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## Vol. XLVI.

LONDON, ONTARIO. APRIL 27, 1911.


## Brantford Roofing

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YET IT COSTS NO MORE THAN MERE ORDINARY ROOFING
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There are three kinds of Brantford Roofing. Each exactly suit some special roof-need or climatic condition. One is ASPHALT with a silica sand finish-wears like steel. Another-canced rubbery finish. Crystal is surfaced with -defying rock-crystal. Thiree weights in each come to you for asking-and the book comes along. Roofing Co.lto. BRANTFORD CANADA iMade to meet a standard, not to meet a price

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profits, and the health of cows, it is far
more important that your
barn be
Equipped Right Inside. have it just right for the comple
Cleanliness. Comfort and Contentment of the cows means


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[^0]Fergus, Ont.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

AVES Down and Tangled Grain the Deering Binders the guards tilted to so that the me ground without pushing trash ahead of the knife. This is why you can make a $100 \%$ harvest with a Deering Binder. The reel can easily be adjusted high, low, forward, or backward, to save grain in all conditions-short, tall, stand ing, down, or tangled. It can be shifted quickly to push very short grain and green undergrowth from the guards to the platorm canvas saving the time aly annoyance of stopping frequently clean the guards.
The Deering third packer, reaches up close to the elevator and pull the grain down to the other two packers, preventing the grain from lodging there. The shape of the needle and breastplate is such tha straws are not pulled throug to ging at this point

ASTERN CAMADIAN BREANCHES: Interational Harveter Company of Amer
NTERNATIONAL HARVESTER COMPANY OF AMERICA


The third discharge arm on Deering Binders is very effective in and in addition to this it assists in separating the tangled grain of the bound sheaves from the unbound grain on the binder deck. The
binder shifter lever, directly in front binder shifter lever, directly in frate
of the driver, is convenient to operate. of the driver, There are many other features of Deering Binders which you ough
to know about. The Deering line of to know about. The Deering machines and tools is also well worth your consideration. The Deering agent in your town will tell you all the facts.
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All Other Kinds of Cream Separators Are Being Rapidly Discarded For SHARPLES DAIRY TUBULARS


That is because Tubulars are built on the latest principle of construction-the only known preme parts, and the many disadvantages of other separators. This principle is patented and cannot be imitated. That is why other
separator makers still use the old principle we abanseparator makers stin ago.
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## \$3,600 in Cash Prizes for Farmers

## Tell Us How You Did It

You may win a prize by doing so

CUPPOSE your friend Bob Wilson, on the next concession, ""pulled up" at your front gate on the way back from market and asked about the hill wouldn't you? And it built, you would be glad to tell him, it? And, as a matter wouldn't take you long, eithleasure telling him as he would in of fact, youd find as much pla listening-isn't that right?

First you would take him over to view the silo or bar foundation. Then you would start to desciortions of cement sions-the kind of aggregate used-the prof hours' working used-number of men employed-nin forms used-metho time required-method of mixing the job cost. So that of reinforcing, if any - and finally, wilson would have a pretty by the time you finished, neighbor building the particular piece accurate idea of how to go ab.

Now couldn't you do the same for Now couldn't you do chance of getting well paid for your that

Prize "D" of our contest, open to the farmers of Canada we offer $\$$ Ioo.oo to the farmer in each Pe description will furnish us with the best and most cork shown by photoof how any particular piece of concrete work described graph sent in was done. The size thing to remember makes no difference. The only important and "CANADA" is that the w Cement used.

In writing your description, don't be too particular about grammar or spelling or punctuation. Leate it to your neighbor. folk. Tell it to us as you would ell clearly told.
What we want are the facts, plainty and
your while when you think of the reward in it is

Now sit right down take your pen or pencil-fill out the and write for
 first contest of the kind ever held in Canada.

Every dealer who handles "CANADA" Cement will also be given a supply of these circulars-and you can get one from the dealer in your town, if that seems more convenient tha writing for it.

N 19 all photos and Contest will close November 15 , to be eligible for one descriptions must be sent in will be made as soon as possible of these prizes. Awarcions will be made by a disinterested thereafter. The following gentlemen having consented to act committee, the jury of award: Prof. Peter Gillespie, Lecturer Cor us, as the jrystruction, University of Toronto ; Prof. W. in Theory of Constructions Agricultural College, Guelph, and Ivan S. Macdonald, Editor of "Construction.
compete for one of the prizes, your first Having decided to con the information you can on the substep should be to get all ject of Concrete Construction on the Farm. Feed are contained in of the pointers that anyone can possibly ned What the our wonderfully complete book, en lare number of Farmer Can Do With Concrete. A for and obtained. Canadian farmers have already sent you got your copies of this FREE book. Hav for one to-day. copy yet? If not, youd better send for of our Whether you are a creally ought to have this book prizes or not, for it contains a vast amount of information and hints that are invaluable to information
ill in coupon and mail to us.

Canada Cement Company, Ltd., Montreal

Not
What You Earn
But

## What You Save

is the measure of your success.
Small earning power is often more Small earning power is often more
than balanced by a habit of saving. In the struggle for independence the man who saves-even a little-
is far ahead of the better-paid man is far ahead of the
who saves nothing

Be Independent
Determine to save a little steadily.
It demands far less self-denial than It demands far less self-denial than you may ind
cumulation of
Compound Interest increases your savings more rapidYou can open an account in this old-established, strong, safe inst
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## Vol. XLVI.

## EDITORLAL.

## Manitoba now follows saskatchewa ny inaugurating an alfalfa campaign.

$\$ 11$ I know of Canada is that the best people of my constituency of Can anada is that the best people
farm of 225 acres near They had sold their own
offer $\$ 18,000$ for it. They property in the States for $\$ 35,000$. The owner had, however, some time before concluded a
in regard to the farm. The lawyer who gave us this information said that these gendoining townin all likelihood purchase and he hoped they would, for they were of a
ine type. Hiram: Pettit, a brother of Morley Pettit, Pro intmont (Ont.) Times from his home in cal unia, where he is engaged in growing oranges ${ }^{1}$ grapes, says : Ont. (where Mr. Pettit was rmerly engaged in farming) is just as good ande country as the far-famed apple district were rounger man, with the knowledge I fruit-growing, I would 50 acres on the 8 th conces


LONDON, ONTARIO, APRIL 27, 1911

## The Spring Deluge.

Saturated soils, swimming fields, and transient torrents, sweeping away good surface soil to en rich some distant river bottom, repeat again the lesson of the tile and surface drain. Nature does heed last year, she tells us again in the spring, of 1911, and will ive us another object-lesson in 1912, anc will gost invariably, the early-sown grain 1912. Amost invariably, the That is conceded and yet we postpone putting down the tile drain thus losing probably eight or ten days in getting upon the land, and bushels galore in the harvest ing. In a waterlogged condition, the soil cold and stiff, frustrating our efforts to prepare a proper seed-bed in which the grain will have a chance to germinate and develop. Another pres ing reason for attention to drainage is the creasing practice of spreading manure upon tabor fields in the winter season, in ordard heating and and avoid fairly level fields, it is not leaching. Even our the roughage of the stable manure floating about like an ark waiting for the subsidence of the waters. As a rule, those who practice this system wisely avoid spreading the manure where there are natural runways, or hillsides. It being no uncommon occurrence a tile drain to pay for itself by the increased crop in one year, surely, with so many other good reasons for doing the work, and adaing so much to the comfort of spring operations, and impleing of "wear and tear to horses and imple-ments-surely 1911 will witness

## Neglected Opportunities

Federal and frovicial cure in Canada provide culturist many samore generally than they are. 111 one need do to become acquainted with the opporturities open to him is to read the agrien
 at the Central Experimenta example, a cherl analyze samples of water from farm wells free of charge. The Seed Laboratory will make examination of seeds for purity, and in case of doubt, will make germination teats, a well. The Dairy Division of the Dominon for partment will supply, free of charge, a service the keeping of individual colurist of the Central inaugurated by the Agriculturist of wishes to Experimintal Farm. Any tuberculosis will be suphave his cows tester veterinarian with tuberculin Illied through hirector-General's Branch, irom the veteriagree to the conditions laid down Comins to the Provincial Department, we note frst that the Ontario and Nova Scotia Agricultural Culleges are sending out, at a quite nominal tural colleges are for the treatment of legume charge, Ontario College has also been developing staff for the free drainage survey or pres owned farms, the only cost to the own beard travelling expenses. at a of the surveyor. In addition Trovincial hepartment, have any of whom will cheerfull answer sensible correspondence, often wion of the most valuable charof the services mentioned should be -ilized widely by Canadian farmers. In this, as
in other matters, we practice what we preach. We have obtained from Guelph enough nitro-culture to treat two bushels of alfalia seed, at a total cost of 50 cents. We have are obtaining Arainage survey ol irm for the keeping of milk records. Our grass and clover seed have been purchased after report from Ottawa upon samples obtained and submitted. We are never backward in asking for a bulletin we want, or, if necessary, consulting public servants concerning points in their respective spheres about which we wish infore estab otherwise obtainable. These services they are lished to be used. The dian agriculture, and used, the better for cosperity in gener thus, indirectly, for canauner any obligation in al. No one need feel undm such sources. Rather availing himself of cousness of knowing that he may have hisportunities as a citizen, he is by imprating the welfare of the whole community Take cheerfully of the help and information freely on tap.

## Bovine Tuberculosis.

our cattle. There dread dseds in eyes to this: it is is. ing. Just how prevalent it is, and what meas ures should be taken in regard to it, are problems that should be faced and solved. The possible menace to public health from the use of tuberculons beef, or the milk from tuberculous cows, while in some quarters overrated, is not to be ignored, and the prevalence of tuberculosis in hogs is caused ulmost wholly, if not aing fed their by following diseased cattle or by being fed the a milk. The question of es also involved. Teor of an animal suspeo like the cointerfeit money which the good deacon abhorred The apulication of the tuberculin test to animals pronouncid diseased by experts has been known to be resisted on one pretext or another-but really for fear of the financial loss that might ensue intil death from tuberculosis has supervened. There is some excuse for such conduct, in view of the fact that the owner himself has to pear al the loss, and it will be repeated so long as tha is the casie.
But is it not time that many of our more wealthy farmers and stockmen should take up this matter individually. Public spirit shows itsel in being ready Commission on public good. The Internaberculosis, whose excelthe Control of ber the ent report Ceneral, Ottawa, say in this report that ". The owner's co-operation in this work is a cery essential feature of this great task." But they go further, and state that "It is a well thown fact that any voluntary method of sup pression by the herd-owners themselves would bring about better and quicker resuls than wh, compulsory measures are enforced apon is Loyalty is often loudy proitly practiced.
way in which it can be quietly practiced. A significant inference can eferred. It is to the report the importation of wellbred cattle from Furope, for the purpose of imMoving the native stock of the here. Following the statement from which the above infer-
the Farmer's Advocate and Home Magazine.
the leading agricultural journai N THE DOMTNION
pubitished werkly by
the william weld company
Asonto tor "The Furmertide Adocate and Home Jourral,












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 Fo are anmy peeag do




Adress -THE FARMER'S ADVOCATE, or
THE WILLIIAM WELD COMPANY (LIITRD),
ence is taken, and in view of the sources from which infection has come in the past, the report says that, in effiorts to detect the farms of the culosis that exist to-day upon fall be directed country, attention may first on cattle, whether of beef or dairy type; also herds where improved stock has been used for grading-up purposes. stock has been used for grall dairy cattle."
"Next in order should come all Is it unfair to say, in view of these opinions, that tuberculosis is an indoors disease? The other day the writer called at the city home a year ago. It is quite luxuriously furnished, and very snug. But the stufiy odor of the place, entrely unnoticed by its owners, of course, was proor would have been more healthful. Pity tis, but it ap pears to be true, that much effort and thought on
and care, requiring mut the part of stockmen, lower the stamina of cattle and render them fit subjects for concracting anta-
and tion in many dairy stables during March and April is simply deplorable to those who have thought for the health and sensations of the cows. It is more than questionable whether -he fear of loes not result, in the long run, in a much mor serious lessening of production. ${ }^{\text {a }}$ section regarding " Sanitation" from the report, may well be quoted entire: "In the eradication of tuberculosis, it should be kept in mind that, in addition to protecting the animals against exposure to tubercle bacilli, it is dessirath to make them as enstane by stubline them pos sible. This can be done seris-lighted and venti lated barns, giving them abundant cloar watp and nutritious food, a sufficient amounl on arall exercise in condions which are known to contrilm.
to those cond to the health of animals. The daily removal of manure from stables, and water-tight floors an! mended. Younc stock, particularly, should

## The Power of Spring

 Springtime comes again with uplifting force. it quickens nature and it quickens men. Iruly has it been said that the slent forces are the mightiest-unseen, yet all-power. but it is derous plinge of Niagara is horssictric current oth to the wheels of mills two we stand amazed before then we talk of farm power we think of the steam traction engine, the windmill, or the gasoline motor; but if we would see eal, magnificent force, the eyes must be opened uring these spring days, when so unlocks the throats of every song-bird, enwraps with garments of green the gray twigs of ten thousand trees, whitens the fruit bushes in every tow and pasture up the grass on a thousand fiecarpets the alfalfa plots and the brown areas of winter whea, wother year, the germs of plants, looking garden seeds which, by faith, the trusting housewife commits to a mark in the soil in hope of a speedy resurrection. And Nature does not fail her. Spring is eternal. Life is in that just waiting the generating warmth of the solar dynamo, $95,000,000$ miles away, which mak
## HORSES.

The keen demand for good young mares, and as compared with geldings of equal weight and quality, indicate that Canadian farmers at las good young mares at home to supplement the farm revenue by breeding a colt or two each year

All the four horses purchased for "The Farmpounds, or near it. With average good fortune it is hoped to raise two or three foals per annum Effort may be made to breed a couple of the mare

Is the horse business ${ }^{*}$ liable to be overdone i the near future? It is rather hard to say Whether the present range of values will long con mand has heen stimulating breeding of late However, there would still be money for the farmer in breeding the right class of draft horses a mand.

Retention of the Meconeum in Foals
The question is sometimes ashed whether castor
oil or linseed oil should be administered to foal that are constipated when about a day to a week Canada is emphatic in saying that the common practice of giving purgative medicines in cases of
this bind cannot be too highly condemned. What this hind cannot is spoken of as constipation is, meconeum. This is a substance which fills the bowels more or less at birth, and is in the form of lumps or balls of a dark, almost black, color, and of about the con-
sistence of putty. Under normal conditions, the foal, shortly after birth, will be noticed evacuating a quantity of these little black lumps, and
the evacuation will be repeated at intervals for the evacuation will ho repeated at aiter whe color and character of the farces change to a yellowish mass of a sticky character. Tinfortunately, this normal evacuation does not always take place,
and the meconeum is retained. In such case, the proper treatment is not the giving of purgatives. Instead, the nail of the forefinger should be cut short, and it should then be oiled and carefully ann be reached removed. An injection of warm van linseed oil should then be qiven, and focms licome yellow, when danger is passed. It A. momonelm in all foals, without waiting

Should Hopses Drink at Will? We have this spring built a horse stable, an in front of horses' mangers is a long cement trough for The trough has a lid to keep from staich can be raised to let horses drink There are also doors in front of horses which raist and fasten while feeding horses. Do you think it would be advisable to leave doors that horses may drink at will, or should they be watered at certain times? We all know it is natural for horses to drink after eating, but many condemn this, fearing the water has a tendency to wash feed out of stomach. What is your opiar remember once reading that in Denmark
lieve it is) it is customary was claimed that water while feeding, and and the fact was attributed to this. F. H. W. Ans.-We should not consider it necessary, even desirable, to have provision for the horses to arink every time they dook are usually at-
 stables, grooming and harnessing, then water and feed grain. We prefer not to water immediatel

## Preventing Sore Shoulders.

$\qquad$ mends, for preventing sore shoulders, lining the sweat-pad, or collar that comes next the shoulder, with pure white oil-cloth. Put the smooth part
of it next the shoulder, lining the pad or collar all through, and sowing it in around the edges. all through, and sowing it in around the edges.
The collars can be washed off and kept clean.

## LIVE STOCK.

## Stable Hints.

Five minutes will suffice to drive spikes in the The stable will look neater with utensils care fully hung up, time will be saved by having a sibly be avoided.

Regularity in the order, as well as the hou
milking, feeding and watering, is desirable.
Comfort pays.
Harsh words tell in the milk flow or the daily You know how it feels to lie on a lumpy straw tick or mattress. A soft, even bed is ap-
preciated by the cow or ateer, as well as by yourLittered alleyways spell *aste, and bespeak the

Do not forget to put a few oats in the calf's feed-hox. Calves will eat whole oats about as or them, especially when the milk supply is

Do not commence too early to figure the cost Yf the calf's daily feed of milk. You may get
cheaper gains on cheaper feed, but you will have a cheap, runty calf on which subsequent feeding mals require milk should. All babies of mamshould without a fair amount of it. It is ex treme penny-wisdom to stint a young calf or col or pig for the sake of a few quarts of milk. Im-
inediate cash return is not wor thing. ahead.

There are a large number of scrawny cows be ing raised in the cheese sections of Canada for

Do not shrink from the tuberculin test. Wel knowledge it supplies. and utilize discreetly th

To surplement skim milk in call-feeding, nothing better than a handful of flax seed has been merely scalded at feeding time

PPRIL 27,1911
New Brunswick Stock-breeders Convention.
With a view of providing better facilities for the agriculturists of New Brunswick to acquire
pure-bred stock, the Provincial Department of pure-bred seche has decided to inaugurate a series of
Agriculture Agrion sales, to be held periodicaty ach stock can be
auctiod in the Province, where such stor
place passembleci in such numbers and variety as will with some degree of assurance that they will be able to mee forther assisting in this project With the portations of different breeds of stock, which The be offered for sales was held at Fredericton on the first of these sales about forty animals, chiefly
12 th insl., when 12th ins., and Ayrshire cattle, and some draft
Shorthoria and in large
horses, were offered. Buyers attended in later horses, were and the bidding was spirited, prices
numbers, and ranging from
six-montrs-old calves, and many more could have six-months-ol satisfactory prices.
been sold at Advantage was taken of the presence of so
stores and stockers in the many prominent, farmers and stock-breedersters per-
taining to the industry, and, in response to the
invitation of the Commissioner for Agriculture, a large and influential gathering met in one of the
legislative Buildings, committee-rooms
under the presidency of Lt.-Col. Campbell, of ers' \& Ddirymen's Assoovation Secretary for Agriculture, explained that the chief object of calling culure, cether was to get an expression of opinion
them tofee best means of promoting the live-stock
us to the industry in the Province, as, from the statistics of imports of meat and
seem as though the Province had much of a liveseem as industry. Compared with the other Provinces, New Brunswick made but a poor showing.
There was a falling off in horses and sheep in the There was a falling off in horses and sheep in ine
last ten years, though swine had somewhat inlast ten years, There had been sone little improvement
creased. in the later years of the ten, but the Prario, in was not beginning ulation. This was a matter proportion was capable of being remedied, and he
which would like an expression of opinion as to the
readiest means of going about it. He felt that readiest means of going about it. He felt that
if the agricultural societies and stock-breeders if the agricultural take the matter up in earnest
associations would
cone some tanyible results would accrue. W. Mclntyre, from exhoucester would encourage
increased grants to exhitions Wold not know farmers to raise better stock. He diot be raised in New Brunswick as in Ontario, in which case Ontario farmers might come to the Province for good animals,
ing alwass to go to Ontario.
gaid that the improvement of stock-raising conditions was the foundation of successful farming. Mixed farmsfal
was what counted, and, in order to be successful was what counted, and, in order Now Brunswick in it, a rarmer metter suited for dairy farming than
was perhaps betto anything else, and the Ayrshire stock which wourd
be for sale was ideal for the purpose. There be for sale was ideal for the purpose greatest
could be no doubt that Ontario was the gad agricultural Province in the Dominion, and there mixed farming was the aim of the farmer.
with dairying and sheep and swine raising, there were splendid opportunities for farmers in er
Brunswick, and no Province offered better markets for the farmers' produce.
James A. Telfer, of King's County, who has James A. Telfer, of King's County, who has
jnist moved into the Province from Ontario, said, just moved into the Province from Ontario, saun,
from what he had seen of the land in New Bransfrom what he had seen on reason whatever why
wick, he felt there was no reat arovince as
it should not be as good a live-stock Prover required educat-
(intario. The farmers, however, required educat-
ing on the subject, and he thought that short
ingurses in judging should be given by competent ing on the subject, sould be given by competent
courses in judging sho
men. Another thing he thought was that many men. Another thing he thought was that many
of the farmers were not good feeders, and good
restints could not be expected without good feed-
ing. No matter how good the breed, good feed-
 1ur of dairy stock. He allocated a much greater
nise of alfalfa, which throve very well in the Prov-
Asked as to the sheep industry, which is Asked as to the sheep industry, which is
Ince. Telfer's leading line, he said that there was a profitable market in the province for sheepreeders, though he would like to see better prices
He believed in feeding lambs well on
cor On the season, rather than killing them etle in fers Brunswick, he of a location, and he did not provinces in search of a mistake in settling in this Nince, as the best place for sheep-raising of the
Col. Campbell approved of the policy of nernment in arranging for periodical sales of are-bred stock, and he felt that stock-bree in
ould have some encouragement to perseere heir efforts when they were ahle to feel
ilities were to be afforded them for disposing o

meeting recommends the Department of Agricul-
ture to arrange for auction sales of such stock, and that this stock be taken from New Brunswick breeders at such times as might be agreed upon,
based upon the production figures of the stock,

Rer That Recently I read in the being tested for tubermany fine dairy cattle are being tested are killed.
A. Ju.tican, of Victoria Counts, thought that
much grood might be accomplished by exchane of pure-bred bulls among the various agricultural forreties, a couple of years, it would be a good
mlan to exchange him with another society at a distance, and inbreetling thus be avoided. He alcomparatively young, and said ten years was not too long to keep a good animal in service.
Hon. Dr. Landry, Commissioner of Agriculture, was glad to see so many representative farmers and stock-breeders present, and to hear so many
expressions of approval of the Government's policy. He felt that the idea of exchanging stock

Baroness (imp.) [20270] (23247).
Clydesdale mare; brown; foaled 1907. Imported by Smith \& Richardson, Columbus, Ont. Second at Toronto National. First and champion at ogdensorp fall of 1910. First and champion at Ontario Winter Fair, Guelph. Second

$$
\begin{aligned}
& \text { fall of 1910. First and hampion at S. Sold to W. J. Cox, Peterboro. Sire Cassabianca. } \\
& \text { at Ottawa Winter Fair. Sold }
\end{aligned}
$$

breecters in the past; therefore, resolved, that this based upon the product,'
and this offered for sale.'

Fresh-air Treatment for Tulberulosis in Cattie.


The stock which the Government had imut. The stock which the Government had imOntario, and, if carefully looked after, could not fail to improve the breed of cattle in New Bruns-
He believed the time would soon come wick. He believed the time would soon come when the farmers would be able to put on the
narket each year a nice selection of stock, such as would meet with a ready sale. He felt like paying the expenses connected with the sale, and farmers would make up their minds to keep better stock, even if they only began in a small way, the result was bound to be highly beneficial not
cnly to themselves, but to the Province generally. Dr. I andiry concluded by announcing the probability of a couple of Shorthorn importations

tound tm
and helped to
butcher them They were wild as
but antelope,
dressed
 Thay yil






Helping Themselves
oner speakers expressed approval of lump remaining, yet these cattle wite he inauguration of periodical sales, and of the condition when kiled. in my mind but that the policy of the Governinent in making imp resolution mountaiu range of the wakatip for pleuro-pneuof pure-bred stock, and plenty of grass, was a sure cure ite States Dewas una Whereas, it is desirable to encourage the more-bred stock of best quality in the partment, instead of killing the cattle, would re-
breeding of pure
Province of New Brunswick; and, whereas, this nove a large herd of diseased cattle to a range
Nomery land in the early
sixties might be of some assistance in stamping out $t$ he
dizease. disease, without de-
stroying so many
rood beeves good beeves. A t
the time I speak of, beef was scarce, came from Aus-
tralia, and nearly every one of them
was infected with was infected wnit.
pleuro - pneumonia.
My parents had atout 300 cattle in
the Wakatip dis-
trict, which trict, which was
situated 2,000 feet
above above sea level. A
butcher brought up about 100 head of
infected steers, and turned them on the
tame range as ours. same range as ours.
Eight of his cattle died within a few
days after, I think days after, ${ }^{1}$ think
because of $\mathrm{h} \theta$
of climate. change oigh $\begin{aligned} & \text { These } \\ & \text { These } \\ & \text { buried along } \\ & \text { with }\end{aligned}$
alons. thirteen others that
he had shot, owing
to their poor condition. The rest,
The repto
with the exception with the exception
of nine, which were lost, were butchered and eaten.
the range and drive It was my duty to go to the range and drive
the cattle as they were needed for butchering, two to four at a time, and 1 became so used to their actions that when they were coming over a in what state their lungs would be when the catthe were killed and dressed. The very best of these steers did not weigh over 600 pounds when
ready for the market. All of their flesh was bluish, and their lungs were blue and swelled, and
some of them had their lungs grown to their ribs. some of them had their lungs grown to heir ribs.
Some were too poor to kill, but a year after being turned onto the range were fat and in good
condition. Four-fifths of the cattle killed by the condition. Four-fifths of the cattle killed by the butchers had pleuro-pneumonia, and had had the run of the feeding ground
never knew of a native animal having the disease.
The nine that
rovince of New Brunswick; and, whereas, this that an experience
we had in New Zea-

Is Your Watep Supply Safe?
get better able to follow the cows, thereby instiring each its share of milk. We use caustic on
the calves' horns when they are a week old to , in thcir native elements, with plenty of good
grass, it might prove a very instructive experigrass. It might not do to turn sound cattle in
with them at first, but, after the infected ones had recovered from the change in the climate, I do not
think they would transmit the disease to the healthy catt

## THE FARM.

If my theory is correct, it is not likely that
the calves would have pleuro-pneumonia, unless confined to the close, filthy stables where these
diseases criginate. My opinion is that, for the welfare of the cattle-owners, sanitary conditions
chould ive strictly enforced. and animals kept should ive strictly enforced. and animals kept
clean, with plenty of ventilation, and a certain clean, with cubic feet of pure air to each head of stock. We see such men as Bernard McFadden st Chicago, and Sandow, of London, both con-
of sumptives, who are now amongst the strongest
neen of the times, and they claim that all that cured them was pure air and exercise. If those two things will do that for men, and it acted as cattle, would it not be wise to try my suggestion and see if we cannot save some of these valuable
dairy and beef cattle that are being destroyed I believe that many would get better right here in Alberta's good climate. DAVE COLVILLE.

