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LONDON, ONTARIO, APRIL 4, 1912.
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## Eat More Bread

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$\underset{ }{\square}$OOD authorities declare that wheat is the KING of all foods. It is the best food for growing children, the best for old age, the best for every age of life. It is best chiefly because it contains most of the life-building nitrogen, combined with the proper degree of starch.
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Of course PURITY FLOUR will cost you slightly more than ordinary flour. It's worth the difference. And it will make " more bread and better bread" for you than you can obtain from the same weight of ordinary flour.

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roof at a low cost. I had barns mostly in mind. When I started, bush fires were common. Cedar shingles went up like tinder from a single spark.
Lightning burnt barns again and again. Leaky roofs Lightning burnt barns again and again. Leaky roof rotted hay and produce by the ton-they let water ro
the barn framework. Oslawa shingles stop this.
the barn framework one of the first metal shingle men in the world. I aimed to make a roof that would in the twenty times its cost by saving a barn frame save foundation, as well as the stuff put into the barn
and
which represented thousands and thousands of dollars which represented thousands and thousands of d"
"It Took Years for Me to Get the Design of My Metal Shingle Right."
"I thought it was easy. It was hard. It was a big contract. I diought aloout all a roof did was to let rain run off it, and keep in place the rest of the time. I found I had about twen.
once in a single design. "My roof had to have 'give' in it, so it would
stretch in the hot sun and shrink in zero weather. It stretch in the hot sun ardsed thaw-water would gouge
had to be ice proof, or lodged had to be ice pront on th be smooth, or lodged dirt would
seamsapart. It had to rust it. It had to cover its own
would leak. My roof had to be layable by anyone. "My work was, I had to design a s, or upside
couldn't be laid face-down, or sidevays, or down, or crooked, or be menmy factory and the place
smashed on the road betweend smashed on the road betweend miy shingle needed ven-
where the roof was. I found mouldn't
tilating places in it that would let air out but would


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pose behind it, which is to help the farmer take advantage of concrete's possibilities. The list of subjects covers every conceivable use for concrete on the farm. The book's actual value to you will far exceed the list price of fifty cents, but if you will send us your name and address at once, we'll be glad to




## the Farmers Advocate  SOCO <br> 5

EDITORIAL

Nimber lingereced in the lap of spring, and

 Wany a Wellington, surveving his shallow hay ws and empty grain bins from day to day.
(1)

Small onts, if plump. will make as good feed 4arge ones, but they are not so good for seed. The moral is plain enough. Screen curefully. Qioont seowl counts for more, perhups, with corn than with any other crop, and the quantity per acter beivis so small, the difirerence in cost between (cre memp son the ordinary' is, comparativels speak ve. a mere baratelle Have the clover and grass seced mixeer and om
 ucres of spring grain mas easily make twents mustels s difierence in the threshing returns.

By all accounts, good seed corn is likely to be None too plentifiul in cert tiin broad sections of the Imerican corn belt this spring. Buy earry, hat on the eare, plant ine. Do this alvays as a matter of For prolongeel duration, with extrenity of
 most of us. And now, please let no wise ontcin

Wen of the auvantages in consolidation of pub
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NDDON, ONTARIO, APRII, 4, 1912

## A Profitable Postal Service.

The Farmer's Advocate " is in receipt of a

fited States lostmaster-General, Hon. Frank

11. Hitchcock, which shows conclusively that rea-
i free rural-mail delivery must have been reburdened the service. That was an excuse long urged against the adoption of rural delivery in Canadla, where a businesstike administration of the postal service years ago madre it sell-sustainViol at Washington, in 1909, however, the postal Service was in arrears to the extent of $\$ 17,479$, 4., the largest on record, but $t$ wo years has this done without curtailing public facilities. On ite contrary, thousands of new offices have been salaries of employes largely increased, the pay for rural carriers increased from $\$ 979$ per year to $\$ 1,082$, and 2,516 new rural routes established aggregating 60,679 miles. The successtul oper ion of demonstrated, the deposits, after eleven months of operation, having reached a total of si1,000,000, distributed in National and with the banks, and procecter while money reasurer of the cilce states. a public utilits making is not an fleal ofich exists to serve al quitably well it is gratifying to find that its business can be conducted without loss. There ace as ". rural de the states, oflicially designated as
livery" and "star route." Any person living
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erecting a box along the line of travel, The boxes
livers and collection of mail matter. Fowe expense are provided by patrons at their own expens collection of ordinary mail matter, and deliver in registered matter when expressy an addressee. Rural delvery ins of mail matter, ivery and collection of special delivery, the sale including registered and the transaction of money rier business through the carrier. In the United tates the rurat carricrs bout $20,000,000$ people Since the publication of the preceding year's report, a most beneticial consolidation and ". star riected of the rural detiver the department Thertend mail delivery to many thousands of ad tilional patrons by a re-arrangement of estab lished routes, with little increase in the annua rate of expenditure. Much needless duplication ib service which it was difficult to prevent with
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Thief among the recommendations of the por
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How and When to Seed
Each season of the year brings its problems and spring furnishes a full share. After a long, retrous spell of cold, rough weather, with chores do and wood to cut, the thrifty farmer looks forward with no small amount of eagerness to the spring days, with their balmy south winds, gentle warming showers and natures Changing eand
 mason and when the spit is in the best working condition for the production of a suitable seeded. This should be all cleaned and ready. Time means money in the spring. As far as crops are encerned there are few more valuable farm as sets than a good fanning mill, well used. Extra fanning and screening meã̄s a larger yield of cleaner, purer, plumper seed, and that is what all growers should aim to produce. No man can aflord to shovel the grain just as it comes from we threshing machine into bags and cart them o the field. to be used as seed for the nexim. horough cleaning is essential. In experiment inducter at dirmere fasses of farm , he average resma seed 19 her sent he arain crops, 40.3 per cent. for rape, and 60.1 er cent for the roill-matured, hound seed invariably gives best results. Just hefore sowing, all grains liable to smut should be reated with the formaldehyde treatment so often given in these columns.
With the seed and implements ready, the armer is prepared to begin on the shortest notice. There is a time for everything, and nothing pays hetter for timely work than seeding. Hany get over-anxious and commence a little too soon, but more there are who do not get on soon Enough. Land should never be worked in a sicky, soggy condion. ait to cover the seed, and later in the season the la moisture and deta hent to the crop from a moisture and aeration stamlpoint. Just as soon as the land will pulis sown. the better Our prowing seasons are none too long, and the earlier the seed is in the yround, the greater the chance of a large yield. Methorts of cultivation are very diversified. As long as the right result of tilth is produced, it matuers little how it is accomplished. Deep spring plowing is not conducive to moisture-holdings, and one of the problems which should be fore most in the mind of the tiller is to get the soil in a condition to retain the moisture already in it and as much as possible of the spring precipitafon tor the use of the crop. fact that grain crops require over twice as much mosture to mature them as uswally falls during
the growing season; therefore, this important
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## AND HOME MAGAZINE

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 ddress-THE FARMER'S ADVOCATF, or
THE WILLIAM WELD COMPANY (TAMTED)
THE WILLIAM WELD COMPANY (TIMTED),
LONDN. CANADA.
which, though simple, is one of the most useful many strokes with this implement cannot be given
Opinions differ as to whether seed should be
own broadcast or drilled. Fxperiments have shown that the latter method gives slightly bet ter returns than where the seed is broadcasted. Especially is this so with comparatively late seedings. The grain drill is a valuable asset to the farm, and, where grass sced is sown with the grain-and we in is a necessity, as much better natches frass seed result from sowing the seed directly in front of the tube drill from a grass eed box on the drill. Evener stands of clover re sult from this than from other method
Rolling is another practice which has caused much controversy. Lome farmers would not
have rolling done if they could pet it done for nothing; others would not, under any considera tion, omit it. The roller must be judiciously
used. On heavy soils, inclined to the a little wed and sticky, the roller should not be used, as there
is some danger of so wolludime the air as to interfere with germination. ()n lumps sorils it is ing and comp
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## surface.

are the better of rol
fine mulch on the surf
roller should precede thi
rolling is often essential
insure germination, whic
beneficial. Judgment must be used in this, however. If a crust is formed, evaporation is rapid, it is to harrow, although sometimes a slight mulch will be formed by rolling a rough, dry sur face. This harrowing is only necessary under
special conditions, but good results have been obtained from
Have everything in readiness to do the seeding at the proper time and in the best manner, and crop need not cause much worry in an ordinary crop nee

## Cereals as Nurse Crops for Clover

## Most clover seeding is done with a cereal of

 some kind, and the result of the clover catch de pends largely upon the cereal used. Many farm ers are now sowing clover with all their cereals and, from the standpoint of soll fertility, this is good practice. Many others still seed only that hay or pasture crop the following year.barley are the most popular. They grow duyckis and are soon off the land, leaving the clover in absolute possession. Barley does not tiller as much as oats, and does not, as a rule, shade the clover so closely as to smother it. A bushel is a good secding of barley where alfalfa is seeded and one and a hall bushels is enough where red clover is used, better results often being obtained from a bushel and a peck,
Wheat, either spring or fall, makes a very suit able nurse crop. The clover seed, sown broad cast on the snow, or harrowed in later, generally
catches well on winter wheat. With spring catches well on winter wheat. With spring wheat, sowing ahead of the drill is the method
the wheat to be sown a little less than the usual seeding, however, as there is less danger of spring wheat lodging than in the case of most othe grains, more nearly a full seeding can be sown. Oats, as a nurse crop, are only fair. It is a
cormmon practice to sow oats on the poorest land on the farm, which is not conducive to best re sults from clover seeding. Sown on good soil, care must be taken that they be sown thinly enough to insure that the clover is not smothered Orie and a half bushels per acre would be stout ficiently heavy seeding for such soil. be a su Rye, hecavy seeding of sof sor
Rye, because or its habit of growth, is a good Buckwheat has been used to a limited exten for this purpose, with good results, but it is ex tremely important that the soil be in good condition and the buckwheat sowed very thin, abou one-half bushel per acre being enough.
With the common cereals as a nurse crop,
possible to give the tender clover plants a chance to get a good root, and become vigorous befor

The Cheerful Giver

There are occasions, all
depositor's money. Of course, they are sul posed to be guaranteed by the shareholder ankey, fails, it is usually found that the capital ankeady swallowed in some mistaken or unh lowed operation, and that the depositor's mones must be used to redeem the outstanding notes. But the depositors are lending their money to the banks on those terms, and I suppose we have no reason to complain, because it insures
stable currency that is always worth its stable currency that is always worth its face
value, whether a bank fails or not. Still, we may be permitted to wonder mildly at the gener or the depositors.

But it is our own generosity I started to tell
about. If we issue a promise to pay, or note. we have to pay a stiff rate of interest on it hile it is outstanding; but not so the banks. that way make us pay for the use of their notes. In other countries, the issue of currency by the banks is taxed by the State, and in all of the
important countries the profits of the banks usually do not exceed about six per cent, ank usually do not exceed about six per cent., as
in Germany. Cases can be cited where all profits over that amount, and a considerable
amount before 6 per cent, is reached, are paid ver to the State. But here we do nothing o o
he sort. The currency is untaxed, and a bank an make all the profit it likes, so long as a de ent reserve is kept. In other countries there is supervision of banking affairs that must be we do not offend in that way. Such things as the Government feels it should know about banking affairs are learned simply by asking questions nswers are correct. After practically every dis. aster, it was found that the officials had issued alse statements; but still we are going on in he same generous way. Almost any other counown inspectors to find out what it wants to know, but we do not insult our bankers by such high-handed proceedings. We keep right on tak-
ing their word for the condition of their banks even though twenty-five per cent. of them have failed in twenty-six years. You might be nclined to ask if human generosity could go

In addition to being permitted to issue an unaxed currency, the banks are allowed to have
branches in all parts of the country to borrow money from everyone who has a litrle to spare. but. in reality transaction making a deposit, three per cent., without security, and with some danger, as described in a previous article. So that the banks may get all the money that is to the Bank Act which makes it illegal a clause in a chartered bank to use the name "Bank." The restilt of this is that the twenty-seven chartered banks that now remain have been able to borrow
the amazing sum of $\$ 912.784$, 136 or over eight times the amount of their paid-up capital oight the money deposited at the ordinary small branch. at least 75 per cent. goes at once to the head sticess in Montreal or Toronto, to be used as a merger is to be put through, they have the accused on hand to do it with. I know they are disposal of Wall Street operators, but that does not interest me particularly. I have been hear its terrors for me. It is the use that is made of
it at home in C'anada that does the real harm
What is sent over to build railways in the United What is sent over to build railways in the United
States at least does us no harm, though there are many legitimate wass in which it could be used in Canada. It might be used to develop
local industries in the places where the branch local industries in the places where the branch
banks are located. That is the way it should have been used, if there had been local banks, in stead of branches of the big banks. But now
that merwers and combines have been effected in Chat merwers and combines have been effected in
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It has often been said that farmers are close-
another some of them may be as close as the
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THE FARMER'S ADVOCATE
sented on the directorates of the big dailie
and financial papers that are educating the public to believe that the Canadian vank-
ing system is the best in the world bout ng system is the best in the world. lou
mady ask how the people of canada ever canne to grant such privieges to any class of men a
they have to the bankers. The only reason 1 can suggest is that they gave them because the bank-
ers asked for them. They certainly did not need ers asked for them. They certainly did not need
to give them in order to insure a sound banking to give them in order to insure a sound banking
system. Moreover, we shall not have a sound system. Astem until the banks are inspected by
banking syster
outside auditors who will check the operation outside auditors who will check the operation
that have caused so many disasters in the past Whether anything can be done to stop the thruch bank system from bleeding dry the country
smaller towns and cities, is a question 1, which no answer suggests itself. They had to grapple
with a similar problem in the United States at with a similar proble not able to straighten it out until they got Andrew Jackson, who was branded
us a demagogue, to take it in hand.

But the generosity of the people of Canada did not stop even here. In order to round out their
gifts and give heaped-up measure, running over, gifts and give heaped-up measure, running over,
they gave the Bankers' Association the power to wind up the affairs of any bank that suspends the public an understanding of the mystery
banking, and also of the mystery of its failure les them see that a rival concern is good and dead, and to wind up its affairs wit
out any unnecessary and illuminating scandal. out any unnecessary and illuminating scanding the
amounts to the same thing as permitting affairs of a manufacturig wound up by its busines rivals. I am surprised that the Manufacturers' Association has not asked for this privilege, in steadi of letting an embarrassed concern be han dled by a receiver appointed by the courts, who
might possibly put the concern on its feet again. And now, what are the banks doing in return for all this kindness ? They are conducting the banking business of the country as if it were a private enterprise, making all the profit they can, and en-
abling neen who are connected with them to make "millions on the side." If they see a chance to use the accumulated savings of the people in ways that will be more profitable to them than moving the country, they have the fullest liberty to use it in such ways. It is true they give us a stable currency, but only at the expense of the depositors. At least, it proves to be that way ore
last analysis. By their branch banks, they are able to move the money of the country quicky
from one place to another, and they move itbut chielly to their head offices. During the past few years they have changed cerns, having at hearntry, to huge borrowing concerns that are chiefly interested in big deals and Cis profts, such the that when they move thev move irresistilly, and it does not matter to them who is crushed by their operations. They are now so strong that it is a questom that is, Government can stand up agai inst them-that is,
 people made
palliament, regardess of or parly that they
ren

 ernnent that ouves the pow that is humaly
alone can accomplish anything teal that vou are



For far that some people may think that
,wanks cannot be run, except by gyiving them such ,rivivieses as our hanks enjoy, 1 tet us consider the Casp of the imperial Bank oust mer cent. of the







## Our Scottish Letter

rowde past iour weeks have been unusually the many important he a very short summary of sed into this letter. Perhaps I should have put cot loreground the great loss sustained by Gillespie, L.L. D., the secretary of the Galloway Herabook, chairman of the Board of Governors of one of the best-known Agricultural College, and the Highland and Agricultural Society. Dr the United States. He twice visited and travel led extensively through both, and was personally well acquainted with the leading men in the agri land he was one of the most popular of publio men, and in everything that pertained to the well-being of agriculture he took a prominent part. He was about 76 years of age, and was active in every form of duty up to the summer of
1910, when he broke down, and his last public appearance was at the show of the Highland and Agricultural Society at Dumfries in July of that tural affairs, Dr. Gillespie excelled. He had the qualities of head and heart which make for sucess in that line of things, and his efforts to settle disputes amicably and with a minimum of expense, were, as a rule, crowned with success.
There was only one Dr. Gillespie, and there will never be another
insurance of agricultural laborers.
The National Insurance Act is causing a great commotion in agricultural circles here. Various parties in the agricultural community have in tho of agriculture has seldom been interrupted by anything in the nature of labor disputes. A kindly feeling has, as a rule, characterized the relation parts of Scotland a custom, which had almost the sanction of law, prevailed, that when a. servant fell sick, he or she received six weeks' un-
broken wages and medical attendance should their illness unfortunately last so long. When the Na tional Insurance scheme was floated no provision was made to meet this custom, and there seemed
every prospect of its being supplanted by a hardevery prospect of its being sory insurance to which the employed male contributed a premium of 4 d . per week, and the employed female 3d. per week,
while the employer, in either case, contributed 3d, and the State added 2 d . In other words, the premium for males was rated at 9 d . per week, and the premium for females at 8 d . per week
When the circumstances of the agricultural world were brought under his notice, the Chancellor of the Exchequer introduced an option into his measare. The purport of this was that the employe of weekly premium, provided the employer would

weeks' wages in the erent of illness. Many co dications are involsed in this, Througnout a
great part of the United Kindom rural employees re engaged on a system of part remuneration in ash, and part in perquisites, such as a free
house, so many hundredweights of potatoes, so much milk per day, and so much oatmeal, during the period of engagement, which in such cases is sually for twelve months. The question agitatto continue this good old custom or to accept the hard-and-fast main scheme of the Act. The nclination of farmers is and the former to the propriety of accepting the latter. In the ormer case they are under the necessity of paying a premium and continuge carry he risk; is carried by the Insurance fund. It is a puzzling situation, and complicated by the fact that so many employees on farms are only engaged for short spells. According to an interpretation of ternative scheme and adheres to the old custom, will be under the necessity of keeping a casual worker for six weeks should he or she become ill while in his employment; while another interpreween his employees, and put some of them under the one scheme and some of them under the other. The bill was rushed through Parliament, and it
becomes increasingly evident that the Act bristles with complications and difficulties. The latest political rumor is that, on account of these things, and the difficulties connected with their lst of July. 1912, as was intended, but six months may elapse before its business can be put into operation. Well, we shall see. Meantime, there is a good doal of acrimonious dis.
and some bad-feeling is being engendered.
A SCOTTISH BOARD OF AGRICULTURE.
Scotland has now got a Board of Agriculture Board of Agriculture and Fisheries in London will now be duplicated in Edinburgh. The new Board is part of a scheme for keeping people on the
land and, if possible, bringing back to the land ome of those who have been allured to the cities and beyond the seas. The motive is admirable, and there is a general disposition to give the new energies Sir Pert p, wright who won molden opinions as the Principal of the West of Scotland Agricultural College, is the President of the Roard, and has, as his colleague, R. B. Greig,
B. Sc., who, up till recently, was lecturer on Agriculture in Aberdeen College. Both of these gentlemen visited Canada a few years ago as members of what was known as the Scottish Agrime connectionsion, and extended tour in Ausralia. Their colleacue is J. D. Sutherland ban, a well-known solicitor, and the trio consti-

