## PUBLISHED EVERV M\% 51.50 PER YEAR 

Vol. L.

## The Time for Active Development of Rural Telephone Systems

## $T^{\text {HE }}$ present deplorable war should not be considered an excuse for curtailing development

 work on independent rural telephone systems, for is it not true that the effect of the wat will be, as a whole, beneficial to rural communitiesThe Dominion (sovernment's "Patriotism and Production" Campaign in the farm papers pointed out that, on account of the war. there would be a market for all the staple foods that the farmers of Canada can produce. Prices have already adva
more from their crops this vear than ever before
This being true the rural districts should be in a better position to finance the development of telephone systems than for some years past. The residents of any wideawake community should have no reason for soing without the benctits of telephone service. Let the nell systems that have been about to orraniece or in the process of organization. proceed whth confidence and optimisn: Let the companies and municipalities already in business yo ahead at once with the proposed exten-ions of their tome. This is the time foractive de elopment work Devenay work is prociculing in mam, rural distrats. In




\section*{Clover Seeds <br> Government Standard} No. 1 Red Clover $\$ 13.00$ per bus. | No. 2 " | ". | 12.00 |
| :--- | :--- | :--- |
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| :--- |
| TISDELLE'S S E E D CORN | $\underset{\text { High germination test. }}{\text { TIShite Cap Yellow Dent, }}$ tISDELLE BROS.. Tllbury, Eseser Co., Ont. SEED CORN $\begin{aligned} & \text { Many Varieties. Specially } \\ & \text { selected and cribbed for }\end{aligned}$ (St. Joachim), ED. R. NELLIER

## SEED CORN

## 





Essex Grown Seed Corn

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Have you a
 List it withus DONGERMCOLURT LAND BULDINE 5 SAVINGS
 (a) Larcistowners \& Develope:s OfReal Estatelic Cankoa


MARCH 25,1915


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THE FARMER'S ADVOCATE.

T
TT was Lord Roberts who said: "Teach every
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steady nerves, keen sight and
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## EDITORIAL.


Both political parties curry their priviligect pete the right way.
Patrotism at home and papere solese for tho peen in the trenchese.
pividemsts, frest is the watenword of a good many of our wateredst tock patriots.
A reader asked us the other day whether Peter McArthur's fable was a real fah poer?
The farmer is solemnly reminded by one of the big city newspapers that if he tilis his farm betbig city newspaper more valuable. He had long suspected as much.

Clover seed is expensnve getting a "catch" by sowing too little seed. Ten to twelve pounds per acre is a much safer seeding than five or six.
Naval warfare has made great strides since the days of Drake. Two British superdreadnoughts more tham equal in weight the entire 129 ships of the Spanish Armada.
The biggest industry in this country, unThe biggest industry in this coun parliament,
organized, gets little attention from while smaller industries, organized, ask what while smaller industries, organized, ask their
they like and both parties hasten to grant their desires.

Fall wheat, which has suffered from spring frosts, may be benefitted by a stroke with a light harrow, and clover slightly heaved may be squeezed down by rolling as soon as
will carry the horses.
To receive a square deal in the educational, fiscal and transport affairs of the country, will be more tangible to the farmer than a pat on the hack that he is a fine fellow, and and prominent.
ance that his industry is becoming
Commonly heard on city streets-"My, but, Commonly heard on city streets- Aly, but
this war must he a harvest for the farmer !" Ask some practical feeder who is trying to produce beef and pork under present conditions what

A serpent in the garden is said to have
originated most of the trouble in the world, but the old hen and her brood are keeping it going. Moral: If you would add years and happiness to the life of your wife and family surround the
vegetable and tlower plantation this spring with vegetable and flower plantation this
a high and close woven wire fence.
In Octoher last potatoes by the car load imported from the State of Dakota were sold in Saskatchewan where there was an alarmine
shortage for $\$ 1.10$ fer hushel. Perhaps if this shortage for $\$ 1.10$ per hushel. Perhaps if this
country were to huild a feev more transcontinem country were to build a few more transcontinen
tal rafilways and pursent them to the Bige Thter
acte ests, some of the thousands of hushels
might he carial th the West where the peopl
are hunkry for them

LONDON, ONTARIO, MARCH 25, 1915

This is No Time to Throw Mud. Both political parties at Ottawa seem to be sparring for position. They expect sometieve the party press that something is an election. Some time ago we heard a great deal about the "party truce" which was established at the special war in the party press. Nasty little paragraphs have appeared in papers politically biased to one side or the other ever since that war session. They have graduatly carl the sting of parys the the coviling to bring House is acus the on an election. At corm with in an Empire at war than a suspension of hostilities on the part of two political parties we have followed Britain's lead in other with parliamentary procedure? Great Britain stands out pre-eminently as the fountain-head of good government and over there government and opposition are working together, are taiking together, are thinkimg together for the good of the nation, In Canada it is different. (her eaver of the white lag of truce the pore and is being stirred up, and the sthrowing mud and smipers on each side ate of the House as well as anada is eniger in more serious business than should permit of political mud-raking. It requires the hest ability of our statesmen than to ferret out party inefficiencies, which are all too numerous no matter which party is in power numerous neresentatives in parliament guard wel our country at this time, and let them join hands to pilot our great ship of state until it reaches the harbor of peace to which we all look forward. Mud-slinging, loyalty and disloyate cries, and carping criticisms of past party records are not in order now. There is a nigge and more imnortant task hefore our coumre, af our politicians on woth sicuce" in which harger calibre than to treak a cor anything. but the thinking purtic to the present interests of Canada.

Test Plots and Seed Plots. It will not require a thwide neld of of deal of aross convice the practiced in the handling carelessness and from the growing crop to the seed on sectill "Seed selection" is an unknown term on all too many farms, and because of careless or shiftless indifference many farmers coninue year after year to sow ansthing that sembles seed and leave the rest the grower must do his part. We are hearing the need of greater his part. this year. There is no doubt but roduction individual farmer would like an increasen production every year, and would profit in the enid by increasing the output first consideration and so should always plan to sow the best. Why not a few test prots the nucleus of the farm's rume $-x^{2}=4$ cluan, plump seed, and sow it by itself on
from weed seeds,
specially-purared phot Guard it carefully; keep the separate atheching time clean it well! if necessury hand pick and see how soon you will have a good business in seed grain, bigger yields and larger returns from the farm. Get the best varieties for your district. It may be necessary to run through a test experiment on small plote with two or three leading varieties to determine which suits your purpose best. Establish the variety on the place, and, stick to it until it fails to produce good crops and good seed. It is not necessary to "change seed," provided good seed, specially selected, is always sown. In fact yields may be substantially increased by this practice. Try it and be convinced. Start a little plot work with seeds this year, and make your own farm the source of the best seed.

What is Your Cropping System? farm?" "Ohat crop rotation do you follow on your closely to any set rotation, and so our crops do not follow each other in any regular order." The oregoing question brings forth the answer given in a large percentage of cases, and when it is answered thus, as it is by many fairiy successful as well as by scores of struggling farmers, the questioner wonders how it is that recognized bereficial features in farming are not brought into effect on every farm in the country. But there is no need to wonder. with the system or ally with the mani, and not in all other busiwith the farm. It is the same essful, has system for everything: another, struggling to keep his head above water, is the victim of an imefficient system usually due directly to his own carelessness or indifference. True, there sometimes seems o be a larger proportion of poor-system farmers than poor-system men in any other business. But are there We do not have the same opportunities to see the shortcomings of the other fellow's husiness. We venture to say that much of it is not done under the best possible system, but lown and city business seems to demand more system than the farm to prevent a crash. The soil is a patient worker for its tiller, and it does perated system or no system. However, an improved system invariatly increases returns. lifierent crops feed at different depths, and re quire different amounts of the various plant foods. Even the careless farmer knows that oats after oats after oats is not good practice; neither is wheat after wheat. In fact in these days of progressive agriculture cereal after cereal dis not considered conducive to largest crop sicid. What are you going to sow on the Oats in 1913 , ats orain in 1914 and oats once orain that the yieid is around twenty bushels per acre when it should be sixty bushels. The same is true to a degree of other crops. Why not a rotation? The excuse most frequently brought forward for lack of cropping system is failure of clover to catch, which naturally upsets plans. This is somntimes a valid reason, but too often the failure is due to lack of system, fields run
down by continuous cropping, and the sowing of down little seed. Wanure and cultivate a field as hoed crop or summer fallow one year in three or folur: krow on it one cereal crop, and one or two
clover hay or pasture crops in that time, and sow from ten to twelve pounds of clover seed per are humery :orn the the West where the per

The Farmer's Advocate and home magazine.



 For the general farm the thren-year or the four-
year is good. The former concists. of cerval,
clover, hoed crop; the latter of cercai, clover, hays




Deposits That Pay Big Interest

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fieds? These farmers are mot farming for a
year or for five years. They are in the business
to stay, and they full. realizo that the thest re o stay, and they fully realize that the best rerestment is made in farm stock and equipmont. nd the deposit in the fields is what produces the bumper yields year after year, which feed the
stock to turn in greatest profit to the owner, stock to thrn ine greatest prof up the fertility of his land until he is assured of grod crops in any
scason Grains and ali biuds of feed are hivhpriced this season, yet they have gone into live stock, and the farm has not been robbed. If the owners get market price for their feed ly selling it as finished live stock this seasorr they will be doing fairly well-better than the man who sells his feed and has no fertilizing deposit for his fields. The men whose well-drained, naturally tertine netds are crevern with a heavy cont of cause for anxiety about crops. Crops cannot
help but grow on suctr soil. The soil is well help but grow on such soil. The soil is well
fed, the crops all well fed, the stock is well fed, and so it goes. Returns are such that we vernture to say that no small proportion of the $\$ 100,000,000$ which our authoriies tell us Oncario farmers have in chartered bankes at the
present time is made up of surplus from this kind of stock farms. And yet the returns from this land depend upon the deposit of manure now stock kept upon live stock and the farmyard manure which yields big interest.
Nature's Diary
A. B. Klugh, M.A.
During the sumner of 1914 the U. S. Bio-
logican Survey conducted a census which is of
much interect to all tovers
$\qquad$

| "This bureau desires to obtain a series of censuses, beeginning with this summer, taken |
| :---: |
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taining how many pairs of each species lurem-
within definite areas. Such censuses will serve
effective, and whe her pame or insectitorous birdh
are increasing or diminishine in mulnters. The
area under olseervation should not loe loss than
40 acres-a quarter of a mill squarn, nors more
than so acris, and sholld include the furmer suild as well as fields of plowed land and oi patture on pairs of hirds actually nesting within the arten
Birds should not the counted, no matter how close their the breeding season should be chosen for this work, and starting at daylicht the olverver
should zigzag lack and forth across the arco,
$\qquad$
$\qquad$ taken as representing a breeding lair. The
census of one day should be checked and revisead by several days of further work, in order to in sure that each bird is actually nesting within
the area, and to make certain that no suecief has been overlooked. The final results of the
censulus thoult 30, and shouid he necommanied ly aldout June fined so explicitis that it will to ared area, de-


Out Through the Feed Hole. The results of this preliminary census show
that the average number of breeding birds on
farm land in the North-easturn sitater pair per acre. The census altio shows is is one der strictly farm conditions it is possible to very
largely increase the largety encrease the numher of breeding birds.
One piece of farm land of 49 acres had 137 pais or 3 pairs to the acre, another farm of 40 pairs,
has 157 acres has 157 pairs, or 4 pairs to the acre. 40 acres
latiter cas the owner had specilly latter cass the owner had specially protected rumber of breeding birds can he increased in the manner. given as to the relative abundance of the varions species. The most abundant species on the arious Sparrow this census is the Robin, the Hous reported commg second. For every 100 Robins Thrashers, 28 House Wrens, 27 lingbirds, and 26 In this census no repons from Canada, though on the map appended an
observation station is apparently at, or near Winnipeg. It Dominion, of great interest if we could conduct a census on the same lines in Canada, and I would suggest are interested in bird-life underta Advocate" who forty or eighty acres of their farms, following the directions givent above. If there is any point upon which more information tis desired in regard to the making of such a census I shall be very glad
to answer any queries. I should sugrest the second week in. June as the best time for making a census in the southern portions of Canada, and
the third week in June in the more arthe parts. The results of the census should be sent in to me during the first week of July. of the three kinds of censuses mentioned above the first, of the birds breeding on farm land, is olviously
the most important, and also the easiest conduct, not onily from the open character of the country, but because the birds found on such land are nearly all common and well-known species.
The N. S. Biological Survey wiil conduct an. The N. S. Biological Survey will conduct an-
other census' during 1915, and it will be interestother census' during 1915, and it will be interest-
ing to compare our results with theirs.