## Obstructed Milk Flow

Editor "'The Farmer's Advocate :
Of the many good things published recently in ". The Farmer's Advocate," the seasonable series
of letters on the common trouble of the cow at of letters on the common troubles of the cond easily
this season has been one of the best, this season has dairyman, particularly, ten times
worth to any
the subscription price. In fact, I would like to the subscription price. In fact, I would like
say just here that the paper stands in a class hy say just here that the paper star farm paper
itself. I have found no other compare with it in practical value, arising from
the fact, no doubt, that its staff are actually men of the farm, and in constant problems. the orchardist, and others, they are on the alert and, of course, in a position to secure information of the most helpful sort, and readers can do no
hetter service to one another than to contribute of their experience through its pages. That is why I liked the letters on the spring troubles of the cow, and how to avoid them, so far as possible. But these lettas right when he declared that in a multitude of counsel there is wisdom. There is hardly any limit ely experience. So and no one has a mon these writers described an udder trouble just, like the one which i noticed recently. The cow was in good health, vigor
and condition, and dropped a healthy calf. and condition, and dropped a healthy the and teats showed no sign of caking, nor, for a time, of
any inflatamation, hut the calf could secure only a little mulk, analy futile. The cow's secretions were quite natural, but she was given a couple of doses of salts, and the udder was fomented with hot water, and rubbed the adder became greatly distended. Finally, by the use of milking tubes, the veterinary succeeded in puncturing a curtain or growth which he said hating the milk from coming down into the teat, and, being so coning off the milk relieved the cow, but satisfactory recovery, as far as milsing is concernet is the use
looked for. Sometimes, it ss said that of the tubes, persistent bathing, manipulation, and hand-milking, will bring the cow around will recur. In this cuse part of the udder caked, and
the cow '. lost her milk." Usually, owners are advised to dry up cows so affected, and turn them
off for beef. No specific name was given the off for beef. No specific name was given the
trouble in this case, though it was said not to be an uncommon trouble. It may be that other
readers cruld throw light on its cause, and the readers comld throw ing of professionals as to its possible preve
advice of
tion woull be appreciated.

[^1]Water is undoultedly the greatest carrier of
disease. There is always a definite relation be-
wween the death rate in a lar ere city and the pul tween the death rate in a large city and the pur
ity of its water supply. On the whole, it is safe to predict that those cities having the highest death rates have impure water supplies, while
those cities with low death rates are sure to have Typhoid supplies. and intestinal disorders are the Typhoid fever and to be transmitted by pol-
diseases most likely. to bent
luted water. Excrements from typhoid patients luted water. Excrements from typhoid patients
are teening with the bacteria which cause that are teening with the bacteria which cause that
rtisease. If, by any means, these excrements intisease. If, by any means, these excrements in-
fect the water supply, that water, if drunk, will probably cause the disease. Typhoid outbreaks,
whether on the farm or in the city, can usually whether on the farm or in the city, can usually
be traced to a water supply which had become infected with sewage from typhoid patients. There ought to be no question about the pur-
ity of the water supply on every furm. Unfortuity of the water supply on every farm.
nately, a large number of farm water supplies are not safe, and are probably the cause of disease. The United States Department of Agriculture, in co-operation with the Minnesuta State Board
of Health, made an exhaustive investigation of 79 carefally-selected typical farm-water supplies in different parts of Minnesota, with these results: (1) Twenty water supplies were good, and to careless or ignorant handling. (2) Of the polluted wells. 11 were so located that extreme care could not make them safe; while the others, with proper protection, such as Lood curbing, tight
platiorm, and protection from surface-wash, could he made safe. (3) During the investigation,
was found that 23 farms showed a record of was found that 23 farms showed a record of ty
phoid fever. The water on 18 of these farms was phoid fever. The water on 18 of these farms was
polluted, and was the probable cause of the disease, while on the other farms the cause of the
disease could not be definitely located. disease could not be definitely located.
How can you tell whether your water supply is How can you tell whether your water supply is
polluted or not? The following kind of well is pafe A deep-driven well, with tight curbing and platiorm, which is raised above the ground at
least six inches to one foot. The ground slopes deast six inches to one foot. surface water can enter the pit. The well is lo-
cated as far as practicable from the privy vault -100 feet. preferably more-and an equal or
greater distance from barnyards. cesspools, etc. and the drainage from these places and not toward the well.
from, and
The following well is apt to pe polluted

The imowing well is apt to he polluted :
shallow-dug well, curbed with rock or orther ma
terial, with loose platform, allowing dirt and sur terita, with loose platform, allowing dirt and sur
iace dranage to enter the well, located within a
few rods of a privy vault, cesspool or barnyard few rods of a prisy vault, cesspool or barnyard,
with the natural drainage from these places to,-
ward tho well ward the well. Even if the natural drainage
were away from the well, wuder these conditions.
there would prohabi, still lie seepage from the harnyard, etc., into the well.
Make a careful survey of water supply, Make a careful survey of your water supply,
and you can probably teli quite accurately
whether it is safe or not. Do not send any
samples of water to the (hemist of the Experisamples of water to the Chemist of the Expery
ment Station, because he cannot make such ex mient station, because he cannot make such ex-
aminations. However, if you are in doubt as to
the purity of your water supply, send him an accurate and complete description of your well, and a rough shetch showing the location and distances
betwen the well and farm buildings, barnyards,
cesspools, valls, cesspools, vaults. "te. By means of arrows in-
dicate the slope of land. On the basis of such
 COMMEXT BY FRANE T, SHOTT, DOMINION On the whole, the statements in this article are
correct. There is ample proof as to the great menace to health of an impure water supply, and,
thourh much publicity has been given in recent
yars to the danger in using for drinking and domestic purposes water contaminated with ex-
cretal matter, it is only too true there is still Ereat apathy throughout the country towards this
important guestion. We have too many shallow most part, situated dangeronsly near a source of
pollution. Seepare and sorakage find their way sooner or later into such wells, and the supply is pollme made to vield pure water and the better Blan undoubtedly is to abandon them. One safeLard that is of considerable value is, at the out-
set, to line the well, say, to a depth of 10 feet, with several inches of good concrete. This inSires, if surpace-washing is kept ond a cartain fion
tration of the water entering the well a filtration
that ound ht to have a purifying elfect. But if there is no pure source a a vailable, as a spring orantrance of surface and gromel water be a safe

$\qquad$





put in the tank, the tar is then poured in, and
when these reach boiling point the creosote oil is added. Constant stirring is necessary, until a
aniform consistency is reached. The stone havuniform consistency is reached. The stone stone ing been heated until quite dry, the tar and stone
are mixed and turned over several times, and the mixture is then spread on the road. The material is usually put on in three layers : the bot-
tom layer 3 inches thick, of 2 -inch material; the second layer 2 inches thick, of $1 \frac{1}{2}$-inch material; and the top layer 1 inch thick, of $\frac{3}{4}$-inch material. The last course is dusted over with coarse, clean sand, and is rolled until consolidated. The cost as usually about $\$ 1.00$ a square y yrads.
tound too expensive for country roads.
The tar-matrix process is one in which a fine grade of gravel or broken stone is mixed with regrade tar, and is spread to a depth of $1 \frac{1}{\frac{1}{2}}$ or 2
finches over an old roadbed or well-rolled stone inches over an old roadbed or well-rolled stone
foundation. On this is spread a 3 -inch layer of oundation. On this is spread a 3 -inch layer of
3 -inch stone, and this is rolled until the tar natrix is brought to the surface, thoroughly sealng it. This is usually followed by a "paint" course and a dusting of screenings to seal the sur-
face completely. Or, instead of being placed below, the tarred matrix is spread over the new stone, and is rolled down into it. And a third tion of the two, an intermediate layer of broken stone being sealed from above and below with the

SPECIAL MATERIALS.
The demand for a road material that will be dustess and durable has caused a large number
of patented materials to be placed on the market Roseate claims are made for many, and, while some are clever and promising compounds, the mportant tast-the time test-is one which has set to bery limited. Glutrin is prepared from a waste of wood-pulp manufacture, a dark-brown
liquid, whish is diluted with water and sprinkle from an oo dinary watering-cart. Tarvia is preparation or blend of tars designed to meet the need of a standard and uniform grade of retined
tar. It has been used on Beverley Street, To ronto in several ways, with a view to testing its value. Westrumite is said to be an emulsiqued
asphalt or asphaltic oil. Rocmac is a liquid which, mixed with powdered limestone, produces on exposure to the atmosphere, silicate of lime Several test selections have been laid in the Prov
ince, and its action in the road is of an interest ing kind. Good results are reported from Eng land and Scotland, but, with many other mate In general, the situation at the present tim has shown the value of petroleum oil with para Petroleum oil without paraffin, and with an as phaltic base, can be applied to make a more per manent dust preventive, and, containing a larg coat or as a grout. Some grades of lake asphalt, applied by the penetration or grouting process have a high value in making, at a reasonable cost, strong bituminous roads for heavy country
traffic, free from dust, and reducing the cost of maintenance. The use of tar is a promising field in Canada, as in England, and affords an oppor tunity of being less dependent upon patented ma-
terials, and the larger asphalt and oil trusts.
The quality of stone used in the road has marked influence upon durability, no matter what binder may be employed. Western Ontario ha.
only limestone, while some parts of Eastern On only limestone, while some parts of enite and the more durable rocks. Field stone, where used limestone and sandstone. For roads of heav traffic, much would be accomplished by securin or the wearing surfact ahree or four-inch coa the cost of

## Silo Experience Wanted

[^2]Handy Clothes Rack.
Co-operation in Building Silos.
$\qquad$ ar home we have a clothes rack which has 20 feet oi line, is $5 \times 7$ feet, with extension arms. It closes up to be run through into the Fitchen, where the washing is all put on, without the women having to go out in the cold when
warm after washing. When the clothes are dry,

the rack is run into the kitchen, the clothes re noved, and the rack set aside until wanted again, In setting it up, a line is run through the kitchen extends out into the yard about one hundred feet to a post. This post is about 10 feet above the ground. To bring the line on a level with the
op of back kitchen door, a groove is cut in top f door cnsing to allow the line to clear the door. it is held in position with a wire hook. A No. wire is used, with two pulleys attached to
clothes rack, as shown in cut. lothes rack, as shown in cut. ARMSTRONG.
Ieeds Co., Ont.

## Convenient Water Supply.

## A-Well, over which stands an 8 for wind

 A-Well, over which standB-Tank-house, $12 \times 12,24$ feet high. A 60 barrel tark, set on platform 18 feet from ground, C-Water-box for one yard
D-Water-box for one yard
E-Partly-covered water-box, with float-valve F--Pipe to pig house
G-Water-box outside horse stable for horses and cattle.
H-Pipe into dwelling, with a tap in cellar,
continued to kitchen sink, and carried upward to ontinued to kitchen sink, and carried upward to supplies water by gravitation to the water closet's flush tank
-Hydrant in lawn
K-Water-box, partly covered, having floatother open to lane. into which stock from any field on that farm may be given access, so as to as the witer will. work; automatically, turning
As


Five farmers in the neighborhood of Litchfield, Minnesota, co-operated, and purchased building
material in large quantities. They united, and aided each other in erecting a stave silo on each of their farms. The following is the cost of mate rial and labor in building one of these, on the tigures
The silo is 36 feet in height, and 16 feet in 116 pieces, $2 \times 6,30$ ft., Washington price... $\$ 111.36$ 26 pieces, $1 \times 12,12$ feet......................... 10.42 10 Ri-16-inch hoops, 54 feet ..................... 25.00 4 pieces $2 \times 4,18$-ft. rafters other lumber
cement for foundation Cabor in cement $5 . . . . . . . . . . . . . . . \quad 15$ $\begin{array}{ll}\text { Common labor, excavation and raising..... } & 7.1 \\ \text { Coment }\end{array}$ $\begin{array}{lll}\text { Laint } \ldots \text {........................................... } & 6.80 \\ \text { Labor painting ( } 3 \text { coats)) ................... } & 5.00 \\ 1.00\end{array}$ Total ... ... ... .................................... $\$ 228.78$
This is the actual cost of the silo complete The real cash outlay did not exceed $\$ 200$, as Mr
Jorgenson and boys did most of the carpentry painting and common labor themselves. Staging was either returned or used on the farm, so no
account is made of same, except labor. To have the above silo built by contract to-day would From careful study and observation, the writer is of the opinion that a cement-block silo of the complete, can be built for about the same money -possibly cheaper, if the sand is near at hand Experience has shown that silage is as well pre served in a cement sio as in a orick or woode be watched and tightened like a dry barrel. It should be kept painted and repaired. We may expect twenty years of service from it. A cement or brick silo, once properly erected, reinforced should stand the lapse of time indefinitely. Following are some estimates on a hollow block silo, 16.5 feet in diameter, and 28 feet in
height, of cement wall. The blocks had a front facing of $9 \times 36$ inches. The lower twelve tiers of blocks are 10 inches in breadth, the next fourteen are 8 inches, and the last twelve are 6-inch blocks. The blocks were homemade, formed in
wooden frames lined with sheet-iron. Seven hunWooden frames lined with sheet-iron. Seven hun-
dred blocks were used. Sand to cement, 1:5; 43 barrels of cement required. To build the silo
6 feet higher, or 34 feet high, to compare with G feet higher, or 34 feet high, to compare with
the Jorgenson stave silo in size, would require the Jorgenson stave silo in size, would require
150 blocks more, using nine barrels of cement additional. The blocks are laid in rich cement, 1:2 reinforced by No. 8 wire or a double course barrels more of cement can be used in foundation floor and plastering, making in round numbers a total of 60 barrels of cement. Last year, cement could be purchased in carload lots at $\$ 1.50$ per
harrel, or $\$ 90$ for the 60 barrels. A mold can be purchased for about $\$ 15$. The cost of the roof is the same as in a wooden silo.
A contractor, Melvin Weeks, of Richmond Mich., who has experience in concrete work, estiMich., who has experience in concrete work, esti-
mates that he can, with the aid of two men, make
items may be reduced. Such a silo will hoth
140 or 150 tons of silage. Original cost of stor age, less than $\$ 2$ per ton. By getting together,
buying in carload lots material for silos, of whatever material desired; co-operating in building
and filling, and in the purchase of machinery, there can be a saving of dollars and cents which
may be needed for the home or other improve-ments.-[Chas. Nelson.

How I Would Manage a 50-acre Farm
Prof. Dean stated, in an address before the
'armers' Milk Congress, of Pennsylvania, that the great problem confronting the dairy-farm manager to-day was problem by adopting the soiling system, and doem. The pasturing system of farming is, to my ruind, the most extravagant system of farming
ver invented. Let us see how it works. The over invented. Let in see how it works. The pastures are good, and for a time they do well, but they trample and spoil as much as they eat. In a few weeks' time the pastures lose in weight, the milk

If no orchard was on the farm, I would piant apart These trees will be well looked aiter,
pruned and sprayed as often as necessary to keep
them in thrift. ing, I will devote to sheep, stocking it with 24 and and fattening their lambs there. One acre will seed down to grass, although I am well aware that this will be heresy to our horticultural
friends. The rape will be fenced off, but a lambiriends. The rape will be fenced olf, but a lamb-
creep will be provided to let the lambs in ; the young trees will have to be protected with wire netting. A rough shed will be built, in which the sheep will be fed winter and summer in racks.
in summer they will get the same soiling crops as the cattle. A separate compartment will be made for the lambs, in which they will always The poultry will also be located in the or
chard. From five to seven acres
oats, but it will be necessary to buy annually several hundred dollars' worth of concentrated
feeds. This will build up the fertility of the soil, and be a good investment.
The millk will be obtained and cared for in as cleanly a way as possible. It will be separated on the farm, and the cream sent to the creamery
If the water on the farm is above $45^{\circ} \mathrm{F}$. in temperature in summer, it will be necessary to put up about 30 tons of ice every year. The milk will be weighed, and a composite sampl curate record will be made of each cow's per formance. The heifers from the best cows only will be kept, and an endeavor made to build
herd to average 400 pounds butter per year. herd the thing I consider absolutely essential o this farm. That is, a tank for holding the liquid manure. I will have one constructed of brick or cement, and allow the drainage into it. The ings and the manure pile over the manure pile oc-casionally, and sprinkled over the alfalfa during showery weather in spring. By thus providing
for the storage of this liquid fertilizer, I shall for the storage of this liquid fertilizer, of the
save at least 50 per cent. of the value of save at least $m$ manure produced on the farm-a proportion that goes annually to waste all over Ontario. points In bonclusion, I will enumerate the of the catconsider essential. tle in summer, with good ventilation, and feeding them tied in their stalls; second, the sowing each week, during May, June and July, enough ground to last for one week,
of the manure produced on the farm.
[Note.-The foregoing article, on managing a 50 -acre farm, is the text. of an address given by
S. H. Hopkins, in a public-speaking contest, at the Ontario Agricultural College. It was awarded first prize. cladly give space for them. What
views would be the outlook for the future of our country if our young men did not "see visions ? A thousand times better so than that old methods. be a blind, unreason contained in the article are warranted by facts, then fifty acres may be made to vield an income eas. We think, however. that age 100 acres retuments may be criticised, and we mant readers who have had experience in soiling to examine the article carefuly, and The claim readers the benefit of their opinions. Pe for the
that 36 full-grown animals could be fed forms thatmer from the produce of ten acres, seems rather extreme. How about the health of the
animals? Would vitality not be lowered by con-

Double Wall for Silo
 valuable magazine regarding best sins,
best kind of walls to keep out winter's cold or summer's heat. I give you a description of what
I consider the best wall for silos. By all means, have an air space, as that is
athe hon-conductors. The hollow one of the best non-conductors. Toes not make
block may sound well enough, but does not a solid a hollow wall, as the walls are joined by a solid
block of cement as great as the space left, and block of cement hst a hollow wall. Two walls can he built just as easily, having
a space of two or more inches between, and being a space of two or more inches by wivanized wire. With a rotary
tied together by galvan cment-block machine the same time, so that the
holochs can be made at tuickly made as one hollow two hocks are as thick, with a properly con-
hlock More than thise be
structed rotary machine, a very fine face may be put on the oliter block, by sifting fine sand and
pendering the block praccement moistened, thus render very great desidera-
ically waterproof, which is a ver
ith fill, barn foundation or house. . Amm for sillo, barn foundation or house. First,
form a center, and with a pencil or scratch awl
describe part of a circle to give curves for both blocks, say 7 inches for thickness of first block. Now, shurten the string seven which will represent the inside of outer block. Then, if two-inch space be wanted, shorten the string two inches and draw a line or the ther line for the inside radius of the inner hlock. From these lines, block out the patterns
to suit the
place.
The block
Thinner at The block to represent the space is lert a nitle side when the blocks are turned out), which makes it easier pulled than if were or equal theows on the upper edge of the block is cut to the uroper curve, having two brançhes at one quarter of the distance from each end, the branches pointing to the block representing the air space. These ranches are to place the tie ceirest, with a wire mbedded every three or from splitting. A bead of $1 \frac{1}{4}$ inches is placed in the mould for thus leaving an inch and a quarter his is to be filled with cement.
I am opposed to such an amount of plaster eing put between the courses as we see in bricktrength of the mortar between, and what we ant in a silo is strength and air-tightness. This got by neatly-fitting blocks resting upon each und any handy man can lay such a wall as well
WM. WELSH. a mason.
Bruce Co., Ont $\qquad$
Cuping and Keeping Pork. If your staff know of any method of keeping hacon arer wish you would publish it. We have tried packing them in different mixtures, and sowing them up in good cotton bags belore any flies came, but when we cut into the bone, crawlers of some description will always be found
at work. Our correspondent may be mistak ofore files hat he had packed his pork away before, and, setting a out delay.

Having the hams and bacon sewed up in cotton bags is by no means a sufficient protection. The mother fly easily pierces the cotton and de exercise much more care than that. They wrap the pieces in a thick paper, made on purpose (sev eral thicknesses of ordinary newspaper should be equally good), and then put them into cotco bags and hang up, afterwards bater and yellow ochre.
While on this subject, the following method of treating pork, which, though not exactly new, per haps, is certainly excellent, and may sent in by a lady on request. of one member of our staff who had got some meals at her home nearly four years
ago. He never forgot the excellence of the fried ago. He never forgot the excellence ost and din-
pork which was served up at breakfast pork, and contends to this day that it was superior to any pork he ever tasted, eltar in was
cured. Some of his friends insinuate that it was because he was extra hungry that the fla seemed so superior, but this he stoutly denies. " I take the side meat and shougar, about onehuarter pound sugar to one pound salt. I then puarter pound sugar meat in a barrel or on a board, and let pack the three or four days. Then I take it out, scrape off all the salt that is and fry just like you would for the table, only do not cook it as much have large stone crocks or thard pails, and as and pour the fat that fries out of the meat over il. When I get peep the meat down in the fat. When it gets cold, run lard over the top of the pail, thick inch). I keep mine upstairs. It should be kept to use a pail, I bring it down to the pantry, where it will keep, while you are using it through top, take out what I want for dinner, put it in
the fryinc pan, cook it a little more, and it is the frying pan, ook you want to stop using pork for a week or so, just run some riaht.
over the top, and it will be all right "In preparing the meat, if three or four fry
ing pans are put on at once, you can fry a lo ing pans are put on at once, you can fry a lo
in a day. We think it a good way to keep meat.
"،

$\qquad$ sidered fairly dry. This is largely the reason
why the Government should take it in hand first. tributed over the Province, and commence, not on the wettest farms they can find, but on some considered fairly dry, whose owners are willing to
have a complete iob done. If possible, select farms where some record has been kept of previous yields, and that are conveniently located, so that they could be used for a kind of demonstration to talk about, and I venture to say that it would be only a very short time until there will be such a demand for these machines that the Government
would be able to step out and leave it entirely to would be able to step out and leave it in the end, private enterprise. The wost should be paid for at same rate as if done by a privately-owned ma-
chine. The only loss would be in having at first chine. The only loss would be in having at first
to cover a good deal of territory to get work. In cover a good deal of territory of the enormous benefits to be derived trom drainage, I do not think the cost should be
considered. This would, however, be considerably reduced if the Dominion Government would put ditching machines on the free list. What do other readers think of the scheme?
Wellington Co. Ont

POULTRY
Egg Eating

1. Kindly tell me what causes hens to eat
their eggs and how to stop them? They are fed oats and buckwheat morning and evening, in the proportions of one part buck
wheat to four parts of oats, and a mash wheat to four parts of oats, and a mash of
ground oats and vegetable scraps at noon, and
have skim milk and water to drink and plenty of groueskim milk and water to drink, and plenty o
exercise. 2. I also have a number of geese, which get
out every day, and are fed oats and buckwheat in out every day, and are fet oats and anck whe eating their eggs in the same way. I would like to know how to prevent them.
Ans.- 1. Egg-eating, when practiced for a con siderable ti
hard to br
discovering bard to break up. It mav be begun by a hen
discovering an egg that has heen frozen and has


Cheap Fresh-air Poultry House in British Columbia.
Gegun to thaw, from which oozes liquid which is Darwin states, "Certain characters, capacities peculiarly palatable to fowls, particularly if they and instincts may lie latent in an individaal, and have nol been getting any meat food. Many even in a succession of de least sign of their pres craving for that exists, which causes the shell ence," and yet these are as truly due to inheri to be eaten greedily. A start once made, the est (even to the watching for eggs to be laid),
follows naturally. No measures short of killing the egg-eating birds may avail to stop the trouble. However, other means are worth trying. Feed lime in some form, and meat, also. Feed the flock away from where the nests are.
Darken the nests. See article by W. E. Williams in April 6th issue, in which sulphur is recommended as a curative for feather-eating. It might be well to try it for egg-eating also.
2. In regard to egg-eating by geese, we would suggest that you exercise your ingenuity, making use of hints given above, and if you succeed in getting habit overcome, let us know how you did it. If any readers have experience in this matter,
we would esteem it a favor if they would, through us, give our readers in general the benefit

Trap-nests, or Poultry Pedigree. Editor "The Farmer's Advocate on dictionary is "that tendency which there is in each animal or plant to resemble its parents in all essential characters." By another authority it is more con
cisely stated as " the transmission of parental cisely stated as the transmission of parental spring not being by any means, limited to the firs


A Well-kept Poultry Plant and Attractive Surroundings


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With milk at about 80 cents per cwt., and
with straight young cows showing some breeding realizing, at three and four years old, ninety dollars and upwards, sufficient ore been used at a greater profit in giving a year. Indeed, some of our most live dairy farmyear. Indeed, some of considering whether an actual business ing for not be forket choice young dairy cows. profitable way, our wisest course is to breed and proar them along the lines I have outlined, viz., selecting a breed from which to obtain the purebred sire as each is needed, mating such sire to
our best cows, and then properly rear the young calves thus obtained into cows to displace th older ones.

The Trend of Our Dairy Trade.
Editor "The Farmer's Advocate": ing between Canada and the United States, to which the eyes of the commercial world have been turned during the past two moncell to look at oue little item of trade between Canada and the Enited States which has de veloped during the past eighteen months or so, to show which way our trade winds blow just a. soon as we find it profitable to do business with our neighbors to the, south.
Our dairy business has been held up for the admiration of all Canada for the past decade or twritain it generally supposed hou Great Britain lakes practically altour surptrue up to products. This has undoubtedy been true up to our trade figures un mistakably show. and a few years ago took practically all our sur plus butter, but our butter exports have been de clining since 1905, and last year's exports to Brit ain were down to a few thousand boxes. A decrease in exports from over 500,000 boxes to less than 40,000 boxes, in five years, looks, on the surface, as if our butter industry was declining very rapidly. The facts, however, are quite the reverse, and it is interesting to find out where the butter is goin a Atlantic. A few years ago our Nortwest but now
sending large quantities to the seaboard, but Eendern butter is going out there to supply our newcomers, and the demand must increase in that direction. We have, however, another factor to
reckon with, even if this trade agreement does not pass, in the shape of a stream of cream, which started flowing across into the Eastern States in
Before the Payne-Aldrich tariff came into force, the duty on cream was 20 cents per gallon, and the duty on butter was 5 cents per pound. Under the Payne-Aldrich tariff bill,
cream was lowered to 5 cents per gallon, and cream was lowered to 5 cents per gallon, and
butter and cheese were raised to 6 cents per
As soon as this bill became law, some butter and cheese
pound. As soon as this bill became law, some enterprising Americans down in formoream, and ooking across the St.
one creamery proprietor in Quebec made the venture by shipping over 1,650 gallons in August,
too9. It paid better than making it into butter at home, and the next month the shipments were 12,160 gallons. Other factories soon began to take ased rapidly month by month, until, in Oc-
nober, 1910, 327,064 gallons were shipped across
tobe January 1st, 1911, the total value of the cream exported in eighteen months was $\$ 1,902,042$.
Notwithstanding the duty of 6 cents per pound on butter and cheese, Canada shipped, for eight months, ending Nov. 30th, 1910, butter cheese $\$ 9,407$, and other dairy products, making a total of $\$ 1,611,645$.
This all goes to show the trend of trade where the barriers are not so high as to be absolutely prohibitive, and what altogether? Wisconsin and Minnesota might send some hutter to our North
west cities, but the natural market for Ontario and Quebec would be the large consuming centers and the Eustern States. Why should our perish-
of
able products be compelled to travel thousands of able products be conneeled
miles to find a market, when we have a market miles to find a
at our deors which is ready to take ever-increas
ing quantities? Canadians want the marke which is going to sell. We want
things, but we wan
if those who are alone" would only nuit that a growing country like Canada simpl! up her splendid record, and keep pace with nations.

