have lots of fun. Our
teacher's name is Mr. Holland, and I hike him fine. I must close now, wishing
Circle every success.
WILLIS VAN EGMOND. circle every success. WIIS VAN EGMOND.

The Ingle Nook.

The Pioneer War Nurse. Dear Ingle Nook Friends, -1 think My
mind is still running on nurses Since
the nurses' graduation of which 1 t.lld you-perhaps because she whas mentioned ther- Florence Niightingale has come be-
ore me again and again, and so this. perhaps, is the reason why 1 ask you
hhink of her. with me. to-day If you do anything very, very star:-
iingly wicked, or very, very startingly
orld.
good, your name goes round the
Florence Nightingale was amoug those who did something outstandingly good, and so her name has circled the
globe, and will continue to circle it trym generation to generation, so long as the
need which brought forth her peculiar need which brought forth her peculiar
ministrations in any wise exists. She was born in Italy, on May 12tn, 1820, near the city of Florence, from
 It the countuss "Florences" who have
sinces wended their was
throush
the
 ciently pruned, it was hoped, accomb-
plished beyond most girls of her time mlished beyond most girls of her time
Florence was taken up to London and


THE FARMER'S ADVOCATE.


Florence Nightingale. Like all other pioneers, Florence Night but she never hesitated, her strong wil) and forcelul personality now carrying he
over every obstacle. The following yea over every obstacle. The following year
she was taken on her "inishing-off" trip she was taken on her "Anishing-of"" tri,
to the Continent, but instead of devot,
ing herselp ing herself to the amusements that
fashionable folk follow, she spent mos fashionable folk follow, she spent most
of her time studying the nursing methods of her time studying the nursing methods
of the various hospitals, a work to
which the next nine years of her lite were chiefly devoted.


FOUNDED $18 \mathrm{cis}^{\circ}$ Eighty per cent. of those whose lirabs
were amputated died of gangrene ere amputated died of gangrese. The In the Turkish barracks on the Hos.
phorus there were two miles of sick-beds phorus there were two miles of the Ros-
in double file along the corridors. Rods
Rots were all over the place, and ran over the
helpless patients." To make matters worse, before long
cholera bruke out and to, 0 men men died of it. Water, we are told, lay a toot
deep in camp; horses could not dran deep in camp, horses could not trag
enoush provisions over the inpassable
Russian country; so that both mer Russian country; so that both mensable and animals died of exposure and hunger, and
the very air was soisoned irom the dead the very air was suisoned irom the dead.
When Miss Nightingale entered the Barracks Hospital at scutari she found
2,300 patients in the wards, with 2,300 patients in the wards; within few weeks she had 10,000 on her hand
but she set about the work with the but she set about the work with the
executive ability which was one of her strongest traits, her first step being establish a laundry and a kitchen
which sanitary cooking might be carr on. "Her work was as epochal," Bays the New York Tribune, "as that of Lister
and Pasteur in therupeutics it and Pasteur in therapeutics; it not oilly
made possible, but assured the made possible, but assured the subss-
quent achievernents of military nursing and hygiene."
Early and late she was at her post. "She worked like a workman," says a Commander-in-Chief, lihe a ministering angel, and always like a Titan."
In the winter of $18 \overline{5} 5$ a soldier wrote of In the winter of 1855 a soldier wrote of
her, "When all the ruedical officers har retired for the night, and silence and darkness have settled down upon those miles of prostrate sick, she may be ob-
served alone, with a little lamp in her served alone, with a little lamp in her
hand, making her solitary rounds." .. And yet another : "To see her pass is happiness. She would speak to one, and
nod and omile to many more, but slife could not do it to all, you know. We
lay here by hundreds, but we could kies her shadow as it fell, and lay our heads
upon the pillow content again." apon the pillow content again.
-Work, endless work, and yet perhaps -Work, endless work, and yet perhaps
the greatest worry to this devoted woman was not the fact that her frail body could scarcely live up to the straln,
but the constant difficulty of overcoming hindrances set by medical and military officials. Without hesitating, however, she cut red tape when necessary, and in the face of friction, carried out her plans for reorganizing the hospital managemeal
in her own way. It is only falr to state, however, that when the good effects of her system became apparent, her
word became law. In one and a half word became law. In one and a half
years, it is recorded, she had succeeded in reducing the death-rate in the hospi1 per cent.
In the spring of 1855 she was prus-
In the spring of 1855 she was pros-
trated with fever, but remained at
Scutari until Turkey was evacuated hy Scutari until Turkey was evacuated hy
the British on July 2 2oth, 1856 . When
. she was preparing to depart, the Ad-
miralty offered her olficial passage on a
mas miralty offered her olficial passago graat
ship of the line, but she was too gut
a woman to care anything about pomp or show. Declining the offer, she took
passage on a little French packet as
pasin "Miss Smith." and so arrived in passage on a itte
plain "Miss Smith." and so arrived
her native country.

Her SUBSEQUENT LIFE. In England, Miss Nightingale was welcomed as a national heror for her by a
of $£ 50,000$ was raised for
grateful public. grateful public. To this was adiven in
£2,ooo, the result of a concert given in
her honor by the famous singer, Jenny her honor by the famous singer, Jenny
Iind. But Miss Nightingale refused to
Mer keep any of the money for herself, asking
that it might be devoted instead to the establishment of a Home for Nurses.
This Home and Training School, in This Home and Training School, in
Connection with St. Thomas Hospital,
was a pioneer for the world, the nutlous from which were developed better train-
ing-schools the world over. Its establishments was one of her. great works.
She also was influential in founding the Red Cross Society, and wrote geveral books on nursing, which are regarien
cven to-day ns authoritative. For the last forty years of her gruy
Miss Nightingale lived in a tall. gruy house on South street, a quiet of-shoot
of the more fashionable Park Lane in of the more fashionable Park eaux were
which London's Delles and beaux wire
wont to drive. Her own especial suite with windows opening upon a balcony. and commanding a view across to Hyde
Tark, and from here she loved to look

THE FARMER'S ADVOCATE
geldom enter, for her health had been
broken by the fever of the Crimea, and
for the last thirteen years of her life sti,
was unable to leave her bedroom.

Strange thoughts, perchance, from her perors an
through that tranquil mind as, from
little spot of that passed within her
on the pageants that
vision, catching glimpses af the Jubilee
$\qquad$
$\qquad$
$\qquad$ were not without work and interest, nor soul slipped quietly awas, The liean or
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The Lady of the Lamp.



French Infantry Marching to the Trenches.