## Schools for the Home.

The Cnited States Commissioner of Education,

1. P. ('laxton, is urging the sensible view that land land, and, therefore, arts and sclences pertaining country's schemes of education. Naturally the teaching of industry and agriculture upon the the American Reput)lic, but the home and family are of prior concern, liecause in the home the activities of the nation find their roots and take
on their character. Beyond any question probably the most serious social troubles in Canadian and tions and the want of proper home training. Thinking teople are gradually coming to realize pose and methods in the work of the public chools, if they are to make the rising genera-
ion really intelligent about the life we live and the work we do. The old and excessively classical and hookith forms of education are inevitabplication of principles underlying the industries of the farm and work-shop receive a conspicuous
place in order to material success, the making of craracter is after all the real foundation. In recognition of this growing need in education,
Prof. Beni. R. Andrews, of the Teachers College of Columbia University, has heen for a couple of years engaged in an enquiry into the status of eflucation for the home in school and college by which will be an important contribution to the Far from discouraging breeders of pure-bred stock, cutting off the supply from other lands should prove an incentive to make hold strides meating more opor-

## THE HORSE.

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$\qquad$
$\qquad$
$\qquad$
II

MARCH 25,1915
THE FARMER'S ADVOCATE.

London's Shire Horse Show in War Time.

Editor "The Farmer shire Show has come and Another onde more one feels convinced that in the English heavyweight horsig we have the liest cart horse in the of 530 horses in the Agricultural Hall to realize how like-as-peas they all come, strong, sturdy, hard-wearing sorts, standing on
the best of short legs and the roundest and the eundest of biy blue hoofs. Yerhaps there may
shair on the heels of the modern show Shire, and that is the only fault one can hurl at Shire, and thateing glaring. As to the merit of the shire, there is no gainsaying. From the time of Henry VIII. to the present moment the stand-
ard of the shire-for he is the old English cart ard of the shire-for he is the old English cart
horse-has been carefully makntained and nur-
In the days of Bakelwell the prevailing cured. In the days of Bakewell the prevailing
color was blach, and at the time of Arthur Young's tour through England he mentions the
back breed as being quite distinct from the Suf black brepd as
folk. The weighty old cart horse found ready
Tomes on the stronger lands of Middle England, homes on the stronger lands of Middle England,
Derbyshire and Noitinghamshire, although the Derbyshire and Nottinghamshire, although the
Fenlands, Lancashire and Cheshire are areas which Fenlands, Lancashire an late years given the other districts a hard
have of latday the
To hight for high honors in the ring. To-day the
shire horse flourishes amazingly all ovpr England, Shire horse flourishes amazingly all ovpr England
because his tractability, his immense strength and because his tractability, his immense strength an is necessary, whether in front of a plow or Winder,
or in the shafts of a brewer's dray, a piller's or in the shafts of a brewer s dray, a piller's goods yard, place him first as a draft hurse解 Shire Horse society of the present day, at its first
show in 1880, decided that no prize should be awarded to a horse that could not pass a veteri-
nary examination for soundness. Many were the nary examination for soundness. Many were the arses debarred from entering the ring in those
early days, but the number has gradually dwindled early days, but the number has gradually dwindled
down to ". nothingness." In the course of year.s the color scheme of the Shire has materially changed, for the blacks were originally brought
from Flanders and predominated right through the breed for centuries, no longer hold sway, and the prevailing colors are bays and browns. The levelness and uniformity existing among the se-
leted animals at Islington al amays remarkathy
striling coronet has come better feet, and there is now
ho occasion ior farmers to complain of bad and ontracted feet in the Shire. There are no mot
pright pasturns or round bone or curly hair There is rather a lot of silky hair, but that is
nly said by th. way. As far as action is con
erned, the averane modern shire is able to use cerned, the averare modern shire is able to use
his limbs with freedom enough for getting over a
good day's with in good day's work in the collar. Let future lireed-
ers and exhibitors realize that if a prize is to be
won in the rinc, pace and action at the walk and rot must he de petoped just as much as walk and
mast
eshown to a liuger who is wanting a horse $t$, bhift a load a that is something near that horse's wn weight. The shire of to-day scales close on
ton weight. It can certainly pull one.
For thic For this show-the 36 th , by the way-ithe sum
$£ 2,230$ was ghven in prize-money, and a fine representative entry of good quality horses it
brought out. When I tel! you that the Agriculho stood four (teep round the crowded with people till say you cannot understand us, for, after all, Majesties the King and Queen and Princess Mary Ithough the linir's colts and fhamion day, and Well up into the placings, they ang not yet "top The male championship was full of interest arred from coming into the riag again, and we. were bound to have a new stallion hero. But we black eleven- year-old stallion Danese all thought that the
Dane
Stonewall, owned by F. F. Muntz, who had run up for lot of beating in 1913-14, would surely take on his class for senior stallions all right, and is show was expuisite. He is perhaps the most massive horse in Fngland, about $1 \neq$ tons weight,
and as becomes a son of Hendre Hydrometer, he
is stylishly is stylishly moulded with it all. Hut when it came to the championship he was "downed" and
"outed" by I.orrd Rothschild's much vounger horse, Blaisdon Jupiter, a seven-year-old son of Floucestershire, and a wod by a tenant-farmer in with a stately and well-laid-on head and neck soup tureens, and fome famous feet-as wide as
class for
Masdon Jupiter had won thi" and under ton and ower stallions, four wears old out, and loo cleared all of his height ut for the chamionct picture in the final tr
Here, when drawn
could see that Blaisdon Jupiter had the more mpact hody and the much neater look-out. ability will spread Canada-wards. That did it, and for the third year rumning Danes- History tells us that the Shire is the horse H. M. the king once told the groom that less years. It emanates from the old British he should have won the championship at Isling- black war horse upon which the men of od;" when
ton. The same groom walked him round the ring knights were bold, fought with sowething akin to before his King again and looked longing eyes at a spuked telegraph pole and encased in a suit of out for Sionewall, he was outweigh by the GENERAL NOTES. Blaiston. Jupiter was bred by a tenant-farmer farmers of Britain are just now " feeling a i.e., an agriculturist who pays his yearly rent to their farms. The proposition to bring in child his landlord). This farmer has been joked to labor-youngsters between 12 and 16 -is finding ature London champion for f50 many enterprising buyprs who are always scouring it has gone back' to 60s. There are some 'who the countrysude of İngland on the lookout for declare it will reach 90s., but the Government has possible "llyers." This $\mathbb{L 5 0}$ colt changed many promised to inquire into the cause of the rise. In bands until Lord Rothschild got him at 600 Parliament, and out of "Nestminster, it has long to this unsophisticated farmer at the ringside. Chicago are responsible for the world rise in the Within my hearing, "you'll get $£ 10$ and a gold price of wheat. Let the Dardanelles once be nedal for being his breeder; come and buy us ofened and prices will come tumbly downe friends out and gave them wine, but his heart Horse-breeding Societies have been issued, and must have been bleeding all the timp. If, at the make good reading. The Shire Horse Society original sale he had only opened his mouth a bit has a nice liftle nestegg of $\mathcal{L l 4}$, it. But hell know better in future I'll he to be found upon a register opened by the Board bound. of Agriculture for the benefit of owners who do Last year's champion mare, Messrs. IV. \& H. size. sulbstance and hair remped home size, substance and hair, romped home ugain with
the premier female title, albeit J. G. Williams' Snelston. Lady, as yet only a four-year-old, must now stand in direct succession to the title, for,
although beaten here, she is hard to get away mot mind having

The Hunters Improvement Society has a re serve fund of $£ 4,98415 \mathrm{~s}$. 11 d . and a membership youngest the National Pony Society, the although beaten here, she is hard to get away 133011 s . 6d. and a membership of 767. It is mountain a
land breeds.


The Clydesdale
Oociety is 2,394 strong in membership. Canada took 161 head
of the 837 Clydesdales exported in 1914. The
cociety has something ike £ 10,000 in hand. His golden wedding
has been celebrated by the Farl of Coventry the Hereford cattle ex-
pert breeder and feeder and authority upon
apor
steeplechase steeple-chase racing
and hunting. The City
of Worcester have made hom a Freeman model of a six-inch Three hundred and ewenty-six Shorthorn averaged $\mathcal{L} 64$ apiece.
Forty-three an im als
ran into thre rand in older bulls 450
and
guineas was chiff price paid. In yearlings, a
third-prizewinner, Duncan Stewart's realized Maclennan Cup winner
 sume excullent fillies were seen out in the or dinary classes, and Britain does not lack femalus taining the great horse of old; i. e., the armorplated war horse of other ages and the What a
haulage gun-puller of Flanders to-day. Wer
career for one type, which also is to-day the ten-ant-farmer's sheet anchor. The Duke of Westminster won the junior stal
lion championship with Eaton Fenland King, got by his rising young stallion Faton Aunsuch, out
of a tenant-farmer's mare. The junior champion mare was Sir Arthur Nicholson's Roycroft Forest Queen, also bred by a farmer.
The most successful lines of were those represented by the offispring of Chhldwick Cham pion, who won 12 class prizes between them;
Tatton Dray King, 8 prizes; Lockinge Forest King, 7; Redlynch Forest King, 6; Babingley
$\qquad$
$\qquad$
$\qquad$
$\qquad$ an ideal farm and town hors. The bread has nont it deserves. Its Society does not beat thi
hile drum sufficiently, and the Clydesdale is getting all the "hunce", fust now. But it wont he tine all the "hunce" fust now. But it wont he

Should Grain be Ground for Work Horses?
fany beliove that a horse ...th math not renuire to have his prain sround, while $t$ the Hingis is anveriment station experiments indicated that grinding the grain for horses doing ery hard work effected a saving of ten per cent. n the rations required. This is a big item, with
 horses. It was found, also, that it requires twice as long for horses to consume ground grain
when fed dry as when the same quantity is fed when fed dry as when the same quantity is fed
horoughly dampened. It does not always pay horoughly dampened. It does not always pay he convenience of the mill or the distance grain must be taken to le ground. Where power in
available at home it will surely pay to grind, available at hoine it will surely pay to grind,
and even where it is necessary to haul only a short distance grinding will prove profitable. Geatest economy in grinding comes when horses are being worked to the limit, as in sprang seed-
ing, and the old saying that krinding makes the ng, and the old saying that prinding makes the ase of the horse with the hest of teeth. In feeding ground grain, allowance must be
made for the increase in bulk due to grinding. It

Illinois it was found that horses at heavy labor required from one and one-fifth to one and
one-third pounds of grain and from one to one and one-fourth pounds of hay per hundred pounds of live weight per day in order to maintain their weight. Grain shouin of hay should be given at night. Some feed a heary feed of hantity divided into the two feeds, morning and noon. We believe feed might often be saved by cutting out the noon feed of hay, feeding a light feed in the morning and a manger full
at night.

## LIVE STOCK

How System Foretells Prosperity When visiting farms throughout the countrs tem that prevails where buildings and farms are ap-to-date, and the almost total absence of sys lem where the surrounaings have the appearance of hard times. Fecently, while passing through ord sheet fastened conveniently to the wall. A though the cows were grades and not a dair reed at that, the sheet was there which tol the value of each cow in dollars and cents was the barm, excellent silo, convenient stable fittings and all the other conveniences a result of good stock husbandry and the retslf evidences of systhe record sheet and agement on the part of the owner throughout all his farm operations System makes for efficiency, and there is noth-
ing within the reach of farmers to-day that will ing within the reach of farmers to-day that wil
accomplish so much. It is all very well to say accomplish so much. It is all very do not matter, yet the degree of indifference that stockmen show to the small things of the farm is exempliTaking into consideration the growing of crops harvesting and dispensing them day after day to steers for two or three years and further considering other expenses, it must be granted that the
producer of beef gets as small a margin as the producer of beef gets as smale a miversal use.
producer of most any article of unitan he then afford to neglect the leaks
How can he that so quickly drive a commercial concern to the wall, and
on the dollar
It is a pleasing sight to see scales and a
record sheet in the stable. In addition to their record sheet in the stable. In addition the existunce o
ance
perity.


Four pigs six weeks old at $\$ 4$ each- $\$ 16 ; 720$
Fits ms. shorts; 520 ths. chop, barley and oats; 150 old these pigs weighed 680 ths. Feed soaked
hours and fed twice a day. GEO. DOWNEY
Peel Co. Ont. [Note.-Figuring these feeds at market prices
t time of writing the feed would be worth about $\$ 28$, valuing the skim-milk at $\$ 3$. Adding this cost besides labor and at 8 cents per 1 b . the pigs would bring $\$ 54.40$, leaving $\$ 10.40$ profit.-

Black Teeth in Pigs

## satitor the suue Feb. 11, page 229, your answer





 neighors have host some too nut they yist
sememed to bother the last two or three yerars here Simeoe Co., ont. w. yr. या.

Horns Vs. Profitable Gain Horns on cattle are becoming unpopular. This
statement applies chiefly to the feeder kind that probably will be run together in lots of three or
four to a carload in size. Horns, originally, served a purpose but that necessity for, protecbeing useful, horns on cattle are now a nuisance
of the worst kind. of the worst kind. Dehorning is a practice that
may save many dollars to stockmen, and who is there that. does not need to economize in the industry to-day in order to return the profits
that satisfy that satisfy? Generally stockmen like to run
their feeder steers loose in a large box stall or yard, and that is where the horns are put to a
use that decreases gains, and furthermore, when a man's eeves and face are in danger the arguments
for dehorning stand indisputable. The process at the start is simple indeed. It
has been explained time and time again, yet during this spring we have noticed many calves that have been allowed to start horns which inust reprofitable finishing and that of their mates. A stick of caustic potash moistened and rubbed on
the buttons some time before the calves are three the buttons some time before the cales are then
weeks old will prevent their growth, and help to bring about a polled animal. The feeder prefers the animals without horns; they feed better, they ship better, and they reach the slaughter house
in better snape. This is enough to warrant the in better sname. Atlle making liberal use of the caụstic potash this spring.