## GARDEN ORCHARD.

Flea-beetles

adress by L. Cæsar, at the Ontario Vegetable-

These are tiny little beetles, usually not more than one-tenth of an inch long. Most of them are black, but some are a dusky green, and others They mathed with yellow, red and name from their habit of leaping away like fleas when disturbed. Probably the most troublesome of all is the striped turnip flea-
heetle (Pbyllotreta vittata). This insect is black, seetle (Pbyllotreta vittata). This insect
with a wavy band of pale yellow running down with a wavy band of attacks almost all kinds of plants belonging to the order Cruciferæ, such as turnips, radishes, cabbage and cauliflower, and
have seen it this year very abundant on some

## 


find arged. kinds of wild mustard. The potato flea-beetle
(Epitrix cucumeris) is another troublesome fleabeetle. It attacks potatoes, tomatoes, and some times cucumbers. The insect is very small and
black, and eats tiny holes in the leaves, someblack, and eats them so severely that they die. Blight gets a chance to enter through the injured parts. There are several other kinds besides those
mentioned that attack various kinds of vegetables. Most of the damage from flea-beetles is done early in the spring, just after the plants have been se out, or the seedlings have appeared above ground.
In such cases it required very prompt measures In such cases it required very prompt measures
to prevent the destruction of the whole crop it
the beetles are numerous. remedies.
(1) Late Planting.-From what has been said above, one might hope that the beetles would soon
slacken off, lay their eggs, and either disappear or not attack so voraciously plants that were sown
late in the spring. This is usually the case, and in most seasons turnips can be sown with comparative safety after June 20 th , as can also many
other planis. (2) Poisoned Bordeaux Mixture.-In many cases by spraying the plants as soon as they appear with Bordeaux mixture, to every barrel of which three or four pounds of arsenate of lead has been every third day can be discontinued. On account of the smooth surface of cabbage and some other
plants, it is well to add a sticker to the Bor plants, it is well to add a sticker to the Bor
deaux. This is made as follows: Boil together 2 pounds resin and 1 pound sal. Soda in 1 gallon of water in an iron pot in the open until a clear
brown liquid is formed. This will usually take from one to one and a half hours. Add the
above amount to every forty-gallon barrel of the above amount to every
poisoned Bordeaux. Many other remedies have
been advocated for the destruction of flea-beetles, poisoned Bordeaux. the destruction of flea-beetles,
been advocated for
but poisoned l Bordeaux has given the most satis-

Striped Cucumber Beetles
Every grower of cucumbers, squashes, pump-
kins or melons is familiar with the small heetles about one-fourth of an inch long, with alternate yellow and hlack longitudinal stripes on their
wing covers. They are oiten vers destructive

and are certainly very diflicult to combat success
fully. The chief damage is done in spring $t$ fully. The chief damage is done in spring to
the young plants just after they appear and when
作 they are least able to withstand an attack. At
this season the adult beetles, which winter in this season the adult beetles, which winter in
the ground or under any good protection, are very hungry, and during one or two weeks feed
very voraciously. At the end of that time mating begins, and they become less destructive and
niore particular about what they eat, often refusnore particular about what touch plants with foreign substances on them. The yellow eggs are laid in the soil near or around the roots, and if the earth is damp, the young larve feed on the roots, vines or fruit
that may happen to be near them. The new that may happen to be near them. The new ravenously upon the vines and the fruit
MEANS OF CONTROL.

$$
\begin{aligned}
& \text { MEANS OF CONTROL. } \\
& \text { Crops and Spraying.-It }
\end{aligned}
$$

(1) Trap Crops and Spraying.-It has been kinds of cucurbits, hence, before sowing the cucumbers or the regular crop, a considerable number of squashes should be sown around the outside
of the plantation to attract of the plantation to attract the beetles. As soon
as they appear, they should be heavily sprayed every few days with arsenate of lead, 3 or 4 pounds to 40 gallons of water. up, spray it with Bordeaux mixture and arsenate of lead of the above strength, repeating the spray several times intil after is added chielly as a repellant, since the boetles, after the first week or so, usually refuse to eat plants covered with it. Bordeaux also helps to keep of ther in the year, squashes should the plants. Later in the year, squashes should
be planted and left to attract the greedy new adults. These can then also be sprayed with the
adsenate of lead, and many of the beetles will be arsenate of lead, and many of the beetles will be
destroyed (2) Burning Refuse in Autumn.-Advantage
should be taken of the habit of the beetles late in should be taken of the habit of the beetles late in the fall to congregate in great numbers on old
cucurbit fruits and vines, especially where these are gathered into heaps. I have seen the beetles in thousands in such places on frosty mornings. the picking season, on some frosty morning, and a covering of straw is thrown over them and set on fire, countless numbers of the beetles would be destroyed, and the number lert for the next, season
thus greatly lessened. (3) Coverings. $-\Lambda$ very satisfactory method of
protecting young plants in the spring, on a small scale, is to cover them. For this purpose, cut a circles. Then place one of these over the other, and at right angles to it, and insert the ends of
both in the ground. Two bent wires will both in the ground. Two bent wires will, of made should be covered over with gauze or some such material and a little earth thrown up around
the edge so that no heetles can get under. It the edge put on the plants before the beetles get until the plants are too large for such limited space. This affords a complete protection, but

## Humus and Potatoes.

The control of moisture in land to be planted secured hy drainare alone as it is largely a mat ter of the humus content of the soil. One hundred pounds oi clean, dry sand will take twenty-two our ordinary clay loam soil, perfectly dry, will take 56 pounds of water before it will become mold soil will take 196 pounds of water to satuto saturate an equal number of pounds of sand, and three and a half as much more as it takes to
saturate our ordinary clay loam soil. With saturate our ordinary clay loam soll .
soil deficient in humus, no amount of cultivation it produce a paying crop of potatoes, while a soil jt produce a paying crop of pode, by cultivation, to produce a paying crop even in a season of
tically no rain. A clay loam soill filled humus no rain. A clay loam soll filled much more quickly after a heavy rain than the same soil which is deficient in it, and the capacity of the humus-filled soil to
hold moisture is so much greater that, with intelligent shallow
practicaily assured
The control of moisture is not the only advan-
tage of having a soil filled with humus. The rock-formed soils of the eastern portion of our
country are filled with mineral plant food. It is claimed by leading scientific men that the top
eight inclies of heaviest Ioams contain potash eight inches of heaviest Yoams contain potash
enough to raise maximum crops from 200 to 400 years, and phosphoric acid from 150 to 300 man leaving the face of nature a barren waste. Fill a soll with humus. which is decaying organic


APRIL. 27, 1911
up plant food. The second eight inches contain
as much, or even more, mineral plant food than the first. The pro their humus content than upor more other one thing, and one of the first objects
any on the potatogrower should be to fill his soil
of tater

THE FARM BULLETIN

## P. E. Island

A late spring here ; the 13 th of April, and navigaticn not open yet; snow ind fit to travel on. This date last year the land was pretty well dried up. It looks now as if the new clover had
wintered well, as there has not been much thawing and freezing to throw it out; but it is no past all danger yet in splendid condition.

The dairy companies are getting fitted up for mill wasteurizing of whe
for milk-drawing are let. Pasteurizing of whey patrons the best of satisfaction when properly
done previously. We look for a prosperous season at the dairy stations, on account of feed being plenty and the miling stock cream shipments to nesston from here are likely to increase this season, but most of
The Government here propose to spend $\$ 6,000$ in importing pure-bred Ayrshire cattle, to be sold at auction to the farmers. This is supposed to Some farmers think that it would be better to
invest in Holsteins, as there are herds of this nveed in Hore now that are giving grand results in the dairy, and many of them on record as great producers. We have som the herds of Walter M. Lea, Frerl Clark, Gavin Harding, Melbourne Laird, and others. Holsteins are becoming very popular here, being heavy producers, large in size, and having good teats. The Ayb breeders get them popular, nor will be, till their breeders get and give us less style and larger teats. It is to be hoped that,
if our Government make an importation of Ayrshires, they select the usefu nopular with the dairymen. We notice that farmers ming much more attention to cleaning their seed this spring Separators for that purpose are being used more
extensively. Farmers are learning that good plump, sound seed will pay a big profit over the ordinary kind. More farmers are using formalin
ore
or treat seed for smut, as those who have used it to treat seed for smut,
report ejcellent results.
Markets are not quite so good here as last Near. Pork is worth $7{ }_{3}^{3} \mathrm{c}$. dead weight, about 3 c
less than this time last year. Beef is about the same. Easter cattle sold for $\$ 6.50$, live weight,
but good butcher's stock would not bring now , inore than $\$ 5.75$. Oats are worth 38 c .; eggs are bec; horses are up export; heavy unes, from
being bought up for
$\$ 185$ to $\$ 250$. Potatoes are worth about 50 c . rey few to export. The appointment of J. H. Grisdale as here. He will make allgood successor to carry out by Dr. Saunders. The new Director being a practical agriculturist, along with his scient is
training, will add to his qualifications. He is
ersonally well known to many of our foremost stockmen and farmers, and, on behalf of them, we

Nova Scotia Notes
The Maritime Horse Show, which N. S., was a splendid success. The display of carriage and
addle horses was the outstanding feature of the
grades were both numerous and of high quality. Several Prices of most kinds of farm products are high, especially good horses market crops here, is very low; practically no sale, and Potatoos are very
ties will be summered over. high, and are being imported from and, as we had
Island. April has been fine and cool, old winter, there is a lot of frost in the ground yet.
a dozen or so Institute meetings have been
during the
 tenced

THE H'ARMER'S ADVOCATE

## The Sayings and Doings of "Donald Ban.

 Donald Ban stopped on the doorstep to shake making just the same as most of thembook farning,", said John, with a smile. he water from his felt hat and his overcoat, and o staup at once.
". Come in out of the rain, you foolish man.
come in and get on dry clothes, and drink a hot oup of tea. What possessed you to go to the The old man sighed contentedly as his wife
hurried him into the bedroom and made him change his clothes, while she scolded him as he deserved. Finally, when he was sitting before the
kitchen stove sipping the hot tea, he undertook o face the storm. "" Why did I go to the "post office in the rain?" slave to the newspaper habit. much as a smoker must have his pipe. It's awful, Janet. I know it is the ruination of me, but I can't help it. I use." He sipped his tea with enjoyment.
He Every day I have to get my little pinch editorial and nip of foreign news and dose of
politics, or my nerves will be all on edge. I wish politics, or my nerves will be all on edge. I too old now. 1 must have my paper every day, and when I get too old to go for it, I am afraid you wh
"Grandpa!" came a little voice at his side. picked up his tow-headed grandson.
"/ Well, well ! If I didn't forget all about your candy." "I mean I forgot to give it to you, not that forgot to buy it," and he went into the bed-
foom to get the little bag of hard-tacle. "There room to get the little bag
you are
". Thank

Thank you, grandpa." That's the way I like to hear a boy talk. Ah ha! I thought you would find that your granny has a sweet tound, and John laid aside the arricultural report he was studying t
"Is there any sign of it clearing up?"
Clearing up ? With that east wind blowing Nonsense. We are in her hearing about when a boy. We were having a very wet spring, for dry weather. 'I will not,' snapped the minister, 'until the wind stops blowing from the east. There's no use praying for fain wean The rain lashed against the roof and wind the and, in spite of everything, something of the whay into the house. way into the house.
" I suppose this rain will do a lot of good,"
grumbled John, " but I wish it hadn't come until at least part of the seeding was over. I sup-
"Oh, well, there's no use grumbling. pose a storm like this has its good side to it, if it were not too wet for one to go out to hunt ior it," said his father. "I found two new leaks coming along the road, I noticed that the tile coming a the back field is stopped up. I guess one of the uses of a storm is to shew as soon as the hings that need puthat reminds me that there is weather aries yat had better get advice from
one thine that
some of the experts about. The council had the main some of the experts about. Thaper or drag, as they roads gone over with a scraper or drag, of good at first, the roads were worse than ever to-day.
They had scraped the mud from the sides of the
a road to the center, and in that way they put a
few inches of clay on top of the gravel. Now, few inches of clit-log drag is certainly a great thing for
the spl roads, but I think the gravel should be
mud remer mandled in a different way ."
" ''ll not have much trote getting you the
not
 went to the hook-case and
After turning over the pages finally read from
the regulations of the Public Works Department, the regulations Highways
with respect to High hare had gravel or
i. 'Where roads have heretofore hroken stone placed on them, they should be re constructed or repa adding a sufficient amount o with a or hroken stone to fill ruts, depressions and properly crowned, the travel. The sod and soft material is to be thrown ont ward, never
se old stone roadbeds are not inin.
"/ That's plain enouech, isn tit it course it's plain enough; almost as
"Of Main as the mud that is on the gravel roads to-
dav. Why council pay attention
". Humph!" said Donald Ban, " if you get long well with your book-farming this year, I'll see next of the folks and have you put in the council Before they had time to follow the argument iurther, and indulge in the dangerous pastime of having a dispute on a wet day, when people's
tempers are always at their worst, there was an interruption. "Grandpa," piped a little voice from
window, "where does the rain come from?" "From the clouds, laddie, and the clouds come from the lakes an
" Ia ! said the little boy. ?" asked John, re membering what his father had said some time ago about having a college that would be con
ducted according to the questioning of the child. Not exactly. That is the kind of answer if I do nothing more than answer it, he is al ways ready with another, and keeps. When 1
have to confess that I do not know. answer more than he asks, I give him something else to think about, and then he leaves me alone for a while. When we were working in the gar den the other day, he cornered know why the wate ran , out of a puddle in the fitle ditch I And I suppose you explained the law " How could I explain to him what I don't nderstand myself, and, if the papers are to be believed, the college prore that aic pro it very well in the States is saying now that, instead of being drawn towards the earth when they fall things are pushed towards it, Butlain it to him here nor there, Then he got asking me questions either way. Then he got asking me quat the earth goes around the sun, instead of the sun going around the ear what I was talking about. Th I didn't know what 1 have been hearing that all my life, I don't understand it, and I don't think many is round or peonle couldn't travel around it, but why it doesn't fall off into space is what beats ./ Then the college hesn't been much of a sucess, has it ? questions the little boy asked me made me understand how little I know about anything. I may know a few things, like things like that, but that is all. We need the questions of children to make us understand what a mystery life is, and how mysterious every to
in the world is. Because we know enough to plant seed and reap the harves a lot, when the get to thinking that we know a lot, whe that
truth is that we know nothing of the things that are worth knowing.'

Grandpa, came the little voice again " what makes the cabbage in this box grow ?" were being started. were "You had better ask your Uncle John." He But to college, wise to undertake the task But John was too wise to undertake the task.
Instead, he got the little fellow's mind off the subject by teaching him , how to "" ride a cockhorse to Banbury cross." Then he got out his afternoon making a kite for his nephew, while Donald IBan read the newspaper.

## Canadian Beet Sugar

## The reports for the three beet-sugar factories

 product of beets grown and manufactured into sugar was 67,373 tons. The aréa planted wasald rea was reduced by 1,700 acres, and the yield per acre was 8.80 tons. ane price paid to growers was $\$ 88$, Re Raymond factory it was $\mathbf{\$ 5}$; at Wallaceburg, $\$ 5.70$, and at Berlin, $\$ 5.85$, per ton. it Wallaceburg, 15.6 per cent., and at Raymond, 15 per cent.; but the actual yield of granulated sugar at the mills was about 2 per cent. less. The Berlin factory gave a sugar product of
pounds; Wallaceburg, $11,348,052$ pounds, and Raymond, $1,202,000$ pounds, which is a total of the crop to farmers per acre was $\$ 52.64$ at Berlin, $\$ 51.30$ at Wallaceburg, and $\$ 34.50$ at Ray-

[^3]Making the Dark Side the Brightest.

As I was educated for ditching and cutting cordwood, I will ask the readers of "The Farm-
er's Advocate" to please make due allowance while I endeavor to give the farmers' boys a lit-
tie encouragement (founded on experience only) the encouragement (founded on experience only)
in regard to the above-mentioned subject. Abbut in regara ago, some of the readers of "The Farmor's Advocate "" will remember that an account
eras given of a wild duck migrating from my place, was given of a wild duck migrating from my place,
and a few weeks later being shot in Anderson, S. C., and that the aluminum band containing my address, taken from its leg, was again in my possession. The publication of this story caused
a number of boys to write to me, and I proma number of boys to write to me, and iprom-
ised to five them a wholesale answer in this journal.

Well, the first pet I can remember having was a young blue jay, I was, of course, very anxious with fish-worms. The next morning the blue was there, but the jay was gone. The next I have any recollection of was when father it around the opossum by the hate to settle a quarrel which arose between my brother and myself over it ownership. I remember we started one spring we had every box on the premises full.' Even father's old wagon box was turned upside down, with a snarl of rabbits under it; and when he
used the box, our troubles were many. As we used the box, our troubles were many. As we knew how to set traps around the rabbits pens, ueighbors' cats haven't got home yet.
How well do I recollect seeing the wild geese
and hearing their "Honk, honk," as we strained and hearing their "Honk, honk, as we strained
our young eyes to see them "way up there," and our young had to look twice before seeing them on their migrating trips as they passed in spring
and fall over the good old State of Ohio. And and fall over the good old State of Ohio. And
oh! how I used to stand with clenched hands and wish I were a man, so I could follow them somewhere and secure one.
In April, 1878, the family having moved, was liberated in this dear old Province of Ontaric
(a sportsman's Paradise), there being twenty (a sportsman's Para, but not logged up, a small, new log-house, not chinked; father mother, and
ten heaithy children, five boys, and five that were ten heaithy children, five boys, and five that were
not ; as happy as rich people. In fact, we were rich, and didn't know it. Now, boys, the fun be-
gan. All kinds of game, and such a variety of gan. All kinds of game, and such a variety of
pets as we had-squirrels, coons, foxes, crows and pets as we had-squirrels, coons, indes crows and
ravens. And I even got a nest of young henravens. And kept them until father found it out. You know, in those days there was one day in the
week that we did not work, and we made every week that we did not work, and we made every
minute count; and, although we had miles and minute count; and, although we had miles and
miles of woods to rove through night and day,
vet yet my ambition was a little higher. So I se
cured a pair of tree-climbers, and then there was cured a pair of tree-climbers, and then there was
no tree high enough for Mrs. Crow or Mrs. Hawk no tree high enough sor as to be out of my reach. Well do I remember shooting my first deer, and
how I burglarized the top shelf of the pantry to get one of mother's pewter spoons. The spoon
had a great handle to its history, being handed had a great hande there this side of Noah. pounded it to remove the ancient look, melted it,
and ran seven small balls, while my unsuspicious mother was looking at the operation of melting and moulding. By daylight the snow had ceased falling, and I put the seven balls in the thumb-
hand barrel of the old shotgun, and started on hand barrel of the old shotgun, and started on a fine deer, and if I had had a melted spoon in
the other barrel, I surely would have killed two. the other barrel, I surely would have killed two.
Now, it is hard to break away from the mem ory of sweet boyhood days, and slip over twenty-
five years of time. IIowever, I must; but, before
doing so, boys, Tet me call your attention to doing so, boys, Tet me call your attention to
your present responsibility. It may the that you
If so, re have two or three vounger brothers. If so, re-
member that you have probably more influence
you things that father never haars. These boys
love you best of all. They think you can do love you best of all. $\begin{aligned} & \text { They think you can do } \\ & \text { even more than father; } \\ & \text { and so sou can, with } \\ & \text { such }\end{aligned}$, woin the case, they even more than father; and so you can, wion
them, in certain ways. such being the case, they
then them, in certainumas. for you on earth. Then, why do you constantly want to be with others, and
leave them behind to associate with some worthlease them bhenind would only laugh at their disgrace Ies downfall? It may be they are going to the
or dity on some excursion, and they are fifteen or eighteen years of age, and you are twenty-one. How can you stand it to see your innocent, rosycheoked brothers run their chances with that bad,
worthless him whest young man as their leader? You kno garbage stories at the threshing bees, etc. But there is a comparison still worse. He is a mar
ried hearted wife, all suffering from his ways. This
hite inhuman brute seems to delight in befouling the



With one of my pets in the back
A word now to you younger boys. Why not
 will wonder often why he acted so; yet in time boy got drowned, just why mother did not allow is to go to the lake and dive off the dock. Yes, it took time to explain her loving ways. My
brother Ted was the dearest of all mankind to me, he loved me more than he did life, but his actions were strange to me sometimes, he being four years older. Later on in life, I had no
sooner started keeping house that he even left his own parents and came and lived with me. Nine years rolled by, and the evening of October 7 th, 1897 , found us both standing with aching
hearts over the form of my only little girl, watching her pass into everlasting glory. Boys, this was hard on me. I had never stood face to face with death before. Father, mother, and ten chil-
dren, the youngest now twenty years old, and not a break; and to see my four-year-old darling go from me seemed unbearable. Just then Ted came around on my side of the bed, put his strong arms around my neck, and his hand on my oppo-
site shoulder, and there wo stood, two men as strong as horses, yet helpless, and between his sobs he said, "Don't cry, Jack. Jack, there is
no one depending upon me in this world, and if I could take her place I would willingly do so, well bovs, for about fifteen years I felt that I had no time to care for pets, as I had my
hands full in making the dark side of life the hands full in making the dark side of life the
brightest financially. But, for the past eight or hrightest inancially. But, for the past eight or
ten years. I have again had some nice pets, and, in irder to give you the advantages of my ex-
perience, I will offer a few suggestions not for
vor to start where I left off. because that time

hasin't come but so that there will be no hank from now on. I have no four-footed pets now, but quite a
variety of birds-golden, silver, and English pheasants, wood ducks, gray ducks, black ducks, pintails and mandarin ducks, and thirteem, wild
geese (pets), and hundreds of pet wild geese that geese (pets), and hundreds of pet wild geese that
don't belong to me. Now, five years ago, just west of my house, was a piece of ground that was a sore-eye to the neighborhood. Wie had left
quite a cavity where we had taken the clay out and all kinds of noxious weeds grew there, and and akes were about the only living things that existed. When a person called to see me, I was always ashamed of this snake harbor, and when
I would think of my new home (that I am stil planning), I would always figure on having iny rooms on the east side, so the morning sum would
shine in, and I also planned the breakfast-room on the sunny side. These photographs, mumbers on the sunny side. These photographs, number
1 and will show you which side 1 will have ny breakfast-room on now. Wild water-fow swimming and quacking; wild geese honking
pheasants crowing and strutting over the lawn pheasants crowing and strutting over the lawn
showing their plumage of so many gorgeous col ors; and when I open the door in the morning
they will all salute me in some voice or other, as I tell you, boy bright that I would be perfectly willing to stay here longer than it will take my poor mother to tind her great-grandmother's pewter spoon. Now
it may be that there is some basin or slough on your home farm. Father may have bought the
land a little cheap on that account. If so, you have a pleasure-ground that will afford you a will be the spot that will attract more attention than any other place in the neighborhood. Dur-
ing dry weather, scrape about one-quarter of an ing dry weather, scrape about one-quarter of an
acre for a skating-rink, then lay a drain to some spring; plant a row of spruce trees about ten
feet apart around it, far enough back to grow well; and put a fence around it to keep stock
out. The fence can be fastened to the spruce trees in about ten years, then the cover will soon
t,e O. K. for game. Feed the ducks in the spring, and don't allow any shooting near. Ducks will soon get tame, and
flock will bring another Feed wild eaese away back where they are most likely to alight. Keep the dog away from them. Never walk straight at them; never stand and look at them. After
they have got tamed down, call to them when
they fly by and around youn and they will soon they fly by and around you, and they will soon
know your voice. Then you can move their feed
and they will follow and they will follow you. Never try to drive
them, and when you feel that you want to shoot them, never, never, shoot into the whole flock,
but catch a small bunch alone when the others are away. Pop the ones that are there, and never shoot at them when over thirty-five yards
away. Always approach them with the wind in your face. They will rise against the wind,
and give you their backs to shoot at. Never shoot at a goose's breast. Never shoot at them before sunrise or after sunset, as a wounded goose
will sometimes fly a mile, and you can get him if you see him go down. Aiways shoot to kill, tales. Keep your head on top of goure tells no and be very careful with your gun, and obey the one man that has charge of you young shooters. There is nothing much nicer than about twenty-
five good fat wild geese every season, distributed throughout the neighborhood.
Boys, the poorest management I know of on earth is carried on by some men who call of on
selves sportsmen, shooting every bird in eavist and then wondering why they are not more plentiful the next fall. Think of shooting at wild geese and ducks entirely out of range, and, as
soon as they alight, sending a pall screaming
(iown the field (no possible chance pither just to scare them away, apparently afraid they will get a kernel of corn, and then expect them
to come back. Say. if you went to a strange hotel, and before you had time to enter, someone you turn around and go back in ? Not if you had been scalded as many times as some of these
reese have been shot. The most of them we get geese hare
have different-sized shot in them.
I have stocked this township fairly well with I have stocked this township fairly well with
English pheasants, breeding them in captivity, English pheasants, breeding them in captivity,
and then liberating the young. These birds are and then liberating the young. These birds are
like domestic fowls. One cock is enough for ten or fifteen hens. Yet men will shoot the hens, when either a deaf or a blind man can tell them
apart. Boys, here is a good guide to success. Go apart. Boys, here is a good guide to success. Go
exactly contrary to the majority of sportsmen, then you are on the right track, and, by helping A word now on the feed for young birds. When A word now on the feed for young birds. When
I was a boy, I fed fish-worms, corn, etc. Now
that is the proper thing to kill them with. But the best feed for birdlings is custard, one cup of
milk to one ega (no surar) milk to one eqge (no sugar). A bad boy went
past my place two years ago with a. 22 rifle.
The next day I chanced to look at the robin's nest in the spruce tree near my house, and one o
the young robins was dead, and the other two
just alive. Thes were not over one week old

1 april 27， 1911
but their stepmother，Jack Miner fond in less than two weeks they were hopping alter se them fiying after me．They were the
to see the
to sweetent they disappeared．A few days after
and the
and
also found the old birds deal，with found thent，als allethole in each one． 1 have seen thirteen
 litle custard．Mou will darken the nest where the
overfeed．IP old hen etc－untir young are perfectly dry，she will
quail ，etc unct them．In raising wild birds with not hen，always pen young in with her for three or four days；then they will not leave her．hose all hice
who be ben in quiring about quail，I may say
what that I have none of my owno And the laws about one allow me to even catch you one out
will not（his is a good law）．Next November will try to get a fow．

thre
two
and
near
now
how
the
back
 itdressestent There was juat garkey sempls and Eive people were surp， is potatoes were scarce during the winter months，
 course in Ontario Agricultural college，and S．A． They complimented the farmers present on their grand showing and success．Farmers＇sons are taking a great interest in the annual fair and
exhibitions，which will help to popularize the farm with thems．Mention must be made of Rod．
Chisholm．Lower south River，in winning three Chisholm．Lower South River，in winning thre
firsts and one second prize－very good for a first
 Brompoot，West River，for the best exhibit of
Bhite Russian wheat and Banner oats，won in 1910 by Taylor Bros．，willowdale Farm，was this 1910 by Tayhor time taken by Ronald Chisholm，Briley Brook．