## 1

tute a strong Board. Their subordinate officials the legs for the Canadian export trade. Indeed, the work required of the digestive tract to beat tute a strong Board. Their subordmate ofticias the legs for the made upon us this year hy the pare the food for assimitation. Here is at good of these commissions, notably, William Barber, of Shire Horse Show, which we had not visited for reasoll for increasty gering work. All their encerm Terenan, who is rapidly taking high rank
arbiter in agricultural questions; A. M. Prain, the Clydesdale direction of cleanier limbs and who is understood to be an expert in poultry matters; and James Dunlop, Hallhouse, Fenwick, who is an excellent judge of Ayrshire cattle
and Border Leicester sheep, and a resolute pioneer of the Milk Record movement among Ayrshire cattle-breeders, and the development of the commercial value of Ayrshires. We are also getting
a Scottish Land Court, and, although meanwhile its duties are restricted to holdings 50 acres in extent and under, the principle of a Land Court has been embodied in legislation of Great Britain, and there will doubtless be developments along
that line. Canadian readers will observe from that line. Canadian readers will observe from
these things that, agriculturally, the Old Country is on the move. Invitations have also been issued to Candidates for the vacant office of Secretary
of the Highland and Agricultural Society. James of the Highland and Agricultural Society, James
Macdonald, who has filled that office with great Mastinction for twenty years, has been compelled, on account of ill-health, to resign. Where his
successor may be found is at present a moot successor may be found is at present a moot
point. Among candidates whose names have point. Among candidates whose names have reached the public, thake the appointment a cering
taint

$$
\begin{gathered}
\text { Turning } \\
\text { markably }
\end{gathered}
$$

GOOD PRICES FOR BULLS.
t to other matters, we have had a re markably successful series of spring bull sales There has been an improved demand for the two
leading breeds, the Shorthorn and the AberdeenAngus, and notably high individual prices and im-
froved averages have been recorded. J. D. Mcproved averages have been recorded.
Gregor, Brandon, Man., did a good deal to make Gregor, Brandon, Nan., did a goo He operated at
the Aberdeen-Angus trade lively,
Perth to useful purpose. The highest price for Perth to useful purpose. The highest price for
females was $£ 231$, and the highest prices for bulls were $£ 2785 \mathrm{~s} ., £ 24110 \mathrm{~s}$., $£ 220$ 10s., and $£ 199$ 10 s . The highest herd average stood at
credit of Ballindialloch, which had $£ 130$
0 s. 6 d . for six bulls; Doonholm, which had $£ 119$ 14s.
for three, and Harviestoun, which had $£ 112$ 10s. for three, and Harviestoun, which had $\{112$ 10s.
6 d . for six ; 499 yearling bulls made the splendid
 higure of about h $^{2}$ perever, eclipsed by those recorded for Shorthorn in the following week.
Broadhooks Cardinal, and the Earl of Moray got
Both of these were bought for the Argentine. The first-prize bull Maurice of Cluny, was also hough and another from
tine, his price being $£ 57710 \mathrm{~s}$., and the same herd, Max of Cluny, went the average price of the (1luny cuttle first-prize croup of three was
$t: 36912 \mathrm{~s}$. The best averages at the sale were these : Doune 1 odge, for three. $\$ 29017 \mathrm{~s}$ : Beau-
fort ('astle, for four, $\$ 25215 \mathrm{~s}$. 24 : Cluny Castle,
 glass, for six. $£ 125$ 13s. Altogether, 387 Short-
horn bulls mate an average of $£ 5.513 \mathrm{~s}$. 11., an
givance on the figure for 1911 of $£ 683 \mathrm{~s}$. Our other two bereds do not come within price made by a Galloway bull was 75 gs, or
cia has. and the best price made by a lighland
bull was $£ 67$, the average for seventy head of hese being 2235 . $1 d$. The difference between marked. (iood bulls are making plenty of money marked. the main reason being, perhaps, the
This zoar, thecf is selling well, and there is a gener-
fact that bee a1 feeding that we are in for a range of higher
wrices than were experiencel during the thirty

 there is a distinct tendency to revert to the older
wupe of hairy-legged, soft-boned horses. Dunstype of hairy-legged, sot-ioned hare, is a typical chestnut Shire. She has many good points, and Well deserved her victory.
The Hackney Show brought out nothing new The Hackney Show brought out notheng new to the same animals as in 1911. The Mathias horse, King's Proctor, was champion stallion; Bechingham Lady Crace was champion mare, and the same ponies were champions as in lite for
the produce groups, the champion sire alike for the produce groups, the champion sire atke for classes was Polonius. He senred very heavily,
Ile and Mathias, as is generally known, are sons
$\qquad$ Pertainly the most wonder ful mare for combined merit and breeding success which the Hackney
breed has ever produced. The champion pony hreed has ever produced. The champion pony
sire was easily Firebov, which, for the third year sire was easily wireboy, which, fize the the sire of the best group of three ponies. He is now owned by Mr. A. Miller, Gallowhill, Paisley; and as
Nathias also finds his home in Scotland, we have Mathias also finds his home in Scotland, we have
a big share of the credit for breeding the best a big share of the credit for breeting the best
Hackney norses and ponies.

## HORSES.

## $\qquad$


ork Sun, cites a case where, with equal dishorses, in New York City, beat a new automobile engine to a fire by a block and a half, while the atuomolnte tender was still a block behnd. Both of the horses is significant. The horse is generally considered the most reliable, and, with such speed demonstrations. should have little trouble
$\qquad$ The horse at work requires a diet richer in

mating closely that of the Thor Onghbren, there
no question but
ithat a strong in
fusion of Thor Gusion of Thor
nughbred blood in
the light-legued mares of the
comntry will be o inestimable valu
in improving the tock got from stock got from
them by stallions
oi the various
ii wht harness breens.
Relieving him-
self to be just ified
 Hon. Martin Bur
rell. Minister of
Agriculture, has anthorized $t \mathrm{~h}$
continuance of th
mrant, to be avail able for all Thorstanding for pubs lic service during which co omply
wher
with the cond with the condicoomplished by adding time imposed by the hepartment. The conditions
 atered in the ThorGnadian National


## LIVE STOCK

$\qquad$ Damp hogpens often cause diarrhea in young
pigs. Place the sow with the young litter in the dryest pen in the piggery, or, better still, in a portable pen by herself

No better ration for the newly-weaned litter can he had than good skim milk and shorts. The grow older, mixed chopped grains can be added

A young bull should not be allowed to run in the yards or pasture with the cows. A critical
period in the sire's life is between the ages of period in the sire's life is between the ages of
nine and twelve months, or just when he is developing from the calf to the "bull" state. Seclusion is the best thing for him, but not without exercise. Give him a good-sized box stall, and
allow him to run by himself in the yards or paddocks each day. He must have all the exercise possible, as inactivity will destroy his potency.

The breeder is reasonably assured that the offspring of a pure-bred sire and a grade female, no matter what the class of stock he is breeding, is going to resemble the sire. This is prepotency-
that quality which is present in greatest degree in animals of the highest type of pure breeding. It is the quality which makes the sire the great-
est asset to the herd or flock est asset to the herd or flock. In buying a herd-
header, look for the indications of it in both the animal and his pedigree.

A good pedigree is a valuable asset to breedIt is neck, still it is not a guarantee of excellence. ent individuals composing the pedigree. $\left.\begin{array}{l}\text { differ- } \\ \text { Like }\end{array}\right]$. know thistory of the semble, in a greater or lesser degree its progenitors, not only the immediate ancestors on one or
both sides, but all the ancestors for generations both sides, but all the ancestors for generations
back. It is only when all these have been known mal can be said to have a high-class pedigree.

Give the young calves a chance to exercise in
the barnyard during the warm days of spring Very often the calves are neglected in this respect,
the yard being taken by the older stock. None of the farm live stock will appreciate a few hours in the warm spring sunshine more than will the
calves, and no other class of stock will be more greatly benefited. Feercise, pure air and light are essential to the calves' best development, and the
open, sheltered yard is the place for them to get
all three. Some breeders owning a large herd of grade
tock bave been known to purchase a first-class stock have been known to purchase a first-class
pure-bred sire, and to nse hiin to kood advantage stock-so pool, in fact, that they decided to use
 after vear just a little better pure-bred buall than
the one which preceded hime at the head of the

The Stability of Sheep-Raising. From the earliest times the flock has been the
mainstay of farmers of many lands. Even when subjected to the extreme fluctuations of market: and the handicaps of disease and insect pests, the sheep-raising industry has continued to flourish The oldest shepherds to begin with sheep is when there is a period of depression, and the way to make sheep-raising regularly profitable is to remain in the business during periods of high and low prices. Therefore
the present depression ofiers an exceptional opthe present depression otiers an exceptional op
portunity to the beginner who desires to start with a small flock. And the beginner should al ways choose the small flock. Another fundamental principle of profitable
sheep-raising is that it goes hand in hand with the general farm. No kind of meat animal fits into the economy of the diversified farm better Chan does the sheep. It has been repeatedly hat the sheep industry may be made permanently prolitable in this country despite tariff influences -

Good Prices for Early Clip

> Editor "' The Farmer's Advocate" :

The first wool to be marketed in Lindsay this
season was hrought to town on March 22 nd by
James Found, of Little Britain, and sold at the
woollen company's mills. woollen company's mills. The wool was of good
quality, free of cotts and chaff, and netted the quality, free of cotts and chan, and netted the
seiler an average of $\$ 1.36$ each for his 18 fleeces. Mr. Found is not fitting his sheep for the show. He clips regularly in March, just before the lamb-
ing season, as he claims the sheep thrive better ing season, as he claims the sheep thrive better
after being relieved of their heavy fleeces. They do not suffer from the cold, as they are kept in warm place for a fortnight, after which the
growth of wool is sufficient to growth of wool is sufficient to protect them from inclement weather. "One advantage of earl
clipping," says Mr. Found, " is that after al hands are busy with the seeding, this is one less task, as the shearing has already been done during the slack season. The chief benefit of early
clipping, however is that, when shearing. I kil every tick to be seen, and a liberal dusting of dry sulphur after the flecee has been removed will
dispose of any that may have been missed by the shearing. Whien the fleece is leit on until after greasy wool of the mother sheep and harbor on the soft, ime wool and tender skin of the lambs six weeks of age than a lamb should be at two stated that his flock of sheep paid him well. H is of the opinion that, when properly cared for
there is nothing a farmer can raise that will brin better returns. When one considers that farming Yand in the Little Britain district sells readily at ers in the banner township of Mariposa who qume as optimistic about their llocks, and have are profitable to keen on the hishest-priced land in the Province of Ontario, one must naturally the conclusion that, if sheep are profit
Mariposa Township, they can surely ralsed with profit in any other township in Vic
toria County.

> Stiffened Pigs.

## It has been a long, hard winter on live stock

 in cold pens, not always too dry, with denial of$\qquad$ si) that stifiening and unthrift are quite common,
I large percentage of cases of stinening are due to indigestion, others to rheumatism. Fortu-
natels, the same rational line of treatment will toml to prevent both. To begin with, the wens
$\qquad$
$\qquad$
above the temperature of ice, and as much exercise as can be conveniently provided. In addi-
tion, they should have access to some such mixture they shalt, ashes and charcoal, or salt, sulphil and ashes. Even coal ashes alone will be eaten in considerable quantity, as will earth from a oot cellar. These things are cheap, and But while prevention is the logical hing, there are many pig-feeders more proper just now to learn of a remedy. This is not easy o suggest. Begin by correcting defective conhitions, supplying the pig's wants, as indicated
above.
By one means or another, make it point to provide exercise. If possible, give them the run of a barnyard, but do not allow them to nestle in fermenting horse manure, as this is a
direct cause of rheumatism. Roots, exercise, a direct cause of rheumatism. Roots, exercise, a
Ary sleeping place and variety of feed, and a judicious mixture of condiments, will, do about all that is possible until grass comes. Then get
voiur stiffened pigs on pasture, and turn them off
$\qquad$
THE FARM.
Round Cement Water Tank.
As you nsked for descriptions of cement suppla hood last summer. The foundation was provided by digging a hoie 8 feet in diameter was provided deep. About hali a load of stone was dumped into this, and concrete laid on top to make a
floor. The wall was then commenced, and made inches thick, 1 to 8 , without stones, the con-
crete being held in place by metal rings the same as ior a silo, but smaller, and without battering. It was stayed with wire about every two feet, and io thet ap four wagon tires were laid across, and ircular wooden platform, on which concrete was water tank proper , to form a bottom for the alse wooden hottom was removed by cutting the laid, and the top made the same as the hottom A man-hole about two feet square was left in the center of the top. As this was an elevated tank. he pipes were protected hy packing. About $1 \frac{1}{2}$
feet of ice remained all around the inside as high as the water rose. Water was pumped in about he water. The man-hole was protected by a leated. The concrete was plastered inside and and supplies both house and barn. It is protected on the south-west side by a medium-sized harn on chard and medium-sized house and implement shed, but exnosion completely to a twenty-foot ider it fopinl. woll west. atisfied with results. This winter the temperature went 25 decrees helow zero for several days
and for about six weeks hung around zero, off and

Poor Seed Corn
fowa was demonstrated in an extensivo is in farmers' seel corn conducted at Mason City refarms, thousand ears, coming from ten differen for seact where they had leen selected and set asid best, only :311 cars contained no dead kernels. In one lot of 100 cars not a single ear fit for seel was found. In two other lots of 100 each. The best lot of 100 cars simded only 58 good ears for planting. These testod ears were not common ears thev wire broucht in for testing by reasonably

## 1

cent. seed corn, grown under sumi ammitions, has Corn Cultivation and Production. procraces as a basis, this Masin
averat is 40 per cent. dead,
than :5 bushels, per act
avorable conditions. are not poorer than the arerame. In I have just, re. ceived a report of a second testing of seven lots,
of 100 ears. In one lot, taken from the crib. not a single lot of 100 only one car was without deal kernels, and in a third only eight. The lots, on the whole, were var worse than those of the
first test. I belice that farmers near Mason City are up against it for seed corn.
The College is active with preparations for the seed corn trains which will run over the lines of the Burlington and the Rock Island railways in Towa in the next few weeks. rit is atso listrauring oo pieces of seed-corn-testng therature throumh
its own mailing lists and
clums and business houses to which it is furnishclubs and business houses to which it is furnish ing these bulletins free

## Remove the Cause.

It is sound statesmanship that requires boards of health to enforce the regulation that demands 4 nitary condition at a comparatively early date a the spring. Unless some such regulation were time and lowered working efficiency, would be more prevalent than it is. Good sanitary laws, vigorously carried out, mean more healthful confitions for living, and a death rato greatly decreased. Cities and towns and villages, in sheer seli-defence, rid themselves of disease-breeding iebris, and for the same reasons encourage such reounds. elt the sharo spur of necessity for extreme caution in such matters. But, though the spur has
not been felt, the necessity for at least an annual hunt for unnecessary and menacing clutter is
nuite obvious. Now that the menace of the fly quite ohvious. Now demenstrated, a safe rule to follow is the clearing up of all breeding places of his disease carrier. Cans should be itcineray be
the yards raked, and holes where water may the up, dead leaves buried, and all rubbish
tileathered
gathered up and burned. Stables should be yathered up and burned. Stables should be
swept out and treated to a liberal spray of whitewash made from fresh lime. If these matters be attenden to, and screens be provided for the doors and windows of the farm premises, a greater ad
vance will be made in the direction of public health than most people imagine. The great majority of country people already attend to
matters, withot valls " the hangrian's whip to hold the wretch in enoush to provide public incubating quarters
 are of the community. These unsanitary homes
furnish the first cases of disease. The schools and public ratherings make the disease thus tarted an epidemic.
The farm barnyard should receive careful ataention. Where possible, all manure should be hauled to the fields for use as fere should be thoroughly tramped by the stock. No animals will ir usual exercise. Atter the manure has been $6^{0 n}$ w or chalfis In this way the manure is kept
and dors prevented.
veedless to say, the cellars. both of the house Veedless to say, the cellars. both of the house
nid of the barn, should be thoroughly searched remnants of vegetable matter, and cobwebs inn remnants of vegetante mall such malodorous and death-breeding causes have been removed, the
cellars will be greatly improved by whitewashing ell lars will be greatly improved by wht wnilisht.
and the free admittance of fresh air and recty goes Indeed, the extreme of cleanliress sarcely goes enough in all matters of santitno. or which
und where slops have been throw, been saturated with barnyard water, should es are the foes of health, while the ground it "if becomes the breeding place of hirl te similarly

The Nova scotia Aericulempal Colleme at Truro
hant a number of mymila, vell flower, al
a little discussion of the cultivation and produc, will not be amiss. Corn is farm crop, "corn, nent place in the farm economy that a promi we might say, are beginners in the production of
this valuable crop.


A Model Ear \$weepstake slingle ar of fint 1912. Lonffellow; exnibitited by L. D. Hankinson.

One of the foremost essentials to profitable orn production is "good seed," and too much

I little time spent in testims the valaty of seed desirntar be purchasen otr ant an carded at planting; and it is always well to keep good practice to discard the butts and tips. This nsures a more unform trpe of cars and a greater year rotation and ", we follow "three and four our most staple crop. The corn follows clover sod either of one or two years standing. Our
ideal preparation for corn is to fall plow rather decply, covering the furrows well up, so that the frost may have a chance to pulverize and loosen the soin. This, as a rule, is top-dressed during the winter with farmyard manure, that we almost invariably get better results from this treatment than when the manure is plowed down. The young plants seem to start more quick is retained at the surface, the soil is made to contain more humus, and, consequently, its powers for holding moisture are increased. ing is broken down with the disk harrow and with the soil by use of the spring-tooth cultivator. The sooner it is worken in the spring after
the soil is sufficiently dry, the better, as the crust the soil is sufficiently dry, the better, as the crust
is broken, thus preventing to a great extent the evaporation of the soil moisture that has been evaporation up during the winter, besides destroying many noxious weeds that may have germinated
during the early spring. Cultivation before planting should be frequent-in fact, continuousas we find that weeds are more ensily exterminated when they have just germinated than when they are once rooted. At this time they ari
young and tender, and when brought to the sur face are easily parched by the sun.
Planting may be safely started after May 10 th with us: we try to finish before the first o June. I am stin incavor of planting in especially so because we get a better qualrows, especialy But, even for silage, I believe the check-row is the most satisfactory, as one gains
in quality what is lost in quantity. Our planters in quality what is although I believe that three strong plants are although I believe that three strong plans are
sumicient; but we plant thick, in the belief that it is easier to thin out than renlant.
With us. cultivation begins directly after planting, and continues until the corn is so heavy that the horse cannot walk between the rows that the horse cannot injuring the cron. We generally aim to roll directly after planting, and follow with a light harrow just before plants appear.
one stroke with the harrow at this time is as one stroke with the harrow at this time is as
beneficial as several cultivations later; when the weeds get once rooted.