Things to Eat.
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Substitutes for Meat.
During warm' weather many people lose
their appetite for meat. When this oc-
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$\qquad$ working
three egg
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Italian Alpine Troops Marching Through a Border Town.
tender. It is rather remarkable tha this bean is not more widely known as
a food. It is so easily grown that it
may be may be planted as a screen for unsigh ly
fences, walls, etc., anywhere, and so fences, walls, etc., anywhere, and so
prove its use for both beauty and food. It should be remembered that in coonkIt should be remembered that in cook-
ing dried beans, peas, or lentils, the ing dried beans, peas, or lentils, the
cooking should be so thoroughly done
that the starch granules will be thorthat the starch granules will be thor-
oughly swollen and burst, otherwise the oughly swollen and burst, otherwise the
food will be indigestible. The best way is to first soften the legume by soaking
in is to irst soften the legume by soaking
it for eight or more hours. By this,
after vigorous stirring, many of tho after vigorous stirring, many of tho
sking, which are somewhat indigestible skimmed off. In cooking beans for soup, the akins may be removed by putting the boiled beans through a sieve. Split peas
and lentils, of course, being already and lentils, of course, being already
treed from their skins, present no such
difficult. freed from their skins, present no such
difificulty. After soaking the legume, the
water should te change be water should be changed before boiling.
If the last water is previously boiled and if the last water is previously boiled anc
poured off from the sediment it wil usually be soft enough to soften th legume without adding any soda, which
is likely to injure the flavor. After is likely to injure the flavor. After
boiling the beans, peas, or lentils, thes bolling the beans, peas, or lentils, th
may be made into a thick puree to wh
butter, pepper and salt are added, or beans may be baked with fat pork and a little molasses. It is quite necessary
o add butter or fat to any of thesion dishes to supply the fat that would nat urally be present in mea
Dried legumes, it has been tound, fun
nish more protein and enerky than al nish more protein and enerpy than al
most any food material cecopht cero.
grains. Green most any food material excopt cere.
grains. Green peas and ereen heans nir
not so nutritious, but contuin a poin value, and are useful for flavor and hull. They should always be cooked in just at
little water as possible, as if much wat."
 eral salts present in all green vesetablu-
are wasted. re wasted. Lentils, it may be remarhed, may 1 bought from any well-equipped wroces
otore, and are very nutritious They
may be conked evictly like split may be cooked exactly like split pean
Here is one recipu:
 CHEESE. To be digestible, however, cheese must $\begin{array}{cc}\text { CHEESE. } & \begin{array}{l}\text { be well masticated, and it should alwas; }\end{array} \\ \text { Cheese is among the most important } \\ \text { be eaten in combination with bread, or }\end{array}$ Cheese is among the most important be eaten in combination with bread, or
of the nitrogenous or proteid foods. "No some other food. As it is one of the of the nitrogenous or proteid foods. "No some other food. As it is one of the
ordinary article of diet," says a pam- most concentrated of foods, too much of phlet issued by the Sanitary and Eco- it must not be eaten. It is solely he the vinegar added to the water will be nomic Association, Glasgow, "Contains cause of over-eating in this respect that found helpful. $\begin{gathered}\text { Eggs with white Sauce.-Make a rich, }\end{gathered}$ so much nutriment as cheese; 65 per so many people think they cannot eat white sauce, with rich milk or thin
cent. of good, rich chese, represents pure cheese. cent. of good, rich cheese, represents pure
nutritive matter-it contains a much
Here are some recipes for combination cream, flour and butter. Mix it with



Italian Rersaglieri Cycle Regiment on Their Way to the Austrian Frontier.


A Real Woman Abhors
The apparance of masarinity than thave ones his more Superfluous Hair


 al Colleges St. Toronto. Estab. 1892 When Building-Specify

 Calicences
uy St. Lawrence Granulated Pure ane Sugar in original packages, and get pure, clean, perfect sugar.

## Picharas

 ouck NAPTHA THEWOMANS SOAP,
MADE IN GANADA

THE FARMER'S ADVOCATE.



 pudding-dish, grate a little nutmeg over
and bake ? hour in Ege Salad-ATrange lettuce on ind


Hard.boiled Eggs - When eqges are to to
used hard-boilest they
used hard-boled ed they should be boiled
tor hait an hour,
as
as
this trings then
 more digestible.
 Yolks and mix with oslad dresening, reinil,
and serve on
lotuce
$A$
 thing one mososes, may be mixed with ,

The Dollar Chain

A fund maintained by readers of "The
Farmer's Advocate and Home Magazine" Farmer's Advocate and Home Magazine
for (1) Belgian Relief; (2) Soldiers' Comfor (1) Belgian Reliet; (2) So
forts; (3) Red Cross Supplies, Contributions to the Dollar Chain from
May 21st to May 28th, are as follows Amounts over $\$ 1.00$ each "A Scott Township Farmer," Uxbridge, $\begin{array}{cccc}\begin{array}{cc}\text { Ont., } \$ 3.50 ; & \text { Mrs. }\end{array} \text { Herbert } & \text { R. Harris } \\ \text { Amherstburg, } & \text { Ont., } & \$ 2.00 ; & \text { John Ham }\end{array}$ mond. Branchton, Ont., \$1.50; Jas Amounts of $\$ 1.00$ each.
James Bauman, Elmira, Ont.:
Friend" Friend"; C. E. Bonnycastle,
ford, Ont.; "A A SampbellOnt.; "A Friend," Parkhead, Ont "Reader of The Advocate," Guelph, Ont
P. McArthur, Walton, Ont.; Nelson Peter son, Ruthven, Ont.
Amount
from Jan. 30th to May 31st.... $\$ 1,321.5$ Total to May 28th............... $\$ 1,363.50$ Kindly address all contributions to "The Farmer's Advocat
zine," London, Ont.

A negro mammy had a family of boys
so well behaved that one day her misso well benave
tress asked:
"Sally, how did you raise your boys so well ?" "Ah'll tell yo', missus," answered Sally. "Ah raise' dem boys with
barrel stave, an' Ah raise' 'em fre

News of the Week
Ontario has appropriated s120,000 tor
Berfinan rolefer
Upwards of 30,000 Italians may lenve Canad
Italy.
The Montreal steamship Xorwenna was torpedoed, shelled and sunk off the coast
of Wales, with a loss of one killed and three injured. Grapes, tomatoes, and tender vek
tables, suffered heavily because of the
frosts last weel. * * * *
Thirty-six young arman are in train
Thin Aviation School ing in the Toronto aill go to the front
The first detachment will at an early date.

## OTHITLIO <br> Treasure Range



HAWK BICYCLES An up－todate High Grade
Bicyclefitted with Roller Chain
 Pump，and Tools＇s $\$ 22.50$ for FREE 1915 Catalogue，
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and Repair Malerial．You can
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Good Quality Cream

GaLT CREAMERY，Galt，Ontario Olma（raines）Glloge $\stackrel{\text { Atrac }}{\text { facult }}$ facult For prospectus and terms wnte the Prnctpal
R．．Warner，M．A．，D．D．，St．Thomas，Ont
64

[^0].