The Boy，Father，and the Fapm．
＂subscriber farm，and also，by observation，knows whereof he speaks，writes＂The Farmer＇s Advocate on the
iperennial topic，＂Why do Boys Leave the Farm．＂ Herecalls particular attention to cases of young men，probably of age and married，with young children coming on，and yet not even rece to them stated waye father＇s decease，confessedly an unsatis factory state of affairs．He concludes his letter with the following excellent suggestions in solu tion of the problem，how to keep boys on： ＂First，we say，have confidence in and respect for your boys，if you desire them to have the sam n you．Keep your promises with them，and en
ourace by taking them into your condidence，and ive them some share or interest in the farm of Stock as early as possible and do not wait unti men before they can claim anythin


eath ；it＇s cheaper than finding out after，and hore satisfactory．Make the work on the farm， issociate and work with the boys as much as you can．Do not put all the dog won their minds and never iorget to had at their age．No wonder boys leave the farm．Allow them to do part of the time the work they enjoy can afford to have it，get it，and like best，if you can afford．Give them the best farm implements you can afford to work with it will discourage any boy and the hired man have a good outfit．Encourage them by being your self tidy，but don＇t work night and day．Teach them to value stock and produce，buy and sel
Give them the best practical education for their business you can．Do not neglect making you will or having it made while in health，and chang as often and your son to pay，in ad o not load legacies or your not have courage to dition to your debs，huply the best farm literatur ou can afford．Read it youself，and discuss with
he tovs．And if they have any fancy at all for the bovs．And if they have any fancy at all for farm life，
the farm．

## A Walk in Spring

walk along a country road one day spring．Some men affect to despise this means of locomotion．I a mould like， ，do prevent any misunderstanding，to express the opinion that，with all man＇s inventive genius，he has never yet once so enjoyable，so in－ structive，so practicable，safe and healthrul as the means every hormalive genius．
Not everyone can possess a horse and rig．A still smaller number can possess an automorite， and，besides the risks to life and property，the automobile rider cares but only for the rate at nature around him，
which he is leaving the miles behind him．Like－ wise，the bike－rider，hump－backed and red and sees naught but the dusty road speed．The train
thinks of little but his rate of must follow certain prescribed limits in of the which is true，though in a mentioned，and the ob－
methods of travel already ment methon to speed and lack of time and opport ap－
jection
for any meditative communion with nature aird， for any meditat．Even flying aloft as a bird，
plies also to it． though the exhilaration of speeding on to be com－ of the wind may be expercticability and real enjoy pared for safety and praclicaian pedestrian method thent with walked．The sun was shining brightly
So I from a clear，blue sky．A gentle zephyr tops of the pines．Here and there，on some northern ex the pines．patch of snow，soiled almost beyond recognition，still a little stream that trickled way to join some larger torrent，and so be orne on and on to join the mighty oceanisla was less，rolling tides．The grass in the of decaying veringing and showing a pure and unde veeenness，promise of rich pastures in June．Ance． little viotet peep the trees were just budding out． The thins were ioyous and glad，in keeping with the spirit of springtime．
A ground－hog came out，blinking in the sun， sat up on his haunches，took a look at the passer－ py，then，again．A song－sparrow was perched on a hazel－bush，pouring forth strain of melody with a veritable abandon of delight．A red squirrel came dashing along the rence，as though the
existence of a whole kingdom depended on his reaching his destination in the shortest possible time．He noticed a great biped standing watch－ ing him，and with an the side of a tree，as though in
and dashed up the sid life．He didn＇t go far． mortal terror of of the lowest branches，he pro－ Stopping on one of the owest of the intruder in most vigorous and expressive squirrel language
fo expressive was his lansuage，in fact ing iny readers sense of propriety by repeating and bottled fury he appeared to be as he stampe and fumed around there，
only by the exercise of the greatest self－contro
of down and engaging in mortal combat with his enemy．But，like
sreatest terror is his tongue． I passed leisurely along，which is the proper way to walk along a colntry roan，so long as it
poke along，use any term yol like，so


Reciprocity Gives Better Markets.
$\qquad$ There has been so much discussion of the reci-
procity question oi late that the average man is getting tired of it, and what is wanted now is, not more discussion, but to bring the pact inthe respective Governments a try-out. There are, however, "interests" that think they may get however, if not now, later-and would like to stave hurt-lif not now, change, and would " let well enough alone." But these same interests were but a short time ago crying out for more protectiona greater power to "bleed " the many, and make fortunes for a few. These "interests " know how to keep up their side of the question by the aid of some " smart Alecks" employed to do the talking for them. They would even try to make farmers free entry to another market for bars, groduce, will be an injury, rather than of general benefit. One thing is very certain: there had not been a strong demand from the consumin ${ }_{5}$ public over the line that the tariff wall should be knocked down, so that they may obtain Canadian food products, there would not have been such an agreement made; at least, one so favorabie to the Canadian manufacturers. No administration in the states would have proposed such a pact a few years ago. Would have necessiprocity, only a few years ago, wow on manufactured articles, as well as on food products. That would undoubtedly have been still more in the interest oi farnuers. Farmers have obtained such small favors from our legislators that we may consider it well that we get half a loaf. Much of the trouble is caused by the interested parties because they think that once the wedge is entered the hamwering will continue, until the whole wal is knocked down. There is no doubt whatever that there has been a shortening of the food sup-
ply in the American Republic, and there is also no doubt that the consumption is increasing much
faster than the production of foods. Such being faster than the production of foods. Such being
the case, Canada stands to get a present benefit and a growing market for farm produce, and what we should produce are those crops best
suited to our climate and soil, leaving to more southern districts to produce what is more suited
to their climate and ooil. Then all are working to their climate and soil. Then all are working
with nature, and such will need to be done, if the teeming millions oi the world are to be fed.
About the only one deserving of pity in this About the only one deserving of pity in this
deal is the American farmer.
He has had to carry the tarmers are being told, that building up the cities will make a great demand for his prod ucts; and now, just as he sees the plum ready tariff against foods be lowered, and thus he gets
no protection. Hitherto he has not benefited though compelled to bear tariff burdens. Farm
ers can get no benefit from tariffs. When they ers can get no bene their country requires, the
produce mare than
foreign market fixes the price. When consumption stops exports, and prices get higher, the consum-
ers demand the lowering of the tariff. No na tion will stand for long a tarifif that increases the
tion price of food. So that farmers need not be de
luded that they are going to receive a future bene fit by bearing present burdens. Talking about
burdens, it would seem that other interests con-
sider it lout natural to place the burdens all on the farmer. There are the meat-packers. for in-
stance ; they seem to think that prices for stock will go higher, and they will not be able to
operate, or at a less profit. That is cooly ask
ing the farmers to take less for their stock. in ing the farmers to take less for their stock, in
order that the thackers may continue to make a
few more millions. And so it is in other lines. There are people who seem to think it nothing
but right that farmers should bear all the hurdens, work hard, live poorly, and all the hur-
thess for
thor their automohiles, winter with the hirds in the born every minute"." acquainted with real auri miltural conditions. this cry " leave well enough
alome." dues not appeal. Dur rural population
$\qquad$
$\qquad$

[^4]order to do so, the farmer has been taking t
much fertility from the soil and not enough. There must be much more labor put on more stock must be kept. That means more work and more money must be spent upon the
crops. The only way more inonev can be spent crons. The only way more money can be spent
by the farmers for labor, etc., is that they must get better prices, as no one will contend that farmers are making too much. To get bettel and best market. By reciprocity, we lose nu market, but we gain another good one.
Oxford Co., Ont.
GEO. RICE.

## Oxford County Graft Case

$\qquad$ eaded guilty to three indictments brought in by the grand jury. The first was for receiving two commissions of $\$ 480$ and $\$ 260$ from the SawyerMassey Co., on machinery sold the county council. The second was for incucing the councy coad for $\$ 2,000$, far in advance of its value, by misrepresentation, he being the owner of the road. The third was for accepting 340 from an agent of the J. I. Case Company for road rollers and other machinery purchased by
the county. Counsel for prisoner announced that he would make full restitution to the county of all sums unlawfully received, and appealed for
leniency. The crown council intimated that there was a willingness on the part of the county of-
ficials to accept the settlement. Chief Justice Middleton in pronouncing sentence, enlarged upon the serious nature of the crimes, and said had a jury found him guilty he would have been com pelled to sentence him to ive In view of his age and other considerations, he allowed him to go on suspended sentence. The outcome of the case will be a severe warning against "graft " in municipal

## Coltart vs. Winnipeg Exhibition.

Judgment has been given at Winnipeg by Ju hibition managers as a test case. The plaintiff, Coltart, of Beulah, Man., in 1909 made an exhibit of Japanese spaniels at the Ninnipeg Indusnately cortracted distemper, from which, subsequently, 24 died and 3 were permanently injured. Damages were claimed at $\$ 2,525$, and $\$ 200$ for negligence on the part of the exhibition authorities, who claimed, however, that plaintiff accepted Che conditions laid down in the rutes and regulavions of the show. co. concluating his lengthy redefendants had exercised the reasonable care that they were bound to use, and dismissed the action with costs. Dr. Bell, the general manager and
secretary of the exhibition, is of the opinion that had a case like this gone against the association, all shows with which are associated stock, poul-
try, dogs, etc., would be greatly handicapped, and. in fact, botards of directors made liable for dam

New Superintendent B. C. Experi mental Farm.

1. H. Moore, a native of Nova Scotia, and
uraduate of the Ontario Agricultural College, has been appointed superintendent of the Dominion succeed Thos. Sharpe. At the first of April, this
year, Mr. Moore finished a year's service with the Commissioner. Wishing to get back to the land he accepted the position offered at Agassiz, and
s planning an enervetic course of procedure, with increased attention to live stock. The farm is
heing put under a four-course rotation, and an inexpensive though modern cow stable is being
built I small, up-to-date dairy will also be erected, and a herd of 40 or 50 good grade Hol-
stein cows put in. A first-class bull will be used und the herd bred up graduall Mr. More the whole
thing on a farmer's basis. Mr. Mores with experience and native capacity the enterprise and enthisiasm of youth, and should accomplish
goond work in the interests of British Columbia

Foot and Mouth Embargo Removed.

Cow Ties and Mangers-A Corpection

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THE CANADIAN BANK OF COMMERCE ESTABLISHED 1867. Capital paid-up,
Rest, $\$ 7,000,000$. The Canadian Bank of Commerce extends to farmers every facility for
the transaction of their banking the transaction of their hankiog
business, including the discount or collection of sales notes. Blank
sales notes are supplied free of charge on application. Accounts may be opened at any
branch of The Canadian Bank o Commerce to be operated by mail,
and will receive the same careful attontion as is given to all othe
departments of the Bank's busines departments of the Bank sbusines
Money may be deposited or with
drawn io this way as satisfactoril
as by a persomal visit to the Bank.
MARKETS
Toponto.
At West Toronto, on Mohday, April 24,
receipts numbered 72 carloads, comprising
1,667 cattle, 156 hogs, 74 sheep, 82 calves, 6 horses. Quality of cattle good
Export cattle sold at $\$ 5.70$ to $\$ 6.60$, prime picked butchers', $\$ 5.80$ to $\$ 5.95$ prime plcked butchers, $\$ 5.80$ to $\$ \mathbf{}$ good loads, $\$ 5.60$ to $\$ 50 ;$ medium,
$\$ 5.20$ to $\$ 5.45$; common, $\$ 4.80$ to $\$ 5.15$ cows, $\$ 3.50$ to $\$ 5.10$; bulls, $\$ 4$ to $\$ 5$
milkers, $\$ 40$ to $\$ 70$; calves, $\$ 3$ to $\$ 5.5$ per cwt. Sheep-Ewes, $\$ 4.25$ to $\$ 5.25$,
rams, $\$ 3.50$ to $\$ 4$ Hogs, $\$ 6.50$ for melects, fed and watered and $\$ 6.20$
try points.
review of Last week's markets The total receipts of live stock at the City and Union Sto
week were as follows


| Horses | … ... | $\cdots$ | 22 | 103 | 125 |
| :--- | :--- | :--- | :--- | :--- | :--- |

The total receipts at the two yards for
the corresponding week of 1910 were as follows


FOUNDED 186 :
c. and 10 c . per lb ., according to quality


## Chicago.

Catce.-Beeves, $\$ 5.15$ to $\$ 6.60$, Texa
steers, $\$ 4.60$ to $\$ 5.60 ;$ Western steers,
$\$ 4.80, ~$ $\$ 4.80$ to $\$ 5.75 ;$ stockers and feeders, $\$ 1$
to $\$ 5.70$ cows and haifers, $\$ 2.65$ t.
$\$ 5.75 ;$ calves, $\$ 4.75$ to $\$ 6.50$.
Hogs. - Light, $\$ 5.95$ to $\$ 6.35$; mixed, Hogs. Light, $\$ 5.95$ to $\$ 8.35$; mixed,
$\$ 5.85$ to $\$ 6.30 ;$ heavy, $\$ 5.70$ to $\$ 6.20$;
 $\$ 0.2$ heep and Larnbs.-Native, $\$ 3$ to $\$ 4.70$ :
Western, $\$ 3.15$ to $\$ 4.70 ;$ yearlings, $\$ 4.30$
To $\$ 525$. lambs, native, $\$ 4.50$ to $\$ 6.25$ : to $\$ 5.25$; lambs, native,
Western, $\$ 4.75$ to $\$ 6.25$.

## Buffalo.

British Cattle Markets
Liverpooi.-States and Canadian steers,
12?c. to 13 c. per pound. Wool lambs, 17c., and clipped lambs, 14 kc . per pound
wethers (clipped), from 11 kc . to 12 c . per

GOSSIP
Hackney brood mares, and filliee broken 10 ride or drive, are advertised for sal hoxville, Que. The breeding and quality are assured the prices are

SALE DATES CLAIMED.
27the
din Toronto; T. H. Hassard April 27 th. - In Toronto; T. H. Hassard,
Markham, Ont.; imported ponies. May 23rd.-W. F. Elliot,
Holsteins and Clydesdales. May 24 th.-Dr. D. McEachran.

It affords me great pleasure to renew my subscription to "The Farmer's Advo-
cate," as I could not very well get along without a paper containing such a wide
scope of useful information. Am having a very successfulu season with my Cots-
a
wold sheep. seventen lambs dropped from wold sheep, seventeen
nine ewes, sixteen alive, and large, vigor-
ous lambs, pairs weighing up to 32 lbs. ous lambs, pairs weighing up to 32 lbs.
wen dropped.-J. A. Caldwell, Simcoe TRADE TOPIC
$\qquad$
$\qquad$
$\qquad$
$\qquad$
remembering the sabbath.
The reverence for the Sabbath in Scot-
and sometimes takes a form one would
$\qquad$
"They're a Cod-faring set o' folks here,
ir, 'dece they are, and Ill give ye an
nstance o't. Last Sathath, illst as the
kirk was skalin', there was a drower chap
(ran Dumerics along the road, whistlin'
middle o ' ' ta week. Weel, sir, our laads
"So you don't guide hunting parties,
"y more?" asked the stranger. "Nope,"
said the guide. "Got tired of teing mis-
said the guide. "Got tired of being mis-
tyok for d deer.", "How do you earn
your living, now?" ""uide fishin' par-

Little Trips Among Em inent Writers.
william Dean Howells
When one thinks of those who have bridged over the gap lying between
the group of American men of letters the group of Amed with Holmes, and the present, one inevitably thinks of William Dean Howells. Mark Twain

Sometimes in these novels Dr. Howells misses the true artistic
touch by the mere fault of telling too
much. he is not impressionistic much; he is not impressionistic Again, he dwells too intensely, on triles, as in "Fennel and Rue, in
which the reader can scarce but feel
that here, truly, are many words that here, truly, are many words
about nothing; or he permits his about nothing ; or he permits his
characters to indulge in a sort of introspectiveness bid conscience,"" as did Dr. Faulkner
in "A Shadow of a Dream." Everyin "A Shadow of a Dream." Every
where, however, there is a pervading where, however, there is a pervading
cleverness; everywhere an exceeding
delicacy and fineness of taste; often delicacy and fineness of taste; often
there are touches of a dainty and there are touches of a dainty and
wholly charming humor. As one wholly charming humor. As one
reads on, too, one descries, here and reads evidences that the writer is
there, end there, eng occupied more and more
becoming
with the serious problems of life. One perceives that he is perplexed and perceived by the wrongs of the world the injustices and incongruities that all who think must see, the mysteries
of the conflict between labor and of the conflict between labor and
capital, the pity of it that so many men and women must struggle and chance." And then, if one is conversant with the theories and of the
ments of the eminent men ments of the striven to turn the
past who have site social disorder into better channels
one begins to see the influence of one begins to see the lime Morris,
More, of Ruskin, of William Mor is and Count Tolstoi; and so one is not surprised to find that at last dream
Howells launches forth into a Howells launches forth into a dream-
of a Utopia of his own, first attacking existing conditions in "A Trav eller from Altruria," then outhining
others more millenial in "" Through others more millenial
the Eye of the Needle.
To many, these books of Socialistic (quite "Christian Socialist") flavor will appeal most; yet others will be their intensive descriptions, contradictory women, and men of fine conscience and sometimes ultra-gentle-
manly nerves; but there will still remanly nerves; but there wil stilumes that will be regarded by many as the cream of Dr. Howells' writings,
his delightful books of essays and his delightful books on ""Venetian
travel, two volumes on Life," "Tuscan Cities," Modertion,"", "Impressions and Experiences, "quantances," "Letters Home," "Heroines of Fiction," "Literature
and Life," "Certain Delightful Engand Life,"" "Certain Mark Twain."
lish Towns," My Mast Whatever' one's preference, one must
feel that William Dean Howells has has tried not to live in vain. He has
tried to turn the ideals of the people tried to turn the ideals of the people
of this continent to higher things. "They "(Americans), he says, are
purely commercial, and the thing that purely commercial and sold has logi-
cannot be bought and cally no place in among preachers the arts, writers, musicians and hu-
manitarians generally, who have seen
mhich without manitarians generally, who have seen
the vision of things which, without money value, are yet worth while
me to he has attempercialism. As we look at these men, they seem to sturdily, yet fu
few solitary piles, stur in the way of an few soltanding in the way of an
tileely stane wonder
overwhelming flooi, One c overwhemme far future age, their live
if. in some "illl hear sheer self-disgust, turn volun
will, of and eb
taril, from the hightide simpler, an back to saner. and simpler, and
from an eminent critic. On the pub-
lication of " Delightful
English lication, of "Delightful English Towns," Madison Cawein said, in
New York Times : "Mr. Howells' earlier reputation has given him just place in the forefront of literature of
our country, but now must come the our country, but now must come the to the best in any country. Hiz
kinship to Henry James, to Walter Pater, is unmistakable in the rich unfolding of his art, the absolute re
pose of style, which is the highest pose of style, which is the highest
art, and which bears so subtle a re-
lation to the deeply psychological lation to the deeply psychological Yet, is it not just possible that the influence of Dr. Howell s social
ideals may live when his style, his ideals and his psychological studies
art, and
have been well-nigh forgotten?
$\qquad$ IFrom "Through the Eye of the Needle,
by William Dean
Howells.
Mrs. by William Dean Howells. Nrites to a friend in New
Homos writes Of course, there was the greatest curiosity to know what Aristides' Wife looked like, as well at about our engagement before $I$ broke it; and my clothes were of as much interest as myself, or more. you know, had purposely left my latest Paris things behind, so as to come as simply as possible to the simple life
litruria, but still with my big of Aitruria, but stees, and my picturehat, and my pinched waist, I felt perfectly grotesque, and I have no
doubt I looked it. They had never doubt a lady from the capitalistic seen a lady from but ore, buty now and then a whaling-captain's wife who had burning to examine my smart clothes
down to the last button and bit of braid. I had on the short skirts of last year, and I could feel ten thou-
sand eyes fastened on my high-heeled boots, which, you know, I never went to extremes in. I confess my face scarecrow I must look, when I
glanced around at those Altrurian women, whose pretty, classic fashions made the whole place like a
field of lilacs and irises, and knew that they were as comfortable as they were beautiful. Do you remember some of the descriptions "Prinundergraduate maidens had it at schoo
cess "-I know you - where they are sitting in the palace halls together that.
something like I got out You may be sure that I gol our
of my things as soon as I could bor row an Altrurian costume, and already my Paris confections, are Richard
hung up for monuments, as
III savs, in the Capitalistic Museum, where people from the outlying regions may come and study them as
object-lessons in what not to wear. rather hard on me, and at first it did seem pretty intimate, having
things in a long glass case, and it gave me a shock to see them, as it had been my ghost, whenever I
passed them. But the fact is I was
Bared than hurt-they were more ashatned and stupid and useless. I
so ugly
could have borne my Paris dress and could have horne my Paris dress and those ridiculous high-heeled, pointed-
toe shons, which the Curators had stood at the bottom of the skirts.
Ther looked the most frantic things Thes looked the most frantic things
youl can imagine, and the mere sight you can imacine, and the mere sight
of them made my por feet ache in
the beautiful sandals $T$ am wearing
sandals, you say good-bye and good-
iddance to shoes. In a single month my feet have grown almost a tenth as friends here encourage me to believe that they will yet measure nearly the classic size, though, as youth, and can't expect them to do miracles.
nslaving The shopping here is not so nslaving as it is with us-I mean, with you-because the fashions do not change, and you get thinga only want them, or when other people think you do. The costume was era began ago, when the Altrurian ists, and it would be considered very bad form, as well as bad morals, to
try changing it in the least. People colors but if one goes very wrong, colors, but ir one goe far wrong as to ofend the pubic taste, she is gently admonished by the local art commission; if she
insists, they let her have her own nsists, they let her have it when whe knows that people think her a fright. Of course, the costume is
modified somewhat for the age and shape of the wearer, but this is not so often as you might think. There people, though there are old and young, just as there are with us. much litrurians keep young very do, and the life of work keeps down their weight. You know, I used
incline a little to over-plumpness. I have lost at least twenty-five pounds
travelling so much, and living very

Hope's Quiet Hour.

## Oriental Customs

esterday I had the pleasure of hearing
a Christian Jowess talk about the cusspoke particularly about life in Palestine and in the desert of Sinai, throwing considerable light on many passages of people are Manctly the same as they were wiwo or three thousand years ago-or everi longer. I will try to remember some of he interesting things I learned, so tha about them. I will not try to repeat the exact words of Miss Ben-Oliel, but Four men, supposed to be blind and dressed to represent the part, walked carefully along. The first-an ord man his way The next walked more confently, with his hands on the shoulders of the leader. Behind him came another and another. Then the loader in a heap on the platform. Blind men in Eastern ountries often walk like this, so our Lord was using a familiar scene to enustrata "blind leaders of the blind" were unsale guides.
There has been considerable discussion who stole to the side of Sisera as he lay asleep in her tent, and killed him by driv-
ing the tent-peg into his temples. It ing the tent-peg into his temples. It
seems to us to have been an act of treachery, utterly forelgn to our ideas of
desert hospitality; and yet Deborah, the

of welcoming the weary general, for when
he asked only for water, she gave him he asked only for water, she gave hay
milk. But a knowledge of Arab ways throws considerable light on the matter
Sisera came to Jael's tent-the tent of a Woman. That was a crime which was
punishable by death, as he very well punishable by death, as he very
knew. Ho asked for water, and if Jael had given it to him, she would have
bound herself in a covenant of friendship bound herself in a covenant of friendship,
so that she could not have killed," him. She avoided the "water covenant," and
offered sour milk or buttermilk, which has a marvellous power of making people sleep. Then she took a strong, sharpened wouden stake, used for a tent-peg, and the stone
mallet which looked almost heavy enough mallet which looked alth marvellous daring, struck the blow which destroyed a hated foe. If the men of her own people
had found Sisera in her tent, they would had found Sisera in her tent, they would
have killed him and her too. It was probably as much an act of self - defence probably as the killing of a sleeping lion; and she
as
was a "woman in the tent," not a Chriswas a "Woman in the tent," not a Chris-
tian. Wo, who have Christ for our Guide, have a far higher ideal of the treatment of an enemy, and can never b
judged by the same standard as $J$ Jael. judged by the same standard as Jael. onemies, and is trying to reach sanctuary enemies, and is trying to reach sanctuary
ho may find it impossible to reach the holy place where he will be safe from pursuit. Then he may call loudly the
name of some great chieftain, demanding name of some great chieftain,
his protection. if the chief is within reach, he is bound to call his men to his side and hurry out to the defence of the
man who had implored his aid. If he man who had implored his aid. on him, even at the point of death, he is bound to avenge him, even though th dead man may have had no clain on
him-for the honor of his own great name him-for the honor sing Scriptural references to the Great Name of God. "Some trust in chariots, and some in
 must bo when we call on the Name the is above every name, for there is noig

 might be an enemy before. So
that Israel would deal very treacherously with Him, but "For My Name's sake will
I defer Mine anger."-Isa. 48: 9. Though His people were rebellious and disobedien yet He saved
'I wrought for My Name's sake, that it
should not be polluted before the heashould not be polluted before the hea-
then." the covenant of water, the covenant of bread and the covenant of blood. One
who drinks water with another is his lriend for a short time, to eat bread wit ing about forty years, but the blood covenant is the strongest pledge of fel-
lowship possible. No wonder the Samaritan woman was amazed to hear a Jew
ask her for a drink of water. There was a condition of perpetual hatred existing
between Jews and Samaritans; yet this between Jews and Samaritans; yet ans
Man was offering her His friendship, although He knew her degraded character
as well as her race. God linked the Israelites in a bond of triendship with
Himself by all three covenants. In the


THE FARMER'S ADVOCATE
 Strangers had eaten of the choicest food hide from Abraham that thing which I
do." So, also, when the Risen Lord was walking with when the Risen Lord was He hid His identity from them. But, when He was eating with them in their
home, as soon as he had broken the bread home, as soon as he had broken the bread
and given it to them, their eyes were and given it to them, their eyes were
opened and they knew Him. Their Friend opened and they knew him. could not eat with them and withhold
His confidence. Then, when He provided breakfast for seven weary fishermen on
the shore one morning, He revealed to the shore one morning, He revealed to
one of them the manner of His death. Is it strange that in "the breaking of the Bread" we find God
Himself to His friends?
When Judas was meditating treachery against his Master, a token of tenderest fellowship was given to him, to win him back to loyalty. When the Lord dipped the false apostle, He was calling him Friend" in the most solemn and sacred
vay. How could Judas go out alter that and complete his terrible covenan
with Satan? No wonder St. Paul says with Satan? No wonder St. Paul says;
'Ye cannot drink the cup of the Lord,
 alem of tho
her love for him. over her heart spoke which enso the right to lift it. The bride had thought about the bridegroom constantly and had heard much of him. She loved him, though she had not yet seen him,
So also the Church learns to love Christ while she is busy adorning herself with the gitts He sends to her through the Holy Spirit-the manifold gifts of grace.
She prizes the gitts for their great value and also because they are love tokens trom the Bridegroom who is still invisi-
ble. She thinks of Him and speaks Him, listens to His voice, serves Him, and goes where He bids her, and deep in her heart is a growing love for the One
who is altogether lovely. Because He ho is altogether lovely. Because He
without spot of sin, she is always hun gering and thirsting atter righteousness
She knows that when at last the cry i heard: "Behold, the Bridegroom cometh!" He wants to "present her to Him self a glorious Church, not having spot, We are members of the Church, the Bride of Christ. Is He pleased with the
way we are preparing for His coming Are wo joyously conscious that He is ith us always, though unseen?