The scumfers are put to work as soon as the ows can be followed, and the soil is cut as close to the row as possible. We usually cultivate
twice in a row, cutting once each way, and run wice in a row, cutting once each way, and rundone, and keeping close to one row each way. In ai the subject. The seed should be procur early in the season, if it is not already to hand, this way, there is only one row thery little surface is


Ten of a Kind red recent Tallury corn show, grown according to
hand-hoeitrg.
We believe that cultivating should be done frequently, especially after every rain, to keep a dust mulch aboll It is not always practicable to follow the
methods I have outlined to the letter, but where we do follow them as near as possible, success is method exactly applicable to all conditions, but, method exactly applicable to all conditions, but, make our methods suit our requirements. Elgin Co., Ont

## Experiments with Farm Crops. ${ }^{\text {T }}$

## The members of the Ontario Agricultural and

 xperimental linion are pleased to state that, for 1912 they are prepared to distribute into everytownship of Ontario material of high quality for
experiments with rrains fodder crops roots experiments with grains, fod
grasses and clovers, as follows:
No. Experiments.
${ }_{2}^{1}$ Testing three varieties of oats....

3 Two varieties of hulless barley
4
5 $\quad$ Two varieties of spring whe
6 Two varieties of field peas
${ }_{8}^{7} \quad$ Two varieties of spring rye
Two varieties of Soy, \$oja, or Japanese
beans … $\ldots$.....................
Three variet varieties of mangels.
 purposes
Three varieties of swedish turnips
4 Two varieties of fall turnips
Three varieties of fodder and silage corn..
17 Two varieties of sorghum
18 Grass peas and two varieties of vetches
Rape, kale and field cabbago
$21 \quad$ Two varieties of alfalfa
22
Four varieties of grasses
Three varieties of field beans
28a Two varieties of early potatoes
28 c Two varieties of late potatoes.... potatoes
${ }_{29} \quad$ Three grain mixtures for grain production $\quad 3$
Three grain mixtures for fordor on Each plot is to be two rods long by one rod
wide, except No. 28, which is to be one rod square.
Any person in Ontario may choose any ONI of the experiments for 1912 , and apply for the
same. The material will be furnished in the order in which the applications are received, while
he supply lasts. It might be well for each plicant to make a second choice, for fear the
first could not the grantend. All material will he first could not de granted. Anse material will he erty oi the person who conducts the experiment Each person apply ing for an experiment should
write his name and address very carefully, and write his mame and address very carefully, and
should give the name of the county in which he Ontario Agricultural college, (iuelph.

Details of Round Roofed Barn.
inches by 12 feet iong, to project over the
ends of the barn. These ribs go lengthwise every two leet apart. The ends are sized of circle of one inch. Those ribs are all the sheeting used to which the steel roofing is nailed. The metallic rooling comes already curved. The idea of the oval is to give rooin above, using
short posts. It has more capacity than a barn with 20-foot posts and an ordinary roof. The end circle is framed in the bent put on the end beams. I enclose plan of basement, which is
equipped with steel cattle stanchions. equipned with steel cattle stanchions. The $t$ wh
small boxes shown are for oats and chop coming smawn from granary. for oats and chop comin.
diEX. McCALI, IUI.
Middleser Co. down from granary.
Middlesex Co., Ont.$\stackrel{\text { 喜 }}{ }$


Basement Plan of Round-roofed Barn.
In the course of a month, drainage, or lack Arainage. as the case may be, will be in Winds of every busy farmer over the countr There the drainage has bcenl carefully attended early, thus insuring an early harvest and a good growth before the scorching July sun or mayhe frouth, checks his crops. As J. H. Grisdale. Cirector of Fxperimental Farms, said, before thi Canadian Seed-growers' Association, as quated
in A The Farmer's Advecate" of March $14+11$. "Everyone of us who has had anything to tho Country knows the or underdrainage condition one can hink of in these
Eastern we are to nave
the best success
with seeding-dow with seeding-down
and grain-growing.: Let me add that it pays to do it carefully, for, at the
best, it is expensive best, it is expensive
and it is amazing how much of it hy hazard manner. The ost of a good tile
drain to the acre is
considerable but in considerable, but it
is justified, as the is justified, as the
improvement
permanent a permanent one, and
when it is once made there is a continuous
profit from it. This

## Economical Sawing of Log <br> vew, but it is so only for those who undertake

Editor "The Farmer's Advocate

$$
\begin{aligned}
& \text { Editor "The Farmer's Advocate": } \\
& \text { Having had many years' experience in handling }
\end{aligned}
$$ logs and lumber, I will offer a little more infor Feb. 15th. As Mr. Gilmore says, the term "standard""

may nean different sizes of log, but the "standmay ", which has been made use of in this lo-
arlity since my earliest recollection calls for a cality since my earliest recollection calls for a 1 log 20 inches in diameter (at the small end) and measure"') of inch boards.
The above rule for measuring logs is figured
this way: The diameter, multiplied by one-half of itself, gets the contents (board measure); thus, me 12 inches in diameter and 12 feet long would diameter would contain $16 \% 8128$ feet, and so
 tail right. Men are constantly lasing tile in deands, without any definite system for the in flat without having accurate levels determined, and o be calculating the amount of water finally file that are used. Very often drainage ity of without sufficient capital to complete what is needed. In such cases, the chief thing, when to have it invested to drain the wettest fields, is drainage that will be right when it is finished with, it you have much wet land to contend with, it is sometimes a difficult problem to pro-
vide an outlet, as drainage is useless if there be o outlet. I have seen men berin work with a
guess, and end up in the air. The correct thing to do is to get the levels over all the land, hav ing a common outlet. It pays, in the end, to mploy a competent man for this, and when he fength of the proposed drains, you may know exactly how much fall to the hundred feet he can
get, how deep he must cut at every point, and get, how deep he must cut at every point, and
what is possible in the way of thorough drainage with the outlet obtainabte. A competent surshould go to be the least cost, and will place a stake evers, hundred feet along each line of mains
and laterals, giving the exact cut at that point to keep the grade of the drain right. Then you Correctly taken, thim ceact fall figured on, and the
tile laid at the depth cstimated on, the system
of drainage must work and must



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

APkil. 4,1912
father used for finding
ADVOCATE the diameter of the tile by itself. and divide thi
hroduct by four. The resilt is acres whose waters can be carriell in that sion of
tile. If you have a good fall, one max saw, vide hy three, instead of by four. is this ruly
is only a rough guide, one must, of conrse. ust judgment in applying it. For laterals the the
may be small if care is taken in laying them. Where the bottonn of the dram is solich and the
grading perfect, a two and a hall-inch tile has grading perfect, a
been used, and (xiven perfect satisfaction, but in
soft tand it is nothing unusual to have to use a sour-inch pipe to permit a slight settling out of
line The work of underdraining is still done chiefly by hand. Where the ground is llat and free from stones, machines for the purpose can be had where drainage is done on an extensive scale, but
they are not profitable on the majority of farms they arg drainage. The correct tools to be used nee the lon-handled shovel, the tiling spades, the
aick, ant the grader. The expense of the digging depends not only upon the character and
coniition of the soil, but also upon the class of workmen employed. The consider is to have each
Thint to ne on the grade, neither above it nor below 1 . Yone and one knows the depth of the cut at each
dond
Place two stakes at each undred-toot mark, Place two stakes at each
oint, one on each site of your proposed drain. daw a string across from the top of one stak the proposed grade. Do this at each point, and the strings will be in line, all being five and a half feet above the grade, Take a stall five an a hall feet the completed trench. When one end each foot or the complecere, the other end is in a
of the stalt is on the grade line with the strinsss, consequently, the least accuracy in to gramp for tile troy the value of the drain. I always try to get them hard-burned, and they should always have a clear ring. For best satisfaction, tha the the closely ns this insures the water rising in the pipe, not falling into it. Make the first filling of the trench hy spading down some fine soil ares disp remainder of the filling is done with the plow. the remeanness is the keynote to successful under-
Carefulnes drainage. Begin with the right system, has suf-
the grade right.
See that the main hat the gracter right. See that the main And make
ficient capacity. Use only good tile. the joints tight to keep the silt from entering. Ry following this system, I know men, neighbors of my own, whe have turned the
land into the finest farms in the country. J. S. [Note--We agree with J. S. that underdrainage is one of the most important spring operations
on many farms, aud the article is very timely, and quite practical. There are a few statemeds, however which, atthough apparoved by our pres-
experience, are not wholly approved ent-day drainage experts. The method of finding the capacity of the main is not one that could be cases where simall mains are required, there is no allowance made for the diminished friction and relatively-reduced danger of setting in harger tile. which are very considerable conse tile than , absolutely necessary might be used in many we also think mat, and aral Q. 1 hough, under special conditions, 2 -inch pipes danger of clogging, and any unevenness in laying ould cause more trouble than in inger opation
here are several ditching machines in anaca, and they ane is constructed for stony land, and, while the operation is more easis, most
cumplished in level land free from stones, othe kind of soil can be drained by the use of the although, as stated in the article,
land hand digging would like

Silo with Seven-inch Wall.
"The Farmer's Adronte ".
accompany ing illustration is a cement silo
means of the drums fastened to beams the sarn. The usual watering of the wall was ob hook near top of wall, on which to hang a pulley for raising blower pipe. This is very convement The photo was taken just after raising the curbs. As can be seen, the concrete chast one by two partitions of rough lumber, thus forming a wide chute. The doors are 18 by 33 inches, in the concrete over each one. Some ol the wire embeddel were doubled by twisting, but soo abandoned as unnecessary. The gravel was drawn two mics. The contractor charged $\$ 5$ per day, and was suppthful work, built the 35 feet in eight days. A common contract price around is approximate cost
40 barrels cement, at $\$ 1.75 \ldots \ldots \ldots \ldots \ldots$ 2 loads stone, at 25 cents ...................... 50 5 wagon tires.


A Perth Co. Silo.

Sopps, like montar. old not tampert No scat onnecter with :" pown win .introm supplied with whole inner space of the sito, and afforded a very onveniont platiorm on which to work. The conope, attachen to a harrow or large pall. ini rane fastened near the top of one of the uprights, ecouired. This is much handier than the scaf and the The inner rings were raised sike the scaffold, and onerated from the ground. Th plying the cement wash inside. Nothing was Boards were laid across the top. The uprights, with the horizontal heam and crane, were secure-
ly fastened together on the ground, and raised by
1.00
$\qquad$
$\qquad$
$\qquad$

Some Points in Oat Growing,


 out any better than the :"wrnes homuc-grown

The figures seem to show that seed oats beCome better adapted to a given environment by vironment aniects. In the 1910 test, only four of he nineteen new importations yielled ass well as the same varieties that had been acclimated for one and two years. The loss occasioned by im portation seems to be in direct proportion to the amount of change of environment occasioned by The quality of seed used does not seem to bu as important a factor as cortain limits. Seed poin is noticanl by lack of acclimatization seriousty injas ane more senson to become even normal. In order to give a maximum crop of any grain
a field must prosent an even stand of uniforn plants. Fields that look ragged somet imes yield properly tended but this is no argument that the pice in question could not have been improved by the adequate treatnient. There are four factors that go to produce an even crop sed is distribution of seed The depth to which oat ground should be tilled varies with the soil and season. Corn stubble will usually proance a fair crop ehrepares The best crops, however have been rased upo land tilled to a depth of four inches. The seed should not be put in more than one inch, below the surface. Well-fanned test above 90 per cent., but if they have at any time heated in the di, they should be tested for Oue thing is certain, that drilling is never detrimental unless the seed is put in too deep This is a matter that depends upon the judgment it the mud . Taking everything into consider tion, it is safe to say that every farmer should own a drill, and should use it whenever the land is dry enough to permit. SEEDING.
RATE OF SEED

Closely allied with the uniformity of distribution and depth of seding is the thickness of seed-
ing
In oats, this is almost entirely
governed by the amount of seed sown. For the past six years this Station has conducted experiments to ascertain the optimum rate. .isk esest piots have our to twelve From the tests in 1906 and 1907 it became vident that in some seasons three busheis were insum thenels. It was also evident that in no case would less than two bushels be sufficient, so the lesser plots were discontimued
In further tests, with cne early and one mend one half hushels per acre gave best results. This indicates that the average farmer is planting too little seen. shocking
Opinions differ regarding the form of shock which it use. This will vary with the ripeness of the bundles. Round shocks should be It medrum slze, open enoligh at the base so that he least posible amount of the heads to the sun nd dew. The color of the grain depends largely apon these two points in shocking.
shock threshing
Shock threshulg is a pernicious practice. Alter man has gone to the trouble to raise and har-
 "throuch the sweat" in the bin. (Oats can be stacked and threshed for practically the same moriey as when they are hame stack there is much more air around the grain, and it comes out bright in color and crisp in texture. There is usually at least one grade dif (a) a little wind when thresh tine; the light, half-filled berries are worth just

THE FARMER'S ADVOCATE

## Wireworms.

Ior have a piece of land which I had in pasture and sowed it with oats. When the oats began to grow, I noticed they were very thin, and soon be gan to look worse in patches. I thought it was white grubs that were working in them, as I saw several when plowing. Well, the crop was almost an entire failure. In the fall I worked the land and sowed it with wheat. It began to grow die, and before the snow came it was all gone but a little in one corner. Upon examination, a little in one corner. Upon examination, I worm about three-quarters of an inch long, and a little thicker than a pin, yellow in color, and shiny. I scratched about half a pint of earth up and found six worms in it. How will I get mangels this Would it be wise to sow with crop ? crop $\qquad$ the well-k is undoubtedly due to the ravages swering the question, we cannot do better than jurious to Grain and Fodder Crops, Roots and jurigus to Grain and Fodder Crops, Roots and
Vegetables," in which he says : "Wireworms are slender, cylindrical, yellowish or reddish-brown, tough and shiny grubs, with flattened heads and dark jaws. These grubs have only three pairs of legs on the three segments following the head, and a single short, sucker-like foot in the middle of the last segment beneath. When full-grown, they are about an inch long and only about one-
twelfth of an inch wide. With these will be found many specimens in spring about half the size of the larger ones. Wireworms occur most frequently in low ground, and attack the roots of almost just as it is coming up. They also bore into the just as it is coming up. They also bore into the
tubers of potatoes in autumn. This injury is most frequent on land which has been for several
years in sod, and the attack is most severe in the second season after the sod has been plowed down of beetles known as click beetles, easily recognized by their power of snapping their necks with a
click, with such force as to spring up into the air, if they fall on their backs. These beetles
are many of them dark-brown in color of an elongated oval form, about three times as lon as
broad, and tapering to the end of the body. The eggs are laid in summer about the roots of
grasses and weeds, and the larve of most species take two years to come to full growth. They change to pupar inside cells in the ground in July,
and to perfect beetles about three weeks later, in August. Most of these beetles, like the May lowing spring beiore emerging. "Agricultural methods are the only remedies
that have been of much avail. The wireworms that have been of much avail. The wireworms
which are injurious to the farmer are particularly
those which feed upon the roots of eracsec those which feed upon the roots of grasses. When
sod is plowed down, the larvue during the first
year feed for tho year feed for the most part on the decaying grass
and its roots. Those in their second year of growth change to bectles in the first year, and
do little harm, as they have had plenty of food
in the decasine sod without attucline the cron In the decaving sod, without attacking the crop; when the sod was broken, attack the crop of the the land for them to cat. it has heen found that
harley and rye are less attacked than any others of the small Emains, and also that clover is litth
injured. These carls maturing krains are. there fore, better suited as at crop for the second deasen
after sod, hecause the land can the powed imme-

2. The cows should be examined, and sampla cows and from the mrom the milk of individun cooling, ctc. The time taken in each case it ropiness To a glass of clean, fresh milk from other source should be added some of the waid used for washing the churns and pails, and another glass some of the water which the cow exposed in the dairy.
The results of these experiments may indicate the source of the trouble, but it is well to adop he following practical measures
went source of the trouble, special care should be taken in washing the milking pails, strainer cloth, etc., after each mikking. When thoroughl lenn, these rinsed with cold water. It is wel to scald the pails, etc., shortly before milking. 2. Great care should be taken to see that water is splashed into the milk in the process 3. As dust is sometimes a carrier of these
terms, the pails, etc., after washing, should be kept upside down, and the milk, when it is in the pails, Should be kept covered as much as possible
, well cleaned. Wooden, cement or stone floors may be cleaned with a mixture of acid to ninety-five parts of water, but car should be taken that this
clothes of the person using it

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\begin{gathered}
\text { clothes of the person using it it. } \\
\text { 5. Wooden vessels should not be } \\
\text { s. }
\end{gathered}
$$

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\begin{aligned}
& \text { may persistently retain the ropy-milk organisms. } \\
& \text { It is not well even to use wooden troughs for }
\end{aligned}
$$

$$
\begin{aligned}
& \text { It is not well even to use wooden troughs for } \\
& \text { washing milking vessels, but when they are used }
\end{aligned}
$$

special care should be taken to clean them on all
6. Dilute solutions of washing soda favor the

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\begin{aligned}
& \text { growth of the organism, and it would be better } \\
& \text { to use sodium hypochlorite or some other cleanser }
\end{aligned}
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\begin{aligned}
& \text { to use sodium hypochlorite or some other cleanser } \\
& \text { and disinfectant in cases of an outbreak of ropy }
\end{aligned}
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7. Straw has been shown to hold ropy milk

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\begin{aligned}
& \text { organisms, and the custom of wiping the the } \text { udde } \\
& \text { of the cows with a wisp of straw beiore milking }
\end{aligned}
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\begin{aligned}
& \text { ing, miikers should not handle straw or fodder, } \\
& \text { nor should any such material be brought into }
\end{aligned}
$$

$$
\begin{aligned}
& \text { nor should any such material be brought into the } \\
& \text { cow-byre just before or during milking. }
\end{aligned}
$$

8. The cows should be kept clean and the ud-

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\begin{aligned}
& \text { ders should be washed and disinfected with a very } \\
& \text { dilute solution of formalin, especially if the cows }
\end{aligned}
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\begin{aligned}
& \text { through mud. } \\
& \text { 9. Ponds and streams should be fenced off so }
\end{aligned}
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\begin{aligned}
& \text { that the cows cannot wade in them. } \\
& 10 \text {. On the first indication of an outbreak o }
\end{aligned}
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\begin{aligned}
& \text { 10. On the first indication of an outbreak of } \\
& \text { ropy milk, the cows should, if possible, at once }
\end{aligned}
$$

## Low Overpun

I am sending you a copy of the summary of the business of a dairying company of which I am whether the company is dealing fairly with its palrons. They make 105 pounds butter out of
100 pounds butter-fat. Is not that too little? If so, could redress be had, and how? If there tage of your knowledy. please give us the advanTaking the figures as they appear on the state appear: That the overrun is about 5 per cent In general creamery practice, this is about 10 per 2. There are several factors which migh $($ bring about a low overrun : (a) Over-reading the
tests. This would credit the patrons with more and would make the price of a pound of fat appear low, and show an apparent low overrun, al
though the usnal quantity of butter and, therethe actual fat delivered. If more fat was cred ted to the patrons than they delivered, then the ther wonld of nectessity make the price lower Iy paid atow price per ponand of fat (and a low
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THE FARMER'S ADVOCATE
sanitary, but tive minutes each morning will do
the formier, and a 50 c. can of disinfectant will keep both the incubator and the brooder in a per-
fectly, healthy condition for a season, if used according to directions. A POULTRY FANCIER iNote.-Other poultry-raisers' experience with artificial incubation and brooding is solicited fo