THE FARMER＇S ADVOCATE．


 in

The Latest Pressure Tank System

$$
\begin{aligned}
& \text { Mustrian reserves between the ages } \\
& 4: 3 \text { and } 50 \text { are being mobilized. }
\end{aligned}
$$



We furnish the above System with
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and Gasoline Engines， See Our Shoziroom

London Engine Supplies Con，Limited 83－85 Dundas St． London，Canada


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keep your chicks busy and happy

| The Chisholm Milling Coo， |
| :---: |
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$\qquad$
$\qquad$
$\qquad$


henry gatehouse
Whaleyle and Retal poultry，

POULTRY AND EGGS


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and you get it when you buy
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Canadàs Biggest Piano Value
The Windrow.
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$\qquad$
$\qquad$ Sherlock-Manning Piano Co. hondon

COOK IN A COOL KITCHEN $\mathrm{D}_{\mathrm{NEW}}^{\mathrm{ONT} \text { sweler orer h hat range this summer. }}$ your kitchen cool and clean and does away with all the ash-pan, coal-hod drudgery of the coal range. THE NEW PERFECTION lights like gas, regulates like gas,
and cooks like gas. It is gas stove comfort with lerosene onl. NEW PERFECTIONS are sold in $1,2,3$ and 4 burner sizes by
dealers everywhere. If your dealer cannot supply you, write us dealers
direct.


THE IMPERIAL OIL COMPANY

ther company. She is also negotiating or raiss and bridge ste for by Great Britain and France to the merican Locomotive Company and others, while the Westinghouse Manuracor which $1,000,000$ are alleady under
finder contract. In the Hopewell Powder Works, Virginia, 6,000 persons are to bo employed, and 2,000 in a plant near
New Brunswick, New Jersey, which is to be devoted to the manuacacture of gun
cotton. Large orders for tents, picric acid and sulphuric acid canned perat etc., have also been placed in the United
Statas.

In "Stead's Review"" (Melbourne) the
editor summarises the
great
aid United stamesishes hendered the Allies in he European War. After pointing out that the Colonies are putting 100,000
men or more in the feld, he esess, ". Who
 America $r^{\prime \prime}$ "The ""we" is, of course,
he Colonies. ${ }^{\text {and }}$ And continues:-The tol-
 which the factories of the United States are turning out for the Allies tolls its wn tale
1,100,000 rifes
$0,000,000$ cartridges
50,000 revolvers.
1,500 machine guns
${ }^{2000}$ armoured mot

THE FARMER'S ADVOCATE.

|  |  |
| :---: | :---: |
|  |  |
|  | (RREE Protio Catalogue No. 7 |
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$6,000,000$ kegs of harer for railroads. $5,000,000$ pairs of socks shoes.
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8,000 kitchen wagons
8,000 kitchen wagons.
1,000,000 bairs woollen gloves.
$2,000,000$ pairs
$3,000,000$ pairs
$3,000,000$ pairs of boots.
In addition, great quantities of over-
coats, trousers, underwear, harbed coats, trousers, underwear, barbed wire steel, knapsacks, cotton, duck for tents
and stretchers, and, in fact, huge supand stretchers, and, in fact, huge sup.
plies of everything an army needs. Georgia is practically denuded of it Pamous mules, and more than 150,000
horses have been secured. horses have been secured. To help feed the gigantic armies the
Allies now have in the field the exportable surplus of the greatest wheat crop in record has been poured across the
Atlantic. At the end of last year it Atlantic. At the end of last year it
estimated that at least
at worth of munitions of war and materie or the armies had been manufactured $r$ was in process of making, in the United States. By this time it is sal creased to $£ 100,000,0001$ And the magnificent work of the American Commission has save
from starvation.

The most sensational court trial of States was re
ently
encluded the where Wm. Barnes, a prominent Re publican politican sued Ex-Presiden
Theodore Roosevelt for $\$ 50,000$ damage for describing the plaintiff as a corrupt political boss or words to that effect. The jury atter being out 424 hours
brought in a verdict for Roosevelt amid scenes said to be without a parallel in American court history. An appeal wil be taken. For weeks Syracuse, more
than anything else resembled a bis than anything else, restial
Presidential convention.

Madness of the Moon By Josephine Daskam Bacon. Continued from page 892, May 27 iss:le. A strange whitish bulk that glimmered through the thinning foreground, too bil or even a big bourder, symmetric and quiet for a waterfall, tempted Caro-
line on, and she pressed fofward hastily, lost in speculation, when a sudden odor oreign to the woods stopped her shor
t the very edge of a little glade, and she paused, sniffing curiously.
A man, bareheaded, with grizzled curly hair, turned suddenly, not ten feet fro her, and stared dumfounded at her, his
twisted, brown cigar an inch from his The torn-out sleeve of her nightgown had bared one side of her waist; th great garment left one slender leg uncovered above her white knee. A spray-
of wild azalea wreathed her dark, tumbled hair, and Rufus, his plumy tail and his green eyes flaming, might have been a baby panther. She leaned one
hand on the rough bark of a chestnut and gazed with startled eyes at the man; it seemed that the forest must swallow her at a breath from a human
throat. He lifted one hand and pinched the contorted with the pain. "Then there are such things!" he said, "Then there are such things!" he sal
softly; "well, why not ?" sortly; "well, why ne almost impercepti-
IIe moved forward and
bly. "If I were younger, I should know you were not possible," he muttered, 'but now I know ", Again he took a small step. Caroline,
paralyzed with fear and embarrassment. paralyzed with fear and embarrassment.
for she thought he was merely teasing for she thought he was merely her-his
her a little before he punished heal manpleasant, low voice and whimsical the
ners brought her back suddenly to the ordinary world and the stern facts of
her escapade-shivered slightly, but did
 brought you out, of course," he went
on, again slighty shortening the dib-
lance between them, ", "y tance between them, "you and the little
cub. It was a moon out of five thous
Redpath Sugar has been growing better and more popular ever since. When there seemed no further room for improvement in the sugar itself, we made a decided advance by intro ducing the Redbait Sealed Cartons.
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and, I
cheetnut
ad
?
chestnut $?^{\prime \prime}$
With a sud
With a sudden agile bound he covered
the space betwee the space between them and seized her "Aha!"' he cried, "I have-good neavens, it is a child!"
"Ot course I am-r'm Caroline." she murmured, writhing under his grasp. He pulled her out into
『lade.
"Oh! you're Caroline, are you?" he reppated, thoughtfully; "dear me, you
gave me quite a turn. Caroline. Where gave me quite a turn. Caroline. Where
did you come from-the big house?",
"I came from a long way." she said "I came from a long way," she said
briefl. "I was- was taking a walk
Where do you live? Don't you ever go Where ${ }^{2}$ ?",
The man chuckled.
"I have been feeling adventures in my
bones all day", bones all day," he said, "and here they
are- a child and a cat. If you will
eome with me. Mademoiselle, I will show you where I live. He led the way gravely to the dim
white object, and Caroline perceived it white object, and Caroline perceived it
to be a tent, pitched by the side of spring that poured through a tiny pipe set into the rock. The tent flap was
tied back, and she saw inside it a nartied back, and she saw inside it a nar
row cot, covered with a coarse blue blanket, a roughly made table spread
with a game of solitaire, and a smal leather trunk. On solitaire, and a smalther side o
the tent there smoked, in a rude, im the tent there smoked, in a rude, im
provised oven of stones, a dying fire
Above it, under a shelf nailed to the trove it, under a shelf nailed to the
tree, hung a few simple utensils; two or three larue stumps had been hacked int
the semblance of seats. Ca one of these stumps the man led the sholf above the fire and fumbled
among the pots and pans there, produc-
ing finalls, a buttered roll, $a$ piece of ing finalis, a buttered roll, a piece or
maple surar, and a small fruit tart.