The Hepatica

Judas only received the outward bign, ." Through each labor, like a thread
Thee." Dor Fanneon
The Beaver Circle

## Senior Beavers.

fo." Co So
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
(4), mixy
came to nom
heard a talk on birds a couple
eeks ago, given by a man who knoy them so much that in summer mornin he often starts out at four o'clock in th morning to listen to them, and see wh
they are about. He usually goes on they are about. He usually goes
hicycle, carrying
a them through, and he has learned to so still out in the fields and woods quite close, so that he can observe auite close, so that he can observe th trouble. There are trees opposite dining-room window of his house,
and here he keeps scraps of suet and here he keeps scraps
other food that birds like, that all the year round, even in wing. he has feathered visitors every day.
I wish you could have been with me th
hear his talk about it all,-but then there hear his talk about it all,-but then there
would scarcely have been room for us all would scarcely have been room for us all you would have gone out feeling that you loved the birds more than ever before, and that you must more than ever thef
try to encourage and protect them. of course, you and I know that hind Of course, you and I know that birds armers have, and that if all the birds
were killed, our war against insects would bo twice as hard. Nearly all birds eat insects, and so help to keep the trouble-
some pests down. But there are other reasons besides this for our protecting
them. Have you ever thought what a dull. (... no birds to sing to us?-no bright quick wings to flash in and out among
tho trees?-no interesting little dled in the grass, or swingiog from And then our very sympathy for the love heir hard lite shoukd teach brings me to what the mam of whom especially of the long, tiresome journey
the little things have in coming to us on the fall again. It is no Pullmaneach two little wings beating their way
over hundreds of miles, somot mes thousands (always at night, as the birds feed nd rest during the day), beset by dan wers storms, and cruel men and boys
with guns, and cats, and large birds of
prey, and, worst of all, the network of telephone and other wires against which killed! What a longing there must be
in the little hearts which keeps them go ing on, on in the face of everything, until they finally find peace in the old nesting place, perhaps in your orchard, or you
woods, or beside your window : Ho do they find their way so well ?-for it
has been proven many times that, it they escape the dangers on all sides, they really
do come back to the same old nesting place, year after year.
Birds sem very happy, yet our lecture Birds seem very happy, yet our lecturer
told us that out of every nest of young as an old, grown-up bird. Something cruel happens to all the rest. Indeed He knows he has enemies on every side and so he keeps watching about with his
bright little eyes all the time, turning his little head even while he is feeding, to see
if anything has designs on his life. Now, on t you think we should not add t
his fear, but that we should try to le him understand that we, at least, will Most of our Eastern birds, the lecturer fold us, come up from South America, of the West Indies, in the spring. They use
the West Indies as stepping-stones, than ross the Strait to Florida, thence up here into Canada It seems strange that the United States avernment does not pass a law prohibit states, where, it is said, thousands of
rolins and meadowlarks fall every year hiefore the guns of wickedly thoughtless pot-hunters, while the more brilliantly purposes. Twenty or more years purposes. Twenty or more years ago,
the red soldier bird was not at all rare in Canada; now one is scarcely ever seen,
all because foolish women chose to think
that little dead bodies of birds improved that little dead bodies of bfrds improve
their hats ,


round and push it towards the child,
leaving one-half the mattress clear. Roll the clean sheet sideways for half its
width and lay it on the cleared space with the rolled part towards the child.
Tuck the free side under the side of the mattress, making it smooth. Lift the soiled sheet on to the clean sheet. Go the soiled sheet, unroll the fresh one, and tuck it firmly under the mattress at the The upper bedclothes must be kept wrapped
process.
To change the top sheet, straighten the clean sheet over the upper blanket. it will amuse him to hold the upper edge while you work. Otherwise, pin it to
the pillow on each side the child. Standing at the foot of the bed, draw out the
blanket and lay it on top of the clean
sheet. If there is a second blanket, do the same with it. Lastly, draw out the soiled top sheet, unpin the clean one fro
the pillow, and tuck it under the foot Unless a child is very restless, it is best not to tuck the upper bedclothes in at
the sides. If properly done, both sheets have bee changed without inast. Sometimes it is necessary to turu the mattress, or to replace it with a fresh one. If the child is too ill to be moved
from the bed, procure two long, stout ticks, fold the upper bedclothes towards
im, keeping him covered. Loosen the under sheet, and roll each side around one of the sticks, forming a kind of litter. One person standing at the head of the
bed, and another at the foot, can lift the patient in this litter by taking hold of the ends of the sticks, and hold him sus-
pended comfortably while a third person turns comfortably while a third pers
thattress, or changes it for a other, if necessary. The under sheet is
easily arranged again when he is laid TO PROTECT THE BED. A square of rubber cloth, stork sheet-
ing, or even white table ollcloth, can be placed in a sheet folded lengthwise, laid
across the middle of the bed tucked firmly ander the mattress on each side. This draw sheet, as it is called, can be easily
rolled up and changed without disturbing rolled up and ch
To do it, the child is moved to one side othe bed, and the fresh draw sheet rolled and laid
Pads may be made of several thicknesses waste, or any soft, absorbent material on oop, and covered with cheese cloth, or old
cotton. These can be burned, and save cotton. These
Changing the nightdress. To change the nightdress without overing the child, the bedclothes must
oe arranged to cover the chest up to the sharanged to cover the chest up to the
hin. Putting her hands under the clothes, the mother draws the nightdress well up
under the arms, so that the child lies upor as little of it as possible. Unbut-
toning it, she draws the arm nearest to toning it, she draws the arm nearest to her out
child's
s
alghtdress
The clean

arem inpma


1 puat not bot ino alphem
if the child is res
the upper coverings, a broad apis,

[^5]Price, ten cents per pattern. Addres,

## The Ingle Nook.

$\qquad$
 (3) When enclosing a leter to be forwarded to
anyone, place in in statred envelope read to
be sent on. (4) Allow one month, in this be sent on. (4) Allow one month, in this
department. for answers to
questions to appear.

> Garden Affairs-Warble Taking it for granted that all "The Farmer's Advocate" women are interested in either the making or directing the that perhaps some of my experience and
methods might be of use to someone else, nethods might be of use to someone else one else to write something to "'The
Farmer's Advocate" that would be of use To me.
To begin with, my garden is always alongside the mangel or potato patch, in
rows of the same length, for the sake of vinenience in scuffing. I find that my
vinast as well in the long row as in hills, and scuffling gives plenty of fine,
loose earth to draw up around them. Just here, I will give my method of get-
ting rid of striped beetle. I have used
this remedy this remedy successuly for years, and
have known it to banish that other
frisky beetle, whose chief characteristics trisky beetle, whose chief characteristics
are length of legs and strength of odor. Take potato peelings, enough to half-fill
a pail, fill up with water and let stand a pail, fill up with water and let stand
till it ferments-let it bubble up well-
then half-fil the watering can with this then half-fill the watering can with thi
potato water, fill up with clear water and sprinkle the vines in the evening.
don't know whether this acts also as diertilizer, but I I know the vines have a much more thrity appearance atter a few
applications. Care must be taken not to
have this mixture too strong. I have been told it will also banish insect pests Last year, I had quite an experience with my tomatoes. Through various
causes, I lost most of my finest early
elants and had plants, and had to replace them with
Dwart Champion plants about five or six inches high. Dry weather came on, and,
though I hoed faithfully, those plants did
not seem to intend making ot seem to intend making another lear.
was quite discouraged, and told the good-man of the house that he might
scuffe them up and put something else in that would grow; but he didn't see it
quite that way. Instead of throwing
hem them out, he scuffled between the rows,
early every morning, for over a week
(he is very fond of tomatoes, by the
way), and those plants just (he is very fond of tomatoes, by the
way., and those plats just grew like
everything, and in the fall had bushels of truit on them. A large proportion of the fruit ripened in the field, and we put
the green tomatoes in an old spent hot-
bed, where, well covered, they kept ripening until cold weather.
I should like to say a word in favor of
a vegetable that isn't much grown in my a vegetable that isn't much grown in my
neighborhood-kohlrabi. We find it very
nice for a change when the family is
growing tired of radishes and lettuce and growing tired of radishes and lettuce and
cress. It can be cooked in several differ-
ent ways, and I think that everyone whe likes turnip or cauliflower will like it.
I notice that a number of people like to plant peas at intervals to secure a suc-
cession. Now, I like to put different
kinds in at the same time, so that I can see how my ground is filled, and the
scuffler can have a chance to keep the ground nice. I find that Alaska, Nott's
Excelsior and Telephone, give a goodd suc-
cession, and can be planted at the same
$\qquad$
$\qquad$ In putting in my radish seed, I plant
some gladioli bulbs near. They may a
well occupy the ground when the radishes
are pulled and they are pulled, and they give such fine spikes
of bloom to cut for the house. I have
no room than

lthounh it has nothing to do with ga

would try my method of prevention an
rite results to "The Farmer's Advo write results to "The Farmer's Advocate, backs of the cows and young cattle wit
this wet salt once a week (or oftener, it rains), during the time the watrble gets in his work, and have used it
it works for you. We have years, and have scarcely a grub to kill think I saw this remedy, first, a lons
time ago, in "'The Farmer's Advocate.' but people seem to have forgotten it
though, like the potato water for beetlla it has several recommendations-it easily obtained, easily applied, is chea
and effective.
A. M. M. and effiective.
Middlesex Co.,
Very many thanks, A.M. B., for you
most useful letter Busy Mother," and all others who "
Be
lieve in "passing a good thing on.". Crack-fille
Will someone please give me a recipe fo boards in some of my floors have become
shrunken, and the result is that there are large cracks. I have tried filling then with putty and then painting them, but
find that the putty comes out in a fey months. A SUBSCRBER. Method 1.-Put any quantity of fine
sawdust, of the same kind of wood as and pour boiling water on it. Stir well and let remain for a week, stirring occa-
sionally. Next boil it for some time until it becomes somewhat of the consistency of pulp. Now, put it in a coarse
cloth and squeeze the moisture from it. cloth and squeeze the moisture from it,
and keep for use. When wanted, max
some of it with enough thin glue to make it into a paste, and press well into the
cracks. Method 2.-Soak newspapers in paste made of 1 lb . flour, 3 quarts water.
1 tablespoon alum boiled thick. Add shredded newspapers until the mixture is about like putty, press into the crack
let dry thoroughly, then paint the floor

How to Make a Dress
This question has been asked by several.
In reply, would say that the very best In reply, would say that the very best
plan is to watch the fashion patterns, or to buy a good fashion paper and select
rom it. It is well, always, to rather simple designs. One does not tire out of fashion as soon as the more elabCake Fillings "Thear Dame Durden,-We have taken of years, and I think it a very valuable
paper. Would you kindly answer the fol-
lowing questions. lowing questions:

1. How should teen years of age, wear their hair ? 2. How can photos be cleaned, which
have been soiled by baby fingers?
3 How coll
$\qquad$
$\qquad$
$\qquad$
$\qquad$ 2. Try cleaning the photographs with
l, read crusts, rubbing the surface lightly,




It Pays The Housewife to use the best sagar-because poor seger means poor cooking.

is the gonvime"Montreal Granulated"-absolutely pure,
sparkhog cryotals of the most inviting appearance.
Aok your grocer for a 20 lb .
bag of ST. LAWRENCE bag of ST. LAWRENCE
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When Writing Advertisers, Please Mention
seventeen, you will have to think abour seventeen, you will have to think about
arranging it in a more grown-up fashion. Recipes. Recipes.
Dear Dame Durden,-Will you allow ture a corner in your Nook? Or perhaps you
will think I am too young to write in the Ingle Nook, as I will not be fiftee until next month, but I want some ad-
vice about a few things, and thought pervice about a few things, and thought per
haps you could tell me what would be nice way for me to have a dress made, and what length? The dress is for my best, next winter. The material is navy
blue poplin. What sort and color trimblue poplin. What sort and color trim-
ming would you suggest? I would like to know a nice way to do one's hair-
without curling or tongs. without curling or tongs.
Can you tell me anything that will
make a stout person thinner? make a stout person thinner? I am ve
stout, and would like to get a little thin ner if possible, as I cannot get mey clothes
to look nice. I will send some recipes which mother
Raisin Marmalade.-Take six large cooking apples, peel them, and put them ove a slow fire together wind a wine glass or well stewed, split and stone $2 \ddagger$ pounds raisins, and put them to stew with th
apples, and enough water to provent burn ing. When all appears woll dissolved,
beat through a strainer bowl. Put away beat through a strainer bowl. Put away in tumblers or small preserve
nice when eaten with cream.
French Pickle.-One quart large onions
chopped, 1 quart small onions whole chopped, 1 quart small onions whole, 1
quart large cucumbers chopped, small cucumbers whole, 2 caulinowers or 2 heads celery, 3 green peppers. P
hot salty water on morning, then drain and put on stove
with with $\frac{1}{2}$ gallon vinegar, 3 cups sugar, $\frac{1}{2}$
ounce mustard seed, $\ddagger$ ounce celery seed ounce mustard seed, \& ounce cesery seed.
Scald together, and make a paste of twoScald together, and make a paste of two
thirds ounce turmeric powder. Stir
pickles slowly at boiling point. Iresses for young girls should alway
be simple, an overdressed girl of fittee be simple; an overdressed girl of fifteen
always looks like a freak. How would you like a sailor suit ?-to my mind the
prettiest of all, and sailor collars are prettiest of all, and sailor collars are
quite in fashion this spring, too. Or you
might have a full waist with tucks at the top, cut out in little round yoke, to
be worn over a guimpe of white embroid-
ery or should be sleeve caps, reaching nearly to
the elbow, and short undersleceves, reachthe elbow, and short undersleeves, reach-
ing just a little lower, of the white. In
the winter the white ont and whain, the white or orld be removed
and plaid goods substituted no trimming except a band of should have yoke and sleevecaps, and perhaps a fold to match on the skirt. About your hair
see answer to "Blue Fyes." Tlenty of exercise, especially walking, i
the best anti-fat prescription that I know the best anti-fat prescription that I know
You will likely get thinner when you ar
about twenty. fat and rather A great many girls an Slipping Geraniums-Caramels. What would be best time of year fo
slipping geraniums for winter oowering?
Clease give recipe for making different coltern crammants asuscrium. Geraniums may be slipped and po cted in
spring. Keep the pot always on the
necerssary, and keep all fower-buds re-
Chocolate Caramels.-Stir in a saucepan

+ cups granulated sugar, 3 tablespoons
$\qquad$ until mixture will snap in cold water
Then add 1 cup cream, a pieco of butter urated fine. Let boil rather slowly, stir the
cold water. Remove from stove, flavor
with vanilla, and pour in a greased pan. paper.

Caramels.-Two cups li ght-brown
large tablesponful glucose,
$\frac{1}{t}$

 tere meany way to clean them 'I The
were originally white also, it paint
my bathrom, would it be necasasary wash off the "fnish", before putting on the paint? Then, too, I have an oiled
floor, cherryy and maple, but he finsh
looks na if it had been walked on thistore It orks as it had been walked on before
it mas dry, and no amount of scrubbing
or waxing makes it look right. Con you halip me $?$ ething nice for the kiddiess
Here is somen
tunh Chese Tarts. - Two eggs, one cup cur-
rants, one cup sugar, one-half cup butter one tablespoon milk, one teaspoon lemon
favoring, a little numer. Make shells. and cook this in the shells.
d thank you in hdvanco for your help
and wish to express my appreciation o. the many usefulu things I get each week
out of your journal.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ tencilled curtains without tading, and
$\qquad$
$\qquad$
$\qquad$
Spanish Bun.
$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$
$\qquad$ e."


The Renfrew Machinery Co'y, Ltd. RENFREW, ONTARIO. Eastern Branch: Sussex, N. B


THIS WILL UNLOAD YOUR WHOLE HARVEST

[^6](
The Stout and the Thin. In addition to the natural and proper weight, it may be said in the begining inclination to make the best of oneself, that there are fow stout people who can-
there is scientifc reason in the stout not safely, and without resorting to and
 the painuily thin woman's wish to take suficiently to improve not only their ap-
on a few more pounds of fesh; health 1 t- pearance, but their comport and general self is at its best when tha ; bedy maintaths its normal proportiona, without
serious loss or gaiu. Any considerable variation from the normal standard shows a disturbance in the ialance of nutrition,
either the vital fre is being fed too geneither the vital fres excess of fuel, instead of
erously, and the ef being turned into heat and energy, is accumulating in the tissues, to be a burden to the organism and, perhaps in time, cause disease, or else the expenditure of
force is greater than the supply of fuel. the bodily tissues are drawn upon to aid in feeding the fire, and all the systems
of the body suffer from the insufficioncy of the body suffer from the insufficiency
of nourishment. increasingly disinclined to either physical or mental exertion; they are apt to suffer from indigestion and constipation, rheu-
matic troubles, and shortness of breath; and, when a condition of actual obesity is reached, a fatty degeneration of one or more of the vital organs is liable. The
insufficiently nourished person, on the other hand, is usually anmomic and nerv-
ous, the weak and faulty performance of many of the bodily functions testifying to with regard With regard to the matter of physical proportion between the welght and the height is obvious. The too-thin woman has fewer difficulties to contend with than
her too-stout sister, in fulfilling fashion's her too-stout sister, in fulfiling fashion's
requirements, for her figure can be modi-
fied to a far greater extent by the dressmaker's art. But the face and hands cannot be filled out correspondingly, and
the thin woman early takes on lines and the thin woman early takes on lines and
wrinks, usually looking much older than a plumper woman of the same age.
Proper balance between the intake of food and the outgo of energy is thus
necessary, hoth for necessary, both for the maintenance of
good health and for the preservation of one's fair share of natural comeliness.
The generally-accepted standard of weight The generally-accepted standard of weight
in proportion to height which a woman
should maintain, in order to fulfill these should maintain, in order to fulfill these
requirements, is as follows. Five eeet one inch, 120 pounds; five feet two inches,
126 pounds; five feet three inches, 133 126 pounds; five feet three inches, 133
pounds five feet four inches, 136 pounds; five feet five inches, 142 pounds; five feet
six inches, 145 pounds; five feet seven Inches, 149 pounds; five feet eifgt inches,
155 pounds; five feet nine inches, 155 pounds; five feet nine inches, 162
pounds; five feet ten inches, 169 pounds. The purposes for which food is taken
into the body are two: the rebuilding of the bodily tissues, which are constant-
ly consumed by physical nid ly consumed by physical and mental ac-
tivities, and the production of heat and energy. During the period of growth,
the body necessarily demands a large the body necessarily demands a large
amount of tissuuebuilding material, and it is natural and reasonable that a growing
child should have a large appetite, and be ready to eat at all times of day. If,
however, a person who has come to maturity continues to eat as heartily as in
early life, more food is taken into the early hire, more food is taken into the
body than is required after the growing
period is ended, a heavy strain is put upon the organs which strain is put
products from the system, and waste Tikely to be a deposition of fat in the
tissues. Another factor in producing
these results. is the these results, is the fact that the adult
usually leads a far less active usually leads a far less active life,
physically, than the growing child, so
that less food is needed for transformation into energy, as well as for the pur-
pose of body-lyuilding. This is even more true now than it
was a few generations ago; the higher standard of luxury in the modern mamer
of life, labor-saving devices of every kind. and improved transportation facllt ices
which have almost reduced out-door cise to a matter of country-club athlctics,
are among the reasons for the presentday lack of physical activity among buth
men und wonen. It must not be for
$\qquad$
$\qquad$
$\qquad$ vigor as well. Such results are not proence, perseverance, and a considerable exercise of will-power may be necessary. Any decided deviation from one's usual manner of life should not be undertaken
without the advice of a competent physician. the advice of a competent
Constitutions wrecked, and even lives lost, by such tampering with nature's laws. Exercise and diet are the two great aids ir re-
ducing weight, but either, by being carducing weight, but either, by being carn
ried to extremes, or attempted under unsuitable conditions, may do more harm than good. One procedure which cannot
be too strongly condemned is the of the various "anti-fat", preparations Which are among the patent medicines such "remedies" are worse than useless, as they may do actual harm by upsetting the digestion, or otherwise disturb-
ing nutrition, while it is beyond the power of any drug to control such a
complex process as that of the balance between waste and repair in the human body. If the desired effect is actually produced, it is by a lowering of the gen-
eral health. Many systems of exercise have beil recommended for reducing flesh, especially about the waist and hips, and, when used in moderation, and with a physician's of the body will be the organs their use, the following out of such a system will not only aid in reducing the
weight, but will improve circulation nutrition, and increase the general bodlly vigor. The exercises usually recommend-
ed consist principally ing and bending movements, but breathing exercises are also useful, as deep
breathing aids in burning up fat. Stairclimbing, with body erect, and only the ball of the foot placed on each step, is ing the fat on the hips, the "standing golf, bicycling, and horseback riding, all gol, bicycling, and horseback riding, all
aid in keeping down weight. Walking
is, however, the exercise par excellence for stout people; not a slow and languid saunter, but a brisk pace, and a steadilyincreasing distance. Hill-climbing, when heart, is even more effective than walking A noted physician, who has successfully reduced many stout patients, lately made
the statement that many fat people were willing to take any sort of treatment that was ordered for them, if only their diet was not restricted. It is upon re-
striction of diet, however, that the chiet dependence must be placed, in the reduc-
tion of weight; exercise produces Hon of weight; exercise produces a more
rapid burning up of fat in the body, but superfluous fat cannot be stored up if the material for it is not supplied to the system. Many famous systems of reduc-
tion by restricted diet have been given tion by restricted diet have been given
to the world, but most of them are so severe that they should only be used of these systems require a reduction of striction of the quantity of fluid allowed and a more or less strict avoidance of those food substances which are most
readily turned into fat in the body. Most of them also provide for light luncles in the middle of the morning and afternoon,
as these additional meals tend to lessen as these additional meals tend to lessen The fat-making foods include sugars, tarches, fat meats, butter and oil. It is not safe to deprive the body entirely
of these groups of food substances, since proper nutrition depends upon a whole-
somely-balanced diet, but the amount of them taken by the average person can be very greatly cut down without any dan-
ger to health. It is not unusual for a
single meal to include a cream soup. bread and butter, potatoes, macaroni, a starchy vegetable, such as beans, a salad
dressed with oil, and a rice or cornstarch pudding, -a list of articles which, as may readily be seen, contains a mucch larger
$\qquad$


## JOHNNY GREOFE

Magnet Cream Separator

Baden, Ont., April 5th, !909.
I will tell about our MAGNET Cream Separator. My little sitter, Ida May, is ignt ten years. Idd May turns the milk from three cows, Mabel from four cows, and I from stx cows. Ma say; she wifl never glve that MAGNET Separator up it is the best thing , n the pace. We got it better. Ma wants to keep more cows this summer, she says turning the separator is far easler than mikiog. When Ma wa sick we did the mliking and turned the Separator. Our neighbors with uther separators wonder that ours runs so
easy, and Mo told them that when theirs are worn out they shoutd get the MAGNET. as long as we can, the more milk I turn the better I like it. I wish we would keep ten cows, can turn It through, I am strong to do that, and I am not muct
only fun to handle the MAGNET Cream Separator

Yours truly, JOHNNY GROFF. The Petrie Mfg. Co., Ltd.

Vancouver Calgary Winnipeg Regina Hamilion Montroal and St John

Evil of Wrong Thinking Wrong thinking is indicative of weak
ness: it it is, indeed for a wrong thinker is continually tear-
ing down and wrecking his own mental and physical structure. The right thinker the only sane thinker, and he is the
appiest as well as the most successtel
 dverse thought which produces destruc tive conditions.

how it cripples us mentally and physical-
oisons the no are well aware that anger
tretting, and all other inharmonious
thoughts, seriously intericre with thion thoughts, seriously interfere with the nor--
nal action of all the bodily functions. They are also alive to the fact that
anxiety or apprenension of impending disaster, if of long duration, is liable to lact that a mother is not only seriousily affocted by her own thought, but that it affects her infant to such an extent that
the same symptoms and conditions trom the same symptoms and conditions from
which the mother sufiers are reproduced in the body of the infant. Selifshness,
jealousy and envy long indulged in, tend and troubles and certain forms of dyspepsia. Lack of selt-
ontrol and habitual indulgence in violent passions shat ter the nervous osystem, lest orders. Worry is one of the greatest deep furrows wherever it goess, it carries
gloom and unhappinesss with it: it delays ri prevents the processes of digstion and
assimilation until the starved lorain and nerve cells utter their protust in various
kinds of disees.
Wrony

$\qquad$
$\qquad$
your temper; every time you do,
contemptible thing, you yourr
Which cannot be repaired. of sul reme
go wrong, he is not only seriously injur
ing his health, but he is also cripplu his business. He is making himsell re pellenc,
ditions.
A man who wants to do his best, must Keep himself in good mental trim. It he
would achieve the highest success he woula achireve the highest suceess, he nust
bo a correct thinker. Ho cannot think discord and bring harmonious conditions Into his business. His wrong thought
will honeycomb and undermine his prost will honeycomb and undermine his pross
pects in life.-Orison Swett Marden, in

My Neighbor and I. Doth thy neighbor's path ofend theo Mind thin own! path offent neo
Gather up each twig and bramble, Every stone :
And may pattern alter the
Doth the garden that is next thee Yield but weeds, that to thy notice Plant swect flowers, tend them well. He may copy-who can tell? ?
$\qquad$
With its scowl?
Is his voice but litte better
Theen a growl?
rry and
Nouldst thou see a tace that's smiling Next to thine?
Then with holiness and kindness Then with hobliness and kindness
Must thou shine :
Ho that's nost is but thy glass
'oo reflect the clouds that pass
$\qquad$
$\qquad$
$\qquad$ nd of an uplitting and upthullding sti.

The World Beautiful. "So to keep the ideal before ut in the
didst of our common occupations, to to guard the conviction that there is an
gideal, is to preserve the First Freshness ideal, is or preserve the First Fresness
of our early impressions or the mysterious
benuty of the world. Poets tell tus that in the pilgrimage of life we shall watch
the glory fade away from the things of
 growh of things we have not grown to
watch. The halo still encircles the bush ostudy the material elements by thenselvesy the materrial elements by them-
selve only it is found to come by the
sift of heaven. The sunshine which gift of heaven. The sunshine which
fioods the whole landscape at midday, is
 mountain-peak, only it is is innitely vaster and therefore harder to comprehend
fullness."-The Bishop of Durham.