Dock All The Lambs and Castrate The Males

## Perhaps March and April are the two month

 when most of the lamb crop is dropped in Ontario sider the question of docking the lambs. Whilethe practice of leaving lambs run until sold with the practice of leaving lambs run until sold with merly, the fact remains that too many lambs are merly, the fact remains that to many lambs are
$8^{\text {till }}$ allowed to run the entire summer undocked
tended by any serious loss. Once in a whit lamb which has been allowed to run until si fat, bleeds to death when the taii is amputated
but where tho age should not die. However, it is not of this to let lambs go until this age before docking. lambs is when about two weeks old. Many dock lambs is "hen about two weeks old. Many good
sherlherds "'tail" their lambs earlier than this some believing that a week is a good time. With strong, Justy youngsters, they will not be set bith
very much if docked very much if docked at a week old, but with the
general run of the lambs. twins, sinclos strong, dusty youngsters, they will not be set back day, 533 pounds milk effected a saving of 100
very much if docked at a week old, but with the pounds grain.
eeneral run of the lammbs, twins, singles, and per "When feeding 15.7 pounds milk per head per
those having poor-milking dams, two weeks is the day, 734 pounds milk effected a saving of 100 general run of the lambs, twins, singles, and
those having poor-milking dams, two weeks is the "When feeding 15.7 pounds milk per head per
better age. At this ace the lamb is in the best pounds milk effected a saving of 100
possible condition to with phats grain.
will not beand the shock, and it possible condition to whithstand the shock, and it pounds grain.
will not bleed, as a general thing, so profusely as
When feeding 17.1 pounds milk per head per will not bleed, as a general thing, so mrofusely as day, 882 poennds milk efiected a saving of 100
if left lonyer. In docking the lambs, the best pounds grain.
me hod we have found mechod we have found by practical experience, is pounds arain.
As a result of a very exhaustive experiment
to stand the lamb on all fours" and with a conducted at the Wisconsin Station it was found
charn method we have found by practical experience, is pounds arain. $A s$ a result of a very exhaustive experiment
to stand the lamt on all fours. and with a conducted at the Wisconsin Station it was found
shar," knife cut the tail from helow uppwards, al- that -
lowine the knife to clin louring the knife to slip from helween the uperards, a
 mer the kifife dwe hody. When cut in this man- skim-mik saves 100 pounds meal. - Nive knife does no permanent in wertelra, and the it simp- skim-milk saves 100 pounds monal meal with from tail on a hoard, holdiner docked he placing the mike saves 10 pounds meal. cereai rich in starch, San when fed with other meals too rich in probeen found that milk is most valuable when fed in small quantities, viz., from 3 to 6 pounds of milk for each pound of grain fed.
"When feeding 2 pounds of milk per head per day, 163 pounds of milk eflected a saving of 100 "When feeding 3 pounds wit sation day, 323 feeding 3 pounds milk per head per ounds g day, When feeding 5.4 pounds miik per head per


Would There Were More Steers Like This,
dancerous Would There Were More Steers Like


This.
are not divided, but are crushed and healing in
accomplished more slowly and the lamb recoives a greater set-back. Cutting from below recoithes
nife all that is necessary is the knife all that is necessary is to double with the down over the knife and to cut through ; the
sharper the knife the better. Lambs should be watched for a time after docking. If the blood continues a time atter the wound and the flow streams away for any weakened. Very often a handiul oill soon be material touched to the wound will cause or like eneral thing, the very fat lap the flow. As a it is advisable to have some soft bleeds most, and roumding is too profuse, tie this cond tiand, and around the stump for a fer hours. This will stop the bleeding and save the lamb. In the case cll to tie the string before amputating the it is A a precaution, the knife used should be steril. often done antiseptic solution. This is not trouble later on, and is very, little inconvenave the time of docking the lambs. At the time of docking all male lambs not include all grades and scrub pure-breds) should be ally by breedeusands of dollars are lost annulambs to feed off. Persisting in raising "buck" off the end of the scrotum and draw the tail, clip lambs are docked does not set them theck appreciably. Cutting the end of the scrotum ensures a


The Value of Dairy By-products for Hogs.
Last week we answered a question regarding
value of skim-milk for pir feeding. Since then in looking throuch a ners fulleting. Since hen in looking through a new hulletin sent out prepared hy J. B. Spencer, the following came to

.


## 路

THE FARMER'S ADVOCATE.
NARCH 25, 1915
THE
Cake, $\$ 5.25$; oatmeal, $\$ 1.00$; about 15 bushels

7 to 9 pounds separator skim-milk, 823 pounds skim-milk saves 100 pounds meal .Average of all, 542 pounds skim-milk equals "Average cal.
100 pounds meal.
..When mixed grains are worth $\$ 1$ par hun dredweight, skim-miorth as follows per hundred cities per
weight :

2 pounds per day -54 cents per cwt.
3 pounds per day- 31 cents per cwt.
5.4 pounds per day -18.6 cents per cwt.
5.7 pounds per day -13.6 cents per cwt.
17.1 pounds per da

These results are corroborated by the findings
of the Corntigators also found that the relative
Danish investigate
gain obtained from. As a result of their experi-
fed was deceased. As mints they conclude of milk may be considered stances ant to 100 pounds of rye or barley meal.
equivalent "Buttermilk has a very similar feeding value
ar y the to skim-milk, varying, of course, with the
amount of water added. amount of also has a very high feeding value
"Whey al s
when fed in conjunction with a liberal grain when fed in conjunction what when feeding about
ration. Prof. Day found that ration. Prof. Way to 1 pound of grain, from 750
2 pounds of whey
to 800 pounds of whey effected a saving of 100 to 800 pounds of
pounds of grain.

The Deadly Disease -Calf Scours.
Strong, vigorous calves, when from one to two
days old, get stupid, and in a few hours a dir-
rhea sets in. Veterinarian called it inflamma
ton of bowels, but treatment did no good. First
one lived three days, but died in great agony, throwing head around against side. Second lived but a day, and did not show such severe signs set in a few hours later. Four calves from same
herd have escaped disease, and are doing well. Cows are all well housed and well fed, and in
good condition. Fed silage with cut straw and
shorts. Would a mouldy piece of silage cause the trouble
2. Are shorts hest chop for milking cows fed
six quarts twice daily?

Undoubtedly the trouble which our correspondent has had with his calves is contagious scours.
The Veterinarian was correct, no doubt, in his diagnosis of inflammation, which had been caused of the disease gain entrance to the system
or through the cord or raw surface around the new born call's navel string.
ally c called "'white scours," but the discharge of
water generally affects calves from a few hours to a few days old, but in some cases the young animal
dwindles along for several days, and sometimes dwindles along for several days, and sometimes
wee's, and eventually dies of pneumonia or in-
flatumation. The disease often is found coinciwee is, and eventually dies of pneumonia or in-
flaumation. The dis case often is found conch-
dent with an outbreak of contagious abortion, and the germ: thrive in the absence of light and
presence of moisture, so that it is absolutely necessary to lighten up the stable and keep it
The cow about to freshen should be placed it,
be an abundance of clean, dry bedding in the
stall. The young calf's navel cord should be
se an abundance of clean, dry bedding in the
stall. The young calf's navel cord should be
tied $1 \frac{1}{2}$ to 2 inches below its junction with the body with a disinfected cord and the navel string
and all raw surface around it be disinfected by an
application of a and all raw surface around it be disinfected by an
application of a 5 per cent. carbolic acid solution
This should be repeated. until the navel cord shrivels up. The navel of the calf should be
treated in the same manner as the navel of a colt
is treated
Was advisers through internal formalin treatment Core it was succession in correspondents re porte disease. Other salves navel cord had prevented the disease on
bald in stables infected by the organ
powdered catechu , try powdered chalk, 2 oas, angels, $\$ 2.25$; abets worth of sugar, $\$ 1$ worth drams; peppermint water, 1 , pint. Give one of potatoes, a and about $\$ 5$ of apples, making morning. It is always well to give a dose of weaning for the others. The one lot at birth castor oil previous to starting this mixture. $\quad$ cost about $\$ 12$, and the other A correspondent some years ago recommended time about, $\$ 20$, making a total of $\$ 145$. The
the following mixture : Take from 1 to 2 table- 18 pigs at present have cost about $\$ 6.20$ per 100

 with a pint of new milk; shake, so as to mix, atty, there is considerate he hog will show, eve
and five to the calf from a bottle warm, after- for a smaller profit than the
wards feed sparingly a pint of new milk twice a under present conditions. lay for three days.

FARM.

## Boiling In.

$$
\begin{aligned}
& \text { Sir Jingo Mc Bore wouldn't fail } \\
& \text { To make a calf drink from a pal }
\end{aligned}
$$ O make a calf drink from a pail

But the calf would be trimmer For the milk would be skimmed
$\qquad$ sugar-making, we selected a narrow cradle knoll that stood high and dry, and was convenient to
the brush pile we had made when trimming the the brush pile we had made when trimming the
thorn hedge a couple of years ago. As the wind thorn hedge a couple of sears ago in attest we dug in a trench on
was from the north that side for our firebox, laid an iron across the
front for a grate and a couple of buggy axles across the top to hold up the par, and proceeded to boil in. Of course, it was not as good as an arch or a modern evaporator,
prisingly well. We had a good draught and the brush was dry, and we found no trouble in "putting in"' over thirty pailful in less than a legal day. The next time we had a good run we
found that the wind had shifted to the southeast, so we dug our trench right through the rooted stan all the heat from blowing through, we soon had it going like a stove, and the sap went in "like all possestet. There was just enough fuel were handy, and when we got well started I lit my pipe with a coal and began to enjoy life. The birds had
come back over night and were singing everywhere, just as if there were no wars with thenar
horrors in the world. With plenty of pleasant work to do in the warm sunshine I found that I, too, could throw off the night-mare for a while. coven found that although I have hern giving some time past-figuring out. how much he stands to gain by the new tariff -1 was not very bitter
against him. In fact all the thoughts I had
$\qquad$
$\qquad$
They have marshalled their forces
Well, said that the qualify that. Between the thorn pileand the fire there is a barbed wire fence, and trywas just about as ticklish a job, as discussing
the other man lose his. I might pursue theit just, I finallysolved my fuel problem thy breaking up the thornthrowing convenient lengths for as this brush hasbeen drying for two years most of the thorns
rattled off while the branches were being broken,rattled off while the branches were being broken,
and I was able to handle the stuff with leathergloves without. getting Podded more than
couple of times. One satisfaction about thepile of trash and was not using any wood that
might be used for the house. Timber is now soscarce that a tl averse to cutting any hut wind
falls, and even the tops and the bring that falls
from the trees every winter make first class summes wood. Where gond wood is used to make
maple syrup the fuel usually inst more than the

Another correspondent reported good success
fromm giving a cupful of strong black tea almost
cold The dose was repeated four to six time e
delis. We have lite earth in this reneely, but it
is cheap and not harmful, and might be tried.
An Irish paper some time ago recommended the iollowny: Take ib. tea; 5 pints nice clean on a shilling; boil all down to $3 \frac{1}{2}$ pints; then
take $\frac{1}{2}$ pint of the best whiskey and 11 t . of load sugar; grind the sugar and mix with the whit
key; stir and light with a match; burn 1, mither. Of this mixture give 1 pint three time daily with a quarter pint of good new milk, but
no more. When the scours stop, the whiskey may be discontinued, but keep on with the tea. seen bad cases stopped by the use of raw eggs.
The stock' mman took the eg, cracked the shell up The stoc'man took the eger, cracked the she
fine, and put the wholly well down the cali's throat, giving him two or three of these a day, ant in
short time the scours ceased. It is a simple
$\qquad$
$\qquad$ and the ordinary form of scours, and being very deadly, and far more dangerous, requires more drastic action. The formalin treatment app the
locally to the navel of every young calf, is the hest preventative, and, as far an we ne re is the
find out, the internal formalin treatment is
best method of attempting a cure. It is deadly disease, and, the calves being attacked at so early an age, are very likely to succumb calve
prevent the ordinary form of scours, the cal should be kept out of drafts, should wot he fe
from dirty pails, and should always ice fed fro quently, and in small quantities, rather than in large quantities at infrequent intervals.
$\qquad$
$\qquad$
$\qquad$
$\qquad$ think I can raise them at present prices ( $7 \frac{1}{2}$
cents per 1 l. .) and show a small profit by puttingthem away at about 170 or 175 lis. live weight.
I had two sows farrow last October, and onsome reason or other would not take her mas

## Pig Profits,

$\qquad$
Sued the milk very slowly for water of binitichcockily
 9
fity Mapie trees each year we can get all the
fuel we will need from the hedge. I understand fuel we will need from the hedge. I understan
that using waste material in this way, to pro duce by-products, is highly approved of by the scientists, and I expect to get a whole lot o
good marks for using the pesky stuff in this way

Some farmers are yeting excited
When they think of the trings . Mr. White did When they think of the thrings Mr. Whit
But he needn't care if
They rage at his tariff
Poor Sir Jingo McBore is delighted.