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## Rightons Dress Fabrics



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ly, and Caroline ate greedily. After he
had brought her a tin cup of the spring had brought her a tin cup of the spring
water, he selected a brown pipe from a water, he solectod a brown pipe rrom ang
hale dozen on the shelf and began nlling
it trom a leather pouch that hung on it from a leather pouch that hung on
the tree. "'Now let's hear all about it." he said easily. "I am running away," said Caroline abruptly. At that moment it really from the hour that left her, tear-stained and disgraced, in her little bed.
"They didn't treat you well ?" he suggested, picking out a red ember from
the coals on the point of a knife and applying it to the pipe. "I'm not to wear my knickers any
more," Caroline said, with a gulp, "and my bathing suit has to have a skirt.
I've got to stop p-playing with the I've cot to stop p-playing with the
b-boys-so much, that is," she added,
honestly. honestly.
The man turned his head slightly
The man turned his head slightly.
"That seems hard." he said; "what's
 "you wave." the man said. He looked at
"I see "I see." the man sald. He looked at
her thoughtsully. "I suppose you would
look larker in more clothes," he added. her thourer in more clothes," he added.
look larger in
"That's it." she assured him, "I do. That's just it."'
".And so you expect to avoid all this by running away?" he asked. settling
into his own stump seat. into his own stump seat. He regarded
you can't do it.,' her quizzically.
"See here." he went on. "I wish you'd take my advice in this matter in the
They confronted each other in
starlight. a strange pair before the starlight. a strange pair before the
dying fire. The moon had gone. and the
stars, though bright. seemed less solid and less certainly gold than before. A
cool breeze swept through the wood and



When Writing Please Mention Advocate


Gossip.
pairy shorthorns at Janefield
That there is such a thing as a duplpurposese cow is abundantly proven at
beatiful Janefield
Farm of Wm. J. beautiful Janeneld, Ont. Mr. Beaty has
Beaty, near Guelph, Beaty, ear travelling searching for big,
done much the heavy-milking Shorthorns. He got then
Sut they cost considerable money. To but they cost considerabie welieve to be cine day the best herds of dairy Shorthorns
of the Canada. Among them are eight thn
have won first prizes in dairy tests at have won first prizes in tairy Shorthor
Guelph and ottawa in the Shat
classes. Three out of that pight hav ons. Mhamionships. Included amun
is the great cow Lady Robins, win them is the great cow Lady Robins, win-
ner of championship honors at Ottawa ner
last winter, giving in the three days 18
las 1bs. of 4.7-per-cent. milk, and reaching the enviable position of eleventh place in
the general standing over all breeds. In
month of January she gave over the general standing over she gave ove
the month of January se
$1,500 \mathrm{lbs}$. mill, and is still going well. Second to her in the Ottawa test was her stable mate, Verchoyles Blossom.
She treahened on J anuary 3 , and during
 heiler calf which is for sale. Her butter-
fat test is 4.05 per cent. Braemar Beauty won her class at Guelph as a
two-year-old and as a three-year-old. lwo-year-old and as ane the throld class at
She also won the
Othema in January, giving in the three Ottawa in January, giving in the three
deys 85.8 lbs. of 4.4 -per-cent. $x$-ilk. dayn Kentuck Rose 40th also won first in Kentucky
the Guelph test, both as a two- and
threo-year-old. She is a daughter of the three-year-old. She is a daughter of
tamous sire, Imp. Butterfly King. Sin tamous sire, Imp. Butterfly King. She
too, has a heifer calf which is for sa'e ared by Imp. McIntosh. Those men
aren are only a fair average of t1,
tioned ard a mhole. The twelve now mill
herr as a herd as a whole. The twelve now milk-
ing are producing a revenue of $\$ 120$ a ing are producing a revenue of $\$ 120$
month from the cream sold, and th. average has been maintained since the beginning of the year. There is not one
in the herd but has an average butter-fat in the herd but has an average butter-fat
test of over 4 per cent. Those that
have been in the official R. O. P. test have been in the official R. O. P. test
have qualified up to 10,000 lbs. This
year they are nearly all in the year they are nearly all in the test, and
since January 1 several are averaging
over $1,000 \mathrm{lbs}$ a month. With this
 great production they are exceptiorally
nice type, and many of them carry a
heavy, well-balanced fleshing. All are in heavy, well-balanced fleshing. All are in
call to the richly - bred Dairy-Shorthorn
bull, Darlington Major (imp.), owned at bull, Darlington Major (imp.), owned at
the Agricultural Colleree. and imported hy
Prot Day chased for service the ideal bull, Braemar
Yictor Champion, and out of Scotch Tristle Sth, with a record in R. O. 1'. Test of
9,000 lbs. She is out of Imp. Scotch Thistle. This bull should prove a re-
markable sire of dairy type and milking qualities. He is an extra nice type and
perfect in his lines. In young bulls for sale is the red yearling, Bonnie
Boy, by village Shah, and out
of Buttercup, whose R. (). P, record
of is 10,000 lbs. This is a splendidly-
fleshed bull, and nice in his lines. In-
 Rose, which is also in the R. R. .
ecords, but her record was not at hand.
fere are two particularly attractive
oulls tor sire. For sale are aliso several heifers
out of the heavy-milking and high-testing
dams.

## Questions and Answers.








Lime to Remove Scum Editor "The Farmer's Advocate"
In your issine of May 6, C.

Questions and Answers.

## Itchy Legs.

Heavy mare has somem kind of an
on
her troun l less, below the knees.
Ans.-Itchy legs are not uncommon in
heavy--lefged horses heavy-legged horses, especially those with
bone of poor quality. Give her a purbone of poor quality, Give her a pury
gative of 10 drams aloes and 2 drams
ginger, and follow up with 11 ginger, and follow up with 11 ounces of
Fowler's Solution of Arsenic three times daily for a wek. Make a solution of of water. $H$ Heat this to about 110 de-
de grees Fahr., and rub well into the skin
twice daily until itchiness ceases. Unthrifty Cow. Cow did not do well all winter. About
three weeks ago she produced a calf ne
month before full term. She has not gained any since, and lately shows symptoms of brain trouble. When being milked she holds her head out straight,
and when in the stable rests it on the and when in the stable rests it on the
manger. She eats well and chews cud, Ans.-Mix poor condition. W. J. E. Ans.-Mix three ounces each of gentiun,
ginger, nux vomica, and iodide of potas sium. Make into 24 powders, and give
her a powder every night and morninv, Feed well, and allow her out on grass for a few hours daily.
peat the prescription.