## More Poultry Profits

Editor." The Farmer's Advocate :
The many letters that have appeared in your valuable paper regarding winter eggs are very opportune, seeng this is the time to get the chicks
halched for neat winter's layers. In the first place, what constitutes the poultryman s winter?
I think all will agree when 1 say that from October until March is the hardest time of the year to produce eggs. It seems, to me, then, that the non-layer in these months has a big handicap to
overcome, especially when she has to start in at 25 -cent eggs, compared with from 45 to 50 -cen Our experience has been that pullets make the best winter layers, but they must be matured be
fore the cold weather sets in. This is one of the chief reasons why so many fail to produce winter eggs. The chicks must be properly fed from the
time they are hatched. The cockerels should be to be made out of them. The pullets then get
the full benefit of all the feed.
Housing and feeding
are two essentials to
men are going to the extreme recarding , wetain-
front houses.
ventilated house is preferable to a stuffy, werin
one, but I believe a well-ventilated house in
sults. We all know that horses and cattle take
less feed in a warm stable than in a cold one.
Why should not this rule apply to chickens, and
tion. The style of houses used on "The Farm-
to be a good one, with the exception of the struw
loft; I would bo afraid of this being a harnor
lico. Regarding feeding, I don't think hens need a
much "fussing" as some imagine. We scatier
mixed grain in the litter morning and night, and
feed a mash at noon (not sloppy) composed of
equal parts of corn, barley and oat chop, and a
few handfuls of meat meal added. Hens should
have access to grit and oyster-shell at all times,
1 find that hens work more diligently in litter
spread thinly, and cleaned out once a week, than
We can readily understand how filthy the litten
nust become, comparing it with dropping boards
started in this way.
ary and February. They laid a total of 1.147
eges in January and 1,444 egges in February
ELgs sold in the two months, $\$ 95$; cost for feed
$\$ .35$; profit. $\$ 60$.
still they show that there is a grood profit

## A Profitable Flock

$\qquad$
dowen egrs. getting from 28 to 338 cents per dore
for them. I feed them wheat or ats and harle

## GARDEN 觡 ORCHARD

Haldimand County Fruit Growers Organise

 fomes swing, the live question of tree-propping ways are used to achieve the end desired, namely to protect against breaking the overloaded
hranches. ject, there is come to the discussion of this submay be made that has good sound judgment back of it, one which many orchardists support, and
which clears away part of the argument of favoring tree-propping. It is this: Trees that have been pruned each year as heavily as they bearing should seldom need to be propped. This
looks like a sweeping statement; pevertheless, it is true. Where thinning of the growing fruit is
not practicel, it will seem ridiculous. But ever not practiced, it will seem ridiculous. But every
orchardist shonld thin out his crop and keep the fruit well back on the limbs to guard against wind bruises. Ile should thin to get even and
market sized fruit. It is easier and quicker to thin out one thousand apples in June than to sized specimens in September or October. A bet ter price will be obtained for fruit from trees that have had the fruit thinned and have been Average crop. A tree that is pruned back so that
its crop mav be thinned out to an average size without wasting much time, under ordinary con-
ditions, will give a fair crop each season, and not be termed a "Shy bearer." But there are trees which have not received
this amount of care, and the question of the props advisable for use forces itself upon us. Many
sciemes are adrocated that are valueless many that are really good, but have some disadvantages, many that are of as big a hindrance as they
Ire ressistance, and a number that are really effiPerhaps it may he easier to look at thece troups, and for that end they may be divided in
$\qquad$
$\qquad$
supports.
The tems that use movable supports. The first group of systems has of late received ponerest Theoreticalls, it looks like the finest In still adrocate its adoption. in systems, the basis is tying the ends of hranches taken from opposite sides of the Wey branches so that ther form a ring aromed linse shatems the prop is permanent. it en ours



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In the crosswire sstem the same principal id
sed as in the screw eye, only there are no eyes
leather wrappedy about the branches, and the posiweight of the fruit may suggest. Generally, the straps may be left right on the tree, and in the In systems that use movable supports, the
conter-prop muthod is conter-prop method is prerhaps the best, and has
worked here witl splendili success piece of $2 \times 4$ is stuck about 8 inches in the
ground, but a short distance from the tree trunk say 5 incies. The heaviest loded branches are then and or leather to tie the wire to the branch, and passing the wire over the top of the $2 \times 4$, the heavy-louded branches. If care is used in of the tree, so that when they are tied the prop is away from the trunk about four inches, then there is no danger of scalding. This plan also atly during heary winds, thus lessening the number of windfalls. It works better on trees pruned The old way wh in bropp. is rather crude, of propping up with poless etc., on, allowing the is likely to drop when a wind is denly on the branch, and the franch breaks. If
$\qquad$
$\qquad$ walter m. Wright.

## Disease in Potatoes from Europe.

 year, dealers in and growers of potatoes find it nevessary to import large supplies for table andseed purposes from Great Britain, Ireland and other European countrics. Bulletin 63, issued by the Dominion Waperimental Farm, Ottawa, ex-
phins how Potato) (enker has found its, phains how Potato ( Etnker has found its way
across the Atlantic into Newfoundland with po tatoes imported from Forrope.
in Comato. It is one of the most serious diseases known. alfecting not only the farm lands on which ly injurious to the health of the consumer directected potatoes. Boiling does not destroy the


THE CANADIAN BANK


## MARKETS

## Toponto

At West Toronto, on Monday, Aprit
1st, receipts of live stock numbered 91 cars, comprising 1,839 cattle, ${ }^{422}$ hogs
105 sheep, 72 calves, and 5 horses quality medium to good; trade slow; n
export buyers. Best heavy steers, $\%$ ? export buyers. Best heavy stears, $\$ 7$
to $\$ 7.40$ : butchers' to $\$ 7.40$; butchers', $1,100 \mathrm{lbs}$; $\$ 6.50$ to
$\$ 6.90 ;$ good to choice butchers', $\$ 6.25$ to $\$ 6.90$; good to choice butchers', $\$ 6.25$ to
$\$ 6.50$; mediums, $\$ 5.60$ to $\$ 5.90$; common $\$ 6.50 ;$ mediums, $\$ 5.60$ to $\$ 5.90$; comman
$\$ 5.20$ to $\$ 5.40$; inferior, $\$ 4.50$ to $\$ 5$, $\$ 5.20$ to $\$ 5.40 ;$ inferior, $\$ 4.50$ to $\$ 5 ;$
cows, $\$ 3.50$ to $\$ 8 ;$ bulls, $\$ 4$ to $\$ 5.70 ;$
milkers, $\$ 40$ to $\$ 60 ;$ calves, $\$ 4$ to $\$ 9$ milkers, $\$ 40$ to $\$ 60$ calves, $\$ 4$ to $\$ 9$
per cwt. $\$$ Sheep, $\$ 5$ to $\$ 6.50 ;$ yearlings,
$\$ 7$ to $\$ 8.50 ;$ spring lambs, $\$ 4$ to $\$ 8$

review of last week's markets The total receipts of live stock at the
City and Union Stock-yardo loot weelk were as follows

The combined receipts of live stock at
the two markets show
arloads, 124 cattle, 2,840 hogs, 13 .
alves, and 118 horses; but a decrease calves, and 118 horses; but a decrease of
a,763 sheep, compared with the same
weak Receipts at both yards were fairly large, especially at the Union yards,
where on Monday there were 124 car loads, all told. The quality of the cat-
tle was the best of the year thus far, there being more good to choice, wellvious markets this winter. There were
buyers from Montreal. Ottawa, Hamilsuyers from Montreal, Ottawa, Hamilton, Chicago, and one or two points in
Northern Ontario, besides all the local abattoirs and wholesale butchers being epresented. Trade was fairly kood, but
oone too active, and prices were barely none too active, and prices were barely
steady, outside of those bought for the
Easter trade. The demand for Easter Easter trab
beef was
prices paid prices paid
markets.
$\qquad$ Exporters.-During the week, about 300 steers were bought, for export, hveraging
.250 lbs . each, at prices ranging from ots at $\$ 7.35$. The heaviest and best ach, were bought by the IIarris Abat or the Montreal Abattoir Co., each firm


THE FARMER'S ADVOCATE
FOUNDED 186G
dressed, nbattoir, Presh-killed stock sell. Potatoes. - The market for potatoes is.
no doubt, firm, although some clain that it is almost impossible to make sales o Mountains are quoted at $\$ 1.60$ per 9 () los., carloads, truck, English potatoes
being about $\$ 1.50$, and other qualities
lown to $\$ 1.40$, and even less

Honey and Syrup.-The sap - running weather is now at hand, but the market is unaffected. Last year the run was
very small, and the quantity of syrup very small, and the quantity of syrup
was light, and the quality poor. Prices
are 7c. to $7 \not \ddagger \mathrm{c}$. per lb., for syrup in are 7 c . to 7 lc c. per 1 lb ., for syrup in
vood, and 70 c . to 75 cc . per tin.
s ${ }^{\text {Sugar }}$
suoted at 8 cc . to 9 c . per lb . White clover comb honey, 10 gc . to $11 \frac{\mathrm{tb}}{} \mathrm{c}$. per
b.; extracted, 8c. to 10 c .; dark comb. Eggs.-Receipts are increasing, but p date. It seems to be the opinion that here will be little alteration in price till after Easter, when, as is frequently
the case, there may be a decline. At the present time, new-laid Canadian eggs
are selling in round lots at 86 c . to 27 c
per dozen, and sometimes a cont less. n single cases, the price is about a cont
or so more than lots. Butter-Creamery very firm. Septem-
ber, 35c. to 36c.; Western dairy, 28 c . to Grain.-No. 2 Canadian Western oats
sold at 52 jc c. to 53 c . per bushel; No. 1 sold at 52 c. to 53 c. per bushel; No. 1
oxtra feed, 511. .; No. 3 Canadian Western,
$\qquad$
$\qquad$ irsts, $\$ 6$ per barrel, in wood; seconds,
$\$ 5.50$; strong bakers' $\$ 5.80$, four in bags being 30c. per barrel less.
tario winter-wheat patents,
$\$ 5.10$ $\$ 5.35$,
$\$ 4.65$

$$
\begin{aligned}
& \text { ton; middlings, } \$ 29 \text { pure grain mouille. } \\
& \$ 32 \text { to } \$ 34 \text { per ton, and mixed mouille. } \\
& \$ 29 \text { to } \$ 30 \text {. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Hay.-Market a shade easier. No. }{ }^{2} \\
& \text { hay, } \$ 15.50 \text { to } \$ 16 \text { per ton; No. } 2 \text { extra } \\
& \text { hay, } \$ 14.50 \text { to } \$ 15 ; \text { No. } 3 \text { hay, } \$ 11.50
\end{aligned}
$$

$$
\begin{aligned}
& \text { hay, } \$ 14.50 \text { to } \$ 15 ; \text { No. } \$ \text { hay, } \$ 11.50 \\
& \text { to } \$ \$ 14 \text { acording to quality; clover } \\
& \text { mixed, } \$ 10.50 \text { to } \$ 11 \text { per toa, carloads. }
\end{aligned}
$$

Chicago.

$$
\begin{aligned}
& 7.60 \text { to } \$ 7.95 \text {; } \\
& \text { igs. } \$ 5.25 \text { to }
\end{aligned}
$$

Buffalo.




British Cattle Market.

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\begin{aligned}
& \begin{array}{c}
88.50-\text { Texas } \\
\text { Nestern stears, } \\
\text { end }
\end{array} \\
& \begin{array}{l}
\begin{array}{l}
\text { and feeders } \\
\text { heifers, } \\
\$ 2.50 \\
\$ 9 .
\end{array} \\
\$ \$ 27.0
\end{array}
\end{aligned}
$$



Easter-tide. oh, rave as the splendor of lilies, Comes the jubilant morning of Easter, A triumph of life over death ;
For freell from the earth's quickened Full baskets Full baskets of flowers we bring, And scattor their satin soft petals
To carpot a path for our King. The sheen of the daffodil's gold,
In the tremulous blue on the mountains,
The opaline mist on the wold, The opaline mist on the wold,
In the tinkle of brooks through the paThe river's strong sweep to the sea re signs of the day that is hasting
In gladness to you and to moll In gladnes to you and to me. So dawn in thy splendor of li
Thy futtering violet breath, jubilant morning of Easter,
Thou triumph of life over deat Thou triumph of life over death!
or fresh from the earth's quickened bosom
Full beskets of flowers we brin
nd scattor their satin soft petal
To earpet a path for our King.
The Roundabout Club Literary Society Study The papers judged best
were written by the followi were written by the following:
Subjeet: "Should the Suffrage Be Granted to WWmen ?" -S. E. Oill, Toronto; "Taps," Wentworth Co., Ont.
Mrs. W. Buchanan, Grey Co., Ont. Mrs. Wh. Buchanan, Grey of Poetical Selec-ions."-J. E. W., Durham Co., Ont.; " $\begin{array}{ll}\text { L.esser } & \text { Spark," } \\ \text { Kemp, Gruce } & \text { Bo., } \\ \text { Brat., } & \text { Ont.; }\end{array}$ Very good papers were also sent by
Mrs. A. Whiddon, Rainy River District. Ont.; "A. F.,"" Prince Edward Co., Ont.; ford, Grey Co., Ont.; Sherard McLeay, Perth Co.. Ont.; "C. H. P.,"' Kent Co.,
Ont.; "Rue," Welland Co., Ont.; "Lady C Captaingille," York Co., Ont. 'rage" are given to-day. It may be of
interest to note that of all who wrote aterest to note that of all who wrote
n this question, but one was adverse to yranting the suffrage to women. Al-
though his points were too few in number
to admit of his taking a place among the prizewinners, his, a
;ear at a later date.

Should Women Have the Sưffrage.
In view of the present-day discussions
over thia topic, a debate on the question omes at a very opportune time. Wail
ng any formal introduction, I shall proing any formal introduction, I shall prong that women should have the fran-
hise.
The first justification for this subject is The first justification for this subject is
th the point of taxation. No one can 'rfuse the claim that taxation and rep-
wsentation should
mo together. If women asentation should go together. If women I'.. grood enough to bear the burden of
Wation, they should have a voice in
$\qquad$
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$\qquad$
represent women, women should have a "equals" then. Is that justice? Woman's ight to choose the men who are to rep-
vesent them. $\begin{aligned} & \text { vote would change that. } \\ & \text { From the home where there are seven }\end{aligned}$ Women have proved their fitness for sons, eight votes go out on election, no laking part in municipal life; they are matter how ignorant and wicked father results of women's work in the muni- there are seven daughters, only one vote cipality are seen elsewhere. One refer- may be cast, no matter how cultured and ence, to the struggle for local option, will pure mother and daughters may be.
suffice. Anyone who follows the move- James Jones is twenty-one. Mrs Smith suffice. Anyone who follows the move James Jones is twenty-one. Mrs Smith
ment will agree with me that it would is the lecturer on History and Ethics in never have received the impetus, and the Univerity from which James has
never have met with such glorious sua- been expelled. He votes, she may not. never haver have met with such glorious sua been expelled. He votes, she may not.
never
cess
Whemen ask for the vote because men Women ask for the vote because men
cess, but for the women.
It is a reproach, that while we open and women were created equal in rights our arms to the admission of aliens, and responsibilities, and they wish the in due time confer upon them the rights woman not from his feet to be trampled of citizenship. We still withhold those
clghts from pure from his head to be ruled over, rights from pure and
have contributed so largely to the great-
Woman represents the home, and the
home should be represented in the State. ness of our country.
Imbecile males, criminals, and females, $\begin{aligned} & \text { home should be represented in the State. } \\ & \text { The fiends who ruin the sons and daugh- }\end{aligned}$
Ine mate the Imbecile males, crimnats, and femafes jurs of the home may vote. The
are prohibited from voting. Is it just
that such women as Frances E. Willard.' mothers of those sons and daughters


Easter Lilies.
 Addams, Woman's vote would protect children
and criminals? The presence of women purifies politics, and better their condtron. In ew zea
as is proved by a reference to any coun- land there is no such thing as a pauper try or state where they exercise the child. franchise. Political life is purer, and
dealings are straichter, than elsewhere.
double standard of morality for men and

 wife, but she has no remedy against him
So are the laws hedged round to protect So are the man, that in mine cases out of ten,
the maes free, and the woman suffers. he goes free, and the woman suffers.
in national life. The larger the voting power of a home, the greater its influence becomes in moulding the laws by which Voting will ennoble womanhood, and qualify woman for truer motherhood. Henry Ward Beecher truly bays: In
the augenentation of her liberty and the enlargement of her sphere, she has fory saken no duty of home, and lost no graes of tenderness and love. She has become a better mother, a better wife, daughter, which it was predicted would ungex her. Which it was predicted would unsex her.
A woman tis better fitted for home whe is also fitted for something elve."
In the occupations and opportunition of life, woman has never, until rocontly
been regarded as the companion aurd been regarded as the companion ard
social equal of her husband, -she has been social equal of her husband, -she has been
his slave, his drudge; at cortain times fan history she has been hunted like an avil mal, and bought and sold like a chattol,
in marriage transactions. Emerson had in marriage transactions. Emerson has
a sentence somewhere to the effect that
if we tie one end of chain if we tie one end of a chain around the
neck of a slave, the other end will neck of a slave, the other end will
sooner or later wind itself around our As regards the qualification of breadwinners, for the voter,- women in many
cases are bread-winners, and in some cases are bread-winners, and in some
cases a woman is the sole bread-winner of a family. In the vast complex marchinery of our industrial lifo, depending so largely as it does on the labor of
women, I contend that there is no clase which has so great an interest in the security, liberty, and peaceful prosperity,
of our country as that of women. Why, of our country as that of women. Why,
then, should they be dented what mom Woman, like man, is a creature whom progressive civilization develope
higher capacities and new aptitudes. higher capacities and new aptitudes
Man has no right to limit growth that God meant to be infnite. History proves conclusively that mem have always risen to a higher dignity of
manhood alter being entrusted with the manhood after being entre invitably be
ballot. The result would in the same in the case of women. The
sense of responsibility would define and sense of rear character.
strengthen her Factory Acts have been passed with a view to meeting the requiremonts of mem
and men employers. Women's votes win and men employers. Women's voter win change will be affected in women's griovances, and especially in the conditions
the sweat-boxes of our land where youns girls are giving their very lifo-blood, drop by drop, while the law allows the om
 Woman's mental nature is different from man's: God made it so, but he made the one the complement of the other. Per harmonious elements. Legivlation will be essentially one-sided until man's ideae
are balanced by woman's. Henry Ward Beecher says: "It will scarcely be denied that men are superior immeasurably superior that women are womeasurably while both of them together are an more than a match for either of them Tennyson says: "The woman's cause is man's, they rise or sink together,
dwarted or godlike, bond or free dwarled or godilike, bond or free Two heads in council
wo heads in council two beside the Two in the tangled business of the Two in the liberal offices of life.
Longfellow says: "Woman sulfrage is
undoubtedly coming, and I for one expect undoubtedly coming, and I for one expec
a great deal of good to result from it."
tnowledge is throwing timely light upon dull the finer temperaments of women, but it is not everything,
Innowledge is throwing timely light upon
every phase, of the woman question. In
its entirety, that question involves the 1ts entirety, that question involves the
meaning of the socialization of one-half
human kind. of necessity, law must be human kind. or necessity, law must be
brought abreast of this new knowledge.
SUSIE E. OILL.