When we sugared-off or rather syruped-off I thought I had proven conclusively that it makes
a great deal of difference what hind of land the maples grow on. The syrup was a beautimul amber, and full of the divine flavors that make
true maple syrup worth protecting by law. The bush we are using this year stands on a qravelly knoll, and the trees are second growth timber of
the thriftiest kind. Last year we made syrup from trees on a clay bottom, and it was almost as black as tar and lacked much of the quality it should have. We had somre of it left over and
could compare it with this year's product-and there was no comparison. The new syrup was there was no comparison. I thought I had the matter settled, and was beginning to hlow about the addition 1 was going
to make to the scientific lore of maple-suzar making when a visitor stopped one of my
rhapsodies to as'k: "Were there any soft maples among the trees
you tapped last year?" you tapped last vear ?
I admitted that there were.
I"Then that accounts for it. One soft maple Will blacken all the syrup in a whole bush. It
is the soft manles that make the difference and is the soft manles that make the ditference and
not the land on which the trees grow.:
So now I have to try my experiments all So now I have to try my experiments alt
over again before I can be sure. And I suspect
that there may he some truth in what the visitor said, for I seem to remember that soft maphe
bark was one of the incredients of a rioneer ink
for which I once saw a rocipe. Truiv the was

Disposal of Farm Sewage.

Here, through the efforts of bacteria, decomposi-
tion takes place, and liquids result which are car compartment an overflow pipe into the second (c) is installed which trips at the proper time, alloming the liquid to flow out into a line of field t
tile. where percolation takes place and the soil s,
swallows up the effluent.

> stems have been installed with sewer pipe catin drain, but in all cases ordinary field
c.
4
$\xrightarrow{T O T L C S} \rightarrow$
 should not he the The field tile One foot from the seaper thane, and feet, in light soil. and a a great-
pr distance in heavy soil
should should aiso theary soil. They
level. ior on the
gieasond or ron bend, as ordinartly used into nich is securely built into the plumbers, The system of rough the sites fistrituting the effluer stems have been installed ed in figure 2. Some purpose wo care ill answer the
if The sfitem operates somewhat as follows: Th owage enters the first compartment through the mile; here hacteria operate upon it and con-
ert it into a liquid form. It floms slowly orer into the second compartment, and whem it orer reached a heicht where the unlocking valve wail be rebeased, the whole contents of the second com-
vartment will fow out into the system of fold tile. Is the tank requires from twelve hours to a day to fill, it will be seen that the tile will
have ample time to empty themselves into the oil before the second flush takes place. To preplank floor should be placed on top of the tank plank floor should be placed on top of the tank
and this covered with about six inches of soil.
$\qquad$ are placed may not becom. saturated when the Another system may be explained which has
upper part is dry. In order to accomplish this, been in operation on .Weldwood Farm" for two The tank should be so located that the bottom of winters and one summer, and has given perfect atisfaction. The principle involved in this sys tem is similar to the one already described, but
 5. The this case was huilt with three ompartments, thinking that the decomposition arried on in the tank would he more complete. and that no evil conse, fuences could result from
e.mpt inu fo into the hush or fiold. The tank is hant. andly of old brick, hecause they were at mont stricture would have answered the purpose
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$\qquad$tank for some time, forms of hacterial lif.. will is-
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THE FARMER'S ADVOCATE.
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MARCH 25, 1915
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$\qquad$
nary foul compost at the rear of the house, an wit
ordinary cess from the dwelling. If this be dug about
tance fred 7 feet deep and walled with large stone
. He made an outline of all the information he knew of any successful retailer getting. Then he
went to his books and tried to get the same information about HIS business. But the infor-
mation he needed wasn't there. His system
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Re Tax on Agriculture.
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$\qquad$ Farmer
pleased
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Taxed?"
ous cases
to preater production andency in wrging farme
ing to the differalties in the way of securing this
increased production. But why select only these
items? The cost of agricultural production is
affected just as much by the cost of agricultural
implements and fencing as by the cost of ferti-
implement
lizers an
argument which you have used so justly to show
the folly of handicapping the farmer in his pur
the folly of handicapping the farmer in his pur-
chase of fertilizers and cottonsed motal tis equal-

have heen already advanced in many of these
lines, and consequently the cost of agricultural

Mr. Me Millans wewellent lefter drals with the

present financial condition. I was disillusioned,
howewer, by the buderet announced on Feb. 11
last. Since that date I have ben too disgusted
last. Since that date I have bern foo disermsted
and discomraged to say vory much. Irr m! anmual


justice to the occasion. Nr.
wrone when he uses the trmm "hiabolical "nact-
ments." And he is timhe in maintamine that,

made an appeal to the Federal Government to
substitute a direct tax upon land values for the
indirect tariff tax; but Mr. White did not even
indirect tariff tax; but Mr. White did not even
condescend to refer to their appeal in his speech.
Such being the case it seemed to me that words
Such being the case it seemed to me that words
would be wasted in making, any further appeals.
After reading Mr. McMillan's letter, however, I
After reading Mr. McMillan's letter, however, I
have come to the conclusion that silence is not
golden under present conditions. The true patriot
will speak out-must indeed speak out if he is
will speak out-must indeed speak out if he is
not a coward and a traitor to his country's best
interests. Our future is bound up with the suc-
cess and development of agriculture, and it
should be proclaimed from the housetops that
agriculture is doomed, and our nation doomed te
agriculture is doomed, andruptcy unless there is a radical change in
our whole system of taxation.
$\begin{aligned} & \text { Brant County, Ont. }\end{aligned}$

Be Your Own Boss.
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's no' richt an ye shouldna hae done that, but a. ma mistakes are brought tae ma notice in the correctin' them wi'oot losin' ma self-respect by bein' called doon by some mon wha hae na mair
richt tae a place on this airth than masel'. icht tae a place on this airth than mase, an'
They tell us that a men are born tree an equal. I dinna believe it. But what I dae
believe is that there's a middlin' good chance for almaist ony, mon in this country tae die free an independent, gin he gaes aboot it in the richt
way. An' that way is tae dae yer ain thinkin an' 'tae mak' a habit o ' takin' orders frae nae-
oody but versel.
The I The Lord made us men, an mon forget it either

A Letter Appreciated

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Speaking of Roads

Experiments With Farm Crops in 1915.
The members of the Ontario Agricultural and
Fxperimental Urion are pleased to state that for
1915 they are prepared to distribute into every
township of Ontario material of higte quality for
experiments with grain, fodder crops, roots,




 | 9 |
| :--- | \(\begin{aligned} \& Testing three varieties of husking corn.......3 may <br>

\& Testing the the seed-bed to a fit condition of\end{aligned}\)
$\qquad$ 12 Testing three varieties of Swedish turnips 13
Testing two varieties of fall turnips........
14
Testing two varieties of carrots
 17 Testing two varietics of sorghum
19 Testing rape, kale and field cabbage
$\begin{array}{ll}20 & \text { Testing three varieties of clover } \\ 21 & \text { Testing two varieties of alfalfa..... } \\ 22 & \text { Testing four varieties of }\end{array}$
${ }_{23}^{22}$ Testing four varieties of grasses......

30 Testing three grain mixtures for fodder
Any person in Ontario may choose any one ot
the experiments for 1915 and apply for the
same. The material will be furnished in the
while the supply lasts. Fach applicant should
make a second choice, as the material for the
experiment selected as first choice might be ex-
$\qquad$
$\qquad$
$\qquad$ the experiment. Each person applying for an
experiment should write his name and address
very carefully, and should vive the name of the county in which he lives.
Ontario Agricultural College. C. A. ZADITZ.

Preparing the Land and Sowing the Crop.

THE FARMER'S ADVOCATE.
maRCH 25,1915
grass anid clover. Up to 1913 we had usually
sown 9 to 10 pounds per acre. Sometimes in
unfavorable seasons we found this
In 1913 we sowed
ths. per acre in the 'proportion of 6 ths . re
His. alfalfa. The
Turkestan strain, 62
by itself
that was
proved a valuable addition. It came to the
$\qquad$
stalks to corresponvilith which, is eaten greedily
was also had which yielded a goodly quantity of
timothy per acre, sown with the seeder on the
grain drill in spring grain and with the wheel
and seeder on the fall wheat, and generall,
Middlesex Co., Ont. Chas. M. MACFIE
Experiments in Weed Eradication.
ntario Agricultural and Experimental Union
$\qquad$
co-operated in this work. The weeds experi-
Grass, Bladder Campion, ITild Mustard and Ox-
exe Daisy. Some very interesting and valuable
$\qquad$
$\qquad$
satisfaction the effectiveness of the method tried,
and at the same $\qquad$
ontinued this year (1915). The weeds to be experimented Bladder Campion or Cow Bell,
Twitch Grass, Bu
Wild Mustard and Ox-eye Daisy. If you have
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by applying $\qquad$
menter or receipt of application blank properly
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eradication of 'Twitch Grass and Perennial Sow
Thistle when sown in drills and cultivated than
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The Time for Thinking and Tinkering.
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an be made the most profitable period of the year.
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The Land Makes a Difference.
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THE FARMER'S ADVOCATE.
brought from a German flavor plantation and
tried for two years to produce the same quality rum, but to no purpose, a perfect failure. So it with it. I must say that I have had no ence with maple syrup manufacturing, but have
spent a number of years on sugar-cane planta-
tions and know for a fact that what I have tions and know for a fact that what I have
stated is quite correct; and I should certainly think that the different soils would produce different quality maple syrup. SOUTHERNER.
Durham Co., Ont. Likes the Gang Plow.

that is not thoroughly dinvided I would go over it again with the harrow, After this roll seed and harrow once after the drill. I have
tried rolling after the drill instead of hefore, but much prefer rolling before the drill. When rolling after
damp, the roller makes it too solid for the young
plants. It is also better to roll before the drill plants. It is also better to roll before the drill
to help keep the drill from putting the seed too deep keep the drill from putting the seed too
d find that the plants come up quicker and stronger when the seed has been sown shal-
aow than they do when sown deep, and the crop low than they do when sown deep, and the crop
will also stand a drouth better when the seed has not been put in too deep.
When ground that has been fall ploughed for a spring crop is very dirty with thistles or other
weeds and grass go up the dead furrows with weeds and grass go up the dead furrows wit crosswise with the wide iron harrows and then hitch on the gany plow. I prefer one with three
wheels and that turns at least three furrows at a time, the three-wheoled ones are not as liable
to shove away fromy tough or hard ground as the
two-wheeled ploughs, and hy having one which tro-w seceral furrows you can get over the
turns
pround faster ty putting on more horses. I have round faster be puting on more horses
tried a great many implement, hut have no
found anything yet to equal the gang plough found anything sea has lieen fall ploughed
dirity ground
plough as shatlow as the plough will work wel plough as shallow as the ploweh will work wel
and cut a thin slice off all the groud. IRe sur
to will cut eversthing. This wiil help, to kill somi
of the thistles or other weeds, and those that it
 go over it with the wide irom harrows unt

## THE DAIRY.

Is the Present Price of Cheese Too High ?
Editor "The Farmer's Advocate" :
Whenever the price of any produc reaches a point that there is a reasonable profit
in the production, of that article, at once, in host cases, begins a campaign to "hammer down the price." Cheese is no exception to the ge
eral rule, hence we see that the "hammerin process has already begun.