## Questions and Answers. Miscellaneous.

Tuberculosis in Cattle Tuberculosis in Cattle.
Would you kindly publish, throu
Question and Answer columns of Question and Answer columns of your
paper, the following information on sus-
pected tuberculosis in 'a herd of cattle. 1. Will one cow contract the dise
from another in the pasture field? 2. Is the beef of such cows fit for
use ? 3. Is the butter affected by the germ. 4. Will the calves contract the disens
it fed from milk of tuberculous cow? 5. Will pigs or horses con
wintered in the same stable? 6. What is the incubation period of the
germ?
7 . What are the first symptoms of the 7. What are the first symptoms of the
SUBSCRIBER Ans.-1. It is possible. 2. As a general thing, tuberculosis
does not affect the muscles, and if moan
is properly cooked humans might min is properly cooked humans might mil
contract the disease from a tuberculou
animal yet veterinarians are station animal, yet veterinarians are station
in all abattoirs to detect tuberculou
carcases and see that their is complete. Tulierculous meats are no
considered fit for human use considered fit for human use.
3. Heim, Leser,. Bang, Roth,
others, have shown that dairy produce others, have shown that dairy produc
such as whey, cheese and butter, fro
tuberculous cows, may transmit tuberculous cows, may transmit the diss
ease, even after a lapse of from one to four
4.
dise 4. Yes. This way of transmitting the
disease is a quite common cause of
spread disease is a quite common cause of t
spread of tuberulosis. The prop
method of raising calves from a tube method of raising calves from a tuber
culous herd is to separate the call from
the dam, if the dam is tuberculous, soon as born, and rear it on pasteurized milk, or from the
cow. It is possible that pigs may con-
5 . tract the disease when housed in this
way, but it is probable that the horses
will not.
6. The information obtainable on this 6. The information obtainable on thi
phase of the subject is not explicit.
7 The symptoms of tuberculosis vary 7. The symptoms of tuberculosis
according to the location of the dispas
If it is in the 位ds of the throat it
suggested by their enlargement It
disease is in the lung tissue there wou en

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$T \mathrm{HE}$ finest crops of fall wheat presently prowing were fertilized with SYDNEY BASIC SLAG, Mr E Platts, R. R. No. 2, Welland, has a field which when measured on May 12th stood 26 inches. It rèceived no other fertilizer than

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H. CLAY GLo GER, v. s.
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HOES


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The Dominion Linseed Oil Company, Limited
Baden, Ontario
Manufacturers Flax Seed Products

Questions and Answers. Miscellaneous.

Taxation-Veterinary-Polling Place. unorganized territiory, and also an is is and

 Can, school trustess and road
commed issioners colleet taxese tor istand, as $A$ has no boridge or road to island

 mals, and charge tor his services
oo, what is the penaly?


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is
limits one town
ontario
ont










## 

## OUNDED 1866

## Answers.



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Will reduce Inflamed, Strained, Swollen Tendons, Ligaments,
Muscles or Bruises. Stops the Mameness and pain from a Splint, Side Bone or Bone Spavin. No
blister, no hair gone. Horse can be ( ) $\begin{aligned} & \text { blister, no hair gone. Horse can be } \\ & \text { used. } \$ 2 \text { a bottle delivered. Describe }\end{aligned}$ - your case for special instructions ${ }^{\text {nnd }}$ Book 2 K Free ABSORBINE, JR , , the antiseptic liniment for
mankind. Reduces Strained, Torn Ligananke, Enlarged Glanss, Veins or Muscle
meants
ment



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esting of all industries. Equally aturactive to the the mall investor
and che apitaist. Offering the
safest and

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HENRY M. DOUGLAS \& COMPANY
Queen's Hotel
MEAFORD, ONT. Dr. Bell's $\begin{aligned} & \text { Veterinary M Metical Wonder io.000 } \\ & 800\end{aligned}$

 For Sale, - from the imported sire Apply:- A. DINSMORE, Manager
Adrape Granke Farm" Glengore Angus Angus buls - Tho choice
old; also trins quick sale For particulars, $\frac{\text { GEO. DAVIS \& SONS, R. R. No. }{ }^{\text {P1 }} \text { Phone No. } 384 \text { Erin, Ont }}{\text { ABERDEFN-ANGUS CATTLE }}$ For Sale OXFORD SHEEP


THE FARMER'S ADVOCATE

Questions and Answers. Miscellaneous.

Hired Man Breaks Engagement. I sent to an emplowment agency tor



Clydesdales ${ }_{A \mathrm{Are}}^{\text {That }}$ Clydesdales Three, four and five years of age, prize-winners and champions at Ottawa and
Guelph, up to 2,100 lbs. in weight, with the highest quality and choicest breeding When buying a stallion get he tries from 7 to 12 years of age, cheap. SMITH \& RICIHARDSON, COLUMBUS, ONTARIO CLYDESDALES AND PERCHERONS

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your wants
yond we will send you descriptions and pedity reses A few choice LARKIN FARMS QUEENSTO Prices reasonable


Robt. Miller Still Pays The Freight








YOU WOULDN'T PUT AXLE
GREASE ON YOUR WATCH
 your cream separator. This delicate mechanism requires ${ }^{2}$.
lubricant made especially for it. lubricant made
You must use
Standard Hand
Separator Oil if you want the bowl to run
smoothly and swiftly.
It smoote especially for separators -
mades
does not cum and is of just the does not gum and is of just the
rivht body to reach the finely adjusted bearings. Don't impaii the efficiency of your sepa-
rator by using any kind of lubrirator by using any kind of lubri-
cant. Get Standard Hand Sepzal cant. Oet Sandard hand Sppa
rator Oil made for the purrose.

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DAIRY SHORTHORNS For Sale-"Lynnore Duke,"." age he year and
months-from imported stock-highy bred. BERKSHIRE PIGS For Sale $=$ Barars and sows 9 months 4 months
and
Sod monhth, from choice Imported Ensish Stock. LyNNORE STOCK farm
Shorthorms For Sale
The Brant County, Shorthorn Club
 James Douglas, Pree. Geo. L. Telfer, Sec

## SHORTHORNS


 stowart M. Graham. R.R. No. 4. Lindsan. On

## Spring Valley Shorthorns



Oakland--60--Shorthorns

$\frac{\text { Sohn EIder \& Sons } \% \text { Hensall. Ontarik }}{1 \text { S5 M M PLE LODCGE STOCK FARM } 1915}$ SHORTHORNS AND IEICESTERS we have sold all
 Lnean (rosink one milce east of farm. 25 females, reds and rans, serviceatle, best type
and quallity, size rows milking up) to 50 lbs Thomas Graham. R.R. No. 3. Port Perry, Ont
 Two Young Shorthorn Bulls