That the glory and the freshness of a Tream shall vanish with advancing years
and "fade into the light of common day", is a tallacy, and a tatat lallacy to hold.
On the contrary, life truly lived beocoms more interesting, more tasclinting with
every day. The romance of life all that
The may be included in the ideal domain of
art, thought, and spirituality of life, exone who is walking onward. The romance of lite depens and extendse Iseelf
with the ever-widening and ever-depening the finest of the fine arts, and the qual-
ity of lite may be continually refined and exalted with increasing experience. "Mov-
ing from tragment to tragment." says the
 anty and grandeur ool the sum of being
unrough our own experience. We look
dist torward with a prophetic trust. We maka the power of protry our own, which a
the has defined to be the teeling of a
poet poet has defined to be the teeling of a
Pormen world and of euture one. Excep
tional occurrences, opposititions in thought, material phenomena, transcending all con-
coptions $i$ in their neessary conditions, ceptions in their necessary conditions,
tate their place ay ind indetions of at arger
order guards monotony of work from becoming monotony of life. . . The contempla-
tion of a great ideal of life will sustain the combatant in the strugglo and
hrough every tallure enable him to strive chrough every yanlure enable him to strive
a,s knowing that the test of abiding greatness is the power of sacrifice. An
ideal is the condition of sustained action, no action is to consecrate all the full-
ness of powers, as knowing that life is not a search after personal aggrandise-
ment, but the accomplishment of a divine


## L'envoi of the Hooked

$\qquad$
$\qquad$
$\qquad$
$\qquad$ Mark schemes to annoy poor husbands,
weary and worn and poldWhen our thumbs have ceased from their

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

Some Words of Advice A woman who has had a very unhapt women Don't marry a man to reform him.
can't be done unless ho is under tw. The woman who permits her heart
tule her head makos It hoad matas a sad mistake. dissipated or selifish he may be, ss closed.
No woman should ever depend entirel on her husband for happinenss. It Is
tolly, and leads alway to heartache. married woman should have a lite Let her keep sweet and true and lovable, but beyond a certain point she
should not venture lest she lose her should not venture lest she lose her in-
dividuality in her husbandes with the radividualty in her husband
sult that he will impose upon her
Beware of a man with an ungovernable
lemper, and almost all men are endowes Shun the man who drinks to excess tor it is a haot the leads to wrectche Avoid also the man who is selfish, the
man who considers always his own terests before those of his wife. All men are fickle, and it depends on

Are the Girls Careless?
One of our most prominent exchanges
has a caustic article on the habitual has a caustic article on the hatitual
carelessness of young giris, and decllares that it is almost impossible to teach
girls to hang up their drassas cloaks giriss to hang up their drosses, cloaks and
hats, and put their ribons, ties and gloves in their proper places. It says generally a girl comes home from school or elsewhere, jerks oil her jacket or chair
hood, tosses them on a bed or slings her rubbers in a corner or behind
the stove unbuttons har dress with jerk while going to her room, leaves the dress on the floor, grabs another, throw
it on hastily, fastens it as she can, Well, that is a picture with life in it it hasn't much order; and it posibly has
ton much truth in it.
Girls, and boys. too much truth in in it orrs and
too. should cultivate orderly Such habits are worth money all through youth, how many steps may bo saved derly with their things

## Ready Lawyer

Probably no one had more ready
than sir Frank Lockwood, the lawye Ho was a tall man, and an unruly meng
ber of his audience once called out him in the middle of his speech, "Go
"My friend is mistaken in applying tha
term to me," sir Frank quietly
term ourht to claim it for himsolt:
though he cannot dram ne out, Ithink
On another occasion, one of his polltica
"I am glad," Sir Frank aiverly
joined, "to greet thts gentloman as as
member of my protession; but ha eneed na
$\qquad$
An Every-day Creed
There's little that time may not mend
$\qquad$

The Homing Bee
 That spills in the west, as When feasting is done
ou are grossamer-winged, little , Tissue-winged, like the mist That broods
a line
wapor sun-kissed
fou are laden with sweets, little brothe mine, like the touc of hands we have longed that ent wine,

You are better than I, little brother mine
an-souled,

$$
\begin{aligned}
& \text { u bring from t, } \\
& \text { summer shine, }
\end{aligned}
$$

> summer sour gold.

-E. Pauli

## Fate.

Said the Vase from Tokio. That I hope to see myself oon on some collector's shel Ticketed and marked with care

Said tho little Urn from Greece I am no museum piece; such a twisted thing as you Prace and Beauty, line on line

Gaid the Jar from Ispahan : Years I boast-a wondrous span Songs for all eternity.
Cease your clatter, lumps of clay Only I outlive to-day !
Said the maid, from Dublin hired "Faith, this dustin' makes me
Smash-ye haythin out 0 ' shape Smash-ye ugly furrin ape!"' In the ash heap, hid from sight
All the vases lay that night. CII the vases lay that nig

Loudoun's Bpaes.
 te sperir'd hoo mony kye we had.
 4. wressed his cheak anga inst my $h$


Nutised my onny hutter prim vaid nis mitherer needed hints Whisepered sorty in his arr.
$\qquad$
$\qquad$
 dairy and my
vidnai' change

\section*{| POULTRY |  |
| :--- | :--- |
| QEGGS O |  |

}


 $\$ 6.41$ Pleasant Valley Farms EGGS FOR HATCHING
 Gee. Amos \& Sons, Meffat, Ont Single-comb Brown Leghorns




## Rab Comes Hame

$\qquad$ buirdly chiel' is stan'in there I never saw afore.
He tak's a lang, lang look at An' in his kindly e'en
A something lies I canna name

I bid him ben ; he tak's a chair,
My heart loups up wi' fricht,
Fo ${ }^{\prime}$ doon he sits as John wad dae When he came hame at night. But no a'e word he speaks,
yet I can see the big roun' tear Yet I can see the big roun tear
Come happin' doon his cleeks. Then a' at aince his big, strong airm Are streekit oot to me-
Mither, I'm Rab, come hame at last, "Mither, I'm Rab, come h" An can ye welcome me ?" O. Rab, my airms are roun his ne
The Lord is kind indeed: Then hunker doon and on
Hoo could ye hide sae lang frae me, Thae weary, weary years.
An' $^{\text {n no a'e word-bit I maun greet, }}$ My heart is fu' ó tears ;
It does an auld, frail body guid An oh ! it's unco' sweet,
To see ye there, thr' through my tear Kour father's lang since in his grav Within the auld kirkyard, They were na' to be spared $n^{\prime}$ ' I. was left to sit my lane
To think on what had been, An' wussin' only for the time
$\qquad$ That noo a fremit han Beside my ain gudeman; $\mathrm{A}^{2}$. Wad it be a sin to hsk
$\mathrm{O}^{\text {. }}$ Him who rules aboon

A Mile with Me )h, who will walk a mile with me
Along life's merry way ?
A comrade blithe and full of glee, A.con loud and tre And let his frolic tancy play, gay,
That fill the field and fringe tho way Where he walks a mile with me? And who will walk a mile with me A fry lifen whose weart has weyes to see
The stars shine out o'er the darkening The stars shine out o'er the darkening the quiet rest at the end of the day And the quiet rest at the end os to say,
A friend who knows and dares to
The brave, sweet words, that clear the
$\qquad$
$\qquad$


## Show Hackneys

 FOR SALE Bay filly rising 3, by Hillhurst Se sation. Bay filly rising 4, by Imp. Stillington Masher; broken to ride and drive. Also 2 Brood mares (nobred), dams of above. Registered Attractive price for the 4 .

Jas. A. Cochrane. Hulhurst farm, Lennoxville, P. Q.


Advertisements Fill be ineartod ander thin handing, ouenh as Farm Propertioes, Help and
Bitiantons Wanted, and Pot Stock.
TERMS-Three oents








$\underset{\text { George, }}{\mathrm{G}^{\mathrm{oOD}} \mathrm{Wi}^{\mathrm{Wi}}}$


- SPICE OF LIFE The University Correspondent offered a prize of one guinea for the best collection
of twelve amusing schooloboy mistakes.
This has been awarded to Miss E This has been awarded to Miss E. M.
Sutherst, 26 Beauval A selection from the large number of
entries received is given below : Mute, inglorious Miltol." taphs are used by a writer who was
envious of Milton's being Poet, Orient.
He "finds sermons in stones," expresses He "finds sermons in stones," expresses
the same idea as Wordstorth's "the rest-
less stonechat all day long is
 bring soldiers into a lady's house Henry VIII, married Katherine, and she
said it was Wolsy's fault. John Burns was the name of one of
the claimants to the Throne of Scotland in the reignt of the Thrard I .
Panama is a town Sootland
they are trying to make an isthmus. Where land are Ben Nevis, Ben Lomond, and
Ben Jonson.
Wolsey saved his life by dying on the
way fan Way from York to London.
An interjection is a sudden explosion Monsoons are fertile gorges between the
Himalays. When the linglish frst landed in Aus-
tralia, the only four-fonted animal in the
country was a rat country was a rat.
"Those melodious bursts that fill the
spacious days of to the songs that Queen Elizabeth used
to Tennyson wrote a poem called Grave's
Energy. Energy.
The Rump Parliament co Cromwell's stalactites The plural of spouse is spice.
Queen Elizabeth rode a white horse from Kenilworth through Coventry with
nothing on, and Raleigh offered her his nothing on, and Raleigh offered her his
cloak.
When Fngland was placed under an Interdict, the Pope stopped all births, marriages and deaths for a year.
A figure of speech is a way of talking or writing by which you say what you don't mean and yet mean what you say. Example: "He blows his own trumpet."
You don't mean that he has a trumpet. You don't mean that he has a trumpet,
but you do mean that he blows it, i.e., he boasts. $\qquad$ who suffered very much from gout, and which was hard work.
Humphrey of Gloucester and Cardinal Humphrey of Gloucester and Cardinal
Beaufort. died shortly atter each other. Many vessels have been wrecked and
sunk in attempting to force a passage through the Rockies.

Penzance in Cornwall is noted for
pirates. Pyramids are a range of moun-
The
tains betwefn France and Spain.
By the Act of Union of 1535, Welshmen
were put on an equality with Englishn. put on an equality with English-
$\qquad$
$\qquad$once
is the mace where the nuke of
arland likes to sit. (Text-Book
from a housi, and how much carth should
mend to put under proumbl froun a simh in

$\qquad$

## QUESTIONS AND ANSWERS.

 this department free.
2nd.-2nd.-Questions should be clearly stated and
and muriten on one side of the paper only
and mect occompanied by the full name and

 then- When a reply by mail is reaurired to
ue ent verinary or legal enuirices, 81.0 m must
be enclosed.

| Miscellaneous. |  |
| :---: | :---: |
| ASSESSMENT. |  |
| Three neighbors put in equal amounts f money and drill a gas well on one of their |  |
|  |  |
|  |  |
| said well. Can the Township Council |  |
|  |  |
| said well when we do not derive any |  |
| venue from it? In answering, give |  |
|  |  |
| umber of Statute governing sald quesSIIBSCRIBER. |  |
| Ontario. |  |
| Ans.-Your statement of facts is notafficient to enable us to give a definite answer to your question; but we would fer you to Ontario Statutes as follows |  |
|  |  |
|  |  |
|  |  |
| 4 Edw. VII. (1904), Chap. $23, \mathrm{Sec} .5$. |  |
| sec. 16: 10 Edw. ViI. (1910), Chap. |  |
|  |  |VENTILATION-HACKNEY REG

$\qquad$

$$
\begin{aligned}
& \text { 1. The stable in which I keep my cat- } \\
& \text { o and horses is a lean-to, } 16 \times 78 \text { feet, }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tle and horses is a lean-to, } 16 \times 78 \text { feet, } \\
& \text { and is quite warm; am troubled with it } \\
& \text { sweating and getting quite damp. How }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and is quite warm; am troubled with it } \\
& \text { sweating and getting quite damp. How } \\
& \text { can this be stopped? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { can this be stopped? } \\
& \text { 2. How many straight crosses are re- } \\
& \text { quired with Hackneys before I could reg- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { quired with Hackneys before I could reg- } \\
& \text { ister them in the Canadian Studook? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ister them in the Canadian Studbook? } \\
& \text { 3. Young cow calved a few weeks aga } \\
& \text { and now has a small lump in one of he }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and now has a small lump in one of her } \\
& \text { teats, and the flow of milk is almost }
\end{aligned}
$$

$$
\begin{aligned}
& \text { teats, and the fow of milk is almost } \\
& \text { stopped. Is there any way of curing }
\end{aligned}
$$

$$
\begin{aligned}
& \text { stopped. Is there any way of curing } \\
& \text { this? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Ans.-1. By ventilation, mainly, } \\
& \text { and drainage may also help a little. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and drainage may also help a little. } \\
& \text { 2. Two crosses will entitle a mare } \\
& \text { registration as a two-cross mare. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 2. Two crosses wil entite a mare to } \\
& \text { registation as a two-cross mare. } \\
& \text { 3. A common trouble among highly- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 3. A common trouble among highly- } \\
& \text { specialized dairy cows-one that is seldom } \\
& \text { treated satisfactorily. You might have }
\end{aligned}
$$

$$
\begin{aligned}
& \text { specialized dairy cows-one that is seldom } \\
& \text { treated satisfactorily. You might have } \\
& \text { your veterinarian try an operation, but }
\end{aligned}
$$

$$
\begin{aligned}
& \text { treated satinctany. an operation, but } \\
& \text { your veterinarian try a } \\
& \text { our way of handling such a cow would }
\end{aligned}
$$

$$
\begin{aligned}
& \text { our way of handling such a cow would } \\
& \text { be to put a couple of calves on her, and } \\
& \text { disonse of her at an early opportunity }
\end{aligned}
$$

$$
\begin{aligned}
& \text { be to put a couple of calves on her, and } \\
& \text { dispose of her at an arry opportunity } \\
& \text { dor heef. If she is a cow that gives very }
\end{aligned}
$$

$$
\begin{aligned}
& \text { fispose of her is a cow that gives very } \\
& \text { for beef. If is } \\
& \text { rich milk, the above plan might not be }
\end{aligned}
$$

$$
\begin{aligned}
& \text { rich milk, the above plan might not be } \\
& \text { advisable, as the extra content of butter- } \\
& \text { fot ahove the normal would not be a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { advisable, as the extra content of butter- } \\
& \text { fat above the normal would not be a } \\
& \text { benefit. but rather a disadvantage to the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { beneft, but rather a disadvantage to the } \\
& \text { calf. In any event, we should plan to }
\end{aligned}
$$

$$
\begin{aligned}
& \text { call. In any event, we should plan to } \\
& \text { get rid of the cow. Her heifers are } \\
& \text { llable to show the same trouble. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { liable to show the same trouble. } \\
& \text { CEMENT CURB FOR SPRING- }
\end{aligned}
$$

$$
\begin{gathered}
\text { CEMENT CURB FOR SPRING- } \\
\text { CESSPOOL. }
\end{gathered}
$$

$$
\begin{aligned}
& \text { 1. I have an over-flowing spring, which } \\
& \text { is dug out to the solide clay about four } \\
& \text { feet from the surface. }
\end{aligned}
$$

around it, the wall becing six inches thick
and seven feet in height. The rickand seven feet in height. The frost
What shape. Would box to build and he how to
the construction of bulldings.
2. A cesspool should be at least 10
diase regular sewer pipe, four incheSALE OF DISEASED COWA (a farmer) sold, on Deeember 15 th
1910, to B (cattle dealer), a cow. Som.ime after, B sold to Coler), a a cow. Som.
intle dealer).
again sold to the Packing CompalC again sold to the Packing Company,
where the animal was slaughtered. Thi"here the animal was slaughtered. Thu
inspector found the animal affected with
tuberculosis, and unfit for human foollCuren notified by the Packing Company
carried the notice two or three werksarried the notice two or three weeks in
his pocket, then handed it to B. whinompany for proof, and to see the hidbut it was shipped a few days before. 13
showed A the inspector's report on Jan.
wary 21st, 1911. which read like thisunfit for human fooded." with tuberculosis
to pays he he the price paid by C. loss the
to pur
the price paid him, less the same. Will
What is the law in the case?animal? The cow was a fine, healthy-
looking animal, with no suspicion of thisease of any kind. A great many blach
and white ones are slaughtered by thehipped, gave no chance to prove this wa
not from disease. a Subscriber.Ans.-If no warranty was given in
pither case, A was not liable toeither c.
RE MANGEL SEED
notice in your April 6th number thatthe rarmer in regard to the poor quality
of mangel seed in the market this springIn buying this seed, we have to take wha
know whether we are getting seed or onlychaff until it is taken home and tested.
One of my neighbors pounds the seed ina bag. This partly separates the seedtrom the chaff, but doing this, I find
bruises some of the seed. Could somebruises some of the seed. Could some
one suggest some scheme that would sepa-one suggest some scheme that would sepa
rate the seed from the covering withouinjury to the seed, so we would know w
were getting seed, and not chaff?were getting seed, and not chaff?perience in handling mangel seed that will
a Subscriber.
Ans.-The husk surrounding the smalto three embedded in each seed-ball oand there is no known process by which
mangel seeds can be separated from themangel seeds can be separated from th
seed balls without entailing considerabl
waste of the cood seed. With a shanwaste of the good seed. With a shar
point, the small seeds - can be readilylocated in the seed-balls, extracted anexamined. With this year's supply, suc
an examination will make clear that
considerable proportion of the small serdsto procure their supplies of these seed
"arly, plant a hundred average seeds in,"f producing sprouts. When the work
lone under theif own observation, thCan form a goodi idea of the strength
THE FARMER'S ADVOCATE

APRIL 27,1911

## Does

 YOUR Face Break Out ?

IF YOUR NOSE IS RED And you've tried everything in the hope ou
clearing it, mite now, or call and sec es OUR HOME TREATMENT


## empet state positive fact

SUPERFLUOUS HAIR

 dress, with sample of tolet cream. Collese St., Teronte, Ont

SEE THIS COSTUME SKIRT









## DYO:LA

\%avis

SUNLIGHTT IN YOUR HOME




The Garden of a com muter's Wife. country, but I'm sure they ought ha
to.

this letter will show you the way to make money in your heepure the boys at home by giving then a business of their own Wm. Keit
writes about "IDEA" FICE BOWII COMCRETE BLOCK MIGHHES



You can do it too., Make
concrete blocks for houses, barns, silos, foundations, fences, etc.Blocks in place of brick or stone. There's money in it.
Our book explains everything. Write for free Machinery Co., Limited Dept. A, London. Ont.


Is absolutely pure strong and heathou. Delightful in favo nourishing should be oal. Coch or fou boledes in either milk minutes in to produce best results.

 Syracuse 'EASY' Washor

## Whashes clothees bette,

and with one third the
work.
wuts tir pump in and
sof the couthes. the fibre
of


If you wro irot def itat our aponose pithin



## 43, 300

 For 90 AcpesGood clay loam ; comfortable part stone and frame house ; large barn, stone stable balance bush and pasture. Lots of water ; close to neighbors; not far from school ; 4 miles to smarr wan want a good stock farm at a moderate price see ttis.
PHILP \& BEATON Whitevale, Ont.
STAMMERERS

e mention the advocate.


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This is one of the five styles of Knechtel Kitchen Kabinets. Each
that you need thrice a day in your kitchen. You


EARNS ITS COST OVER AND OVER AGAIN
strength saved by abolishing needless steps -in foodstuff
saved by keeping them clean and dust-free-the Knechtel earns
SEE ALL THE FIVE HANDSOME STYLES
Some very good store near your home hanale the khechelel Examine and compare
Knechtel Kitchen Cabinet Co., Limited, Hanover, Ont.
Please Mention The Advocate
-

 "Mrs. Evan, Delia gave her prom-
ise all too readylike, I 'm thinking, and the two went out crying to-
gether, to run down Patrick, whose gether, to run down Patrick, whose
whereabouts I mistrusted was undecided." "Is the old woman going to give them the farm founded at the turn of affairs, for 1
thought Bertle was consoling Delia. " That she is not! She says that Delia may live in with her, and that
she'll not obiect to her takin' work in the shop, if she feels like keepin independent." Here a fine
sneer of derision curved Martha's nostrils.
" And the boil-down of it all is that Delia is going to be fool enough best a burnt match and now confessed always in liquor, but she's going in with the old party, Mrs. Evan,
who will undertake to see her work to keep him idle." Here Martha
gave the tray a little push toward change the subject. "I will speak to father; he will
never allow Delia to throw herself away like this." $\quad$ " Best not, Mrs. Evan. The docmarryin' rascals is a disease beyond him, especially when the parties is
Irish, for I knows them well and thorough; they blows hot and cold
so quick, it keeps hothers all so quick,
Shiver, and when you reachea out the
'elpin' 'ands, it's not me nor you elpin' ands, it's not me nor you
can tell if it's a kiss or a knife
they'll meet they "What does concern me is this, the seein' you inconvenienced by changes
in hot weather, Mrs. Evan. Delia should give her proper month's warnlag, but instead she s and gone down to the priest and hurry the wedding without the calling of banns, if it may so be. " Now, Mrs. Evan, Timothy Saun-
ders' sister's girl, Effie, is leaving service in Canada, and is looking to crossing to the States, having writ-
ten her uncle to speak for her where he is acquainted. Which same I bid
him do, but he being so backward I'll venture it for him, that you might try her, the same making less
of a mixed family, you know, ma'am."' I assented, thanked Martha, and she departed. As the luncheon was
a cold one, it had not suffered by delay. An egg and lettuce salad
waferlike sandwiches of ham and chicken, strawherries heaped on their dip them in, and a glass of milk. As while, Bluff came up for crusty bits,
as a matter of course, but The Oras a matter of course, arrival is a curious character study, for his reserve, but much like a pera youth of deprivation. When he
first came to us, after living between coal-box and wall in the flagman's
house, he did not understand having continually backed solemnly into
corners. I love Bluff, but I cah only respect The Orphan, who is old
before his time, and while faithful, bet is too humble, and lacks the
ypontaneity that makes young children ene animats lovable. afternoon, and light clouds gave a
grateful half-veiled atmosphere that gratered me to leave the tree and
coaroli to the sun garden. Our schem of Eromping the spectrum colors
$\qquad$
$\qquad$
$\qquad$
$\qquad$
 Without such a bed no garden
conpletety
gracious,
and
yet there are, pratiousto ans or humile that have one. When Evan designed the beds of the sun garden, he said
that the tire of the flery wheel should be of subdued colors; shaded sreen or at most half-tones. For a mo ment it seemed that the dreaded coleus would be inevitable ; then my
Familiar Spirit whispered, " Let this Familiar Spirit whispered, "Let this
circle be your bed of sweet odors." There are comparatively few wholly
scentless flowers, while there are many, like hyacinths and the ranker lilies, whose heavy perfume closes the
house door upon them. These last however, have a very limited period of bloom, while the plants chosen for my bed of sweet odors breathe fragturn, and even after.
many tints, in this bed of mine green-silvery, velvety, and glossy
violet, purple, and ruddy-gold violet, purple, and ruddy-gold. The
plants are, reckoned from the tallest plants are, reckoned from the tallest meg, and apple geraniums, heliotrope ot violet to mauve, annual wall howers of warm yellow, and mignon-
ette, this last being of three kindsMammoth, Parson's white, and Ma

Though the plants were set in by lemon verbenas as a ridge-pole and the mignonette edging the whole by middle June they were so blended hat the earth was completely hid luxurious leaf, heliotrope greenery in nonette in bloom, this bed holds morer
pther. subtle fascination than any at morning and evening, when the dew holds its fragrance earthward, for when gathered it withers quickly, vase or jar, blackens and seems to poison the water, causing the whole posy to droop. In its bed it is one charm generous contributions to the lures us abroad under the summer For the rest, the bed of sweet odors is most pickable, and its foliage gives the crowning touch of sympathy to each bouquet. For tea sweet peas, a fringe of mignonette with long sprays of lemon verbena
for asters and old-fashioned hardy blossoms; while the wall-flowers should flock quite alone, bunched in lose nothing of their potency. I have grown this last flower a dozen years
and yet it seems either quite unknown, or else set aside for its mor
showy perennial brother, that in this climate needs winter housing. This the season is not too wet, blooms from July until snow hides it, and I once remember gathering a delicious
bunch on a Christmas morning. In a nook of this darling bed of thrive a mascot soon hold a braver place This plant is rosemary, the flower of root from Shottery, and it is planted here in remembrance of the glory of
the literature of the mother tongue If flowers make a karden, so als do the greens that form their set-
ting, and I now find the wild spact hevond the sun garden inseparable The madonna lilies now in perfect maiden, when gathered, need delicate pany, while hollyhocks set in the great India jars should emerge from a mass of vigorous brakes in orde
to hide their usual shabbiness staly 16. Full moon, and both lingle and double hollyhocks at
height. All day fong the garden is a-bloom under inll pressure of the
sun and frequent showers, and the hricht moon so carries day intc
night that we often stay out unti
the striking of the magic hour and

PRIL 27, 1911
dow, for below lies the moonlit ga
For a week past Evan and I h been wandering in the garden night, as we call it, and continually ne of the alcovea in the border o the long walk is filled with yellow
vening primroses mingled with the starry, long-tubed flowers of white
(nicotiana affinis). Both of obacco (nicat sunset, a time when these opens furl their butterfly wings and many other plants contract both fower and leal; then all through the night they give insect lovers, so that that them is a perpetaul flight of moths, while the blending of gold and silver under the moon-spell defies de scription. The most gorgeous of
red, crimson, pink, blue and purple red, crimson, dark at night in proportion to their daytime richness, and it is to the light col ots beauty Night before last we were wandering about the garden, peering in
corners where masses of hollyhocks that had strayed without border bounds reat great spiders spread their
disks, and webs across open spaces and hung in waiting, savagely patient, while the
dew turned their homespun into dew turned their homes drop from a spruce tree overhead, There was a ponderous flapping of wing sed like the passing of a broom across a sanded floor. The tree was half in deep shadow, but after a few moments we could see the outtine of in a row upon a limb close to the trunk. Another cry, a flapping and shifting, and we named them screech owls, and their number five, evidentThen the dance began.
If I had every doubted the capacity of animals for play, I should now
be converted. Of course a habit of be converted. Of course a habit ong dogs, cats, and the intelligent quad rupeds, but I had never before suspected the solemn owl of suc humor, and shall in future regardity At first the old birds mystified their children by separating and giv ing ceparate trees. This seemed to be hy way of emergency at the signal the youngsters stopped flopping abou
aimlessly, and flew direct. aimlessly, and flew direct.
Thev were quite fearless, and did They were queur presence in the
not object to our
least. In fact, as we tried to fol low their erratic course through the grassy walk that, edged by daisies, rect, they seemed to take delight i
seeiner how nearly it was possible t seeing how nearly it was possible
fly into our faces without absolutely touching us. locks and spruces, their tactics
changed. Perching five in a row upchanged. Perching five in a row up-
on a downward sloping branch, they
pushed and jostled each other until pushed and jostled each was crowded
the one nearest the end
off. Instantly it flew to the top of the line and took its turn at edgtimes. When at last they became tired of this aerial coasting, they si-
lently disappeared in the darkness of he woods. The owl play still con-
Julv 22. The tinues nightly, and Evan and I take fiew of their antics by flashing a mall electric search-light into the que pose and their amazed and lazed expressions. Last night two ithe owlets ventured close to the the clothes poles, turning their head bout so completely that necks; then snapping their beaks, they crooned, and conversed quite plainly in high class owl, much to Bluffs susligna ion, until he howled furiousiy an lashed at the poles so uttering ur mistakable swear word