Progeny of Producers.
 London, Eng," "Grocer's Gazette," from which Are not the New Zealanders or shippers of
cimese getting too much for their cheese, which is largely being used for the defenders of the
Inited Kingdom, of which New Zealand is part?" (By the way I noticed that Peter MIcFeter is a real farmer, he knows that the farmer
 might be advisalle to give our troops in train-
ing some butter, and less cheese than they are ing some butter, and less cour troops in train-
now getting. If the
cheese were to the they cheese were to stop for a short period the pror
would probably fall 20 s . per cwt. It is known that it takes double the quantity of millto make one cwt. of butter than is required milk make the same quantity (weight) of cheese.
Therefore, if butter is 134 s ., cheese should be about 67s. per cwt Me should like to offer the following comments on the foregoing: 1. The farmers of Canada should uphold in
every way possible the New /ealand form tery way possible the New //ealand farmers in ing fair prices for their cheese. Farmers' inter-
ests are world-wide. We in Canal ests are world-wide. We in Canada can no longer afford to cavil at, or be jealous of, the
prosperity of farmers on the other side of the globe. The world of farmers is now so of the brought about by rapid transportation, that the
New Zealander tis our next-door neighbor New Z.ealander is our next-door neighbor on the
markets of Great Britain. The writer has never
mater markets of Great Britain. The writer has never
been in New Zealand, but we are safe in saying
that even under present prices sither that even under present prices of cheese the the
dairy farmer of New Zealand is not dairy farmer of New Zealand is not making a
fortune. The fairy tales of fortunes in fortune. The pairy tales of fortunes in farming
need revising, and a few facts from the experineed of farmers in general should receive the same publicity that is given a few isolated cases 2. The writer of the foregoing letters, one of for War" in Great Britain, forgets the large number of times that cheese sells for-not 90 shillings per cwt., but $70,65,60,50,45$, and
even down to 40 shillimgs per cwt., which latter price netted the Colonial farmer about six cents per pound of cheese for the milk required to
make the cheese. Where then was the profit? The cheese industry of Canada was on the verge of extinction before the recent rise in price. The
dealers in and consumers of Canadian cheese may as well understand at once that if cheese magy hack to its former level of prices, the milk pro-
ducers for Canadian cheese factories will surely quit the business, and the poor and rich people will have cut off one of the cheapest sources of food energy at present available.
3 . The value of cheose as a been understood by the consuming classes. They willingly pay 18 to 25 cents per pound for beef and 25 to 30 cents a pound for bacon, but consider cheese at 20 cents per pound too expensive.
The author of Bulletin 221 Ontario Deptartment of Agriculture savs : Cheese is one of our most oncentrated foods. More than one-fourth of its weight is protein, about one-third fats, one-third
water. It is not only valualle for the amount of protein, or muscle-forming material, and fat it contains, but, also hecause of the ease with variety
hich it "an he served." dication of the high
nutritive value of nutritive value of
chese. it may be
pointed out that one
pound of cheese conpointed out that one
prund of cheese con-
tains nearly all the
protein and fat in tains nearly all the
protein and fat in
one gallon of milk.
Or. if we compare it Or, if we compare it
wit other protein.
fonds we find $t \mathrm{~h}$ at fonds, we find th at
one pound of cheses has nearly the same
value as two pounds of fresh beef, or any
ot her fresh meat
food and it is also
culal to two pounds
 pounds of fish."
Acording to this
estimate of relative According to thiv
estimate of reative
food values, $w$ hen
focth meats are pur-
$\qquad$
cent s per pound,
cheese is worth 36 to 50 centsper
pound. The author o
4. The
lough too slow. If any of them hate a fat
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$\qquad$



Tiling prices, particulerly in summer. What we increases the area of the pen by lighting all ists around the farm could be requisitioned for need is not a lowering of the price of cheose to parts, making it as light to scratch in the center this purpose, and thus reduce the expense very elevation in the price in other lines. Quoting $\underset{\substack{\text { mith the } \\ \text { again from Bulletin } 221, \\ \text {, butter at } \\ 30 \\ \text { cents per }}}{ }$ again
pound produces 12,000 calories her heat unts), whereas sirion calories; eggs at 25 cents per dozen but 4,132 caloles. We thus see that butter is
give 3,853 calories. Whesent prices. give 3,86y too cheap at present prices.
I know of no more that of placing correct inthe present time than that of placing correct inrelative values of noods is wasted on the purchase A great material that does not sustain the truman body economican and and the dietetic value of flavoring material, etc., it is undoubtedly true that the highe cost osing any deficiency in trially requirements, by knowing something more body reqummonly known by purchasers of food,
than is comme needs of the human body and how
regarding the to purchase these needucts of all kinds take a high place. Instead of a lowering of prices for highiry goods, there is a need for increasing the
dairy
price so that dairy farmers would be encouraged to keep things clean and sanitary in their stables and in cows and milk clean, requires labor; labor costs money, and the rewards in the past have not been comm in dairying, or, for thrat matter in any other line of farm manufacture. Instead of a lowering of prices for farm produce there is great need of an increase in order of the present campaign of Patriotism and Production, is that it will call attention to the value of farms and farming, from a national
viewpoint in such a way as has never been done ada realize that we must begin to pay for the spending era which has characterized us up to
the present. The wealth to pay back what we the present. The wealth to pay back what we
have borrowed must come out of our mines, soil, hence farming will occupy a relatively more important place in the eyes of Canadians than "hammer" down prices is a poor way to accomadian finance, realize is a necessity at the presen
time.
H. H. DEAN

The Dairy and Cold Storage Branch of th
Dominion Department of Agriculture informs that Abraham schneir, a butter dealer in Mon treal, appeared in court on Monday last to an
swer a chrarge of selling one pound blocks of butswer a clrarge of selling one pound blocks of thut-
ter which were under weight, and was fined $\$ 50.00$ or two months in jail. The information was laid
by Inspector Bouchard, of the Dairy and Cold
Ston Storage Commissioner's Staff. This is the first
conviction for this offence under the Dairy Indus-
try Act, 1914.

## POULTRY.

| A Satisfactory Henhouse. |
| :---: |
| During the summer of 1914 it became necessary |
| construct a henhouse on "Weldwood Farm" in |
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| ns |
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| und, 4 feet 6 inches bigh at the back, and 3 |
| leet high in the front. The ridge is 7 feet high, |
| with a door in the east end and a window 5 feet |
| Tinches by 4 fupt 2 ! inches in the |
| the entire front or south side is open to the |
| atmosphere, being covered only with chicken wire. |
| the roosts are placed at the baik |
| Which is four and one-half feet high, but the |
| roosts themselves are placed so the hirds will |
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| eldwoor |
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|  |
| was loft as in the low front is the long |
| roof was raisod at the |
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need is not a
correpond with that of butter, but rather an of the pen as it is in front. The additional materially. The previous list is given to convey
coration in the price of buter to correspond
glass also admits more sunlight, making the pen some tidea of how much would be required. No warmer during the day. The extra glass space suggestions are necessary as to the quality; that
would tend to cool the house at night, but during is a matter of taste. However, substantial mawould tend to cool the house at night, but during
the winter now passing it was not found necossary the winter now passing it was not found necessary

Another chance was made in the lenyth of the
milding. An a
he east end as a "handy room." In this part
the feed may be kept, would-be sitters broken up
the feed may be kept, would-be sitters broken up
and hens set. The henhouse proper is still 20 by 20 feet, and a substantial proper is still 20
from the handy roparates it from the handy room. One dozen nests are in-
stalled in the east wall. Iach nest is $15!$ inches talled in the east wall. Fach nest is $15 \frac{1}{2}$ inches on the same plan. S. The built one two years ago lony and $8 \frac{1}{2}$ inches deep, inside measurempnts, ber with an abundance of chass. The house is and made in the shape of a hox without a cover. 36 feet by 12 feet; the north is 8 feet high with wall to accommodate each nest. When the hens are high. I have trap doors for gathering the eggs fed in the morning, the nests are pulled through in hall, and the house is divided into three into the henhouse proper, and when they are fod apartments, three feet of board, rest wire.
again at night. the nests are pushed back into the It has proved very successful. I tave purehandy room. The nests themselves slide on a bred Barred Rocks and they have laid all wirter
small cleat, and whichever way they may be On south side I have a large yard enclosed with small cleat, and whichever way they may be chicken wire divided into three parts, so as to
pulled the end of the nest completes the wall, so chicker
there is no open space. When a hen decides to let them out and still keep them separate. there is no open space, when a hen decides to
sit, she is simply. pulled, nest and all, into the
narrow room and given the eggs without disturbiny her in any way. Under this system the fowl
never roost on the nests, and they are easily kept
nenitary and clean Retwe sanitary and clean. Between the handy room
and henhouse proper a convenient door, made chiefly of wire, is hung so it will swing, both ways
and close automatically. The roosts were arranged at the back of the pen and made in the
form of a frame, which is hinged to the uprights in the wall so it will lift up and fasten to the adds to the area, as they may be hooked up at 12 inches The roosts are 14 inches apart and the wall could well afford to be higher, but it would then be inconvenient to lift the irame and
The house happens to be so situated that when the wind is in a certain direction it swerves
around other buildings and blows rather strongly around the front of the house, sometimes carrying with it too much snow. This undesirable feature was overcome by a screen of cheesecloth
attached to the front while the direction of the wind and nature of the weather were unfavorable. Throughout the wintor of 1914 and 1915 one hun-
dred hens were housed in this building. All came through in excellent condition without frost bites and all appeared healthy and vigorous.
During February the house was divided with a partition of chicken wire into two breeding pens. This division will exist, of course, untll the breed-
ng season is over, when the hens will te allowed
 $2 \times 4 \times 14,4$ pieces, $2 \times 4 \times 12 ; 3 \times$ pieces, $2 \times 4 \times 10 ;$ creases from that time whether the crop is 15 feet, $1 \times 12 \times 12 ; 25$ feet $1 \times 12 \times 16 ; 4$ pleces, 12 and cured. $12 y$ soaking the leaves and stems of 3 pieces, $1 \times 10 \times 14$, 7 pieces, $1 \times 10 \times 12$, 10 pieces, the plant in water for 24 hours with frequent
$1 \times 212,22$ pieces, $1 \times 2 \times 14$; 600 feet, sheathing, aritation, anhout, threequarters of the nicotine
70 feet, 2 -inch matched lumber: 50 feet, $\}$-in. Will lie extracted. This should he done in a matched lumber.:. was planed, as the intentions of the product...
All tre material was that a solution containing
are to paint the buiding, but the dressed lumber
 lumber would be just as good, as far as protec- 50 Wis. of dried plants be soaked in 100 gallons
lion and warmen are concerned. The roof was of water and 1 part of water added to each
then cace particularls a cheaper sheathing would do will tost in the vicinity of no per cent. How-

tract analyzed so the dilutions could be n
exactly. The Burley would be a suitable var

Dilution of Lime-sulphur Made Easy


## Reading on Hydrometer. $\quad$ First Application.

 SipecisicGiavity Baume lime-sulphur. Water.
Scaip Gale

 $1.270=31 \ldots$
$1.260=30$
$1.250=29 \ldots$
$1.240=28 \ldots$



$\qquad$
 haps will not relish iit, but some will and they
should have it. Iictoria ampl Raspberry are two
of the best varieties. Should have it. Victoria ampl Raspleery are two al
of the best varieties.
The foregoing garden crops are more or less
perennial in nature, and should occupy a position
of the garden that must not be tramped over
during, cultivation. We now comee to the annuals
$\square$
FOUNDED 1866
for it cannot last too long. (Golden Bantam is

## 

MARCH Country Gentleman and Stowell's and it is early.
also good, but they are later
Citrons make excellent Citrons make excellent preserves, and the
young plants would be better grown under some
protection and transplanted later intr protection and transplanted grown under some
However, they will thrive and usually halls.
when sow early in the garden. One varure
will suffice, it is the colorado Preserving.
Cucumbers are used for slicing and pickling.
For the former use Navis Perfiect, and Cumberland are best, and for pickling, Westerfield and
('hicago rickling have ween recommended. Onions have peculiarities of their own, but
they are a necessity in the culinary practice.
The Vellow Globe Ianvers, Prizetaker, Red West.
 Red dolo are the varieties grown with preference
given to the first.
Carrots are another staple. (hautenay is
good. but Danvers and the Rulicon follow Carrots are another staple. (Thautenay is
good. but Daners and the Rulhicon follow very
closeis. An early. sowing Should be made, and again ahout the first of June for later use, and
Parsmips mas the mentioned with two varieties, Hollow Crown and Cuernses.
Pumpkins. The pie season would be a failure
without pumpkins, and to make it a success plant sugar and Jumbo. th make it a success
Squash also figure in the garden. For an early squash, (rookneck and White Best Scallop
are servicable varieties, hut Hubbard is a good
late variet, Irelons make a very nice desert. Rocky Ford
or Fimerald Gem1 Hackensack and Montraal Mar-
het are wood kinds of musk melons, while Hunket are cood kinds of musk melons, while Hun-
carian Honey and cole's Farly are the most garian toresen of the water melon type.
likely to riment
Turnips,- Farly: Extra Early, Purpletop Milan, Colden Ball, Late: Swedes,
Spinach,-Victoria, Virofly, Bloomfield.