THE FARMER'S ADVOCATE.
Questions and Answers Miscellaneous.

| What is best to do with him? He is ten years old, and in good shape and healthy <br> 2. What should I feed him? I 'ave tried several things, but in vain. <br> Ans. -1 and 2. This is probably due Drugs are not to be recommended remedy. Allow the stallion to rest from crice for a while, and feed on oats and good hay. Give regular and sufficient exercise. Read the article on page 5 .is in the issue of April 8,1915 . It ont- limes the care and attention a stallion should receive during the stud seasol. <br> Drainage Surveys. $\qquad$ I saw an article stating that the Onturio any farmer who required his farm underdrained, to the extent of sending a cornfarm, or any part thereof, for the purme some information along this line as to how and whom I should apply $\qquad$ has been published regarding the services of the Ontario Department of Agriculture. Apply to Prof. tural College, Guelph, Ont. This Depart ment will consider your request. and pro <br> Paris Green and Arsenate of Lead. 1. I notice there are two kinds dered arsenate of lead and the arsenate of lead. I should like to know which is the better to use for controling the potato beetle? |
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## voison to a pound of powder equal

$\qquad$
$\qquad$ last season of the acid lead arsenate in
fifty gallons of water, and found it non
too strong to 4. Which kind is the easier m
works best in large spray tank
5. Is a pound of arsenate of lead equal
in poison to a pound of good P'aris
green?
6. Will the arsenate of le
as quickly as Paris
7 . Which is the easier on the foliage
R. I. McR.

torm to possess a higher percentage
arsenious oxide than does the acid lea
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articlew 1. and arsemate usually varies
from 13
1.m

A

$?$
$x=3$
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Deering New Ideal The Binder for Your Fields


Deering New Ideal binder will give you the 1 best possible results at harvest time. How-
ever lodged or filled with green undergrowth your crops are, the Deering binder harvests all the grain. The Deering binder elevator, open at the rear, delivers
the grain properly to the binding attachment. Because the elevator projects ahead of the knite it delivers gran to the binder dec
straight. A third discharge arm keeps the straight. A thes free from unbound grain.
bound sheavel with
The T-shaped cutter bar is almost level whe the bottom of the platform and allows the ma-
chine to be tilted close to the ground to pick up chine to tand tre grain without pushing trash
down and tangled
in front of the knife. Either smooth section or in front of the knife. Either smooth section or
serrated knives can be used. The Deering knotter needs no recommendation.
The Deering local agent will show why Deer-
ing New Ideal binders and binder twine are ing New Ideal binders and binder twine are
always satisfactory. See the agent, or, write
to the nearest branch house for a catalogue,


International Harvester Company of Canada, Ltd branch house


## MAPLE SHADE SHORTHORNS

Nine young Bulls around a year old for sale. Sired by Archer
Hope, the winner of First Prize in Aged Bull Class at both Toronto and London, 1914. Archer's Hope is undoubtedly the best individua WILI. A. DRYDEN, Brooklin, Ont. Brooklling.T.R.R. and C.N.R. SALEM STOCK FARM $\begin{gathered}\text { HOME OF THE } \\ \text { GHAMPIONS }\end{gathered}$


GLENGOW SHORTHORNS For this season's trade we have the best bot of young bull we ever bred. Wedding
Gifts, Strathallans, Crimson Flowers and Kibean Beautys. sired by Broadhooks Prime.
These are a thick, mellow, well-bred lot. Heifers from calves up.

 JNO. MILLER - C.P.R. and G.T.R. ASHBURN, ONT Scotch-SHORTHORNS-English $\begin{aligned} & \text { If you want a thick, even feresed } \\ & \text { heifer for either show or roedind }\end{aligned}$

 For sale: a number of young bulls and heifers, also young cows sired b,
with calves at foot.
F. W. SMITH \& SON, Leng-distance Telephone. F. W. $\begin{aligned} \text { SMITRH \& } \\ \text { R. R. No. 2, SCOTLAND, ONTARIO }\end{aligned}$ Escana Farm Shorthorns ${ }^{-100}$ head in the herd, which is headed by the now




PR HIGH-CLASS SHORTHORNS $\begin{aligned} & \text { Honest representation and } \\ & \text { suare deal } \\ & \text { dis }\end{aligned}$

| Inve still left some choice young bulls, bred in the purple and bect |
| :--- |
| and see them. |
| Richardson Bros., Columbus, Ont. $\begin{array}{c}\text { Myrtle, oshamm } \\ \text { or Brookliti }\end{array}$ |

H. SMITH,

HAY P.O., ONT
12 SHORTHORN BULLS and as many heifers for sale. Write your wanta.



T

## I

'T${ }^{\circ}$ OP dress all your crops with Nitrate of Soda alone, no matter what other fertilizers you may have used. 100 pounds to the acre for seeded, and 200 pounds to the acre for cultivated crops will do the work. The increase will yield large profit over the cost.


Cotton Seed Meal
LINSEED MEAL CALF MEAL
POULTRY FOODS, etc. Write for prices.
H. FRALEIGH, Box 2, Forest, Ont.

HOLSTEIN BULLS
 Settings of Indian Runner Ducks s1.50 per setting. R. R. No. 4, M. $\underset{\text { Port Perry, Ontario }}{\text { R. }}$ There Is a Vast Difference Between Keeping HOLSTEINS
and just keeping cows. ONE GOOD HOLSTEIN
COW WLLL DO THE WORK OF TWO OR
THRE ORDNARY WW/
 other breed. There's money for you in Holsteins.
Sec'y H.-F. Association, St. Geos George, Ontario
Muple Grove Holsteins
vavaixionsix
II. Bollert, R.R. No. 1, Tavistock The Maples Holstein Herd
 $\xrightarrow{\text { THE FAIRVIEW HOLSTEIN HERD offers }}$


## Lakeside Ayrshires

 ywnumay High-Class Ayrshires $\begin{gathered}\text { If you are } \\ \text { wating a }\end{gathered}$


THE FARMER'S ADVOCATE.

Questions and Answers. Miscellaneous.

Onions Celery Heating-In oreeding and Towers.

DURABLE--Fire grates are three-sided last three times as long. Shaped in the


Furnace when "rocked". See the McClary dealer or write for booklet. ${ }_{3}$


HOLSTEIN CATTLE



## D. G. FLATT \& SON <br> Long-distance Phone

Riverside Holsteins!
Herd headed by KING JOHANNA PONTIAC KORNDYKE, a grandson of PONTIAC KORN-
DYKE, and a brother of PONTIAC LADY KORNDYKE 38 .OI
in 30 days-world's record when made. butter in 7 days, 156.92 Ibe. J. W. Richardson, R. R. No. 2, Caledonia, Ontario


 bulls ootainable. Kinn Sesis Walkers'sidest daugher wi
completed a reord of 24 liss butter in 7 days.