「HE FARMER'
This is hollyhock week, and the forthe length of the long walk, over-
flows the corner of the bank wall, and straggles in a crowd toward the barn, where it forms a hollow square
about the chicken house. The hollyhock disports all colors and tintswhite, pink, cerise, crimson, apricot,
yellow, and blush, both with a decided pink eye and a rosily diffused
Having been let alone for several years, the single or half-double flowthat I prefer them to the heavy double blossoms, whose chief claim is their solidity of form and color ; therwise, hos ate nearer akin mas mutton, than to garden flowers, The phloxes that have massed themselves, regardless of color, are showing bloom-white, crimson, with crim
son eye, and dull purple. Neither in color nor form are they as handsome as the young plants we set out last October, among which many new shades
appear.
Phloxes especially require frequent re-setting, else they crowd themselves
out, the flower clusters grow small, while they lapse to the parent colors rapidly than were hybridized more Now are the nasturtiums rampant and their trellis seems consumed with a flame that reaching over has that I bought from the "Yellow Journal "c catalogue are making a fine showing, having an alcove all to themselves, and Evan almost acCarnation Poppy is gorgeous, " at least at present," he added cynically. The first planting of gladiolus is in fascinated by the beauty of the new color covers everything but blue, and the exquisitely shaded and veined
flowers, no longer contracted and fowers, no longer coist but winged and poised gracefully on the stalks, seem more like a new discovery than a development
The moon gets up late nowadays, I am often tempted to leave bed for my window, where I could sit for hours listening to the owlets' shivery groups of striped and spotted eulalia hat shimmer like fountains in the moon ight. Delia, who is to be mar failed to get her dispensation, owing has asked me to have the owls killed, as, if they cross her path the night of the wedding, ill-luck will surely sure result of her own foily upon
Fate impersonated by me Fate impersonated by

The improvident song sparrows that huilt in the rose spray have no terday afternoon, as the wind that foretells a shower was sweeping the garden, Bertle discovered their second
nest, in which were three young nest, in which were three young
birds. It was set squarely upon
broad broad corymb of feverfew which
having gone to seed, was ready t snap at any moment, and the other
foliage that had sheltered it was foliage that down. Silly sparrows! In
beaten domer
whose rarden were vou raised ? Were whose garden were you raised
there no honest bushes there

TRADE TOPIC In the reference to the advertisement of
the Louden Machinery CO., and their im-
proved stable fittings, in our issue oof proved stable fittings, in our issuo
April 20th, the address was inadvertently
given as Galt, whereas it should have read Guelph. This firm claim to be the largest manufacturers of stable
Canada. The dairy stable of the Ontario Winter Fair at Guelph was fitted by com, and were greatly admired for thition to
comport civen the cows. In adita
heir swing stanchions, they also supply their swing stanchions, they also supply,
liter -carriers, water-bowls, hay-carriers,
tc. Their catalogue will he mailed etc. Their ca


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WHI WRITING ADVERTISERSMENTION


Porpidge and Water Diet. Editor houkd like to answer Thos. McMillan's I would like to answer treaty. Are the fetter on the recipiocity treaty. Mre the says? For the last forty years, we
s. Canadians have been ignored and buffeted by the Americans, our way secure and firm we have made
under the protection of the British Empire, Within the the British Empire? have we been a burden. But now, when
Nothing but a point of being some use, we are one
what happens." The Americans want to cross our path turn us to the path that leads to Washington. Has Mr. McMillan cans threatened us and menaced us with a surtax? They may be on friendly how long will it last? I do not know; nobody knows. Again, Mr. McMillan is
turning back to the reciprocity treaty of 1854. It is perfectly true that during whe last part of the treaty, production
was greaty stimulated in this country
and we got very high prices and we got very high thises for our war in, the United States. Production
was cheeked in the United Statas, tion was stimulated in Canada, and the prices that we obtained for our production during the last six years of the ex-
istence of that treaty were very much higher than could be reasonably expected if we do have a reciprocity treaty with the Stawes, what will happen? We will
send all our products to the States and send an our British market. What has the Gevernment and the Department of Agrieulture done during these last 40 anals, raitroads, cold storages to put Canada in connection with the British market, and now, is that money to be
wasted? 1 would like to ask Mr. McMillan what is wrong with Canada at the
resent time? Is not Can ous? The farmers are the same; working mer are well paid. There is not un-
employment and poverty in Canada, except what is due to drink, vice, and sickness; and this prosperity is sound; we are
ndependent, well protected ndependent, well protected, and the sun
shines just as well on this side of the line as the other. What more do we
want? We must look into the futur want? We must look into the future as
well as in the present. But, yet, our tarmers ave not satisfied. They want the
reciproeity treaty so they can get better market tor their products. Same old
gong, over and over. Now, last summer song, over and over. Now, last summer,
when the markets were high, is this no
true that 90 per cent. had to buy grain, forage, or even
butcher meat, did more kicking Chewing over whatever product they
bough than it was really worth. But those very same farmers who sold their
cattle a $\$ 7$ a 100 lbs., or their hogs at $\$ 9$ a 100 las., I wonder if they did kick
I should not be the least surprised they would be expecting inore. Then what
would it be with the reciprocity treaty?

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```
Prices are for 5-bush. lots or over, f.o.b. Toronto. Bags free.
M,
M,
```



```
\begin{subarray}{c}{W,ild Goose}\\{\mathrm{ White Russia}}\\{\mathrm{ Rel Fyese}}\end{subarray}
BARLEY
OM.C.No,
*.........
or prices of CLOVER, TIMOTHY, ALFALF
and FERTILIZERS,
MANGEL SEED \(\begin{aligned} & \text { Plant Ket or } 25 \mathrm{c} \text {. postpaid. } \\ & \text { Toronto, }\end{aligned}\)
P Plant Keith's Prizetaker,
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Get underwear that fits as well the secondiseason as the first. This brand:

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grain of any account to sell. Seyter five per cent. of Ontario farmers suy mor
grain, besides what they grow of their grain, besides what which is very wise
own, and teed it, whish own, and eed ome advantage by selling
We may get som portion of the higher grade of the prod
wets to the States; we shall lose upon yuts to the States, we shail
great portion of the iower grade, which. great protion
as everyone knows, tion of the product.
Are $A$ mericaning s Not the least; but I am artraid the most of
are. 11 we don't know, we ought know, that the the
nearly exhausted. $\begin{gathered}\text { American resources } \\ \text { Their timber will last }\end{gathered}$ for less than thirty years at the present rate of cutting; their anthracite coals win tor only 900 years., Their supply of ir ore, mineral oil and natural gas, aro
ing rapilly depleted and many of tho
incont feilds are already exhaustud great ields are arready exhausted. M
eral resources such as these whhn gone, are gone forever.
If
If the reciprocity
treaty goes on, wo might as well say good-bye
in the north, our pulp wood, mineral, and when they are gone,
Americans be our friendly neighbe it be an opportunity of a lifetime, as wr.
Meckillan says?
No doubt we will guided, not through the storm, but in the
storm.
stimat



## Just One Manure Spreader Is Really Modern

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Have you received a copy of our illustrated Bulletin No.600, describing


## QUESTIONS AND ANSWERS

 Miscellaneous.RAILWAY STATISTICS - FIRE RANGING FORESTRY. As I have been a subscriber to "The never asked for any information, private or public, I hope the questions I am ask-
ing you will be of a sufficiently important ing you will be of a sufficiently important Farmer's Advocate,

1. Is there any United. States capital invertod in the Grand Trunk Railway; in
so, how much, and who has the contro so, how
of it?
2. What
Grand Trunk land in Canada compared with the assessed value of the land of the same road in the United States?
3. What comparison are the travelling rates on the Grand Trunk in the two States 4. What amount of land was given the C. P. R. for its construction in Ca 5. How long was the land exempted from taxation?
4. How long
C. P. Re. great amount of it made?
sale of any great and
\%. How much land do the C P.

Company
them by the
construction?
${ }_{P} 8$. Is the land that is held by the
P. R. to-day, that was given to them by
the Dominion Government, assessed? so, to what comparison is it assessed by
the land that is owned by the farmers in the land that is owned by the farmers in
the ameme district?
9. Is not assessed, what amount of
taxes would it bring if assessed for the
taxes
tame
the same district?
10. Was there any bonus given the o
P. R. by the Dominion Government out P. R. by the Dominion Government out
side of the land grant? If so, how
much?
11. What amount of taxes would be 11. What amount of taxes would be
raised in Toronto on manulacturing com-
panies if they were assessed in proportion
with other business concernc in the same panies if they were assessed in proportion
with other business concerns in the same
city? Was there ever a farmer exempted
12. Was 12. Was there ever a farmer exempted
from taxation in the Doninion of Can-
ada ? 18. How many
Canada to-day?
14. And what 14. And what occupations did they tol-
low to obtain it (was it farming)? 10w to obtain it (was it farming)?
15. How much docs it cost the Domin-
ion Government for fire rangers during ion Government for fire rangers during
one year ? one year?
16. How much damage has been done
by fire in our timber limits in the last by fire in
ten years?

## 17. On a Dominion $G$

a tlmber limit?
18. What is the largest sum of money
that is known to have been made hy one that is known to have been made by one
person or company by reselling timber person or company by reseling timber
limits purchased from the (Government?
A FARMER


Pettyplece
those
thone comed
esteemed
of the
of the
Interior
Interior, Ottawa. We trust the informa
tion man . tlon may be useful to our inquirer.
Ans. -1 . There is undoubtedly
capital invested in the (G. T. R., but
whom held it is impossible to say with
having a
company
capitalize
miles in
$\$ 70,413,5$
 ment of \&. T. Me lande in wither assad
or the United
 States, in the sume year, the compan
paid in taxes $\$ 6.36,5.38$ on 1,151 mile
3. Passenger
mile on the $: ~$
cents per
mileage in

Eczema was Spreading TILL D.D.D. CURED IT

 about six months, and had consulter se
 most uncom wortabere. spead thount I would
 $\underset{\substack{\text { right treatment. } \\ \text { One d day } \\ \text { trad }}}{ }$
 sample. it dide me so much good that immediately ordered two large bottles,
It took eight bottles altogether to cure me of this terrible disease. I shall never
be without a bottle of home.".
The records of ten years of completu
 cases show chat ril), stands to-day

 borne street,
instant relief.

## DOES A WASHING

 JUST LIKE PLAY!Six Minutes to Wash a Tubful! Ladies! just see how easy I do a big washing
with my 1900 Gravity Washer. I slart the tub a-whirling. Then the gravity device under the
tub begins to help and the rest is just ithe play
Wast Washes a tubful in six minutest Hows her The sent
quick and easy work? The 1000 Washer
met this marvellous machine on trial. They didnt
 You can have F FREE (t)





Gasoline Engine
That will run a cream separator
better than it can be done by hand.
That will pump water and pulp roots for 40 head of stock for
I cent a day.
The Connor Machine Co. Limited
Exeter, Ontario
"17 Cents a Day" Offer

## Stirs all Canada!

The Whote Country Applauds the ""Penny Purchase Plan" From a thousand different direc- only on The Oliver Typewriter, and tions comes a mighty chorus of ap-
ppoval, voicing the popularity of The
Oiver Typewriter - 17 Cents a Day"

Oliver Typewriter
Purchase Plan.
Purchase Plan.
The liberal terms of this offer bring
the benefits of the best modern type the benefis hin easy reat modern type writer within eas, "teactin olan", has
simple, convenient "Penny Plas
sosumed international importance. It opened the floodgates of demand
Ind almost engulfed us with and has almost engulfed orders.
Individuals, froms and corporations
Tul dases of peotece-are taking advan -al classes on peopte-are takive adven-
tagee of the atrant and en-
dorsing the areat dorsing the graat idea which led us
to take this radical stepTo make typewriting the
Speeds Universal Typewriting

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

A Business Builder The Oliver Typewriter is a powerful creative Torce in business-a veri
table wealth producer. Its use multiplies table wealh pproducer. .1ts use mutit fint
business opporturities, widens business infucnce, promotes business success.
Thus the agressive merchant Thus the aggressive merchant or
manufacturer can reach out for more manufacturer can reach out for mand
business with trade-winning letters and
 prist"-and The Oliver Typewriter-
list you can annex new trade territory.
Get this greatest of business aids.


Aid's Professional Men
To the professional man the typewriter is an indispensable assistant.
Barristers, Clergy-
men, Physicians, men, Physicians,
Journalists, ArchiJournalists, Archi-
tects, Engineers and Public Accountant have learned to de
pend on the typewriter
Typewriter © penhe Oliver Type-
minutes' practice. It
miv dividends of satisThe great business interests are a unit
in using typewriters.

It is just as important It is just as importa

to the genaral pubbic
tor tongghand."

The Stan visible writer citizen's personal affairs are his busi- wrill pay big daily dividends of satis
ness. Our popular "Penny Plan" speeds ${ }^{17}$ Cents a Day.
A Stepping-Stone to Success

## A Mechanical Marvel

 Theothers.
With several hundred less parts than
ordinary typewriters, its efficiency is proportionately greater
Add to such basic advantages the
many time-saving conveniences found
For young people, The Oliver Type-
writer is a stepping-stone to good writer is a stepping-stone to good positions and an advancement in
business life.
The ability to operate a typewriter The ability to operate a typewriter
counts for more than letters of
recommendation. recommendation.
Start now, when you can own. The
Oliver Typewriter for pennies. Oliver Typewriter for pennies.
Join the National Association of Join the National Assocl


Every purchaser of The Oliver Type-

HE OLIVER TYPEWRITER COMPANY


## CANADIAN PACIFIC HOMESEEKERS' EXCURSIONS

Manitoba, Saskatchewan, Albería
 Second-class tickets from Oitario stations to
prinipal Northwest points at LOW ROUND-TRIP RATES
 TOURIST SLEEPING CARS equipped with bedding, can be secured at moder ASK FOR HOMESEEKERS' PAMPH Apply to nearest C. P. P. Agent, or to R. L. Thompon, Dist. Pass Agt, T Tronto.
OMLY DIRECI LINE. NO CHANGE OF CARs.



 secured a judgrent of 8650,0000 agains
the Great Vorthern Railway, to compen
sate sate for timber burned in 1909 . An ex
amination of a 212 square mile valley in Alberta, revealed that the timber on 17 Aserta, reveated
square milies had been totally destroyed
by fire, at a loss to the community about $\$ 9,000,000$. are sold by the square mile, to the high
est bidder, at public auction. They are withdrawn from sale if the price offere the officials of the Department of the In
terior. The prices received in Manituba Alberta and Saskatchewan, averaged, per
square mile, $\$ 95.46$, in $1905 ; \$ 197.04$, in 1906; \$21.4n, in 190, and $\$ 487.46$, prices received were, per square mile
$\$ 214.82$, in 1905; $\$ 444.19$, in 1900 , $\$ 2,091.84$, in 1907 , and $\$ 10,954.49$, in
1909. There were no sales in 1903 .
1rurchasers of timber limits are require by their license contract to cut a specified
amount of timber per year, should the amount of timber per year, should the
community need it, to pay an annual community need it, to pay an annual
ground rent of $\$ 5.00$ per square mile, to board feet when they cut the timber, to
pay half the per acre cost of fire protec pay half the per acre cost of fire proted
tion, and to cut the timber under regula
tions imposed by the Dominion Govern ment. The timber limits taken up unde
18. The the Dominion Government, have usuall
been held by the original licensees, and in cases where they have been sold, the con-
sideration received has not been generall known. The Dominion Government ha
never undertaken investigations such a that prosecuted by the United States
Bureau of Corporations, and commented
on in "The Farmer's Advocate" a fev weekg ago, so it is not possible to
state what has been the increase in valu of timber limits since they left the hand
of the Government. It is known, how ever, that the chief profit in the lumbe
business, and often the only profit, ha not been in the manufacture of lumbe
but in buying standing timber cheaply and holding it for higher prices. In
stances have come to light in Canad which show that the increase in the sel
ing price of timber lands has been ver ing price of timber lands has been very
great over a short period of years. On
tract was secured from the Government in 1885 , for $\$ 25,000$. The owner logge
it to supply his sawmill until 1908 , the
refused $\$ 3$. refused $\$ 3,000,000$ for limit and mill
Another tract was assembled in 1907, fo
lise $\$ 125,000$. The greatest increase in sel
ing prices has been in British Columbia
wheri. wither Where, within recent years, tracts secured
for thousands. changed hands at hundred
of thousands. Instances are limits secured originally, less than ten
years ago, for $\$ 100,000$ or less, haver sold for $\$ 2,000,000$ to $\$ 4,000,000$. hav

TRADE TOPIC.
$\qquad$ proves the appearance of the house o
other buildings, while preserving then
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Rupture Cured

## Without Operation

 TIme from Work, and Not a Single
Penny to pay if You Don't
Get Better. No longer any need to drag through life in $\begin{gathered}\text { parts-All entirely automatically, } \\ \text { And this }\end{gathered}$




 old $\begin{aligned} & \text { operation-you who dread the surgeon's knife } \\ & \text { becase you know it results in permanent weak- } \\ & \text { neess }\end{aligned}$ Free Book Tells All About it

$\qquad$
$\qquad$

## Dr. Williams'Fly and Insect Destroyer

BAKIR \& DOUCK, MORRISBURG, ONT.

Points of Emphasis.
Dr. williams' fLY AND INSECT
DESTROVER.

1. The farmers' friend.
2. Protects horses and cattle.
3. A veritable vermiide.
4. A perfect ciisinfectant.
5. Perfectly harmess.
6. Easy of application.
7. Increases supply of milk.
8. Kills all the bad germs in your
stable, henhouses, etc., prevents
roup and hen cholera, and arrests
abortion in cattle. Has cured
distemper in two days.
N. B.- Finest vermin destroyer and
$\qquad$
The Three Grandest Disinfectants. I Sunshine 2. Air; 3. Dr. Williams' Fly and Insect Destroyer yellow label printed in black.
J. A. Brownlee, 385-7 Talbot St., London, Ont
J. A. Johnston \& CO.

171 King St., East, Travelling Representative Toronto, Ont. Woodstock, Ont

## Write for Free Booklet

Blatchford's Calf Meal-The Perfect Milk Substitute o mill feed The only calf meal manufactured in an exclusive Calf Meal Factory
STEELE, BRIGGS SEEU OO., LTD.. TORONTO. ONT
The general satisfaction cows
will manifest when freed from the will manifest when freed from the
annoyance of flies. The increase in the amount of
milk they will give. The comfort and ease in milking.
The hen get busy at her nest to lay the golden winter egg.
The absence of hair-lick on the cows' sides.
The healthy condition of your porkers' epidermis. Be progressive and use DR.
WILLIAMS' FLY and INSECT WILLIAMS' FLY and INSECT
DESTROYER. We guarantee it DESTROYER. We guarantee it
to do all that we claim for it. If not o do all that we claim for it. If not
satisfied, we want to hear from you.


APRIL
CUESTIONS AND ANSWERS Miscellaneous

ALFALFA AS PASTURE
Does alfalfa make good pasture Does alfalfa make good pasture for
horses and spring colts; (b) cows young calves; (c) pigs? 1. F. F.
Ans.-It makes excellent pasture for all these classes of stock, though a certain degree of ordinary precaution should be observed to see that ruminants do not bloat when pastured upon it tand. In fact, the pasturing of the class of stock is hard on it. unless field crop QUANTITY MATERIAL FOR
$\qquad$ how many barrels of cement would it re-
quire to build a cellar wall the perimeter 7 feet, by would be 12 inches thick, and 40 feet height ross - walls, 7 feet high by 10 inchem
thick? Stone fillers to the used in the
$\qquad$ for above-mentioned walls, supposing that
one-fourth of space would be occupied by stone fillers, would be about 41 cubic
yards of gravel, and 33 barrels of ce DOCKING HACKNEYS, Why do all cuts of Hackney horses show half-bred, were docked. The docking will 1 pure-bred ones are docked.

 it dors so, though most men would prob part. wr do not like the idea of remov
ing a horsse's fly protection. There is no hackniys without docking them, though PROPAGATING SWEET BRIER. Kindly give instructions for starting
tidye of sweet brier. Will berries of last cas in krow, and by what treatment? Ans--Probably the best way of starting
a swint-brier hedge is to grow from send
$\qquad$
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$\qquad$ "ith pine needles, or other litter, two
inches deep. Frequent examination should be made in spring, and the cover
ing at once removed when the secelling
angear if they do not appear, let the
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To be genuine it must bear the name "Bissell"

Because of the great success of the "Bissell" In-Throw Harrow several of its features have But imitated on other harrows. no other harrow will give equal
T. E. Bissell Cou, Ltd., Eloma, Ont.


Was So Bad With Heart and Nerves Could Net Sleep At Night.

Many men and women toses night afternnight upon a eleopless bed. Somer conbas so debtiitated and irritatod the heart and nervous systim that they canot anjoy the refreshing aleep which cemees
to those whose heart and nerves are right. Mra. John Gray, Lime Lake, Ont, Writes.-"Last summer I was so bod aloep at night. There was such a pain could not stoop, and at at times I would
become dizsy and have to grasp nome becomo dissy and have to grasp comeont things but never got anything to do
me any good until I tried Miturn'e
Heant and Nerve PMs and I can now Heat and Nerve PMs and I can now Tras."
Milburn'a 耳eart \& Nerve Pila sro 80 a nll dealora, or mailod direot bo 5 ne T.

Msgheriorses


A small premium will securetapolicy our Company, by which you will be folly insured againswany loss resulting or both. Policies issued covering all risks on animals, also transit insurance at all times, in all cases. Prospectus

General Animals Insurance Co. of Canada,
Dept. D. Quebec Bank Bullding Mentreal.
No. 106 York Street, Ottawe

## Rind:boic

There
bed the no me me mo old or
will not guarantee
Flemind"s

 of a bleminh, write for a free copy Fleming's Vest-Pocket
Veterinary Adviser




THE FARMER'S ADVOCATE
oUESTIONS AND ANSWERS. Miscellaneous
CURING PORK Give a recipe for pickling and curing
pork, and how to arrange same. Ans.-Several methods of curing pork are recommended. Choice can be made
of two that are given here: (1) Take 9
lbs. salt. 3 lbs hs . salt, 3 lbs. sugar, 1 pint molass
3 ounces saltpetre, 1 ounce soda, 5 to gallons wate
dissolved.
$\qquad$
$\qquad$ ast, $1 \frac{1}{2}$ lbs. brown sugar, and 2 ounces
saltpetre for every 100 lbs . of meat. ApMy three times for hams and shoulders,
and twice for bacon, rubbing in well. at
 SEEDING DOWN SWAMIPY LAND. Kindly advise how to get a piece kind of grain should it be sown with in
kith spring or fall? I have tried it often, but
never succeeded. Would it be best to drained, but the water stands on it it Ans,-It seems strange that it should be
so difficult to get a catch of grass seed so
on this drained swamp land. We should
try avain, sowing it with thin seeding of
barley, and as early as the ground is fit barley, and as early as the ground is fit
to work. Would cover the seed some ordinary soil. Would also advise sowin
about 200 or 300 llss. of satit per aar
atter the grain is up. It would like after the grain is up. It would likely
help the grain crop, and, possibly
might be of some benefit to the youns COAL ASHES FOR FLOORAFTERBIRTH RETAINED. have a gave hogpen $24 \times 46$ feet, in which
hangway about ten feet wide gang the side, and partitioned off. T
ang way is right along behind my co
where the water comes from where the water comes from a tank.
will have pipe leading right in for hogs, and the ten-foot gangway will
for calves, and Will have two half-gatess, sorrowing. as to make
a box stall at any time when needed Now, I was thinking of putting coal
ashes, mixed with salt, for a bottom to be watered and tramped down solid. Do
you think that will be a good plan or
not? I thought it would save cement Please tell me how thick you would puit
the ashes. 2. I have two cows that freshened, and
the afterbirth had to be taken away Could you tell me what caused the diffiA DUNDAS FARMER. Ans. -1 . The plan you suggest of using
coal ashes for bottom of box stalls would make, we believe, a firm floor. The ques-
tion with us would be whether it would
be water-tight, and save the liquid maWe are not in possession of facts
ugarding that, and, on the whole, would advise coing to the expense of using ce
arent. If ashes are put in. would have a depth of six inches.
2. Retention of afterbirth occurs unde varying conditions. Veterinarians say
there is no known remedy, but Many dairymen have faith in the
ondinu of Hax seed or even oil cake for
few days before calving. Several let-


Ventiplex is as soft and comfortable to the horses' shoulders as the best ordinary collar pad made-but it

is a great deal more besides. It is
the only pad that absolutely prevents galls and sore shoulders. Every other collar pad made is close and non-absorbent, so that sweat forms and accumulates under the collar, scalding the flesh pad, is made of a new, patented fabric which absorbs the sweat and moisture and carries it to the outer surface, where it evaporates. Thus the horse's neck and shoulders are always kept
dry, comfortable, and free from galls and sores. See the Ventiplex Collar Pad at your dealer's. If
cannot supply you, write us. Booklet free. bURLINGTON-WINDSOR BLANKET CO., LTD.


For Horses, Cattle, Sheep and Hogs Contains from 80 to 84 per cent. pure cane molasses
(not a particle of sugar-beet by-product enters into its composition). A digestive feeding meal, convenient
to handle, economical to use, and gratifying in its to handle, economical to use, and gratifying in its
results. Nothing to equal it for finishing stock. Ask
The Caldwell Feed Company, Dundas, Ontario
WILLOWDALE STOCK FARM HAS NOW FOR SALE
Clydesdales, Sherthorns, Chester Swine, Shropshire Sheep


CLYDESDALES-Imported and Canadian-bred
 dever endorsodd and ROBT. NLSS \& SON, HOWICK, QUE. Auction Sale of Fifteen Imported Clydesdale Fillies


$\xrightarrow[i]{A}$7 Imported Clydesdale Stalliens $7{ }_{\mathrm{W}}^{\mathrm{W}}$.
 THEDFORD STATION.
IMP. CLYIDE STALLIONS AND FILLIES

$\qquad$ Imported Clydesdales $\begin{gathered}\text { Myy new importa- } \\ \text { dink } \\ \text { dit otaliong for }\end{gathered}$
 A FEW CLYDESDALE SELECTS LEFT. $\begin{aligned} & \text { have one } \\ & \text { Clyderarold } \\ & \text { Clydane stal } \\ & \text { tallion }\end{aligned}$
 Meunt Victorla ELLIOTT, BOLTON, ONT.
Marm, Clydes and Hackmeys, We are hut now offering exceptional valuen in, Clydoodale and Hackney stallions as




 tario
Sisesump -

$$
\text { inas. sir Goof fay and Silver Cipp } \text { D. McEACHRAN. }
$$wir whith arype quality, breoding and character unexcellod. Our prices are right,

Thone

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I
AND

W. F. Young, PiD. F., 258 Temple St, Springitield, Mass

## INVENTIONS


 pLEASE MENTION THE ADVOCATE.
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## CLIMB ON!