Spraying as Usual.
$1.120=15 \frac{1}{2}, \ldots \ldots \ldots$
*The fraction need not be taken into account
unless the user wishes to do so.
${ }^{* *}$ The smaller number is for use against San
Jose Scale, the larger for use where there is no
scale.
$\qquad$
Varieties of Vegetables to Grow trarden is premared. Frequent sowines
in the Farm Garden.
in the Farm Garden. take place at intervals of a week, After it is

SPRAY CALENDAR.
revibed up to date for "the farmer's advocate" by l. caesar, o.a.o., guelph.

|  | Lat application | 4 aiplication | 3rd application. | remaris. |
| :---: | :---: | :---: | :---: | :---: |
|  | Whortly before the buds burst. Use Al or B. For San Jose Scale prune severely, scrape of loose bark, and drench the whole tree, paying spe- cial attention to outer twigs. |  |  |  |
|  |  above under apple |  | Just after blossoms have fallen. Use A3 or D, with 2 ins. ars lead to 40 gals. |  |
|  | $\begin{aligned} & \text { Just before the buds } \\ & \text { burst. Use A1 or IB. } \\ & \text { For San Jose Scale see } \\ & \text { above under apple. } \end{aligned}$ |  |  |  |
| $\qquad$ |  |  |  |  |
|  |  | omo |  |  |
|  | Shortly before buds burst Use A1 or B. For San spray heavily. |  |  |  |
| Scale. | Before growth bogins. Use D. Omit if not troubled |  |  | $\begin{aligned} & \text { If anthracnose is very severe, set out new plantation } \\ & \text { of healthy shoots. If disease begins, cut out ola } \\ & \text { canes as soon as fruit is picked, also badly-attacked } \\ & \text { new ones, and burn. For red rust, remove and burn } \\ & \text { plants at once. No other remedy. For crown gell } \\ & \text { set out plants in fresh soil, rejecting any plant wits } \\ & \text { a gall on root or crown. } \end{aligned}$ |
|  |  |  |  |  |
| BEAN.-Anthracno bacteriosis |  | ohowing no sigma of diveneo | e. Do not work among |  |
| CABBAGE AND TURNLP. Flea-beetles, caterpillars, root maggots, aphids. |  |  |  |  |
|  |  |  |  |  |
| $\begin{aligned} & \text { ASPARACU rot, flea-he. } \\ & \text { Rust, beetles. } \end{aligned}$ |  |  |  | is over spray with arsenate of lead: repeat in two is onth is about over, cut and burs |

## 



Formulae for Insecticides

|  |
| :---: |
|  |  |
|  |  |

 halr these strength
2.-PARIS GREEX-(a) $\frac{1}{2}$ to 1 ib , to 40 gals,; alone, add 1 or $2 l l s$ s. fresh lime. (b) 110 mived with 50 ths. Land plaster, air-slaked limete or
some similar substance, for dustine on wlants Some simlar substance, for dusting on plants. used : urning.
 Bran
Paris
P.
Molasses
Miater Lemons. any large receptacie the night before using. morning squeeze the juice of the lemons chopper, add this and also molasses water, stir well, then pour the liquid upon poisoned bran, and mix so thoroughly that through the finger Aprly in the sawdus. letween 5 and 7 oclock hy scattering so thinl. over the infested field, fence corners and roadsides, that the above amount will cover 4 or
5 acres. Sometim's a seoond application about 3 days later is necessary. Use as soon about 3 days later is necessars.
as the pest is abundant. Do not look for
results for 2 or 3 days. This mixture applied in evening will also orms and Army

Water, or dust undiluted over the plants. II.-CONTACT POISONS (chiefly for sucking kerosene emuldion-

Kerosene (Coal Oil) ......... 2 gals

$$
\begin{aligned}
& \text { Rain water } . . . . . . . . . . . . . . . . . . . . . . . ~ \\
& \text { 1 gal. } \\
& \text { Soap } \text { gal. } \\
& \hline
\end{aligned}
$$

$$
\begin{aligned}
& \text { Soap } \\
& \text { Dissolve the soap in water by slicing and boil }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Dissolve the soap in water by slicing and boil- } \\
& \text { ing ; take from fire, and while hot pour in } \\
& \text { kerosene and churn vigorously for five }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Ing; take from fire, and while hot pour in } \\
& \text { kerosene and churn vigorously for five } \\
& \text { minutes. For use dilute with } 9 \text { parts of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { minutes. For use dilute with } 9 \text { parts } \\
& \text { water, so that the above } 3 \text { gals. of stoc }
\end{aligned}
$$

$$
\begin{aligned}
& \text { water, so that the ahove } \text { so }^{3} \text { gals. of stock } \\
& \text { emulsion will make } 30 \text { gals. of spray mixture. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { emulsion will make } 30 \text { gals. of spray mixture. } \\
& \text { 2. - WHIALE OIL SOAP. For brown or black } \\
& \text { aphids, } 1 \text { th. in } 4 \text { gals. For green aphids. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 2. Whids, } 1 \text { th. in } 4 \text { gals. For brown or black } \\
& \text { apheen aphids, } \\
& \text { thrip and leaf-hopper, } 1 \mathrm{tb} \text {. in } 6 \text { gals. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { thrip and leaf-hopper, } 1 \mathrm{it} \text {, in } 6 \text { gals. } \\
& \text { 3.-TOBACCO WATER.-Steep } 1 \mathrm{tb} \text {. refuse }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 3.-TOBACCO WatER.-Steep } 1 \text { tb, refuse } \\
& \text { tobacco in } 1 \text { gal, oi water for } 1 \text {, hour, mahe }
\end{aligned}
$$

## causes it to turn reddish brown, add more I.-LIME SULPHUR WASH. <br> 1.-HOME BOILED (for use on dormant wood

| Fresh stone lime | 2 |
| :---: | :---: |
|  |  |
| Walphur (thour or towers) |  |

FOUNDED 1866
cold water to cool the whole mass and pre-
vent further combination. Strain into spray tank. Keep well agitated while spraying.
III.-DISINFECTANTS (for pruning tools and
for wounds on trees):-
weight $=1$ tablet to 1 pint of water. 1,000 by CUTIO - Corrosive subi poison to man or beast if taken internally It will also corrode iron or metal, so use in a glass or wooden vessel and be sure to wash these out very thoroughly when through using

- Lime-sulphur about $t$ wice spring strength,
- Lime-sulphur about twice spring strength,
or bluestone, 1 to. dissolved in about 14 gals. water, may be used to disinfect wounds or Cankers, but is not satisfactory in case of Par Blight. STICKER Resin Water ............ ......... .. ............ 1 gal.
Boil together till a clear brown color which takes from 1 to $1 \frac{1}{2}$ bours. Cook in an iron kettle in an open place. Add the above to foliage like onions, cabt,age or asparagus. oliage like onions, cabt,age or asparagus. I add 1 or 2 lbs of fresh lime to every 40 gallons of spray.

The Farmer's Calendar. The season for spraying is here again and we trust the spray atendar compiled by L. Caesar. of the Ontario Agricultural College, will be looked for as it has been in years past. In
revising the Calendar, Mr. Caesar has made altera. tions and additions. The "Remarks" regarding anfl.s. thea:s, plums and cherries have been largely rewriten and curtain things have been added
reparding san Jose sicale. A few things of minor reqarding an Jose scale. A few things of minor ments haw been added, such as preparations to
usen againct grasshoppers, arms worms and cut use drainst arasshoppers, army worms and cut
worms. The Spray (alendar should be kept in a con enint place, always accessithe, for the recommandations apply to the carden and fields as well Association Vs. Member Re Selling


| Fall Wheat | hus, | 21.51 | $\$ 1.02$ | $\$ 23.23$ |
| :--- | :--- | :--- | :--- | :--- |

Do Migratory Birds Return to Their

where I can rise up from the bosom of the frest days later Narch 16 , Delilah came accompanied by a beautiful greenhead sweetheart.
Essex Co., Ont.

Fertilizer and Cottonseed Exempt From Tariff Charges
oh clouded age, when nation would
Engage, with sensuous lust of blood
Engage, wart sons of womanhood in batt
The stannon's roar, the fire-swept
Mid canch
Heaped with the brave, unsinning slain like cattle
Shall Christian nations, mart,
Be thus,
The war dogs, ratice of manhood feed
The lust and hate of nations' greed
The lust and of wives and mothers bleed unceas
The orphan's cry will reach above
The orphan's cry
Can there be carnage and yet love? Hypocrisy
Rise; favored nations, rise, pursue
Your calling high, your faith renew
Hail glorious dawn, with promise blest,
Hail gioriring men and nations rest,
When warrion weal, their highest, best endeavor
The common
The common weal, their mighest,
The desert will be biooming then
The "spear be pruning hook" again
The "poere
The "Prince of Peace" rule over men, forever.
The "Prince of Peace" rule over men, forever.
Elgin Co., Ont.
Average Acre Values of Ontario Field Crops.

$$
\begin{aligned}
& \text { The figures in the following table are obtained } \\
& \text { The are } \\
& \text { on census and Statistics }
\end{aligned}
$$ rr deduced from the Census and Statistics

Honthly for December 1914 and January, 1915 . Profits per acre for 1914 will vary wit
of production, yield and market price.
Average yields and values per acre of fiel
crops for Ontario in 1914, and some
profits per acre, 1913.
FARM BULLETIN
$\qquad$ pleased to note that the Budget brought down
by the Ho. W. T. White, Minister of Finance,
some time aro. Was altered in some respects besome time ago was altered in some respects be-
fore finally passing the House. The farm press stood united in questioning the advisability of placing a tax on plant food and cottonseed meal,
and a copy of the editorial, "Should plant food and a copy of the editorial, Should plant lach
le taxed, which appered in our issue of March
11 was sent to ten prominent members on each 11 was sent to ten prominent members on each
side of the House. Hon. Mr. White included, with a request that this subject be given their best a request that this subject be given their best
consideration. Farmers generally are gratified
to know that raw fertilizers, and manufactured consideration. Farmers generaty are gratinied
to know that raw fertilizers, and manufactured
fertiizers fertiiizers as well, have heen exempted from the tariff increase, as have also cottonseed meal and
cottonseed cake. These are the specific articles cottonseed cake. These are the specific articles
whicty our Editorial discussed, and letters from farmers as soon as the article was printed Showed that they were heartily in accord with
the stand of their farm paper. The Finance the stand of their farm paper. The Finance mended on taking this stand, which is only reaseed meal will continue on the free list, and seed meal wil continue on the free inst, and the increass. Other articles exempted from the
increase as first introduced are : Wild edible increase as first introduced are: Wild edible
berries; manuscripts; bananas; silk in the gum or berries; manuscripts; bamanas; silk in the gum or
spun silk to bo used in the manufacture of woven
labels; coffee milk for inlabels; coffee; milk for in-
fants;
foods; platinum.

fants foods; platinum.
The tax on patent medi-
cines is decreased f room cines is decreased from
one cent omeach te en
cents of value cher cents of value, sold re$t$ wenty-five cents retail
value. The increased tariff win ines and spirits, Their value minus the ex-
cise duty assessed against
them in the couter them in the country of their manufacture on provided that cents on a pint instead of 5 cents as at
first, and champagne is
taved 13 cents on a half tased 13 cents on a hal
pint instead of 25 cents Some changes are also announced in stamp
taxes. Fire insurance companies operating on a taxes. Fire insurance compamies operat the 1 per
purely mutual basis are exempted from
cent tux on net premiums. Press despatches are cent tax on net premiums. Press despatches are grams. The $\$ 3$ tax on ocean tickets
laced on a value of $\$ 30$, is clianged to $\$ 3$ on tickets at a alue of $\$ 40$, and the tax of $\$ 5$ on
tickets costinir $\$ 60$ is made $\$ 5$ on tickets costing shough hanks must pay the 2 cent tax the same
throus
Promissory notus between private in as chec's. Promissory notes between private in
dividuals, where these notes do not pass through

Farming Capitalized


New Dairy and Co-operative Laws in Quebec.

| At the last zission of the Quebec Legislature, a very important amendment was made to the law on dairying. Th. Province will be divided into districts, not than fifty in number. However, this num .... may be changed by other bylaws adopited the theirymen's is iociation and approved be the Ifamant (iovernor in Council. The latter mas a pmint inspectors-general, assistant inspectors and an inspector for each district ahove whoment. Such officers must he experts who hula cortificates of competency from the board of Dairymen's lsacition. Their principal duties shali be to supmonal the production and supply of milk, as well as the manufacture of butter and cheese in the difirent factories of the Province. | These inspectors will superede the syndicate insprectors. The will be paid we the government, Whitst before ome-hali of their salary was paid by the syndicates formed liy che se and butt or ma'ers They will be govermed by b-laws adonted hy the Datromen's Association and approsen of by the Lientmant conemor in Cobncil. <br> liwar person, company or society carreine on a butwe factory shall be boond to encare a head Antremater who, teesides the diwhoma he must howe from the hoard of examiners, holds a diploma or certificate as milk or croam tester. or both, isued by the board of examiner. Such buttermaker so qualified shall grade the cream hrought or sent to the factory by the patrons and shall divide the same into two classes numbered respec- | tively one and two. mass suitable for making first-quality butter and class No. 2 shall consist of all other cream accopted by the buttromaker for makinr butter. The cram in each clasi shall be converted into butter separatils <br> Each class of butur must the sold separately, and the proceeds of such sale shall he divided amone the patrons according to yuality, and in the proportion of the quantity of cream in each class suppliod by mach patron. The croam of each patron must be brought or sent to the factory in separate receptaclos. The classification, manufacture and sale above mentioned shall be so made separately in conformity with the by-laws drawn up by the inspector gimeral of butter factories, |
| :---: | :---: | :---: |