Holsteins
E. B. MALLORY, - BOX 66, R.F.D. - BELLEVILLE, ONTARIO T AKEVIEW STOGK FARM, $\underset{\substack{\text { Breeders of } \\ \text { High-Class }}}{\text { Holsteins }}$ E. F. OSLER, Prop. Offer for sale some choice young stock of both sexes. . A. DAWSON, M COERLEA HOLSTEINS-Herd headed by Pontlac Norine Korndyke. Our special offer
invs for this month are two choice bull calves; No. 1 born Nov. 6 th. 1914 ; he is larke and strai


Constitution in any animali, our herd sies are noted for tumping, that
That Counts young sock M. L. Haley, M. H. Haley, Springford

CITY VIEW AYRSHIRES


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## Brampton Jerseys

oware buys. Sales were never more abundant. Our
ows yearly cest never did betere We tave some
oulis for sale from Record of Performance cowe.
These - $\quad$ BRAMPTON, ONTARIO

alloway lodge stock farm Angus, Southdowns, Gollies Special $\begin{gathered}\text { for this month } \\ \text { Collie } \\ \text { Pups. }\end{gathered}$
 Mre cooper a nephiws. 100 m . Mmen stroe cuican Shorthorn Cattle, Yorkshire Hogs- Hre offering: Lambs of either ser. For on ohn ousins \& Sonses, etc.
"Buena Vista Farm" $:$ Harriston, Ontario Sheep. SWine and Seed Corn-Young stock of
both sexes in Dorset Horn and Shropshire sheep a and

 Berkahires from prize AND JERSEYS Berkshires from prizewinning dams. Guelph and
Toronto.
Herd headed by Montain Pat, Ist aged clase and champion at Yoronto in Aug. and Nov.
and at London 1913. Young took for sale, prices
low. Ira Nichols. Box 988 , Woodstock,
Ont. TAMWORTHS
28 young sows, bred for spring farrow and a few
cholce young boars, registered. John W. Todd. R.R. No. 1, Corinth, Ontario Morriston Tamworths and Shorthorns - Bred
from the prizewinning herds of England. Achoice from the prizewinning herds of England. A A chooce
lot of young sows to farrow in April. dandes and ponug baars, also choice young bulls and heifers
in caifs sird by Prud Royisis. (mp) from extra
choice mikers. Chas. Curriet, Morriston, Ont. Cloverdale Large English Berkshires Sows bred, others ready to breed; boars ready for
 IMPROVED YORKSHIRES
 Sows are priced very reasonably, and will sell in
hort order. We have a fow young Boars fit to
head any herd. Pomona Farm, Cobourk. Ont. $\underset{\text { Grove Yorkshires }}{\substack{\text { Bred from prize-win- } \\ \text { ning stock of England }}}$ and Canada. Have a choice lot of oung pops of
both sexes. pairs not akin, to offer at reasonable prices.
poseph Featherston $\& \&$ Son, Street sville. Ont. Poland-China, Chester White Swine

Elmdale Chester Whites



##  reed throug the pr be ind any whic to

 to byou now have, they are quite sutue
thermentuated in the ofstiprink thermore, conditions and weanesses are
liable to crop out that were never no-
tica
ion ticed before. The results might be al
right or they militht the all wroug. 5. It is generally consididered that these
towers are erected in order to surply the
Governument with information abount the Governuent with information about the
toporarahy of the country. They are,
of corse being erected hy the Govern-
ment, who will make as much use of
met ment, who will mane an much use of
them ans osssible. Intornation reard ing
their purpose and use is not widely or or their purpose and
willingly distributed.

Questions and Answers. Miscellaneous.

Date for Stallion Enrolment Would you please tell me, through the columns of your valuable paper, if it is
too late to have a stallion enrolled. to late to have a stanco
not, to whom should
A write ? Ans.-Write to R. W. Wade, Chief of
the Live Stock Branch, Parliament Buildthe Live Stock Branch,
ings, Toronto. Dandelions-Trouble With Calves. well as seed? this spring which we did not understand One calt, a month old, and fed on three quarts whole milk, night and morning, Ind sometimes a little at noon, and good
clean hay, bloated. The bloat was not real bad, but the call did not care about drinking, and for weeks after it seemed
dull and not playful like the others, al though it ate well. We gave it soda. which seemed to take the bloat down. It laid down most of the time and puffe
as though warm. as though warm. It has never done as
well since this sickness. It was a quic.
dri. drinker, and we thought perhaps that
had something to do with
Anot Another calf which was led whole nuill and got some of the first milking was
all right in its bowels for three or all right in hen became constipated.
days, and the
gave it nothing, and as soon gave it nothing, and as soon as its
bowels moved it scoured badly and
ponsed passed a lot of blood. We gave castor
oil to heal, and some ground cloves and or so. and was all right till a few rights ago, when it was bloated, and in the
morning it had scours. it is all rieht
again, and we gave nothing to it. It is almost three weeks old. Could you give
cause and remedy for the trouble? cause and remedy for A the trouble? Ans.-1. Fall dandelions reproduce b
seed, or by a division of the crowns sed, root. The common dandelion has
the tap root, of which no part will grow
a then broken off below the crown
withen 2. The bloating and diarrhea are prob-
ably both due to indigestion. In case of ably both due to indigestion. In case or
bloating, give sufficient purgative to
cleanse the bowels. Where Epsom salts are used, four to six ounces, with two
drams of ginger, would be sulficient. With the whole milk feed about one-sixt
as much lime water. This may be pre pared as follows: Take a stmall quan-
tity of lump lime and slake it in a pai
then fill the pail with water and sllop What one should use. A certain quan
tity of water will only dissonve so muad
ither strength so long as plenty of lime






## A BUILDING BY FREIGHT

Want a building in a hurry-a fire-proof-lightning-proof building-for READY-MADE Buildings
THE metal Shingle \& SIDING CO., Limited IPRESTON

## 

 ADAM THOMPSON, R.R. No. 1 , STRATFORD, ONTARIOBERKSHIRES---Woodburn Stock Farms
 LARGE WHITE YORKSHIRES ${ }^{\text {Have a a chice }}$ in of on ont 2 4 service and young pigs of both sexes supplied not akin at reasonabe prices. All bred. cumw W. H. J. Davis, Long-Distance 'Phone, C.P.R., G.T.R. Woodstock,

DUROC JERSEY SWINE, JERSEY CATTLE ne Duroc Jerserve we have either sex of any desired age, bred from winners and champions for
generations back. In Jerseys we have young cows in call and young bulls, high in quality and
higb and mac. CAMPBELL \& SON NORTHWOOD, ontario NEWCASTLE TAMWORTHS AND SHORTHORNS
 ELMHURST LARGE ENGLISH BERKSHIRES



Write it on the film---at the time
Make every negative more valuable by permanently recording, at the time of exposure, the all important date and title. It's a simple and an almost instantaneous process with an

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themselves are accurate and reliabel in every detail the enses are of the highest grade,
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raphy with the bother left out." and it's less expensive than you think.
The latest Korak feature is the Autographic idea. A little door in the back is
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## CANADIAN PACIFIC <br> andian Pacific <br> Ghiclets

 Ideal Vacation Route POINT-AU-BARIL RENCH and PICKEREL RIVERS SEVERN RIVERMUSKOKA LAKES
RIDEAU LAKES
LAKE ONTARIO RESORTS GBNERAL CHANGE OF TIME MAY 30 Particulars from Canadian Pacific. Ticket.
Agents or write M. G. Murphy, D. P. A.,
Toronto.