## AN OPINION FROM WENTWORTH

Should the suffrage be given to women? Should it, indeed? This question ha
perplexed the Legislators of many na perplexed the Legislators of many na-
tions, and is one that is beeng asked by
all thinking people. Several governall thinking people. Several govern
ments have already answered it in the ments have already answered it in the
affirmative; many more, including the afirmative; many more, including the
English and our own Parliaments, are
still replying in the negative. But what do we think about it ?
Certainly women should have the tran Chise if they want it, and it seems very
chand
apparent that they do by the eforts they apparent that they do by the efforts they
are putting forth to have it. To say thet such actions do not speak in lavor
of the wisdom with which they would use it if they had it, does they would
loast prove that they would abuse the loast pr that when men are very much in earnest
to pass a necessary measure, they will go to much greater lengths than the
suffragettes have. This was shown by the intengettes have. This was shown by
the time of the extentenion prevailed at the time of the extension of Manhood
Suffrage in England. Suffrage in England.
Why should women not vote ?-but first we had better take up the positive side; the reasons why they should.
At the very first, we have the arg At the very first, we have the argu-
ment that the woman bears an equal
share with the man in making the home. share with the man in making the home.
She does at least half of the work; spends herself, in many cases more than
the man, to keep the home together; and the man, to keep the home together; and
bears a great deal of the responsibility. bears a great deal of the responsibility.
Then why should it be that when the
time comes to choose the lawmakers, one - half the citizens should have the
privilege and the other half be deprived
of it ? As has been said, keeping the of it ? As has been said, keeping the
suffrage from woman is one of the last
traces in our Christinn civilizntion traces in our Christian civilization of the
dark days, when she was little better
than a servant or slave. It necessary to go back to ancient times to to a large degree in India and Turkey
The Chinese woman's lot is greatly im. proving with the awakening of that
country. Does it seem fair, that, though women
may own just as much property as men,
they are not allowed to vote on it-with they are not allowed to vote on it-with
a few exceptions? When they break the law, they suffer equally with the men,
although they have no voice in framing
It. They bear equal responsibitities in every way, yet they must not vote. Does
it seem tair The very strongest reason why women
should have the franchise, is that, in all probability, they would pass temperance
measitres. This is admitted by even the measires. This is admitted by even the
opponents of the movement. Women, as
sex, are more in favor of total pro a sex, are more in favor of total pro-
hibition than men, and it would surely
be but little while until we had it women could express thamselves in any tion in the past has made many laws Hon in the very active part women took man and woman. Because they are
in the great temperance campaigns in the wholly made by men. they are made rote, they exerted a tremendous influence over the elections.
Perhape Perhaps many women do not want to The Care of Women and Children in Pe
vote. Such is said to we cannot believe that they would not if Large Cities, The Hucation. The Problem in they could. Can they not choose and
vote for candidates with as much wisdom and to some extent lower them to mix
in politics. Why should this be so? On
the contrary, would not the purity and
truth, all the beautiful characteristicso of
the fairer sex, help to uplift politics and many ways our hands are tor ind a We areat
told by Institute workers and others to
visit the schools and see what reforms
are needed there and try tha accomplish
something, but how are we to go about are needed there and try to accomplish
something, but how are we to go about
it? By influencing others? it? By influencing others? Would it
not be a great deal better if we could not be a great deal better if we could
have a say as to who was to be put in
as trustees, or in being trustees ouras trustees, or in being trustees our-
selves? Oh, I $\begin{aligned} & \text { suppose somebody will } \\ & \text { laugh at that. Well, I have known of }\end{aligned}$ laugh at that. Well, I have known of
cases where men put in as trustees and cases where men put in as trustees and
secretaries of school boards, and their
wives had to do the work for them. Wives had to do the work for them.
Why could not the women have been put Why could not the women have been put
in at first? We women are tired of
Wen Sending "deputations," and praying his
"lordship-man" to condescend to let us have this or that needed reform, which
they will promise to give their best atbacks. Only the other week, deputatons from nearly all the Provinces wait-
ed on Mr. Borden at Ottawa and prayed for his influence to be used in prohibiting cigarettes being sold to children (it seems bounds). Well, he only promised to con-
sider it. Why could he not have knocked it on the head at once? "If it had
been a mad dog, it would soon have been muzziled.'. A thing like that is wrong, think it needed consideration. Where women have become voters, reforms have
proceeded more rapidly than before. Take
California, for instunce California, for instance. They soon set-
tled the temperance question there tled the temperance question there, and
they would, too, in other places.
If, as some think, woman's place is in the home, that does not imply, surely, that she should for ever stay there. She
needs to go out occasionally for change
and relaxation for the good of her and relaxation, for the good of her
health, and to get her ideas broadened and stimulated. She goes to church
and to town and other places. If she and to town and other places. If she
has small children, she has either to take
hem with her them with her or leave them at home in
somebody else's care, but she cannot stay say that the farmers ought to stay at
home to look after their stock and other things, that the merchants ought to stay their benches. No true woman will neg-
lect that which is of first importance, her motherly and wifely duties her maternal
and inborn instincts prevent that-but
women have not yet taken their women have not yet taken their places
where God intended they should, as helpmates and equals to man. If the woman
is not without the man, neither is the man without the woman, and the battle
is now for us all in whatsoever sphere we find ourselves, but it will be with the
pen more than the sword, and the head more than the arm, and our intelligence
more than our physical strencth. In the East and in the West, women are asking
for the opening of the doors of intelectual advancement, and claiming a Orient, where in the past women lived as
virtual slaves, and cave passive ohedince to their husbands, they are clamorDuring the last decade or two, E.nglish,
French and German governesses have been constant companions of ladies of the
harems, and many Western ideas have
found a place there In Turkey. India
and Egypt, it is the same. Wherever
European European governesses and missionaries
have gone and scattered knowledtre, and have gone and scattered knowledge, and
books and journals, there is a keen de-
sire for more, and a wish for areater sire for more, and a wish for greater wal faculties to the fullest extent. ${ }^{\text {The }}$ for grow, and the Japanese are asking
more teachers, senythe their girls to is said about women not wanting the The Care of the Aged and Feeble-minded vote is not true; that, in reality, they The Peace problem, and many others.
do not wish to appear too eager to have In the past, too many men have conmanner in which some of their sex are they had it, it would be as wisely used as when in the hands of men.
Women are now taking every position occupied by men. They are seen in al
most every office, filling every on an equality
as able mentally vines acompmish can they not vote a question is absurd, it is too foolish $\underset{\substack{\text { Consider. } \\ \text { The point has been urged that it wil }}}{\text { w }}$

Hope's Quiet Houn

The Power of His Resur pection.
That I may know Him, and the power
St. Paul's longing to know fully out of date. Men and women still $n$ all earthly gains and pleasures are uu out for better and higher joys. Th question: "Why don't the men go prised that so many do go to church Why am I surprised, when I aun sur
that the soul of every man is really-
though perhaps My God? they have gone so often, and found th Risen Christ there, that they must b
discouraged and hopeless of aver findin His that His fault? Has He broke little company (even a company of two
gathered together in His Name? Never! He is certainly there; so, if anyone goe ing that the only persons in the buildin were the congregation and the minister
it is because he was too careless or faith. less to find the Loving Lord of the church. As it was long ago, the multithe living JESUS, but only a sou scious purpose, gains health and strengt We are still taught spiritual truth b mysterious power that wo call "electric
ity." Sorce shoppose that invisible, mighty
forcey to a wire: "It is your
mission to light up the room, you can move heavy street-cary muphy heat for ironing," The wist
might reply How can I supply lighy
power and heat? I am only lifolo
$\qquad$ cannot supply to width of a hair.
posseres But the iron can and does supply light,
power and heat as required, not from ith
own resouncer with the source of supply. The moment to light and power flash through Church: "Ye are the light of thi not contlict with 1 Itis.: 14 majestic That doer daration just hecaume world." In fact, it is
$\qquad$
$\qquad$



 need, "The dooctur goes on $n$. sman lestet brings water down trom
 io suy. surite that the os tong, thond

Izuy orつiw irn

Milk Pails<br>are cleanest<br>when scoured with

## Old <br> Dutch - Cleanser

Grease and scum disappear like magi. No kind of dirt escapes it. It is hygienic and cleans the unseen dirt leaving your pails, pans and dairy utensils "sweet," clean and sanitary. Safest because it contains no caustic, alkali or acid. Will not injure the hands.

Old Dutch Cleanser is the best all round cleanser known. You can the larm. Try it, next time you
clean harness, metal, etc.. - see how it helps to work quicker and easier.


## Freckles



[^1]


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Is there anything more attractive than the school girl who has reached the age of pride in her appearance? not share this pride to the fulles extent and take pleasure in gratifying it within the limit of her means? One Quebec mother writes
"No zvoman in the zoorld could be more grateful to Diamond Dyes than $I$ am. They helped send my three little girls through school with as much pride in their appearance as their companions had, whose parents zvere people of great zwealth.
(Signed) Mrs. J. A. Robbins There are countless uses of Diamond Dyes-all of them practical, all money saving, all beautifying. It will profit

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When my brother was riding him he fell
ofit often go to Desboro with him,
and to-day my sister and I are going. the pup. I will send a few riddles: It followed er M. (ary, poor thing. Ans.-The let-
Who sits with his hat on belore the King? Ans.-The coachman. $\quad$ HARLAND ATKINSON.
Desboro. Ont. - Benvers,-This is my first letter to the Beaver Circle. My
lather is taking "The Farmer's Advocate." I enjoy reading the letters the other Beavers write. A. we a dog named
about my pets. I have a
Collie, and I have an old cat named Tabby. I go to school. The school is
a mile and a half from our place. I and close, hoping this escapes the w.-p,
and wishing the Circle every success. IRENE CARNEGIE
(Age 10, Book Sr. II.).

Dear Puck and Beavers, -1 have just nished reading the Beaver Circle, and hat with you. I have a little sister, fine. I have a little dog, and we call
him Collie, and he draws me around. We hime Collie, and he draws me around. We
live six miles from Orillia. We have taken "The Farmer's Advocate" for many
years, and like it fine. We have a large, tarm now. I will close with a
lidde: Old Mother Flippety has but riddle: Old Mother Flippety has but
one eye, she has a lolog tail that she can let fly; but every time she goes
through the gap she leaves a piece of her tail in the trap. Ans.-Needle and
thread. BOULTON MARSHALL
$\qquad$ Dear Puck.-This is my first letter to the Beaver Circle. My father has taken
"The Farmer's Advocate" for three years. I have one mile to walk to
school. I go to school nearly every
gity day now. is Miss Hamilton. I am eight
her naine is Mat and
years old, and am in the second book. years old, and am in the second book.
I will close, hoping this will escape the Nelson, Ont.
Dear Puck, -I have about a quarter or
mile to go to school. I was elght years old on Christmas day. I am in the farst ago. I have a little sister three years old, and a little brother six months
ad. I have a pure-bred English Collie old. I have a pure-bred English Collie
I call him Buster Brown. Our old horse died the other day. We have a kitten
called Popsey. I will close now, wishing the Beaver Circle every success. Eastmount, Ont. (Age 8, First Book').

Dear Puck and Beavers, -This is my Crst letter to the Beaver Circle. can. I live between Welland and Nlagara place to Welland, and about eight miles rom Niagara Fals. We go oretty summer resort on the shore of Lake Erie, and is about fourteen miles from our home. For pets I have three cats, two
kittens, and one old cat, two sheen and kittens, and one old cat, two sheep and
one hen. I call her Rebecca. I have saved my money and bought
with it. My father has taken "The Farmer's
Advocate" for one year. As my letter is quite long I guess I will close.
CAMERON K. K. SMITH crowland, Ont. (Age 9, Sr. III) You have written a very nice letter,
Cameron. You see what "trying" does. Dear l'uck and Beavers,-As this is
my first letter to the Beaver Oircle, I hope it will not come in contact with have got five pets, one a dog which I call Tyge; a cow which I call Daisy; a hen which I call Chucky, and the other two a cat and a canary. The latter
sings from morn till night. I live five sings from morn till night. Pilve from
miles from Perth and eight miles from
Smith's Falls. We had a concert up
two pieces to say. We got an teacher last summer, and we all like Perth. Ontario: Box (Age 11, Sr. II.) Dear Beavers,- -1 am going to write ay
rat leter to the Reaver Circle Pather has taken "The Farmer's Advo cate" for fourteen years, and we enjoy
the paper very much. I always enjoy reading your letters, but have not writ wouldn't escape the w.p. b. We live on a farm, about a mile and a hah
from the Georgian Bay. We have splendid view of the Blue Mountains, which are about seven miles from town. have a fine brick school that was buile three jears ago, wol, equutped, having
an organ, a library, slate blackboard and a furnace, which is a great imAs my letter is getting too long, overy success. BEATRICE COE Allenwood P.O., Ont. This is also an interesting 1 at
Junior Beavers are improving.

## Beaver Cipcle Notes.

 Rita Coyle wrote a delightful little of the paper, and, you know, that is very awkward for the printers, who ar Many letters are still held over. Don fill you to begin agaln.ing edward's dog. By the way, have you heard that King unds for the King's Hospital Fund, in London? He wears a little box on his Collar into which people put money. rough-haired dog that used to follow King Edward wherever he went. At the King's funeral he trotted along besido wards he kept wandering about, apper rently looking for his lost master.
may rememberk him yet,-who knowa?

## Lilies.

By Emily Bugbee Johnson, in Onward. Dear fragrant lilies, now unfold Your lovely petals white, Geam in the April light.

Another Easter morn is near, As death's cold shadows filee awas In hope's eternal spring.

And all the fragrance of your bloom Your purity and grace Should geaden every sorrowing home

Since Christ is risen 'tis loy to kno Though from this lovely world we go Through the dark valley led.
your own stainless flowers uprise From the dark bulb below,
so we to lite beyond the skies From out the mould shall grow Ah I no, we never can be dead
Since He lives evermore If from His life our own is fed

## Some Easter Echoes

 tike many other fest ivals, the eelebra-tion of Easter really dates huck to pagan nox and rising of the vile were the stg-
nal for general rejoicing and sacred rites initiated by the priests, who watched Hence the root of Easter rejoicing is解 sun. in the old-time worship of The name "Easter," however, has been derived from the name of the god
dess of the Saxons, Ostara, who was the personification of the east, of morning


Thę己asylouderkuy
To Unload Hay
$\mathrm{T}_{\text {Looden Har }}^{\mathrm{HE} \text { har } \mathrm{r} \text { y you work the the }}$ yond

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HAYCARRIER to the repair shop. It lasts a lifetime.
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handle dry clover alfila or thrashed straw where cllver, others fail. The Louden Hay Carrier and Louden Grapple Fork
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Sif he does no thave themu writ us.
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is rich in food value and easy to digest. It is just Cocoa-pure Cocoaground from the choicest cocoa beans.
DO YOU USE COWANS?

Finally the Easter which we know was rection of Jesus Christ, the first Chi tians continuing to observe many of the old festivals though in a new spirit. The date of the Christian Easter was
at first identical with the Jewish pacc over, but this was not pleasing to
early church, and so, after much dis, tation, another time was set by the
Nicaean Council, and the time finally atter the full moon following the vernal equinox.
According to a regulation of Con-
stantine, Easter was made the beginning stantine, East. In France this rule held
of the year.
until 1565 , when by an ordinance of Charles IX. the first of January took its place.
so point, though vaguely, to Pagan origin. For instance, the egg, now used as
symbol of resurrection, possessed a symbol of resurrection, possessed a
symbolic signification in many lands symbolic signification in many lands long
before the Christian era. In the Veda of the Hindus old hymns still tell of a
primeval water from which arose an primeval water from which arose an
"egg" that gave birth to Brahma.
The hare also figures in many mytho logies, and from ancient times was considered as a symbol for the moon.
The custom of eating "hot-cross buns cended from pagan worship have do scended from pagan worship of the
Queen of Heaven, by the eating of cakes
nade to resemble the sacred heiler in made to resemble the sacred heifer in
Egypt.
Until the reign of Ja;tes II. in England it was the custom for the Sover-
eign at Eastertide to wash the feet of s. many of his subjects as he numbered
years in age, and old records tell that lin the thirty-ninth year of her age
in
Queen Elizabeth washed the feet of thirty-nine of her subjects, the said feet
having been previously "، doubly washed and perfumed." At a later date the
ceremony was deputed to the King's almoner, and finally gitts of money, or
"'maunds," were substituted for the cara In former days the lighting of the paschal candle was a great feature of
the Easter rejoicing. the Easter rejoicing. The candle it of was then a very conspicuous object in
the church, and at Durham Cathedral
was placed in the center of the altar of the candlestick (which had also stem branches spreading out towards the four
cardinal points), was ahout 38 feet hiuh. With the candle proper the total height
reached was 70 feet, and the lighting was done from above. and the lighting Candle weinged 3 stones of wax, while
that at Westminster in 1.558 weithed less than 3 hundred weight. 1558 watighed no
suntide whatever Whitmade into candles for remained was

The Ingle Nook.