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THE FARMER'S ADVOCATE.
who is authorized to make such regulations for When the societys sucter or the Government butter factories, or for one or some of then, as
the case may be, provided they are approved by the case may be, provided they are approved by
the board of examiners of the Dairymen's Associathe board of examiners of the Dairymen a factors, the classification, manufacture and sale separately
shall not be obligatory; they shall be obligatory. number of patrons and cneam from others. Every co-operative agricultural society or
other society or company which is the owner of other society or company which is the owner of
a butter factory or cheese factory, or a butter
and cheese factory, may pas; by-laws with and ch the quality of the milk or cream, brought by
him, causes damage to the society, the board of regard to the ciassification of milk and
cream, the manufacture and sale of butter or
checse, but such by-laws, beiore coming into directors shall sue such patron for the damage incurred, unless such patron pays the damages so
caused. The factory, cheese factory or butter and cheese factory shall be obliged to sterilize the skimmed milk milk or cream brought to and worked 1 mis his factory: He must also keep the skimmed milk
and the buttermilk and whey in receptacles or vats of metal, not of wood, until sold or distributed. Hese factories may, on account of special circumstances in which one or several factories
may be situated, exempt such factory or factories
from the oblimation to sterilize. force, must be approved by the inspeetor-gencrat.
Such by-laws, amony other thinss, may regulate: (a) The classification of the cream brought or (b) The manufacture into butter of the cream of both classes separately, and the separate sale an end to such exemption by aneans of a notice of the butter so obtained:
(c) The separate division of the proceeds of the
sale of each class of butter among the Eersons an end to such exemption by means of a notice
in writiny. served by regristered letter or othersale of each class of butter among the persons
entitled thereto: $\qquad$
$\qquad$ (d) The classification, into two separate
classes, of first-quality milk and cream and secondlasses, of first-quality milk and cream and secondhilk and cream into butter, the sale of the butter and the division of the proceeds of such sale in compliance with the provisions of paragraphs b
and c .
If the board of directors of a society or comThe inspector or an oflicer of the Department
of Agriculture, when the proceeds of milk or creamm
are divided between the patrons of a butter or
cheese factory, or a butter and cheese factory, is If the board of directors of a society or com- tion, however, is authortized when the owner of the purposes above mentioned, the inspector his own benefit. The owner and the manager of general of butter factories may himself make such
by-laws, but in that case the by-laws made by the inspector general must before coming into force Dairymen's Association cociety or company which is the owner of a butter factory or cheese factory, or a butter and cheese
factory, may: all damages suffered by it, against any person
bringing to the factory unwholesome or sour bringing to the factory unwholesome or sour adulterated, without notifying thereof the manage: or owner of the factory, whether such person is
a member of the society or not; (b) Sue any person or association, for damages
caused by such person or association to the society in its trade and commerce in dairy products.
The damages which the society may recover shall be apportioned between its members, in pro-
portion to the quantity of milk and cream supplied y each during the time fixed by the board of directors, and in the manner determined by such
board. For the purposes of this article, all damages
caused by any person to the patrons who are caused any person to the patrons who are
a society, by supplying milk that is unwholesome, or sour or skimmed, or in any way overed among
 sociation is more prosperous than ever, and conproducts. largely to the improvement of and caryToronto Exhibition, out of 24 prizes, 20 were obtained by members of that Association. Were
he same competition, at the Ottawa Exhibitin

Toronto, Montreal, Buffalo, and Other Leading Markets. Toronto.


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warci 25, 1915


Farmers' Accounts Farmers' Accounts are given
special attention. Money loaned special attention. Money Chese
to responsible farmers.
checks cashed, notes collected or checks cashe
discounted.
Money deposited in our Savings Bank returns you interest at
and is ready when required.
Why not open a Savings Account Why not open a Savings Account
as a reserve to pay on your mort-
gage or to buy new implements ? gage or to buy new implements? $\underset{\substack{\text { Wenk } \\ \text { benk }}}{\text { and }}$

The Bank of Nova Scotia
 branches of this bant $: \begin{aligned} & \text { In every Canadian Province, and } \\ & \text { In Newfoundland, West Indies, } \\ & \text { Rotorn }\end{aligned}$

|  | Montreal. |
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Chicago.

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Deadly Explosive Known

A Prayer in Time of War

only:
'For a moment! Then our manhood Puts the sorrows by,
Crushes down again the heart throb, Crushes down again the heart
Yuells the rising sigh.
And once more we set our taces
 Sternly toward the front,
Brace again our nerves and sinews " Thrust away from you still another mist-and about her children played.
glass," said the Voice as of the south "The world is ever fair," she said. Brace again our nerrut.
For 'the battle's brunt.
Onward! With success or failure We have nought to do. So the woman turned the searchight So the woman grew old in good works, Ours to do our duty nobly
All life's journey through." Those who are accepting their cheert!11
-be they large or small-with cher
courage are helping the world far more -be they large or small-with cheertnl
courage are helping the world far more
than they know. One of the greatest
treasurea in the world is Joy. if you treasures in the world is Joy. If you can pour out days as well as in days
stream, in dark of sunshine, you are a public benefactor Even in this time of war the sun is still
shining behind the clouds, and some day the clouds will vanish. Let us loo glorious despair. Think of the soldiers who say, "Are we downhearted? No! facing probable starvation, said, "I have still my boots left, and as long as
have that most excellent meal left I will not surrender." He did not surrender human weakness with Divine strength, We are weak, but our Divine Ally is All
Mighty. We can be victors every day if we dr
from Him


Corner of a Den. glimpse of sunshine, nor bright faces of the Voice as the murmuring of the south
children and flowers, nor sonys of tird, wind through the casement. Hast
but only the glint of hard gold and thou found thy three jewels? it asked. thou no." said the woman, and Hersceforth orld. may he the tabo worlsamong which walked shadowy, far-off seen no jewels."
" Yet for all these years thou hast had
figures. spised, will take a more honored place in the social fabric. Whether of hande be awarded its rightful place... And 1t was as though a burden had rolled The soft murmuring died away, and bo Medievalism with its false standards ara she, "and the branches of the tree "Thou hast 'used' the jewels," the Voice
wave in the wind ; the leaves turn their had said, and she pondered. Then her Three Jewels


The House and Its Furnishings.
('continued).
THE DEN AND LIBRARY: bacco-brown tints, is best, with curtains ing. There must be enough warmthand be reserved for them, all the better; if
of scrim stencilled along the border or dryness to prevent dampness, which not, an upholstered window-seat, with a
inset with coarse of scrim stencilled along the border or dryness to prevent dampness, which not, an upholstered window-seat, with a
inset with coarse lace. The rug should causes mould. On the other hand, ex- box as foundation, will be found of use.
be a few shades darker than
There seems nothing more to be said be a few shades darker than the walls. Cessive heat must be avoided, as it There seems nothing more to be said
Comfortable chairs, and a heavy table causes the covers to warp and the backs about the equipment of a library. Per-
haps one may close by quoting the pins, etc., may be kept, will complete As a rule, the shelves should not be words of a writer in T. P'.s Weekly, in the equipment. too wide-eight inches is enough for whose mind, evidently, the "book" quesFassing the mere furnishing, we come most books-and when the shelf chances tion looms large as a most important
to the real soul and spirit of the library, to be wider than the books, the books feature in any dwelling : "You need to the real soul and spirit of the library, to be wider than the books. the books feature in any dwelling : fou need
the books: should be drawn forward to the front: never fear the scrutiny of a man of
sher Do you know this, that nothing in the they lonk better that way than when taste and culture if your household sur-
world can so reveal you as the boaks shoved hack, with a gaping vacancy of roundings are plain and simple, and if in your library? You have heard of the bare wood in front. Also, the cases your books are well chosen according to


Homelike House
Don't undertake to furnish the den with pictures; let the good man do
that for himself. If you essay it you are about as likely to suit him as when
you choose his neckties. The chances are that you may put up poster hunting scenes when he would much rather have
Gibson girls, or "The Hanging of the Crane," when he'd greatly prefer one of
that gromgy-looking Chantecleer leaning ap against a doorway as he sagely ob-
erves, "/ What's the use, anyway? An egg yesterday and a feather duster toGive "the man" some good cushions,
with washable covers (denim is good). for his couch, and short washable cur-
tains for his window. Il you let him games. You don't need to bother much In many houses lithrary und den are
one, an arrangement which works well Whough-sometimes. however,
anyone in the house is of very studious turn of mind, it
nishing is the the chief item of fur-
be built-in or that these should either
built-in bookcase has its advantage. It
economizes space, and aflords no crevices
beneath in which dust may lurk. And
most certainly it should be provided
with sliding doors; this will save end-
species, on the other hand, also has its
advantages. It is very dust-proof, and
you can buy just enough shelves to hold
the books on hand, adding more to the
As a rule, tonc, rather low cases (not
better than tall ones. It is very ex-
asperating to hiow to climb upon a hair to reach a book. Besides, the top at por placing a jar or two for flow-
fs, while the wall-splace provides room nay be sephin portraits of preat
hen, or cophes of famous paint
ngs, all phich may tained from the Wrrry Pictures Co., Mal-
den, Mass., or from the Brown and Cosmos Companit, of New York, at very
trifing cost. Thrse prints, as a rule
look well Cream mato and thain wooden framee
Needless to sav, the whole atmospher Ithe llbrary shav, the whole atmospher


Cals. We have often used it.
Sponge Cake. - 3 eggs, beat one minutes; add 1 cup flour, beat one minute more, then add cup water, another
cup of flour, 2 teaspoons baking powder.
Flavor with a moderate oven 25 or 30 minutes. Thanking you in advance.
York Co., Ont.
. ROSEBUD." I find the following method for clean-
Ing a l'anama hat among my notes Have made at the druggist's the follow-
ing solutions: (1) Sodium hyposulphite ing solutions: (1) Sodium hyposulphite
10 parts, glycerine 5 parts, alcohol 10 $\begin{array}{lll}\text { parts, water } 90 & \text { parts. } & \text { (2) } \\ \text { (2) }\end{array}$ 2 parts. alcohol 10 parts, water 90 parts. First, sponge the hat over with
the first solution, and leave in a cellar apply the second preparation similarly. ment size-which consists of gutta perch dissolved in ether-applying it over the surface of the hat with a soft brush, al-
lowing it to dry while in perfect shape. lowing it to dry while in perfect shape.
Scientific American gives also the fol-
lowing method. which is easier. Scrubthe hat well with Castile or ivory soap. and warm water, using a nail brush
to take off the dirt. $\begin{array}{r}\text { dace in } \\ \text { Ita } \\ \text { the hot sun to dry, and leave for }\end{array}$ added to the water will quite predrying, while a little ammonia in the wash water materially assists in the
letely and rinse well. When you take
with a Turkish towel, and let it rest
he towel when drying.
follows j Put a small quantity of
oxallc acid into a clean pan and pour
on enough scalding water to cover the
at five minutes, then dry quickly in
the sun. Straw hats may be stained
any color hy the hat stains and enamels
blackened by applying first black hat
off the too glossy appearance.


Affording Both Space and Dignity.
$\qquad$
$\qquad$
Barry, have you not? Having decided ornate bookcase is in very bad taste,
that it was fashionable to own a library, detracts from the books. Which should she ordered from a bookseller one thou- the chief attraction.
sand volumes, to be bound in rose Mo- hogany, walnut, fumed oak, weathered rocco and stamped with the arms of Du oak, Flemish or early English, are an Sarry. The whole consignment arrived very good for shelves or en the roo seeing them brought in, little suspected Finally, see that the library is sup that the greater number of them were plied with a few essentials that
to be overlooked. An ink bottle that
but cheap "remainders" rebound. If you own a library of classics, with will not upset may prevent profanie. leaves uncut and pages free from are rack will protect the top of the tablat



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supplies.

Being a Advocate
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Fashion Dept.
Order by number, giving age or meas
urement, as required, and allowing at
state in which issue pattern appeared.
Price ten cents PER PATTERN. If
$\qquad$
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to sign your name when ordering pat-
terns. Many forget to do this. Send the following pattern to: Post Office........... County
Province
$\qquad$ Measurement-Waist, ......... Bust, .........
Date of issue in which pattern appeared

Fashion Notes.
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$\qquad$ dress,
used.
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TheBeaverCircle


Empire Dress for Misses and

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$\qquad$ ling. Quickly he hides under a busther
and none too soon, for it is his father
and mother returning home. They do
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## teskrat. <br> 

## Try this Thirsty Flour

A very thirsty flour. Absorbs a lot of water. Because it contains so much gluten. Manitoba wheat is wonderfully rich in sturdy gluten.
And, think of it, FIVE ROSES is milled exclusively from the very cream of the Manitoba wheat berries.
So FIVE ROSES must be awfully thirsty, don't you see.
In your mixing bowl it greedily absorbs more water.
more water. using more flour. You use less.
Your flour lasts longer, doesn't it ?
Your flour lasts longer, der's.
Less trips to your dealer's.
That's how FIVE ROSES saves money.
That's how FIVE ROSES sav
Use this economical flour.


| ing in a frightful was | The Syrup of |  |
| :---: | :---: | :---: |
|  | a Fundred | house he has bu |
| Our brave omplurer does not venture | \% Uses |  |
|  | of course, "Crown Brand" is your |  |
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| Some arrives at the toot ot the hill | you enjoy its delicious, appetizing |  |
|  | Swits Brea, | - |
|  | But what about "Crown Brand in |  |
| manders on, and soon finds |  |  |
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| and |  | ${ }_{\text {and }}^{\text {and perhap }}$ |
| Sose |  | ${ }_{\text {mal }}^{\text {mal }}$ is |
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| plore the regions below. Off he toward the farmsard, he can hear |  |  |
| horsees sta the catle | ces for all kinds of Pudding | Mine |
| near | you always use it for Candy-making? "Crown |  |
|  | Corn Syrup handy, convenient |  |
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THE FARMER'S ADVOCATE. ent, and puntrees overtace of conceall


 aver queer noies whet ing interivy mouth open. and Mrenter docie eves "move on." but the terrible thins is
 the escrme
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$\qquad$
$\qquad$ $\underset{\substack{\text { horrid } \\ \text { Ond } \\ \text { Brow }}}{\substack{\text { rem }}}$

| LEARN DRESSMAKING IN YOUR HOME |
| :---: |
| $\mathrm{W}^{\mathrm{E}}$ want our method of Dress Cutting to to go |
| Our method is easy to learn. It was never defeated in any contest: needs no rehitting, if gence can cut perfect fitting garments after completing our course <br> Write for free booklet. terms, and further in- |
| $\underset{\text { Dept. Lis. }}{\text { Eld }}$ |

## GREAM <br> Where are you shipping now? And what are you getting for your And what are you getting for your cream? Wie want more individual shiptor indiriduat ship

 day; hut now, as night is near, theyare looking for a place to pass the
hours of darkness. For a time they
keep up a great peeping and movig keep up a great peeping and moving
about. but after a time all seem to be
in and in a comfortable position seem to be
reigns, except for the reigns, except for the breathing of the
animals, and an ocrasional stamp of
the horsen overheud

And Get It Ready for Spring Sowing
$\qquad$


Costs less than repairing


From The Fountain Head.