## SUNNY BRAE <br> YORKSHIRES

Spring pigs from large litters; the long,
deep kind with constitution and thrift
Also so Decenber sows; real mortgage lifters W. T. DAVIDSON \& SON Meadowvale

REALLY DELIGHTY MNT - COVERED CANDY-COATED CHEWING GUM

MAKE A CORNER
COSY
Collect the Cushion Cover Coupons with every
Chiclet
Package. Chiclets

Look Out For
Imperial Lite Assurance ompany
big advertisement in next week's
issue entitled
"The Groom's Present to the Bride

Trade Topics. resumption canadian pacietc
Great Lakes service. Passenger service via the Great Lakee
Canadian Pacific route from Port sto Nicoll will be resumed commencing Sat-
urday, May 22 nd.
The service this sea-

 and "Assinaboia" on Saturdays trom
Port Mevicoll "Manitoba", sailing Wednesdays, will asso
call at O Oen Sound each sailing date st

 xxept Friday, For reservations or
other information regarding this service. write M. G. Murphy, District Agent, or
Masenger
homeseekers' spechil tratn LEAVES Toronto 10.45 P. M.
EACH TUESDAY, COMMENCING EACH TJESDAY, COMMF
For the accommodation of Homesegecers' Canada, through train carrying tourist sleepers and colonist cars will, commenc.
ing June 1 st, leave Toronto ing June 1st, leave Toronto 10.45 p. m.
each Tuesday until further notice, rum ning through to Winnipeg. Attention is
directed to the remarkably tow rounddirected to the remarkably low roundtrip Pares nis
ers' Excursions to Western Canada via Canadian Pacific Railway. Tickets are on sale each Tuesday until October 26 th .
inclusive, and are good to return with. two months from date of sale. Anply
to any C. P. R. Agent for full particulars, or write M. G. Murphy. District
Passenger Passenger Agent, Toronto.

## Gossip.

Gavin Barbour \& Son, Crosshiil, Ont.,
write that through
their advertisement in "The Farmer's Advociate"" they have sold three Yorkshire sows, the buyers of
which have expressed them which have expressed themselves as well
pleased with their purchases. More just as good are offered.

[^1] Savings Co., London, provided the sum of 8500 for an agricultural field crop
competition in the Countr of Middlesex Ont., this season. The number of en-
tries recaived has proved very gratifying. and indicates a keen interest in growing
the best possible the best possiut crops. Every town-
ship in the county is well reperesented by well-known and successtul farmers. The
entries
thatribsted as follows - entries are distributed as follows '-
Whoat 135 , oats 105 , corn 83, potatoes, What 15, oats 105 , corn 88, potatioes, is desired that the judging of wheat and oats will be completed eariy in July.
The competition is bound to attract wide-spread interest, and will prove a
helppul stimulus to foeld crop culture.

A "cub"" reporter on a
newspaper
was sen sent
to
to newspaper was sont to Paterson to
write the story of the murder of a rich manufacturer by thieves. He spread himself on the details and naively concludod
his account with this sentence: : "Fortunately for the deceased, he had deposited all of his money in the bank
the day before, so he lost practically nothing but nis life."
"Your legal department must be vary expensive,"
"It is, "
sighed the
the eminent trust magnate.
tain ill, it ?", ${ }^{1}$ suppose you have to main, WWell, I don't know. Sometimes law.,"

A man descended from an excursion train and was wearily making his way
o the street-car. followed by his wife to the street-car. followed by his wife
and tourteen children, when a policeman
and ounhed him on the shoulder and said :
" Come along wid me."
"What for ${ }^{?}$ " "What for ?"
"Blamed if know; but when ye're
"cked up I'll go back and find out locked up r'll go back and find out

## Hake Your Lame Horse Sound, Like This

You Can Do It While He'Works, Wo mant ot atom yon that thorn and


 Spavin Remedy to eure spavine Bone or







Lyman Bros. Co., Ltd., Toronto, Ont. (MADE IN CANADA)
SAVE-
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5575 Profit Made With One
Bottle Save-The-Horse


 got no ben
spanin
and some
that hat had trie Hat had tried tor to race
sol lase year
Hent ine
 For 19 years, throughout the Whole World GOOD" GOOD" under every test.
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Bottle Sold
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 Only.) Address: TROY CHEMICAL CO., Druagista sell l
TRave-The-Horse WITH, CON-

SHIP US YOUR

## CREAM

We supply cans and pay all express charges within a radius of
miles of Berlin. Send a state ment of each shipment.
Pay every two weeks.
wRITE FOR FULL PARTICULARS.
The Berlin Creamery Co. Berlin, Canada

Cream Wanted
We are offering highest prices for cream

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## Hot Water Heating on the Farm-Why Not?

The Gurney Foundry Co. Limited, Toronto, have devoted much time and thought to the question of making hot water heating practical, convenient and inviting for the farm home. This side of farm life has not yet had the attention it deserves. Full particulars, illustrations and farmers' letters have been put into a special pamphlet which every reader of the "Farmer's Advocate" is asked to send for to-day.

T
The average Canadian farm house is far from being a place of genial warmth and comfort for a good five months in the year. It It's Some people think Hot Water Heating
is extravagantly costly to instal. It certainly is
not cont you one cent to find out all about it, and its handled from the wrong end. Hot air can't do it. Hot water can. We advantages are so great that you certainly ough want to send you the proofs.

The better-class farmer is a business man. He believes in laborsaving devices for farm work, and in housing his stock in clean, warm, comfortable barns. He is just as big a believer in having his own home warm and comfortable,
becausc it pavs, and we believe that all he wants is to be shewn the way. The
 home at problally) omls a fraction of the cost som thought necersary

What dow hot water heatine mean? It means cevery nek ar
 hir rheumatiom, collds ant misery from larn-tike heal trem?

Hot water heatine by the Gurncy Sysem means (©)MFORT. It means a home the young tomk are glad to, tay the than hreet help w.int io, work in Yius these pipes and radiators can be the rest of the rannil carce gel ip.


A Gurney Hot Water Heating System raises the value of your property. It saves money in fuel and time handling it. It preserves health. It means COMFORT for you, your women folks, your hildren, your servants. Better class farmers all over the country are waking up to these facts. We yar
you to write us today for our pamphlet "City Comfort for Country Homes" and find out for yourself just what it will mean to have citv comfort in YOUR home. A pistal will do. Address


[^0]:    > ter ter Ther bate tio fuar

[^1]:    As announced in these columns some-