AR

## Does It Pay

to serve low-grade oatmeal to the children, when Quaker Oats costs one-half cent per dish

Quaker Oats is made from just the 'rich, plump grainsthe finely flavored oats.
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 $\left.\begin{array}{|c}\text { Family size, with a piece of } \\ \text { china beautifully decorated, 25c. } \\ \text { Regular size for city trade, 10c. }\end{array}\right\} \begin{gathered}\text { Except } \\ \text { Extreme } \\ \text { Inest }\end{gathered}$The Quaker Oars Company



PETERBOROUGH, ONT


Take a Handín ot "St. Lawrence" Sugar Out To The Store Door -out where the light can fall on it -and see th briliant, diamond-lik
sparkle the pure white sparkle the pure wis.
color, of every grain. Coor, ot's the way to te
That's any sugar - that's the
way we hope you will test
casionces
Compare ilt with any other sugar-compare its pure, white
Better still, get a 20 pound or roo pound bag at your grocer's and test "St. Lawrence Sugar" in your home.
the st. lawrence sugar refining co., himited, montreal.

mention the farmer's advocate when writing advertisers.
(iropriate), trimmed with yellow pond
We were very conscies. lites. We were very conscious of those
bit hats and yellow lilies-conscious and
-sntisfed. The choir-room that morning was quite
illed with "creations", somewhat similar "lled with "creations" somewhat similar
io our own, black and yellow everywhere, as though it had been a Spanish fete,-
and every hat enormous in size. When
the sopranos and altos filed into the the sopranos and altos filed into the
choir-loft the bassos and tenors were
nuite bloted quite blotted out. Moreover, the whole
church was one fluttering mass of new
headgear, and resenbled nothing so much headgear, and resembled nothing so much
as a millinery show, whose gorgeousness quite overshadowed the two white Easter pure spring sunshine flooded in through
the windows, but upon women whose atthe windows, but upon' women whose at-
tention was too often distracted from tention was too often distracted from
the service by the head decorations in the service by the head decorations in
this seat or that ahezd. Women do love
pretty things, there's no getting out of it, and it is quite right that they should. Indeed, there would be something wrong
with a woman who had lost all interest finally and forever in a pretty hat, so
perhaps it was not altogether the fault perhaps it was not altogether the fault
of those women on that Easter Sunday
if they peeked a bit. The fault was if they peeked a bit. The fault was
rather with the custom that made such a wholesale display possible.-And yet,
somewhere, it must have been the SabThe custom of such Easter show obtains in but few places now, and among
comparatively few people. We can all comparatively few people. We can all
help in putting a ban upon it by coming
out thy degrees with our finery, wearing out, by degrees, with our finery, wearing
our new hats either a week or two be fore or after Easter, and so leaving the
day to be marked by its message rather flowers.
By the way, what do you think of sur-
plices and "umptar - boards," or caps equivalent to them, for choirs? I should like to hear your opinion on the sub-
ject, then I will tell you mine. drop cookies-cleaning queries. Dear Junia,-This is my first letter to
the Ingle Nook, although I have always read with pleasure the many helpful let-
ters sent by all the other chatterers So now I have come in distress myself.
I always save the papers, but there is
one that I don't seem to be able to find It was one containing a recipe for ginger
drop cakes, and if I remember rightly, it was given by Miss Canada in Augus
20th, 1911. I remember there were eggs and 5 cups of flour, 1 cup boiling
water; the rest of the recipe I cannot recall. (2) I have a navy blue dress,
very loosely woven goods, all wool; i very loosely woven goods, all wool; is
there any other color 1 could color it besides black? (3) Could you publish
a method for cleaning Brussels carpet? (4) Also a method for cleaning rust off
the steel on a range? (5) Could you
also tell me how to clean a yellow sillk the steel on a range? (5) Could you
also tell me how to clean a yellow silk
piano drape which has been bady spotted piano drape which has been bady spotted
by files? Would you advise rinsing it out in strong salt water?
Well, I guess I I have asked enough
questions for the first time. With best questions for the first time. With best
wishes to all, I am, "BLACKbIRD."
Glengarry Co., Ont.
I have not been able to find the recipe you mention. Perhaps someone else can
give it. Here is a recipe for drop gin-
ger cakes which may be satisfactory ger cakes wis cup brown sugar, 1 of
Put in a basin 1 cup
molases, 1 of of butter, then pour on 1
cup boiling water and stir well. Add
 tablespoons each of ginger and cinnamon,
and
teaspon ground cloves, 5 cups flour. $\frac{1}{\text { s. teaspoon ground cloves, } 5 \text { cups flour }} \begin{aligned} & \text { Stir well, and drop in spoonfuls on }\end{aligned}$, Stir well, and drop in spoonfuls on a
buttered tin, and bake in a rather quick (2) Packer's Dye Works' manager, to
whom I telephoned in regard to your whom I telephoned in regard to your
dress, says that if it is a very dark navy
it will not dye well to any color but black. If a light navy, it might take a
bark green. She says that it would be
dater dark green. She says that it would b
safer to dye it navy blue again (if faded sater to dye ne nater
and trim differently to make a change.
(3) Nothing is better than a vacuum (3) Nothing is better than a vacuum
cleaner for taking dust out of carpet. cleaner for taking dust out of carpet.
If, however, the carpet is soiled with
dirt-marks or stain, other methods must be resorted to. The following formula,
known as "Clarke's Wash for Carpets," $\begin{array}{ll}\text { is given by } & \text { Scientific American. }\end{array} \begin{aligned} & \text { Solu- } \\ & \text { tion (a). } \\ & \text { ait } \\ & \text { aith } 3 \text { parts ammonia } \\ & \text { water }\end{aligned}$
dirt, then wash well with solution (b) made thus: Dissolve 10 parts soap in
20 parts water, add $3 \frac{1}{3}$ parts soda and $\frac{1}{\text { p }}$ part each of armonia water and alco-
hol. Rinse well and dry Another method is to use a wash 1 part oxgall to 1 pailful water.
with
with
clear water, and possible. (4) To remove rust from steel, cover
the spots with sweet oil, well rubbed in Leave for 48 hours, then rub with pul verized unslaked lime. To remove it
from a nickel-plated surface, cover the spots with oil for a few days, then rub with a little ammonia. If this fails, wap-
ply very dilute hydrochloric acid. When ply very dilute hydrochloric acid. Whe
dry, polish with whiting (5) Wash your silk drape in gasoline Or course, you understand that this worlis must be done in a room where there no flame, either fire or lamp-flame. Neg-
lect of this precaution has often caused dangerous explosions. If you are too much afraid of the gasoline, as some are,
sonk the drape in water to which soak the drape in water to which a little
turpentine has been added, let dry, then turpentine has been added, let dry, then
wash carefully with cool soft water and a mild soap.
Cleaning woodwork-floor fin Dear Junia,-We are fixing over our kitchen and putting in a bath-room, and will have hardwood floors in kitchen and
bath-room. I wonder if anyone could ath-room. I wonder if anyone could wood kitchen floor.
Have any of the readers had any experi-
ence with light ence with light oak-grained woodwork in often as a kitchen does? It seems to it is easier to clean than paint. I will have to tell the readers how we
fixed some of our softwood floors. First fixed some of our softwood floors. First dry, then give the floor two coats of
yellow floor paint (the best) yellow floor paint (the best). Lastly, give it a coat of walnut varnish atain.
You will have a pretty, as well as dur-
$\begin{aligned} & \text { able floor. }\end{aligned}$ L. A. R. Beauharnois, Quin
If I had a hardwood kitchen floor, 1 but, of course, many prefler the bare floor. Woll somoone who has had exquestion?
Woodwork may be cleaned quite easily Woodwork may be cleaned quite easily
by rubbing it with a little keroene, pol-
ishing well afterwards with clean cloths. Ishing well afterwards with clean cloths.
If you dislike using the coal-oil wain it with water to which millk has been added (1 pint milk to a gallon of water). and rub dry with soft flannel, cotton-
fannel, or chamois. The natural wood should be even more satisfactory than a painted surface. If too light in color.

## To The Chatterers.

Housecleaning time will be on now be
are we have time to turn around. Will you kindly ask me at once about anylhing that is troubling you in regard to Address solion of the problem for you. Address all letters to ". "Ingle Nook,"'
"The Farmer's Advocate,"" London, Ont.

## Brussels Sprouts.

 Blue Bird, Haldimand Co., Ont., wishonto know how to grow brugeele sprouts. rhe soil should be a rich loam: in a andy soil compost should be dug in
about each plant. The seed may be sown under glass in April, and trans-
planted once, or it may be sown outsidde as soon as the ground is fit. Sow very well up, thin out well, and transplant in June. Keep the patch clean and the liquid menure at time of trangplanting. and weekly for three or four weeks. of the teaves near them. When it is time to use the vegetable, cut off the sprouts, leaving as much as
possible of the heel in order that new sprouts may form.

## Our Scrap Bag.

wash silk.
new, put a wash sill look almost like
to eyphenful of wood alcohol


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St. Johr,


## This Washer

 Must Pay for ItselfA


 4 Wapher. 1 Aravity
 about the man who owned it.
But I'd never know, because they wouldn'




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Local Manager, or direct to the Special

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ention the farmer's advocate when writing

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6


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Alsyke-
"Ocean"
".Lean
"Lake"

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good yeast you should insist
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tities.
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Best Varieties of strawberry Plants

said, with affected surprise. "Where
When ?" "
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$\qquad$

deserted dining-room, the tatetuh hour-, conch is ready," he said at, last, tenta-
Chauvelin on the watch !-then, preciso tively.
this hidden identity.
She wistrange, so weird was am really tired. .". and, perhap
would be best alone."
him as he entered, she knew watching him, for she hoped that, like the for so resembled, Chauvelin would be prowl-
woman's penetration would at once ing round, thinking to find her alone.
he might be that strong individuatity
what Chauvin did not come, oht what had
which belongs to a leader of men-to a happened? She felt' Armand's fate
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$$
\begin{aligned}
& \text { and exchange pleasant au revoirs. } \\
& \text { The Minister only toons fnal leave } \\
& \text { beautiful Lady Blakeney on the top }
\end{aligned}
$$

$$
\begin{aligned}
& \text { beautiful Lady Blakeney on the top } \\
& \text { the stairs ; below, on the landing, } \\
& \text { veritable army of gallant gentlemen we }
\end{aligned}
$$

$$
\begin{aligned}
& \text { veritable army or onane } \\
& \text { waiting to bid "God-hye" to the queen } \\
& \text { do beauty and fashion, whilst outside, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { under the massive portico, sir Percy } \\
& \text { magnificent bays were impatiently paw }
\end{aligned}
$$

$\qquad$

$$
\begin{aligned}
& \text { "The conservatory is deliciously cool: } \\
& \text { let me take you there, and then qeet you } \\
& \text { something, You seem ailink. Tady Blake- } \\
& \text { ney." }
\end{aligned}
$$


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$\qquad$
test Vartetles ar sir

## Cairnbrogie Clydesdales

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That onens to dis mharec hhe conte
That bores in all condtituns of fart

 That indidividually bores NISE different

It vaur hardvare or implement man
Canadian I ogging Tool Сол: pany, Limited Sault Ste. Marle,

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[^3]have helped you to-night. . . marely
have the right to know. What happened in the dining-room at one o'clock just She spoke in a whisper, trusting that in the general hubbub of the crowd he
words would remain unheeded by all save the man at her side.
"Nobody."
.'Quiet and peace reigned supreme, fair
lady : lady ; at that hour I was asleep in th
conner of one sofo and Sir Percy pat corner of one sor
ney in another."
'"Nobody came into the room at all ?" "Then we have failed; you and I? " Yes I we have failed-perhaps But Armand?" she pleaded. - Ah I Armand St. Just's chances hang on a thread . pray heaven, dear
lady, that that thread may not snap," lady, that that thread may not snap,
.. Chauvelin, I worked for you, sincere Chauvelin, I
earnestly
worked for yor
remember "I remember my promise," he said
quietly ; "the day that the Scarlet Pimquietly: "the day that the Scarlet Pim
pernel and I meet on French soil, St Just will
ing sister."
ing Which means that a brave man'
blood will be blood will be
with a shudder
S. His blood. Surely at the present moment you mus Surely at the present moment you mus
hope, as I do, that the enigmatical Scar hope, as I do, that the enigmatical Scar
let Pimpernel will start for Calais to
day-" "I am only consclous of one hope
citoyen."
"And that is ?"

That Satan, your master, will bave
need of you, elsewhere, before the sun need of you,
rises to-day.
"You flatter me, citoyenne." She had detained him for a while, mid
way down the stairs, trying to get at way down the stairs, trying to get a
the thoughte which lay beyond that thin the thoughts
fox-like mask.
fox-like m
urbane,
arbane, sarcastic, mysterious, not a line
betrayed to the poor, anxious woman
whether she need whether the need liear or whether she dared to hope.
Downstairs on the landing she was
soon surrounded. Lady Blakeney never stepped from any house into her never
coach
without an escort without an escort of fluttering human
moths around the dazzling light of her
beauty. But before ahe beauty. But before she finally turned
away from Chauvelin, she held out a tiny hand to him, with that pretty ges essentially her own
"Qive me some $h$
velin," ghe pleaded. With perfect gallantry be bowed ove
that tiny hand, which looked so dever that tiny hand, which looked so dainty
and white through the delicately trans and white through the delicately trans-
parent black lace mitten, and kissing the
tips of the tips of the rosy fingers :-
" Pray heaven that the thread may no "Pray heaven that the thread may not
snap," he repeated, with his enigmatic And stepping aside he allowed And stepping aside, he allowed the
moths to futter more closely round the candle, and the briiliant throng of the
jeunesse doree, eagerly attentive jeunesse doree, eagerly attentive to Lad
Blakeney's every movement, hid the keen fox-like face from her view.
(To be continued.
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Clease order by number, giving age or
casurement, as required, and allowing $t$ least ten days to receive pattern. Cdiress, Fandion Dept., "The partern, WE KNOW THE KIND.

APRIL 4, 1912
News of the Week.
THE FARMER'S ADVOCATE





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erect a ten-story building at the corner
erect a ten-story building at the corner
of James and Albert streets.








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TRADE TOPICS


TRADE TOPIC.


THE FARMER'S ADVOCATE

|  |  |  |
| :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { per } \\ \text { per } \\ \text { eis. } \end{gathered}$ |
|  | Leghorns. Bred to lay; grow quickly: fatten <br> readily. 81.50 per $10 ; \$ 6.00$ per 100 . Nor lolk Spe <br> ntario. |  Etandard points. Fggs: $\$ 1.00$ per $15 . \quad$ (rood Thos. F. Pirie, Banner, Ont |
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| Rooke. R. J. Gitb, Galt, Ontario. |  |  |
| B ARED Rock begs for hatchina Bmithie Falle ontario. |  Freeport, Illinois. |  |
|  |  |  |
|  |  Ontarlo. | EGGS EGGS EGGS |
|  |  |  |
|  |  |  |
|  <br>  den, Ontario. |  |  |
| 81 for Alteon: Ohas. Hilliker, |  | The balance of our $\$ 5$ and $\$ 7$ cockerels at $\$ 2.50$ and $\$ 3$ each. |
| $\underbrace{\text { ood }}_{\text {or }}$ | Moneym ${ }^{\text {ERRS-Bred to lay: S.-C. Ruf }}$ | $\qquad$ |
| $\frac{\text { mes }}{\text { nor }}$ | $\stackrel{v .1}{v}$ | Poullry Farm Near Klngston. <br> Ideal conditions for poultry-raising ; only one- half mile to railroad station, three and one |
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| $\mathrm{C}^{\text {Hotof bingit. }}$ - <br>  <br> grove, Ontario. | $\frac{R}{\substack{100}}$ |  |
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| $\mathrm{E}^{\mathrm{G} \text { Gostrom }}$, prizewinning and laying Barred aro per thandred. |  |  |
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|  guaranteed. $\$ 4.00$ Binkham, Ont.; Erin Sin |  | to |
|  <br>  | manin |  |
|  |  | OUNG MEN FOR ONTARIO FARMS |
|  |  | Drawer 126, Whena, ont. |

A「'RIL 4, 1912

## TRADE TOPICS

 the aceuisition ofTo get rick at all hazards, and to object to which most men are bention
their energies nowadays.
The bumble man out yonder who Has the hope within him hidden that some day he may be rich;
Ind forgeting all the seasons that so foolishly were spent,
He keeps hoping he may profit by some He keepsk accident."

If it were not so, many a man who is now able to prey upon the credulity of other employment. The Chiet Post-office Inspector of the City of New York, re-
ports that last year "Members of the Suckers' List" lost seventy-seeven millions of dollars investing in the get-rich-quick the "suckers"" were not caught on the

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## You Can Grow Bigger Crops and Better Crops

on your land if you set about to do this in an intelligent manner. There are three points to which you must give careful and particular attention: Proper Cultivation, Crop Rotation, and the Proper Use of the Right Kind of Fertilizers, To secure best results you must attend all three of these. No mater how land is cultivated, or your crops regulated unless you use in the proper way the right kind of fertilizers, you cannot secure the best results.


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$\$ 34.00 ;$ Edmonton and return 42.00 , and other points in proportion. $\begin{array}{lll}\text { Return limit } 60 \text { days. } & \text { For the accom } \\ \text { nodation of Canadian } & \text { Pacific Railway }\end{array}$ assengers, a special train will leave omprised of Tourist and Colonist Sleepoe of charge. Passengers, however leeping cars will be operated through arough to Winnipeg and Calgary.
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1rs are provided with cooking ranges
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## Let THis Incubator And The Peerless Way Make Poultry RAISING YOUR MOST Profitable Branch Of AgRICULTURE 303

$Y$OU can do it-can do just what 20,846 other farmers and poultrymen have done and are doing in Canada to-day. You can adopt The Peerless Way, take the Peerless Incubator and Brooder and with the experience that we have spent years in acquiring and which we offer you freely, double or treble your poultry-profits. Per head of population, the United States produces three dollars of poultry products to every dollar's worth produced in Canada. That means Canada should produce $\$ 75$,000,000 worth instead of $\$ 25,000,000$ worth. Canada is an undersupplied poultry market with rising prices - for example, seven years has seen the price of eggs alone just doubled. We have been so blinded with big things in Canada, that we have overlooked how really immense some of the smaller things are. The Peerless Way affords a real way to increase poultry-profits.

Let The Peerless Way Teach You Exactly What Profitable Poultrying Really Means
I fro from the amount of capital invested; profand, even more important what not to do As operators of the Poultry Yards of Canada, Limited, the largest and most successful poultry farm in the Dominition, we are preparect th teach you how to make money in poultry You can either come to Pembroke and take a course at our poultry farm here by paying a small fee for the course- or we will teach you through the mail rree all about the methods we have made so successtul.:
Let The Peerless Way Show You How You Can Meet The Climatic Conditions of Canada In Poultrying

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ERR half the failures in poultrying in
anaula ary tue to improper metholls. buill for warmu climater, , never hawn and Mever will give in the cold winters of the Domininu the full posibite reculls. The Prerles, Mas
 recognition in this inmprtanit fayt Thic Perer

## LEE <br> Manufacturing Co., Ltd.

 111 Pembroke Roaddesigned and built for Canadian use and the blue-prints and worling-drawings furnished for the erection of poultry houses, are made from houses that have actually been used and proven successful on our own poultry farm at Pembroke.

## Let The Peerless Way

 Show You About Co-operative Marketing And Higher Prices
## M

 ORE money for your poultry and eggsthat's the secret of greater profits! To 20.6 polnym 20,846 poultrymen who use Peerless Incubators and Brooders and have adopted our methods. - we have taught co-operative marketing. We \& have shown them how to get top-notel prices for large or small guantities of poultry or egge and how 10 sell to the best advantage. Work ing along the lines that we have proven to be sosuccessful is makine anincreased tevenue from poultry. Voun, loo, can have the benefit of all our experience, for our Poultry Advisory liourl is andy our Poulry Advisthinse. They are poaly to give you freelv at toil and exhanstive study to acen theme year. (t) - 4 von in the right track and cnable you purts right from the minute you tho

PLMBROKE ONTARIO


You can plant Potatoes as easily as you rake Hay with This Machine.
stooping - and the tiresome
days of woff.i. This machine-which is as easy to operate as a horse rake

- enables you to plant from four to six acres of Potatoes a day.
"O.K." Canadian Potato Planter opens the trench, drops the seed, covers with moist soil. and marks for the
next row-while you ride on the machine and drive the horses. Not much work in this, is there? And there s money in Potatoes,
The average price last years was 60 c . a bushel-and in February this year, Get an "O.K. Canadian" Planter this year and plant more Pota "O.K. Canadian "0.K. Canadian" Spraye enables you to cut from 5 to 7 bushels or
potatoes an an hour. Beats hand-cutting.
doesn't tit?
6 CANADIAN POTATO MACHINERY CO. LIMITED, GALT, Ont


## The "Bissell" All-Steel Rollers -

The "Bissell" Roller is all steel except the Pole. It is braced and stayed to stand all kinds of hard work and wear well. The bottom
of the frame is all steel too. The ond frame Hangers are formed from bar
The (18) anti-friction Roller Bearings make light draught
The Draw Bracket and low hitch does away with neck welgh
The Arle revolves with the arums and there is no squeaking
grinding.
The Cages holding the anti-friction rollers are the best yet; they're MADE OF MALLEABLE AILL IN ONE PIECE-no twisting binding of the bearings on the axle of the "Bissell" Roller.
Seat Sprese good features are not all of the advantages of the "Bissell" Roller. Many more cood points are bullt into haem,
making a Land Roller that is
"bullt for business," that stands ullt for business," that stand
alogue.