## YOU Will Not Be Inconvenienced By Our Fire

 which swept sign. That signtwas burned in the fire but we have hung up another sign just like it-in another buiding that we secured before the flames of the old had arranged for the purchase of sufficient raw materials -including potash-w commence at once the replacement

So the farmers of Camala will not suffer the slightest ments can le made almost immediately: And it will be the same stiperior fertilizer that the name "GUNNS" has fion are so strong, that athough we may suffer some tem perary mondentenct-anderen monctary loss-in counter
acting this set-back, we are able to make this promise
"Business as usual and quality as usual, in spite of the fire

Gunns Limited, West Toronto

Weston, Ontario, Importing Barns

> J. в. носате,

Ten Imported Percheron Stallions and Two Mares

ARCH 25, 1915
THE FARMER'S ADVOCATE.
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a litte he can in neat rows. T'assing along a little further what luck 1 They are filled with apples! What a find ! is is soon satisfied with the delicious fruit.
and seeks a secluded corner where he nd seeks a
goes to sleep.
He does not dream this time, and
sleeps on, till aroused by the houschuld sleeps on, till aroused by the household
getting up. What a tramping and getting up. What a tramping ans the crackle of the fire, and all the
sounds of early morning on the farm ! To poor Brownie it is terrible, for he
has never been so near it belore. He crouches back into the corner, as some one comes down into the cellar.
ing out he sees the same person
was with the children vesterdav. was with the children yesterday, She
opens a door into a small room, and
prings out something in a dish and goes brings out something in a dish and goe
pack upstairs. He can hear the child
One little fellow ask. ren talking. One little fellow ask
"Namma can we find the pitty ittio
doggie in the water to-day ?.". "Ter
dhaps so, if it is there; you know doggie in the water to-day?" "Per
haps so, if it is there; you know it
went away yesterday, and may not com went away yesterday, and may not come
back again." He hears no more as the
tamily goes to breakfast, and only the
murmur of voices, and the rattle of the murnur
$\qquad$
$\qquad$What is that rumbling like thunder
which is coming near? Only a carriagecoming in the driveway, and with
loud whoa ! from the driver comes tostop. Leaviny the horse standing at
the door, a neightor steps inside. ."Oh
what lazy people! not done break fastwhat lazy people! not done breakfast
yet !". is his greeting. "Hello have you
been out all night?" is the reply. Withhis home in the cellare and away he
waddles, and is soon tast asleep in his
corner behind the friendly barrels. He corner behind the friendly barrels. He He
thinks he has only just gone to sleep, As the days grow short and cold, he
needs all his wits to keep out of simht as some one is constantly coming and going up and down all day. Poor fel-
low, he has many a narrow escape frow low, he has many a narrow escape from
being found. One day the farmer comes
down to down to sort over some of the apples
lor shipping: and comes quite near where Brownie is hiding. As he begins to look over the fruit he exclaims: "What
in the world is at these apples? Surely it is not squirrels; for their teeth are been destroyed! Just look! nearly a
bushel of the very best, too! It is very strange!" But the naughty little
brown thie--for that he is-does not stir; but wishes they would go away
and leave him in peace. What a fuss many have been thrown to those uyly
pigs, and to begrudge him a few ! He works himself into quite a fury, and in-
stead of quitting this place and poing home, as he had thought of doing he
decides to stay, aud let them know he is not afraid. Not he! Put his re-
maining is his undoing, as we shall see. Day after day the same program is
enacted; the farmer is getting very indignant by this time to think he canno
unravel the mystery. One day he working at the apples, and some of the
children are in the cellar with him watching father sort the pretty fruit
Suddenly "por of them shouts, "Oh
look! What ids it?" Immediately all been out all night ?" is the reply. With
much good natured banter the men go
out followed by the children, who run
of to find the "pitty dogpie in the look in the direction in which th
chublyy finger is pointing: but there is
nothing to be seen, for Brownie(for h nothing to be sen, , or Brownie-(for he
it is) has darted behind some boxes which for the time conceal him from er is aroused, and a thought enters his
head, perhaps this thing is what is de
stoving his fruit, and he is determinet unearth the culprit. Poor Browni
a bad way, for they are movin everything and looking so carefully, wit will be found this time; but he scuttle hiding place. The call to dinner comes, and with the
words, we will have a look after dinner, they all troop upstairs. Ne sleeps on;
his chance for a nap. II but the first thing he knows he is rude
but
Iy awakened by a bright light from the lantern, and he is obliged to run his life. They catch a glimpse of hi
as he whisks behind the barrels; bu they are after him. From one place
concealment to another he goes; b, $\pi$
$\qquad$
$\qquad$
$\qquad$ ing him a sharp blow across his dain
nose ends ali his good times. mamma and see the 'ittle dorgie'
which the child persists in calling
$\qquad$ which the child persists in calling surely we have gotten a long way ahea hubbub is ahout her hushand holds
to vice poor litte brownie, who is st
and duiet enough now. "1 do not think will eat any more apples. is
farmer, and carries him away. is
mother goes slowly loack urstans, it
sight of the limp, brown body with , life gone out of it, strikes her mainfull
and with a very sober face she go about her houschold dutices.
As night comes and supper or and the bright fire in the open stove
throwing its cheerful light over
$\qquad$
$\qquad$
$\qquad$


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FINE Babv Girl for adoption. strong and healthy, $\frac{\text { age } 1 \text { year. G. Martin. Leamington. Ont. }}{\frac{\mathrm{H}^{2}}{\text { ERDSNFIX-Single man wants situation on a }}}$ ing or feeding herds. Can fit for show or sale.
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IMPROVED FARM



| A census will be taken of all the women in England who, by working, can release a man for service at the front, should such a step prove necessary. <br> Iburing the month's buchade, 23 British ships where torpedoed by the Germans, some without notice. Twenty-four of the ressels were sunh, and in all 220 lives were lost <br> It has been learned that the battle of Neuve Chapelle, near la Bassee, in which the British took 1,720 prisoners of war, was one of the bloodiest battles fought so far in the western war area. <br> The Russian and British Ambassadors at Tohio last week informed Japan that if she persists in pressing upon China demands beyond those contained in her original co:timunication to the Powers, it will be diflicult for the Nllies to negotiate diplomatically. It is understood that the United states has given similar intimation. and a satisfactory solution of the difference is expeeta Japanhas joining warts lort Arthur and the adjoining parts of Manchuria. <br> 1.ord kitchener and ('hancellor LloydGeorge have both warned the British people of the danger to Britain, in the "ar, of the liquor traffic, and steps may be taken to prevent its sale. "Drink is Mr. Iloyd-heorge. 'than all the German submarines put together <br> German and Austrian subjects residing in Italy have been advised by their requickly as possible. The probebilities nerease that Italy will enter the war at an early date. <br> It time of going to press unfavorable weather has again interrupted operations |
| :---: |
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News of $\{$ the Week

Major-General Sam Steele, D. S. $0 .$, is Second Canadian Contingent.
$\qquad$ the Princess Patricias, has been killed in
action in Northern France.

The bill to give municipal franchise harried women has been defeated in the
Ontario I.egislature.

Hon. Walter Scott, Fremier of Sas
katchewan. has announced that on and
katchewan, has announced that on and
after July 1st all the bar and club icenses in the province will be cancelled
$\qquad$
$\qquad$
$\qquad$
$\qquad$
material. The output of munitions will
be greatly increased.


Easter Excursions


## Harab

Fertiluzers
che ontario Fertilizers,
West Toronto, Ont.


THE FARMER'S ADVOCATE.


#### Abstract




The Windrow
supply several hundred medical studenta
and doctors to form a field hospita corps, with all equipment necessary. Mrs. John D. Rockfeller died recently
near Tarrytown, N. Y., in the seventy fifth year of her ace. . Madame Curie is working in French
hospitals near the front with a complete hospitars near the rront, and is being
radiographic equipment,
kept busy by the military surgeons. Kept busy by the Henry Ford, inventor and manufactur-
er of the Ford automotile, is almost as
much interested in flowers as he is in much interested in flowers as he is in
motor cars. In appreciation of that motor cars. In appreciation of that
fact, a new orchid-the only one of its kind known-has been named after Mr.
and Mrs. Ford. It is a most unusual white orchid of the species cattleya men-
dalli alba, with white petals and a yeldalli alba, with white petals and a yel-
low center. The Boston Transcript publishes a letter written by Miss Elsie Burr, a nurse
in the American Ambulance Hospital in in the American Ambulance Hospital in
Paris, who tells this incident:
There is a most interesting case here of a man who was in the trenches with
eipht other men. A bomb fell among
 brave, patient little soldier), had a dog
named Fend Fair, who had followed him
for months at the front. Etienne told
Ont me that the first thing he realized was
that he was buried and would son suf-
focate, so he called, as best he could,
to to his dog. 'The doy, which was un-
scathed by the bomb, heard his master's
voice. I'erfectly crazed, he dug the desaved his life. They are both here now,
and the doa. a lirown and white setter,
comes in and lies for hours with his
head and paws on his master's chest. 1
"THE HARDIE POWER SPRAYERS"
$\underset{\substack{\text { The Sprayer that is free } \\ \text { from Experimental Risk }}}{ } \quad$ OVER 7000 IN USE


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oomplicated or roublesome nature and using
only servies
orovech construction as expe Frost-proof engine-we use the STRENGTH-The liberal use of high-grade
steel and the use of metals which will stand $\begin{aligned} & \text { Ideal engine. } \\ & \text { and }\end{aligned}$ the wear and tear of high-pressure work. PRESSURE REGULATOR - A simple. BIG CAPACITY-Cur pumps are properly
designed and built by "-spraver specialists." $\begin{aligned} & \text { reliable device to control the pressure. There } \\ & \text { is no load on the engine when the stopcocks }\end{aligned}$ designed and built by siayer specialists.
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are off. LITTLE THINGS-Stay-There hose ends
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 light-running that high pressure can always be
obtained.

Whether your orchard is large or small, there is a Hardie Sprayer to
requirements, assuring you spraying success, with a
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HARDIE HAND PUMMPS- The world's best. so somple that the only tools required to keep
them in perfect working order are are bor dod the thone There are now in use nearly 0 . Take advan Villu which you BUY A HARDIE.
will receive, and

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 One of the best chapters in Yone Nogu-
chi's book is the description of the

 From the chores and the din of San
Francisco. Mr. Noguchi escaped to the
queer companionship of that quaint mixqueer companionship of that quaint mix--
ture of simplicity and display. He loved Joaquin Miller, and Miller clearly loved
bim. "He at once reminded me of my imag-
inary picture of childhood days for a
certain Tengu or Mountain Elf with red certain Ten
long nose. I soon found out, to 'loaf and invite his noon; a silken skullcap which he wore an older age
company his together. dred yards up the hill. Ioaguine hunpicked abundantly the roses, white or dinner table, exclaiming. Ge the large must not forget to tell you that he bear skin over his shoulders even while $\begin{array}{llll}\text { round his waist } & \text { crepe } \\ \text { most } & \text { sash was } & \text { tied } \\ \text { carelessly. } & \text { His }\end{array}$ that there was a large diamond ring on anger of his right hand which threw ix feet tall; his white beard fully cov-
red his breast. I accepted him without any question, for the very sym-
ol of the romance and poetry of which ratulated myself that the most i conaccident had brought me to the right

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drill a well. We hat
apparatus placed in the barn and lited
ald a plank in the floor and got along fine
getting splendid water in the rock a the depth of 96 feet. It is now pump.
ing with a gasoline engine.
2. Can fertilizer be sowed with a com 2. Can fertilizer be sowed with a comt
mon seed drill? If so, could you tell me
how to set drill to sow 200 pounds per
$\qquad$ information from a well drilling machin
also learned
company, that it is possible to dig wel
in barn building by regulating the height in barn builings by the drill in the barn.
of the derrick for
3. It is not generally thought advis-
$\qquad$ set definite amount and see how the
sows and regulate it accordingly.
 did some low-hraw ancer. an' we'd lose a
drink not of his sanuer
lot of our swellest trade."



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| hn W Todd rer No. 1. Cori |
| Poland China and Chester and shorthorm <br> modrotes (iow (G. Giould RR. A. Esser, On |



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\mathrm{D}^{\mathrm{O}} \text { you want a really cheap engine-that is, }
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