All Goes Glidingly because Home OIL is a quality oil-best every way -by every test. It took years to prod . Maty


## QUESTIONS AND ANSWERS

 Miscellaneous.$\qquad$
$\qquad$ was going to sow it to plow down he field. Will the fall rye answer the
urpose as well as spring rye? Will all rye, sown in the spring, ripen?
could the fall rye, sown in the epring,
ou cut for hoy and then would it come n again?
Ans-Fall rye, sown in the $\begin{gathered}\mathrm{J} . \mathrm{C} \text {. } \\ \text { spring, } \\ \text { ould make sufficient growth to ploy }\end{gathered}$ should make sufficient growth to ploy
down as a green crop. It is doubtfu
whether it would ripen, except under ver Whether it would ripen, except under ver
avorable conditions. Would not risk
for a crop to harvest. Cut for hay, Wr a crop to harvest. Cut for hay, it
should not be harvested until in the milk,
staco afler which a second crop could stage, after which a second crop could
not be expected. Cut before the shot
blade stage, it might come on again. CORN CRIB.
$\qquad$ wagon shed combined, as a lean-to
against the side of $24 \times 30$ ft. hogpen
I intended building crib walls vertical but have been advised to give outside
wall a slant. What advantage, other
alt han the shedding of rain, is to be had
in slanting crib wall ? Crib is to be $4 \frac{1}{2}$
neat wide only, and slats on outside wall cet wide only, and slats on outside wall
E. F. T. Ans.-There are two serious objections
o your plan, viz., the danger of rats to your plan, viz., the danger of rats and the difficulty of securing satisfactory
airculation of air through the corn. years ago the writer had experience with such a crib as you propose the bura, and
while it kept the corn fairly well when
care was taken to sort out any soft ear are was taken to sort out any soft ears
efore storing, still we would never build
nother of the same kind. For the reaons mentioned above, a corn crib should
e built clear of any other structure, and
ett on posts set on posts protected against rats by
old tin pails or other similar guard. The
better to exclude rain and snow, while
$\qquad$
$\qquad$

## 'rovide a good roof.

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## ALL COME FROM

 THE SAME CAUSEWhy Dodd's Kidney Pills Cured Mme. Dufault's Ills.

Sbe Had Diabetes, Sciatica, Backache and Headache, but ount Speedy Relief aney Remedy. (ial.)-After sulfering for three years from
complication of diseases, Madame Oct Dufault, of 84 Victoria street, this city
is once more in perfect health, and Dodd's Kidney Pills are credited with another Nadame Dufault says: of her cure "Yes, I am again a well woman, and
I thank Dodd's Kidney Pills for it. I
sultered for three years, and I may say silered pains all over my body. I I had
I had
sciatica, neuralgia and diabetes. My back ached, and I had pains in my head.
I was nervous and tired all the time;
there wero dark cirrlos around which were also puffed and swollen, and "But when I started to use Dodd'
Kidney Pills I soon beyan I took thirteen boxes in all, and I think Every one of Madame Dufault's ail-
ments is a direct result of diseased kidneys. That's why Dodd's Kidney Pills
no quickly rured

## 658

THE FARMER'S ADVOCATE

When you reach home fatigued, a cup of
BOVRIL
or a little BOVRIL soup will put you in good trim for your evening meal.

Dietetic experts have shown that the rapid nutritive action of BOURIL is a valuable aid to digestion.

## ACETYLENE

Gives You More Light For Your Money
It's a fact that Acetylene. the softest, whitest, most agreeable light known, actually costs less than light from coal oil lamp! A good-sized lamp,
siving 24 candle power, burns a gallon (20c. worth) of coal oil in 20 hours That's a cent an hour
 costing just half a cen
So you see Acetylene is only about half as expensive as Yet it is a bigger improvement over lamps than they are over the old-time
candle. The light is whiter-better to read by-easier on the eyes. Then there are no lamps to clean, no chimneys to break, no oil to pour, no
dirty wicks to trim, none of the nuisances you bave had to put up with, and many advantages you have never enjoyed.
We'll be glad to tell you just what it costs to put in and run an Acetylene light-
ing system, and how to go about it. ing syste
Write us.
ACETYLENE CONSTRUCTION CO., LIMITED 604 POWER BLDG., MONTREAL.
Cor. McTavlsh and 6th Sts, Brandon, Man. - $\mathbf{4 2 2}$ Richards SL, Vancouver.


Sprays itself with oil all the time it's running
$\mathrm{T}^{H}$ HE self-oiling system starts spraying the working parts of the no glass lubricators that demand continuous attention stop turning. There are oiling system looks after itself. The ool proof and dust-proof casing, en-
closing the and nil gelting on to the floors. Because of the self-olling system, the "STANDARD" runs easier.
There is always a body of oil in the bearings-always oil between the teet

$\qquad$ Company, Limited Head dime and Works: Renfrew, On


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STRAWBERRIES
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FOR SALE

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would make it worth while even
$\qquad$velop fims perfect y with a Kodak fim
Tank, and get better negatives than are
possible by the old dark-roum meihodThe Kodak system gires the ama-teur the wide,t porsble latitude in the
finifinishing of h s pictures: He may use
the "daylight tank ssitem, the darkroom method or mail his films to some
professionprofessional finisher. It's just es he
chooses.

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& \text { Kodal s } \$ 500 \text { and up. Catalog ue free at the } \\
& \text { dealers or by mail. }
\end{aligned}
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CANADIAN KODAK CO., LTD.

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 dind

SEVERE COLD
DEVELOPED INTO
PNEUMONIA

DOCTOR SAID HE WOULD NOT LIVE.
(1) Next to consumption there are more deaths from pneumonia than from any other lung trouble.
There is only one way to prevent preumonia, and that is to cure the cold fust as soon as it appears. Dr. Woods Norway Pine Syrup will do this quickly and effectively.
Mr. Hugh McLeod, Esterhazy, Sask., writes:-"My little boy took a very severe cold, and it developed into puer. I got The doctor said he would not live. Sine some of your Dr. Woods improve right Syrup and he began to improve chlld, away. He is now of it coming back."
and shows no sher
Do not be talked into buying any oth Norway Pine Syrup, but insist on gettus the original "Dr. Wood's." It is put up In a yellow wrapper; three pine tres
trade mark; price, 25 centg. Manufactured only by The T. Milbura Co., Limited, Toronto,

THE NaRME:


## Your Kitchen Walls and Ceilings

You know the trouble it to keep the ordinary kitchen wall and ceilings clean. They get discolored with smoke, dirt and grease stains so quickly, and damp with steam. This makes the average kitchen very unsanitary and a regular, breeding place for vermin.
You can always have a nice bright clean kitchen or room if you cover the walls and ceilings with METALLIC. The cost is very low and when once on is good for a life time. Vermin-proof, fire-proof, and easily kept clean by simply wiping with a damp cloth. Just imagine the comfort this means to you.
тне METALLIC Roofinc METALLIC ${ }_{c}^{\text {combinide }}$ MANUFACTURERS:
$\| 89$ King Street, West, Brameh Factory: winnipeg. Toronto Agents in princlpal clltes.

## ATTENTION! THOSE WHO SPRAY FREE REX BULLETINS

reX lime and Sulphur solution
The original and oldest brand of commercial solution on REX ARSENATE OF LEAD
Guaranteed under the U. S. Insecticide Act of 1910. Send your name and address plainly written, and state the number and

CANADA REX SPRAY CO., LTD.
Brighton,

## Eddy's Silent Matches

are made of thoroughly dried pine blocks. The tips, when struck on any surface whatever, will light silently and burn steadily and smoothly without throwing off sparks. Eddy's Matches are always full MM count Ask for them at all good dealers.

THE E B. EDDY COMPANY, LIMITED HULL, CANADA Makers also of Toilet Papers



THE FARMER'S ADVOCATE We Want To Send Mou
Our Big 112 Page : RE
POULTRY BOOK

The Greatest Poultry Catalog Ever Published This book contains just the information every poultry owner nects. It it not
an ordinary catalog, but the greatest book of common sense poultry facts ever gotten together. You will be astonished when you receive it to find that 75 ot the 112. pages are devoted entirely prepared simply to sell Prairie State Incubators, but to show every one who reads it how to
MAKE MORE MONEY FROM POULTRY For example, the very first articke in the book is "Poultry Possibilities on the
Farm". It shows you how to make a success with poultry raising whether you wish to engage in the business extensively or not. It tells you
$\qquad$ How to Seloct Breeders, Layers,
How to Feed Layers.
How to Fatten and Feed Chicks How to Fatten and Feed Chicks. Poultry Buildings.

Lamp or Fireless Brooders.
iseases - How to Prevent and Cure.
What Systems are Best and Many Other Important Topics.
Na catalog ever published approaches th
poultrymen conduct their poultry farms, gives



It's the Farmer
 guns. Th
city man
arto get of manages once or twice a year to get of
for a day or so shooting, the farmer' bunting season knows no limit but the
game laws. And crows, hawks, foxes gand weasels are al was his game.
The farmer usec his The farmer uses his gun for months,
where the city man uses it for day That's why he wants a gun that will "stand the racket" of hard usage. Th

## stimpian

 and lightest for its strength on the market
Has few parts, and
 Woodst - pe maiciliNis服 DRODUAE CO.
Butter Eggs Foultry Honey Beans Apples Potâ̂oes, etc Our constantly grownf
large supplies of choi

[^4]57 Front St. E., T

 Wi ite for bookle
the canada producer \& gas engive co., ltd Barrie, Ontario, Canadn James Rae. Medicine Hat; Canada Mac
Montreal; McGusker Imp. Co., Regina


STYLE BOOK FOR 1912 OF "Quality Line" vehlcles and harness EIGHTEENTH YEAR OF SELLING DIRECT TO THE USER.
 INTERNATIONALCARRIAGECO. Dept. "A," Brighton, Ontario.

## PAILS

NEW AND SECOND-HAND Cut to Specification for any Purnos
john J. gartshore, 58 WESt FROM strfet.

QUESTIONS AND ANSWERS Miscellaneous.

SEEing A will.
as

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$\qquad$ Ontario. youna subscriber.


 2. They showd Es to tho Executor
3. Theere ubit not to to any coats in infringement of patent.


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one. what
Ontario.
Ans. 1.
2. No. $\qquad$
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## APRIL, 4, 1912

YHE FARMER'S ADVOCATE


Gasoline Engines
are built in six sizes, from $1 / 2$ to 16
h. $\cdot$ p. Adapted for stationary,
 surfaces and up-to-date
constructicn throughout. Get prices and cataogue from our
Canadian agents.

## BATES \& EDMONDS

 MOTOR COMPANY Lansing, MichiganA. R. Williams Machinery Co., Limited
Torento, Ont. St. John, N. B.

Have City Conveniences $\mathbf{R}^{\text {EPLACEE }}$ dhe pestilent

"Tweed" Closet sanitary and odorless

 The Steel Trcugh \& Machine Co.. Ltd. Dept. 102

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## CANADIAN NATIONAL HORSE SHOW

April 30, May I to 4
Prize list now ready. Entries close doUglas young, $123 \begin{gathered}\text { Bay St., Toronto, } \\ \text { REpocebo Rallwav Rates }\end{gathered}$
${ }_{\text {to }}^{\text {How }}$ GET BETTER LIGHT From COAL OIL (Kerosene)
 OHE LAMP or BURNER FREE

questions and answers.

liniment thesesciptinn for good, strong
reduce all swollumaliay innaminuation 2. Mare had scratches, but they ar
cured. Her hind legs are ssollen.
3. What are the prices of Dr. Morill
Genernt Sit S. What are the prices of Dr. Merillat's
General Surgical Pathology bonk Vet
erinnal erinary Surgical Operations book, and
Dentistry and Diseases of the Mouth
book? Ans.-1. No liniment will allay inflam-
mation and reduce all mation and reduce all swellings. The
following makes a good stimulant lini-
ment: Two eunces ail ounce liquor aunmesia fortier, 2 ounces
spirits of camphor, and alcohol to make a pint. Any strong liniment will blister
if frequently nuplied with smart friction.
In case of inflammation and swelling, the In case of inllainmantion and swelling, the
inflammation should be allayed by re
peatedly bathing with hot water, and ap peatediy bathing with hot water, and ap-
ryling a cooling lotion, as 1 ounce each
of sulphate of zinc and acetate of lead
to io a pint of water before the liniment
is used. 2 drams ginger. Give regular exercise,
and keep bandages on when in the stable, The application of liniments is not wise
in these cases.
3. We have never heard of these
works. Wa

Miscellaneous
WESTERN OATS FOR SEED. Will Western oats used for seed in on-
$\begin{array}{lll}\text { tario. give full yield first year? } & \text { C. C. }\end{array}$ quality, and clean. 1. Would you advise sowing alfalfa
the spring on fall wheat, and
 3. I also have alout three acres of
clay land that I would like to try alfalfa on. It is fall plowed. Would you ad-
vise working this land down in the
spring to a good seed-bed and sow alfalfa alone, or with a nurse crop?
is free of weeds. I intend top dressing
with the woads to the acre of stable manure
loand
What time would you think best Ans.-1. Some fair results have bee obtained by sowing allalfa on fall wheat
but, as a rule, the practice is not to
recommended recommended. Some sow on the sno
just as it is gring off, and some sow
later and harrow. To get a good stan of ulfalfa, it is generally found advisat
to sow the nurse crop rather thin. ound to be too thick for best result deeply covered than recd clover seed. th age the wheat crop. It is often prac h by seerlinus alone and with a a


How Would You Build a Barn?
XX $\begin{gathered}\text { HERE would you put it? How ble should it bef } \\ \text { How ought it to be arranged inside? } \\ \text { sion would there be for storing crops? }\end{gathered}$ sion would there be for storing crops? How would
you provide for convenient feeding; for removal of you provide for convenient feeding, for removal of
mande, for easy access to stalls, store-rooms, hay-loft and
feed-bins? What materials should you use-for found-feed-bins? What materials should you use-for founda-
tions, for framing, for siding and for roofing? tions, In short, how would you plan the building so as to get
the greateat possibio barn value out of the money and
labor invested? labor invested?
These are ${ }^{2}$ few of the questions you must anower They're all answered in our handsome free book,
"How to Build a Barn"
This book contains complete plans and specifcations for all varieties of barns. It is written for Canadian
farmers, and every barn described is designed for Canadian
 "ideas"-the: are carefully-prepared architect's specifeal
tions, expressed so plainy that anyone can understand tions, expressed so plainly that anyone can understand
them. Dimensions, requirements for materials, method of erection and all other detalls are carefully explained
Drawing show nioor plans, front and aido elevations and The book also describes Gak Steel Shingles-the shingles that are lightest most easily placed, that do not
require painting, are fire-proof, lightnigs-proof, raln-proot require painting, are Are-proof, lightning-proof, raln-proo
and wind-prool. The book was published to sell at so cente. But we've
decided for a time to send a copy free to any farmer whe writes for it name and addren to-day. The book will GALT ART METAL COMPANY, LTD.
${ }_{154}^{150 .}$ Stone Road, GALT, ONTARIO branchrs:


The Engine That Anyone Can Run
Avoid engine difficulties that only an expert can soive, by buy ing
the simp.e, strong, steady
STICKNEY GASOLINE ENGINE Most dependable, easiest to run, for all farm purposes. Write for
our free book about it.
Ontarlo Wind Engine \&. Pump Co.


Put Your Savings Into a
"BUCKEYE" DITCHER
$\mathrm{M}^{\circ}$
NEYY invested in one of these
steam or gasoline traction ditchers or brings big relurns. Owners of "BUCKEYE"
DITCHERS are making from \$15 to $\$ 18$ a day, nine to ten months during the year, digging ditches Every farm-owner wants ma-
chine-made chine-made trerches, because they
are perfect to grade, belter and are perfect to grade, better and
cheaper than hand-made ditches. You cankeep a gasoline or steam
power 'BUCKEYE' busy tenhours every day comp elitg contracts,
which are easy to secue. Send for Calalogue T, which tells What farmers and others are mak-
ing with one of these machine You can test the machine three
days on your own land without

The Buckeye Traction Ditcher Company F.NDIAY, omio

Molstein Bulis for sat



QUESTIONS AND ANSWERS Miscellaneous.

GUM-FIRMS-ENGINE VS. WINDMILL.

1. What are the names of some of the
cement manufacturing firms who did not cement manuach?
enter the merger ?
2. Is chewing of good gums, such as
Spearmint or Red Jacket, etc., injurious in any way to health, or is it beneficial,
as the advertisers claim? as the
3. Kindly acquaint me with the names
of some firms or establishments who would buy a considerable quantity of beans, also honey
4. Which would
5. Which would you advise me to pur.
ase for farm work, pumping included chase for farm work, pumping included
a power windmill or gasoline engine? Ans.-1. Write the Provincial Secre
tary, Parliament Buildings, Toronto. 2. Chewing gum, or any substance,
stimulates the flow of saliva, which con stimulates the flow of saliva, which con-
tains active ferments which aid digestion.
We doubt if long continued whether it We doubt if long continued whether it
would have any beneficial effect, and as a
halit it is not of health improvement.
6. Wholesale seed or fed houses should
handle the beans, and honey can be sold handle the beans, and honey can be sold
to large grocers. The only place we
give give names of business firms is through
our advertising columns.
7. Wind power is always the cheaper but it is not so dependable as the en-
gine. On the whole, we would recommend the
tages.

INFECTIOUS ABORTION I am satisfied that I have contagious
abortion in my herd of pure-bred and
high high-grade Holsteins, and I would like
you to please answer the following questions in your valuable paper: :

1. How long after aborting would it be safe to breed ?
2. What can be done to stop cows
alorting the second tiwe aloorting the second time?
3. Where it is impossible to separate
infected cows from others, how would infected cows from others, how would
you prevent further spread of the dis-
ease? 4. Would cows from this herd that
have Gone full time be likely to carry
the disease if taken into another herd? the disease if taken into another herd?
4. Would it be safe to take heifer
that have never been bred into anothar Ans.-1. You have to deal with the the
most insidious and most to be dreade distense that Canadian cattle owners hav
to face. Practically nothing positivel Asc, although cortain measures are usual-
ty reconmended. is a rule, after tw self out, the infected animals wecoming
minnume. Short of this, about. the only Morting cattle. with segregation of the
hisinfectionsures.
antl antispepsis such as whit wishing of stables, washing floors and
lower part of walls thoroughly witl
strong creolin cullutan Ind daly, or twice daily, spraying on and pregnant fomalas, also of the bull
arting cows should 1,0 thushed out with t too stronge, olse severe straning whin


Making an Extra Profit
Like other keen farmers, you are after extra profits. Rich land pays you an extra profit over poor land. It pays well to keep cows on wheat, fruit and an extra profit
the land. High-producing cows pay you an over average cows-and the high-producing

## SHARPLES

Tubular Cream Separator will pay an extra profit no other separator can pay This is because Tubulars have twice the skimming force, skim twice as clean and produce the finest
velvety cream. This extra Tubular profit appeals strongly to shrewd dairymen and business men. One instance, out of many, is the Free Masons' Home shown above, which is located at Windsor, Nova Scotia. Rev-well-known creamery, discarded a disk machine for the Tubular. The simple,
sanitary Sharples Dairy Tubular, which contains no disks, is the machine which sanitary Sharples Dairy Tubular, whiche and its guests.
does the work for this well-known home

Remember that the oldest separator concern on this continent
Rively guarantees Tubulars forever. Write at once for Catalog 193


## TOUR CROPS

can get more nitrogen out of one single sack of

## Nitrate of Soda

than out of a two-horse wagon load of manure. The Nitrogen in Chilean Nitrate of Soda is $100 \%$ available is immediately so the day you apply it! It produces

More powerful growth and healthier, bigger plants. Easy to handle, clean, cheap, odorless, free from fillers.
Write to us for valuable free literature on the crops that mean a living to you. A post card will bring it to you.
Dr.William S. Myers $\begin{gathered}\text { Dlrector of che chleun } \\ \text { Propaganda }\end{gathered} 17$ Madison Ave., New York
branch offices


## Seed





 it. A windmill would be entirely to
weak for the purpose.
W. H. D stailitons for service. tamaly phatish where the vest Hack nees
 and


 landiord Selling
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he burpain, betore A and two other
A has sold the farm now
"illosses.
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DR. HESS STOCK TONIC


INSTANT LOUSE KILLER KILLS LIGE

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Messrs. Hickman \& Scruby COURTLODGB BGERTON KBNT, BNGLAND Live Stock of all Descriptions.
 dalee, Suffolka, etc., and all those who wish to buy NOTIOE TO HORSE IMPORTERS GERALD POWELL
Commission Agent and Interpretor
Nosent Le Rotrou, France
Will meet importers at any yort in Preance or Bel. Freench Coach horree
ping, bankiog and pedigrees. Mant Many yearsi exper
 For Sale: Imp. Clydesdale Stallion
 Thoma-: Can seseen get ollan Baker's Grens.
ville P. O. Ont. Dundas sta.. G. T R. 1 mle.

## minister.

Suffered With Nerve Touble For Two Years.
was IMPOSSIBLE FOR HIM TO SLEEP
Mr. Chas. W. Wood, 34 Torrance Greet, Montreal, Que., writes:-- Fo wo years 1 suffered with it was impossible for to sleep It did not matter what time I went bed, in the morning I was even wors: than the night befor
doctor, and he
old trouble
than before
gave me half al
and Nerve Pills.
and Nerve Pills. I took th
and before $I$ finished it I ce
${ }^{\text {sleep from }} 10$ p.m. until 6 a.
feel good. $\begin{aligned} & \text { The price of Milburn's Hea } \\ & \text { Nerve Pilig is } 50 \text { cents per box, or }\end{aligned}$ : Nervep $\$ 1.25$. They are for sale a receipt of price by The T. Milbura Co Limited, Toronto, Ont

QUESTIONS AND ANSWERS. Miscellaneous
BUTTER FROM BUTTER-FAT Does a pound of butter-fat make
pound of solid butter ?
D. M. Ans.-A pound of butter - fat shoul
make, on the average, tbout 14 pound of butter, after allowing for usual per
centage of loss in skim milk and buttermilk. LAME MARE
We have a driving mare, rising three
years old, that was driving and goes
lame and swells on pastern joint. Would it be wise to blister it or not; if so
what*kind of blister ? SUBSCRIBER Ans.-The description of the trouble sure in diagnosing the case. The ques ,

:

DOUBLE CUTAWAY DISK.
Would you kindly let me know what
you think of the double cutaway disk

## sarrow as a machine for preparing sed-bed, and whether it is heavy as draft. Would two horses haul it,

 . Ans.-We wonder where you saw thatwe have been using such an implemen we heve been using such an implemen
at Weldwood It is entire news to us.
In our last Christmas number we illus trated a double cutaway disk in connec
tion with an article by J. H. HGridale
on "The Large Implement as a Labo
Saver." Prof. Grisdale speaks highly Saver." Prof. Grisdale speaks highly of
it, but for ourselves we have no practica
knowledge urent peals as being a means of providing fo
effective work by four horses handled by a single teamster. $\quad$ RASPBERRIES-TOMATOES

1. For the past few seasons I ha
made a hotbed every spring. I sow
tomato seed in it usually the first. tomato seed in it usually the first
April. When two inches high I trans
plant, allowing each plant four sept plant, allowing each plant four square
inchess. My plants are good, but they
usually vet about usually get about fourteen inches high
before it is time to plant them out.
have been advised to nip the tops on them. When and how should that be
done?
2. When is the right time to cut tops

growth is at the tume the first frult
buds appear in the crown of the plant
Nip these out, and keep them out until
the plants branch out lower down.
3. Raspberry pruning should be done
immediately following the fruiting sea immediately following the fruiting sea
son. Shortening the canes to cause
them to make more stocky growth car RYE BUCKWHEAT

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No Water Required or expensive plumbing Easlly Installed anywhere in your home. mexpensive to Operate and Positlvely Guaranteed odorless and Sanltary
rite for catalogue E .
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Stallions! Stallions! Stallions!


HE first chance and the last chance this sea
son for you, Mr. Percheron Siallion Buyer, son for you, Mr. Percheron Stallion Buyer, to
get the goods at the lowest price on record, consid-
ering quality; and as I am cleaning out to make room for new importation, I am offering your choice
rof six perfect horse, at unheard prices. Providing of six perfect horse, at unheard prices. Providing
you come here and take वे look. It will pay you to
come 2, ooo miles to see me on this offer. Remember, I stand on past performancec, and I have a don't forget that. and if you are thin ing ot buying a horse, don't overlook me. Here is an offer: Come
here, take a look, if you dontt buy I will pay your way one way, if you do buy I will pay your way both ways. If you have money or cred you can take home

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3


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lions weighing from 1,700 to lbs.; the mares from 1,6oo to 1,90 In order to get my Weston barn
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early, and get a bargain in a firstclass stallion or mare. particulars write:
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izewinners. We still have a dew $P$ stallions to offer, among them being the stalions to offer, among them being the
frit-prize three-year-old at the Toronto
Exhibition last Septemer and Exhibition last September, and the firstRegina, last August.
We don't sell all our best horses first, and can show intending buyers ton horses
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ydesdales, Stallions and Fillies, Percheron Stallions

from the champions, $\qquad$
Mount Victoria Stock Farm, Hudson Heights, P. O

 $\substack{\text { Hetuce } \\ \text { Hanace } \\ \text { manaed }}$
oUESTIONS AND ANSWERS.
Veterinary.
 has been there for three month. A. . scab
Corus, Nut gets rubbed of.
 or three or four days. Then dress three
times daily with carbolic acios part.
simeet oil $2 t$ parts, until healed sweet oll 24 prats, until healed. IV
necessary, apply the butter of antimony
again. That is it the again. That is is the healing process
does not continue, it indicates that there are granulations that must be removed
ly a c caustic, therefore apply the anti-

## ERYSIpelas

 tion? If she foals 1 get her ing in cond
milk trom the diseased half the
ma Ans.- This was a torm of erysipelas to
$\begin{gathered}\text { Which pregnant mares appear to be sub- } \\ \text { tect }\end{gathered}$ ject. In order to buld her up, tee
liberally on bran, chopped oats, and little linseed meal and grod hay. Give
her regular exercise.
Give her 4 drams her regular exercise. Give her 4 drams
hyposulphite of soda three times daily in damp food. Dress the affected parts the skin three times daily with carbol acid 1 part, sweet oil 35 parts. It is
probable that she will have recovered Irom the skin and muscular trouble be
fore fonling, and she should improve in HEAVES-TUBERCULOSIS. 1. Horse is very fat. He has been
working occasionally all winter. After standing in the stable a week I took him
out, and after going 1 it miles he gave draw the sleigh any farther. He eat
and drinks well, but breathes heavily a the time, and if exercised becomes
hausted. He coughs a little, and d
hat hausted. He coughs a little, and
charged from the nose once or twice. 2. Do horses take tuberculosis, an
what are the symptoms? 3. Do you think he has tuberculosi Ans, -1 . The symptoms indicate heaves,
which cannot be cured, but the symptoms can be relieved by careful feeding. Aly Feed so as not to overload the stomiach. Sive small quantities of good hay or
cean straw, and rensonable quantities of oats. Dampen all he eats with lime
oats.
water, made by slaking water, made by slaking a little lime, then Allow it to standtirring thorough and the clear water on top is the "lime
water." Give him drams solid extract of belladonna, 1 and 30 grains digitalis, mixed with sufficient oil of tar to make plastic. Rol
in tissue paper and administer as a ball or dissolve in a pint of warm water and
administer as a drench. Give him daily exercise in proportion to what he ca
stand. By feeding largely on grain wit
litule bulky foud, the stomach will not 1.wcome engorged, and he should be abl
to take some exercise, and improve dail
$\qquad$
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$\qquad$

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## TMA㒄屋 <br> Cream Separators

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you under no obligation to buy you under no obligation to buy You may have a copy of our latest catalog, too, if you'll jus write our nearest office. $\quad 3$


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 expressed in our booklet. Samples of the raw materials may be seen on the
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supply you with these raw materials if you preter to do vour own mixing the economy is doubtrul, thawever.) We pay frelght on all orders of 200 tbs f.o.b. factory. Praynuc in of the tarlo and Quebec- all other quotations dealer happens to handle demand Davies, and it he inn " "up to date in the
Fertllizer Ilne," order diremt from us. It will cof wint our money
yourt food. Increase yo.
writing us for our assit.
The WM, DAVIES COM
anto, Canada

[^5]CHEA

QUESTIONS AND ANSWERS Miscellaneous

FREE TREES FOR WOOD-LOT. To whou should one apply for informan
iton as regards free trees to set out in
it . Wh. Ans--Pror
Cuelph, Ont

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meals of foreign manufacture when you can buy CALFINE 15 to 20 ollars a ton cheaper and secure at
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of the breed. Show stock in show condition of the breed. Show stock in show condition
specialt. Bred on the most poular lines. Thos.
Broadfoot, Fer Sus sta. Wellington Co. WILLOW BANK STOCK FARM Shorthorns and Leicesters and
and
 -a few imported ones $\begin{aligned} & \text { to offer. } \\ & \text { JAMES DOUGLAS }\end{aligned}$
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tallino for sale, and the Leicesters are doing
A. plndidy . SMITH. Maple Lodge, Ontario Shorthorns of Show Calibre Only one bull for, sale now, but 13 grand
heifers by Milidred. R Royal must be sold as
we tave no bull to breed them to. Come GEO GIER $\delta$. SON. $\qquad$ Grand Valley, Ont SPRING VALLEY SHORTHORNS Ierd headed by the two imported bulls, Newtor
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Miscellaneous.


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 are well gone in calt to him.
amongst them.
FDWAR M Mrif





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4 months. CivDESBALES-Ore mare in foal. one filly rising thince, two fily foals Mection invited. C. P. R. Sto. L.-D. 'Phone. John miller, JR., Asthburn, P.O.


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 Station Que．Totephoo in inotack Farm High Grove Stock Farm
 ＂Binks used to bo datt on the subjeet
 Asiain minor to try to ind the hlace
where methuselah stored
his birthay mhere
presents．
s．
If you want to oring up a chitd in tho
way he should go，you
und better sutule
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intantly removes ditt，tains and odor
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AND UP－ AND
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## 




## Gossip．

 tory trade in Herelords．The extreme
hardin inses of hardiness ot Hereford catuer and thei
ability to thrive where most othere beef ablity to thrive where most other beer
breees would fail， 1 s．being beter und
 this old relable and most popular Ena
Hish breed of cotlle．The orchard Bead herd is one of the oldest establisted
herds in in Canada，the present owner hax


dented demenand teperts of an unprecee breading Clysumadales coun weter collase hand The It est in trom Joon semplut

 breeding that has produced Scotland
best，and in this horse the Messrs．Wit
should should have a topper of the tops as
sire，as he has both the breeding an
high－class ind High－class individuality．To Wilmot thick，smooth，good－riblued horse，Cam
bushinnie Crest（imp．）．He is a four
year－old，sired by the pupular breedin horse，Baron Ruby，dum by the great
Prince of Albion mentioned above．Th
horse should certainly
do well horse should certainly do well in th
Fastern district of Ontario．His styl）
carrage and splendid quality of unde

## olan dan darkai w．$A$ Vap Henge

Blatchford＇s Calf Meal－The Perfect Milk Substitute Threce or four chalver can be ravaed on it at the coot of one where milk 1 fod No mill feed The orly calf meal manufactured in an exclusuve Calf Med Focever STHELE，BRIGGS SE円D CO，ITD．



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$\qquad$ The most proftipble dairy breed greatest
incize mill．buther－fat and in viatily send for
FREE illustrarea descriptive beokiets


QUESTIONS AND ANSWERS. Miscellaneous.
alfalfa on hillside I have about one acre and a hanl
side hill which is quite gravelly, and present seded down. Would it the
visalue to plow it this spring andi down whe anall land. It would likely be advivisult you break up the hillside in order to sou
it to alfalta, to work it for a seniso grow some hoed crop, giving it ous. gooli
dressing of barnyard manure. The could be sown the following spring wit
without a nurse crow or sown this year in midsummer, after thorough fallowing. It would also be
advisable to inoculate the seed with cult aure, supplied by the Bacteriological Do vartment of the 0

IRON PYRITES
A child at play found a pretty stone:
rough, but about the size of hen's egg. It was filled with bright
specks, and the child put it in in specs, and he chid put it in a large
spoon in a hot wood fire. In only a few minutes the spoon was found to contain
a small amount of bright yellow inetal Q mass seen by older members of the
mily, but unfortunately was lost while than half a teaspoonful, heavy, and very
bright. Would this metal be gold, or are there other yellow metals so easily
melted? What is the law governing the finding of minerals?
Ans.-The mineral was probably iro
pyrites-sulphide of iron-when melted left a yellow trace on the spoon, but was any other metal found in this part of the This form of iron is quite common in the dritt. The law governing minerals de
pends aliogether on the wording of the PROBABLY RINGBONE of tore feet. just below the hair. ${ }^{\text {Hen }}$ Heels when travelling on hard road, and in 1. What is the trouble with her of her 3. Kindly prescribe treatment
SUBSCRIBER nns.-The symptoms indicate ringhone
(lip the hair off the parts and rub well cury two drams, cantharides two drams days. Tie so she cannot bite the parts. On the third day apply sweet on repeat times, allowing three or four weeks be erinarian. Obstinate cases require firing and blistering, performed by a competen
veterinarian. She may have some othe veterinarian. She may have some othe
trouble. The pointing indicates navicutar disease.

STAGGERS IN PIGS What is the trouble with my pigs, and
how can 1 treat them? I have a pel of 14 , about 10 weeks old. They have
aren weaned about three weeks. When trough, and the moment they get
mouthful or so of food, they will tumble quisering a sereral of a fit and lay there trough and eat a hearty meal. Every (hink time three or four will take these ding them on milik and shorts. ${ }^{\text {an }}$ ii. and they seem to bleed an immen:
$\qquad$
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$\qquad$
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Fairview Farms Herd wavem

E. H. DOLLAR,

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 siderably morowhite than blak, and nic ly marked. Sice
Sit ald be eeady for light service soon. First check
of $\$ 45$ takes him.

The Maples Reeorcior Molstein Herid

 We over 25 lbe butter in 7 days Evergreen Stock Farm offers a choiee lot Ererice, from high.testing, de p-milking Record of
Merit ancestora. Also a few female for sale. Herd

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We stand ready to prove it on your
own cows or no sale. Mr. Hent. own cows or no sale. Mr. Henry
Fielden, Supt. Branford Farms, Groto Conn. where some of the highest priced Guernsey cows in the world are milked with a Sharples Milker, writes:

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has the "Teat Cup with the Upward Squeeze,' which pushes the blood back with each pulsation, overcoming the stumbling block of all former mechanical milkers. It leaves the teats in a perfectly normal condition, the same as after hand milking. The cow is treated so gently she enjoys it, and fears no injury, no abuse. She stands, perfectly contented giving down her milk more ereadily and more freely than when milked by hand. The yield is increased-your dairy profits grow. Read this letter from Hon. Wm. C. Sproul, Chester, Pa.


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On the Sunny Pacific slope, where the winter lasts
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few choice lambs and shearlings, on hand hat Angus Cattle
 ROBT. McEWEN, B) ron, ent.


THE FARMER'S ADVOCATEE

QUESTIONS AND ANSWERS Miscellaneous.
cellar for silo-chess. 1. I would like very much if you would
kindly advise me in the manter of silo Would a root cellar, floored and double
Uned all around ansuet he lined all around, answer the purpose, with
proper ventilation. Would it be better

$\qquad$ on The Farmer's Advocate" are under
the impression that damanged fall wheat
will crow chess. or will it prow chess will grow chess, or will it grow chess
under any circumstances?
D. $S$.
$\qquad$ day to prevent oss siage be remomed spoling, and

the average root cellar has | surface to perinit of this. $\begin{array}{c}\text { has } \\ \text { Besides, to }\end{array}$ to much |
| :---: | make the best silage, it is necessary to

get the material ensiled thoroughly packed
and settled and settled. This can only be accom-
plished in an upright structure of com-
paratively small diameter baratively small diameter. Trouble would
be found in preventing molding in silage in a cellar. The project is not feasible.
Air must be excluded, thus ventilation is
impracticnble impracticable. Better build a silo.
2. Some people believe that when 2. Some people believe that when
wheat is winter killed, much of it turns
to "chess," or "chent," times called. This is not the come.
Wheat never produces chess, and to get
it it, it must be sown. When the wheat
kills out, the chess, being hardier usually survives, and stools or tillers greatly
because of the abundance of sunshine and olant food it gets. This leads many to
pelieve that it is wheand believe that it is wheat, changed through
winter injury, as much more of it is pro-
duced than appeared in the seed sown. INTEREST-UNTHRIFTY MARE -ALFALFA-ORCHARDPROPERTY

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| ge |  |
|  | MapleGrove Yorkshires <br> ARE EQUAL TO THE BEST. |
|  | Present offering: Twe.ty-five sows bred to bred to farrow rom Aug. to Oct . AI hirs-class, bred to No. 1 quality boars. |
|  | All big, roomy, growthy stock, and |
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| C. P. R. and G. T. R. $\quad$ Long-dietance phone. | ing, and vounger pigs of various ages. Pairs not |
|  | but are consistent with the best quality. Stock shipped C.O. D. and on approval. Correspond- ence and personal inspection invited. Long-distance |
|  | ence and personal |
|  | H. S. McDIARMID, FINGAL, ONTARIO. |
|  | Tamworths and Poultr) $\begin{gathered}\text { We can supply } \\ \text { Tamworth } S \text { wine }\end{gathered}$ both sexes and any age, bred trom the champions of Canada, show stock a specialy Also Toulouse Geese, Pekin Ducks and S. C. White Leghorns. D. DOUGLAS \& SONS, Mitchell O Ontarto. |
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[^3]:    Imp. Stallions and Mares
    

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