QUESTIONS AND ANSWERS.
Weterinary.

## men on a $12^{\prime}$ CLAY GATE and it didn't even sag.

Writo for circulars and particulars of our sixty-day tree trial offer to

## Clydesdales and Hackneys <br> FOR SALE

We have more prizewinning Clydesdale fillies for sale than any other firm. We have them any aly
Hodgkinson \& Tisdale
Simcoe Lodge, Beaverton, Ont.
Long-distance 'phone. G. T. R. C. N. R.


Union Horse Exchange UNION STOCK YARDS, TORONTO, CANADA.
TORONTO, Great wholesale and Retail


 J. HERBERT SMITH, Manager

HIGH-CLASS CLYDESDALES
find that he has a a habit of swinging his head from side to side in the stall.
fore toe turns out when either standing or travelling. Is the habit the cause of
the toe turning out?
F. W. LeL. Ans.-The habit is a form of chorea, a
nervous affection, and is called weaving.
net Medical treatment does no good. It may
be checked to some extent, and, possibly,
bevenally be checked to some by tying him with two
eventually cured,
straps, one to each side of the stall, so that he cannot practice the vice. The of the foot. This is a congenital and
very undesirable conformation, as it predisposes to speedy cut, or knocking the ing can be done for it, except careful
shoeing, and it is olten necessary to wear shin or knee boots, or both, in order to
agalactia.
Breeding sows are fed as follows: After
being bred, they run with boar for six being bred, they run with
weeks in the slaughter-house yard and
are are ted on offal and a little grain. Then
they are kept in the manure cellar until
with within two weeks of farrowing, and are
fed on cracked corn, oats and buttermilk fed on cracked corn, oats and buttermilk.
Then I put them in the pens and feed
scalded middlings and buttermilk. One scarred don Aprill 1 st, and had no milk.
farrowed on
I fed the pigs on cow's milk. The sow
nel never had any milk. On April 3rd, twr
more sows farrowed, and had no milk
until the third day and then wery until the third day, and then very little
I put the pigs of the first sow on these
hut the pigs are dying. Another so farrowed on April 6th. She had no mill
$\qquad$
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H. H. Hice. YOU WANTA STALLION OR A MARE Smith \& Richardson, Collumbus, Ont.
Have some of the choice ones left yet. It will be worth OF TORONTO JUST $35 \begin{gathered}\text { MILES } \\ \text { PRICES TO }\end{gathered}$

NEW IMPORTATION COMING

JOHN A. BOAG \& SON, QUEENSVILE

## The Burman

 HORSE CLIPPERS as supplied to theCzar of Russia, the Czar of Rustia, ite
King of Denmark,
.

 adopted by the War
Oar-
Offe. man Power Clippers
are the accepted standard wherever
horses are clipped. Points Ball Bear-
ing Long Shaft Hook for Holding
Head Close.Clip
 BURMAN \& SONS, LTD birmingham.
$\qquad$ Montreal.

DUNHAMS' PERCHERONS
C. For forty-six years renowned the importations since February 1, 1910 (the last arrived October 12th), insure fine selection, as ually selected for size, bone quality and excellence. If you want choice stallions or mares, write for catalogue, illustrated from life.
W. S., J. B. \& B. DUNHAM ..net,
3 Clydesdale Stallions
for sale, rising 3 years old. Large draft fellows,
with the best oflegs and feet. . Will be sold at prices to defy complay GUELPH, ONTARIO O. SORBY, MESSRS, HICKMAN \& SCRUBY Court Lodme, Bgerton, Kent, Eage



 Percheron, Belslan, Shire and Hackney Stallions and Mares. As kne lot lot as there is in America; 3 te 4 yesars


Lew W. Cechran, CrawfordswWle, Ind FOR CLYDESDALE STALLION
 Price right.
ANDREW TURNBULL, Branchton, ont.


 UNKO2.11I/2 $\overbrace{\text { trinting race }}^{\substack{\text { Trinating. }}}$ $\$ 25.00$ to insure. Owned by:
URI PIERCE, FALCONBRIDGE, ONTARIO
PLEASE MENTION THE ADVOCATE.
 know is built of the highest quality materials obtainable -a wagon that is not only attractively finished with the best paint and varnish, but which also gives perfect service day after day, and year after year. That's why I H owners are so proud of their wagons.
If you want to be proud of your next wagon-choose one of these two in the I H C line-

## Chatham or Petrolia

The loads they carry, the roads they traverse, and their wonderful durability make others wish they had bought a Chatham or Petrolia.
Chatham Wagons have a long record for satisfactory service in Canada. Made with hard maple axles, oak bolsters, sand boards, rims, and spokes, and oak or birch hubs-they you buy a Chatham wagon it is with the assurance of getting you buy a Chatham wagon it is with the assur
Petrolia Wagons are constructed of first quality woodstock which is thoroughly seasoned by being air-dried. The ironing is of the very best. The inspection of each part is most rigid
Be sure to call on the I H C local agent, get If you prefer write the International Harveste

IHC Service Bureau This Bureau is a
clearing house of
nes. cleating bueneus of


Company of America at nearest branch hous for any information you want.


EASTERN CANADIAN BRANCHES:-International Harreeter Company f America at Amilton, Ont.;
Othema, Ont.; St. John, N. B.

International Harvester Company of America

_ The



SCOTCH SHORTHORNS 00 head in herd.


 cailly suitable for herd headers 25 young cows and
heifers in calf; among these are some good ones for
foundation purposes. Farm $1 / 4$ Mile from Burlington Jct. Sta. Mitchell Bros., Burlington, Ont.
 THE FOLLOWING CHOICEY-BRED
Nome Royalty
Reifers
and
$=8105$
cows of vari Eurfintor Jct, Sta., G.
W. G. Pettit \& Sons. Freeman. Ontario.

H. CARGIII, \&E SON



Robert Miller, Stouffville, Ont



questions and answers

## Miscellaneous

SEED PEAS
Mease tell me where I can get crov

vertusing in "The Farmer's Advocate"
Varmers having Crown peas for sal should advertise them in our Wants an or Sale column
transplanting white SPRUCE.
How and when should I transplant the white spruce ${ }^{2}$ There are plenty all sizes in the neikhboring swamps
ntend to set out some this spring.
 possitle. Whe careflut to keep roots from
Irying while being moved, covering them with an old cloth to shelter from the sun
rays. Plant about the first of May. D nos. set a tree in the hole and throw,
nearth on the roots and trample it dow,
 planting cedar hedge
"hat time of the year is best for plant-
ing a cedar hedge"
A bout what height
 lose together

mushroom-growing-sap vin-EGAR-LEOPARD LILY

1. Will mustrooms grow with success in
in outdoor cellar in sandy soill, and prop-


Ans.-1. Decaying vegetable matter,
uniform and rather low tomperature

cate" of January 26th, 1911 .
2. Answered to another correspondent


## Veterinary.

QUinsy
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## I Gured My Rupture

I Will Show You How To Cure Yours FREE!
$\qquad$

 vend the cure free by mall if you write for it. It
sured me and has since cured thousands. It will
anne you sure you,

Froo Rupturo-Gure Coupon

## OAPT. W. A. OOLLOMGS

 Ner Discovery for the Cure of Rapture Name... starce.

ABERDEEN - ANGUS


Angus Bulls for Sale bulls, one year old and unde..
 Royal Clare $=66772=$ for sale

$\rightarrow$
 wM. SMITH, COLUMBUS, ONTARIO Shorthorns, Cotswolds, Berkshires.


 Maple Grange Shorthorns

?
n=
 thick, even and mellow.
R. J. Doyte, owen Sound, ont. JOHN GARDHOUSE \& SONS
 mported in Angust; also a. choice lot of ram. Tonore. HIGHFIELD, ONTARIO. OAK LAINE FARM Heitestales, shornows and cotswolus .
 SHORTHORNS - Imported stokk bull for salef

 GEO. D. FLEECHER ETISTA. C. P. RINKHAM P.O.

Shorthorn Bulls




## A BAD COLD <br> Developed Into BRONCHITIS.

Neglected Bronchitis is very often the direot oavse of Consumption, and on the first aymptom appearing Dr. Wood's Norway Pino Byrup should be used and the Bronchitio oured.
The symptoms are, tightness across the chest, sharp paine and a difficulty in breathing, a secretion of thick phlegm, at first white, and later of a greenish or yellowish color, coming from the bronchial tubes when coughing, especially the frot thing in the morning.
Mra. Dan. J. MoCormack, Cleveland, N.S., writes: "My hitue boy two years into Bronohiti.. Ho was no choked up he could handly breatha. Roading about your wonderful medicine, Dr. Woiry Norway Plat Byrup, I decided to ury bottle and with such good result I go another which comperar. I cannot say without heving accor. I would not be too much for fto praise; I would not be withour oure for Oolde and Bronolitila."
The prove of "Dr. Weod"s" Norway Fine troup it 950 . It is put up in a yellow wrapper. Three ptne trees is the subertitute for $\mathrm{Dr}_{\mathrm{r}}$. Wood's.
Manuthotured only by The T. Milburd Co, Limited, Teronto, Ont.
10 Scotch Shorthorn Bulls IO

 JOHN MILLER, BROUGHAM, ONT Woodholme Shorthorns are of the richeo modern in type and quality. Por sale: One and twoyear-old heifers, several
feshed, low-down and mellow. G. M. FORSYTH, Cleremont. Ont.
100 yards from station. MAPLE LODGE STOCK FARM 1854-1911 o strictly first-class young Shorthor bulls for sale now. Come and A. W. SMITH, Maple Lodge, Ont HIGH-CLASS SHORTHORNS


 SHORTHORNS Canadian-bred and imported. Females all ages
los a few good YORKSHIRES -boars and sows. Phices right.
Phone connection. Kyle Broso, Ayr, Ont.

 Hasersville, ont. Oakland Shorthorns for Sale
 sio. Elder \& \$ on," Hensall, Ont. $\$$ MRRTHRNS, clydestales and oxford
 next month. Phone
ford, Dutten Ont.
Ont cotch Shorthorns For SALE Thent Mimp. Pettit, Frememan P. 0 ., Ontario

QUESTIONS AND ANSWERS Miscellaneous.
lumps in teats.



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$\qquad$ mphatically would such advice be give
hen the cow is old and her period sefulness nearly past.
STORING A STOVE
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$\qquad$
$\qquad$ not want it ? He called withe stave
about dark, and had about thirty miles
to him leave the stove, as he said he would
come atter it soon.
SUBSCRIBER. Ontario. Ans.-No : and we think it advisable
that you should notify the owners of the stove, in writing, insisting upon its immediate removal, and that meanwhil
you will charge for storage.

## SHEEP SHED


$\qquad$
$\qquad$
$\qquad$ $20 \times 32$ feet, with posts sufficiently high
store the hay necessary for the number sheep. An arched roof, similar to that
shown in our April 20th issue, page 696 will be found cheap and suitable. Buil
if practicable, on high, dry ground, wit
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$\qquad$ COST OF CHANGING BUILD, NGS
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Consult your wife about the new barn. It's your duty, Mr. Reader. She has helped you make a new barn possible. Get her opinion of "Galt" Steel Shingies. yhe you. Find out for yourself what "Galt" Shingles are made of lightning-proof made-how they lock - how they and permanent roor.- you can use. Or if your present barn needs a new other building matecas barn by putting a "Galt" Roof on it. For old

## "Galt" Steel Shingles.

Tear out this advertisement write your name and address on the line at the botiom


Name GALT ART METAL CO., Limited, - GAET, ONT.
THE GALT ART METAL CO., Limited, Bide from Galh
A.


HE DOMINION LINSEED OIL CO., LIMITEI); BADEN, ONT.
 Springhurst Shorthorns and Clydesdales material should see this lot. They are strictly high hoclass, and bred on show lines. Also several Clydes $\frac{\text { Shire Stallions and Mares, Shorthorn Cattle (both }}{\text { Sill }}$ sexes); also Hampshire Swine. Prices reasonable. orter Bros., Appleby, Ont., Burlington Sta. 'Phone. Scotch Shorthorn Females for Sale $\begin{gathered}\text { I am offering, at very rea- }\end{gathered}$ Som one year to five y years of age. The youngsters are by my grand old stock bull,
(9006), and the older ones have calves at foo by him or

 A. WATT, SALEM, ONTARIO. class we can generally fill the order.

 WATT \& SON, SALEM, ONTARIO. out of imp. mare.




Instal Your Own Waterworks




 STEEL TANK CO., TWEED, ONT

RNGINGINDARS DEAENESN DRMAKS:AJIS CATARTi STURE

BUSINESS-BRED AYRSHIRES





wSPRINGBANK AYRSHIRES ${ }^{\text {The world }}$ of leading berd of Reocrd
 CHERRYBANK AYRSHTRES!CRAIGALEA AYRSHIRES! CHERRY


CRAIGALEA AYRSHIRES Mitiman anampeain STONEHOUSE
Ayrshires $\qquad$



 v. Dyment, R. R. No. 2, Hamilton, Ont.

Ayrshires cill ind Yorkshires




## QUESTIONS AND ANSWERS

 Miscellaneous.Stallion slow in SERving; I have an imported Clydesdale
Iion, 5 years old a a sure fool-gete
ion ne is very slow in serving mares.
vou suggest anything that will mab spruce up? Last year I had th Ans-Medicines do no good. Fownd
moderately well on good hay and ouls with a carrot or two daily, and a teed
of bran with a little linseed meal twice wekty, s soon as the granss grows
allow him have some every day
him rive
himerular exercise, of not less than to reguar exercise, of not mess than 8
him to serve daily, and do not require than one maru
him BUTTER CONTENT ANB PRICE OF TESTED CREAM 1. How many pounds of butter are in
a hundred pounds of cream testing 32 2. With cream testing 32 per cent. 32 cents per
at 40 cents
 2. A gallon of cream testing $26 \%$ fat should weigh about 10.01 lbs. For prac
tical purposes, $32 \%$ cream may be said
io meid
 REGISTRATION OF CHESTER I have now on hand some young pigy
rom purebred registered Ohio Improved Chester white site and dam, and as 1
ish to have them rexistered. I would like to know, through the columns of
your valuable paper. to whom I shall ply for the desired torms and rexistra,
tion papers.
tonat would be the - P. E. I. Reader. Ans. - ld your chester white hogs were
bred and farrowed in Canada, both the sire and dam will have to be recorded
in the Dominion Swine-breeders. Record
if tred in the United States and far-
if rowed in Canada, the dam will have to
be Canadian recorded. In either case
American rexistration papers
must be merican repistration papers must be
forwarded tot ottawa, acompanied by the
cerular Canadian application form filled
 May be required in your case, you
heltur write to the Accountant,
tional T.ivestock Records. Ottawa.: What value is slaked lime to land
$\qquad$ Wirect. What it does its more, perhape. of turnishing fertilizing materials. Lime
is supposed to hasten the decomposition iberate potasm hrom some of the inno tuble
urus of contination, thus rendering Wailable to the plant. There are two
classes of soils on which lime has a very
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$\qquad$ readily. It relieves the tenacity of such
clays by a physical action through which
 atuct more eashly drainnod, and lopss likel? On some soils, surrel is found growing Co erdinary tarmu soils of ontario, how
ver, sulticient cuantities of time are con nce it woulld hom an econnemic mistake
$\qquad$

APRIL 27.19 RUESTIONS AND ANSWERS UESTIONS AND ANS
Miscellaneous. SPRAY FOR SAN JOSE SCALE. Which would be the better to use for
kuling Seale, Scalecide, or or
Jose
J. . D.
 Rns. le lime-sulphur.
(er the
STRAWBERRIES-VINE FOR
WATI.


 Central Fxperimental Farm, Ottawa,
Beder Wood Splentid and wiliams, For
For domestic use, the best
Splendid and Sean antor Dunlap. In the Splenity of l.ondon, the one berry which
vionity
ountumbers williams. The 300 plants, set is inctes apat is a fould fill a plot 15
row, and in 5 rows, when or 16 feet wide by 90 feet in length,
suitable shape for being worked with horse
2. Would advise trying virginia Creeper
again.
It is, by many, considered
 hardy, White Boston Ivy is only halt-
harry. A nother most beautiful vinc, and
fairly hardy is fairly hardy, is Joapanese Honeysuckle. It
is a rapid grower, and bears an abun dance of lovely, fragrant flowers. Can
be got from nurserymen. Is practically an evergreen, as the leaves, though brown GRUB IN THE HEAD. For the last few days I noticed that
some of my sheep have been getting weak and losing their lambs before time. In
the course of treating with turpentine. I find warbles in the nose. The warbles
are wheut $\frac{q}{4}$ of an inch long.
1 Would the warbles be the cause of their losing the lambs?
2. Would there be more than one
warber warble in each sheep's nose?
3. Could you suggest a cure? Guron Co. A. C.
Ans.-1. The larvie frequently found in
And the nostrils of sheep are not commonly
called warbles, but grub in the head. Many sheep are infested with grubs that
show no sign of illness. A sheep well show no sign of illness. A sheep well
fed and in vigorous health may resist
the injury which they cause, and in due course the grub whill come out of its own
accord, and change into the sheep gadfly, which is the name of the parent in-
sect. Quite probably the grubs were sect. Quite probably the grubs wer
causing the trouble in your flock.


## CAIFMEAL <br> BIBBY'S CREAM EQUIVALENT

 Young Calves develop and grow surprisingly well when fed "Cream Equivalent" either with or without separated milk. It is not a drug or "FAKE" meal. Has by one of the most honorable firms in Engiend Canthe largest sale of any Calf Meal in the Worla, haghest adian Government report shows it to contain the $\$ 2.25$ percentage of nutritive value. Hot or Cold woaterdealers everywhere sell DEALEAS EREAM EQUIVALENT
 WM. RENNIE CO. Limited TOR

LARGE CLEARING AUCTION SALE!
Holstein-Friesian Cattle, Clydesdale Horses AND OTHER FARM STOCIK AND IMPLEMENTS PROPERTY OF W. P. ELLIOT, AT THE FARM. MILES NORTH OF YORK STA.
TUESDAY, MAY 23, 1911
48 Head of Holstein-Friesian Cattle ( 44 females, 4 Bulls),


|  |
| :---: |

FAIRVIEW FARMS HERD - HOME OF \%
 months, have records that average
made over 20 liss endh

 E. H. DOLLEINS AND YORKSHIRES HOL More high-record cows in out herd dhan in any othor in Canadadindulu-


 D. C. FLATT \& Son. MKISNHMSIMS!

## 

H. IN Oaler, Bromte, Ontario





G. W. Clemons, St. George, Ont.

NO INTEREST CHARGED


WE NEED THE MILK
 Apmi 1 1 must go. This means atrractive oficice you can buy for how little meney.
MONRO
. LAWLESS Elimdale Farms, Thorold, entarie Fair mount Bull calive For sile MOLSTEINS Corrucooie Lai, whose dam for
 s. R. Gies, Heldelburs, Ontario HOLSTEIN-FRIESIAN RRGAINS AT SPRINGBROKIAN
 them. C. HALLMAN, BRESLAU, ONT. THE MAPLES HOLSTEIN HERD


Wallburn Rivers, Folden's, entario

 Srandeon of Mendereleate Dekiol Prioes righad
 HOMEWOOD.HOLSTEINS

 Helstein Cattle - The moonf proftabld deain
 ${ }^{\text {Amperlieb.ero, } \mathrm{ve}}$






 Worthp RIDGDALE HOLSTEIN FRIESIANS - A few




Tho frat romodio
Fleminges Lump Jaw Cure


 Hemine: Veot Pootke Motompoternary Aduber


## wool

Let us know about how much you,
will have this season and the breed, that we may keep you posted on prices. You might as well sell to us, and make
the most profit possible, instead of the most prod
selling locally
peling leacaly. Send US Now your name
and and address, so
touch with you.
E. T. GARTER \& CO. TORONTO, Cront Street EANADA.

Alloway Lodge Southdowns



 ROBT. MCE WEN. BYRON, ONT CATTLE and SHEEP LABELS Metal ear labele LABELS Mint werer nimeld
 your name and addreess tod tod ...J.James,Bowmanvilie,0nt. Oxford Down Sheep, shorthorn cal


## CANNOT FAIL TO

 INTEREST WOMENAlberta Lady tells of her cure b Dodd's Kidney Pills.

Was weak, nervous, run-down and sut Sering from Rh Rumatism - Dodd's
Kidney Pills made her a new person

F. Reyome, of this place.
actly in that condition.
 her statemens. given for pultirat wn



 descript of Canada? The docter did? | understand |
| :---: |
| enough. | Kidney Dispase

women's troubl

THE FARMER'S ADVOCATE
questions and answers Miscellaneous.
sun spurge. What is the best way to kill sun
purge, Would summer-fallowing till the rrst of August, and then sowing la
urnips or rape kill it.


 Tene treatment you suggest, that of sum-
The t-ral
mer-allowiny till the first of August, and
 WAGES FOR TIME LOST BY SICKNESS
Was hired to farmer for 12 months.
During that time 1 was sick with lan grippe for a week, also whilst putting
a can of milk onto wagon 1 slipped up-
on a sheat of ice whin
 Ror the intor was sick Would you
kindy intorm me whether he has powe o do this, and whether ${ }^{1}$ can clain
wages for the above period ? Ans.-Your employer had no right t,
withhold your whyes as he did. You cail justly claim them.
TOULOUSE GOOSE EGGS.
Having seen in "The Farmer's Advo
cate" the picture of a pair or Toulouse cate" the picture of a pair of Toulouse,
geese, 1 would like to have a setting,
 them, please let me know where I can
get them, as they are not advertised in Ans. - This is is the second enquiry for eggs of Toulouse geese that has been
received since the cut of the geese ap-
 it to theirs advantage to advertise them
in our columns. atvertisenent by those desiring eggs int
serted in our . Wants and For Sale column would he worth while. diarrhea in little pial
SWOLLEN UDDERS wollen udders
 rran and shortse
Whe feed the sow
Thouble anter they are out the take
 2. We nave cows that after fresheni

 Tin. Ifeed of has, athout 10 pounds, wt
 owe should hen of hept indicest ion or quarters.
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## TMME TNO DIP <br> THE BEST DIP



Kills Ticks, Lice and Fleas
Cures Contagious Abortion, Hog Cholera, Mange and
Eczema. Send for Our Veterinary Book.
I Gallon, \$1.25, prepaid ; 5 Gallons, \$5.75, prepaid WITHIN 250 miles of TORONTO.

Roonester Germioide Co. JARVIS STREET, TORONTO.

STOP! LOOK!! READ ! !! FAIRVIEW SHROPSHIRES!!! Are now increasing rapidy in nember. Shearlings and lambs., Choice. Getting ready for the DUROC-JERSEY BWINE LARGE WHITE YORKSHIRES

 Property
of Joseph Featherston \& Son, Streetsville, Ont.


[^7]1R1L 27, 1911
FEEDING BRAINS Why Studious Children Always Crave Oatmeal
Nature gives oats more organic phos
pharus than to any other grain she grows

 food -than any other
foreatest energy food
greatest senhy yrowi. my children love oat-
meal. Some instinct with in them calls tor meal. Some instinct within to then child who
these elements. and woe to the
 The right oats for food are the rich,
plump rains. In the choicest oats there
pre but en pound pire but ten pounds to the bushel. In mak-
are
nouaker Oats these choice crains are se
 Quase but one-4atl cent per dish. Ont
dish is worth two dishes of common oat disel. . Dort you think it would pay to

serve your children such oats? | Made in Canada. |
| :--- |

## Don't Weap

A Truss
Ten Reasons Why You Should Send For My New Appliance

I Send It On Trial
 Lodied the porns.
aiter tor years. The Apdiance tor ret ining the rupture car


The above es C.E. Brooksof Marshar, Mic ho has seen curlins Ruptere fort over
 rritation.

 nearing a harress




Wy repunt tion for honesty and tair denting Wer thiry years ot deallas Sending tree creotevpon todas?
 Rinat I say is true. You are to meill today

|  |  |
| :---: | :---: |
|  |  |
|  | Please send me by mall in plain wrap tion about your Appllance for the cure rupture. |
|  | Name |
|  | st |
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THE

 artinent questions. One day he mim tal
an on the train who mistook him a traveling salessnan, ana sis house?" ho vegan as an opener on earth," repli
-The very biggest winkle in his eye. We Bishop with a twinkle in his eye. ${ }^{\text {a }}$ tinued the questioner,: pleasantly. Lord and church". Neve?
"Ilum ! neard of
anywhere "Oh, yes, Indecd. branch houses all oy he world.'
of them.
"Oh, I sees dry goods, I suppose.".

Peerless Fences cost the least per year of service


Sharp, Stiff Discs and Sure-CleaningScrapers

## A Most Important Operation is Preparing the Seed Bed. Do it Right!

Farmers who are getting the best results from their land know that the preparation of the Seed Bed is the most important operation. Those who are NOT getting right results are probably not paying enough attention to this. Why not investigate? "Cockshutt" implements give best results under all conditions and are, therefore, the ones you should have on your farm.

## (5)

## "Cockshutt" Scotch Clip Harrow

T
HIS drag harrow, with an all-steel frame, is the ideal harrow for hard, heavy work. The teeth are made of extra tough and hard high carbon steel. They are wedge-shaped, and when driven in to malleable clips they cannot become loose. As the teeth wear down they can be easily adjusted for length, or removed and very cheaply renewed. There are no bolts or nuts to shake loose, thus avoiding endless trouble. Made in three different weights, in two, three, four, five or six sections, with 15 or 20 teeth to a section, as desired. This range of 20 teeth to a section, every opportunity to select a harrow which will exactly suit his needs.

## "Cockshutt"

Diamond Harrow

THE "Diamond" harrows are made of high carbon channel steel, carefully put together and embodying the most practical ideas They make an excellent seeding harrow and will give complete satisfaction

For all kinds of light work the "IDiamond" harrow cannot be improved on. They are strong and serviceable and really will do their work better than any other light harrow on the market. They are made in 2, 3, 4, 5 and 6 sections, with stay chains between the sections to keep them from spreading or swinging apart. Like all other "Cockshutt" implements the "Diamond" harrow is thoroughly dependable.

This plow, one of our latest designs, has already made a name for itsel among Ontario and lit ern farmers, for whom it was especially designe bottoms, which are not needed here. Bu! sulky is the footlift : can drive a team of The levers alc attention in the frem entirely by the fooll the plow up when when set for work. sill rise when strikin re, most userul

## COCK



It fully describes the whole line of "Cockshutt" arm implements, including Engine Gangs, Walk our Judy or No. 21 Sulky Plows, Single Walking Plows, Harrows (Dise and Dragं) detailed description is thme whet makes this the ideal 4 . which emables any boy who - - ment
phon when once set is operated
phon when once set is operated prectal device locks and locks it down ad un that the plow preventing brean docired bo fitted

- PH PLOW
? BN
BRANTFORD


[^0]:    BEATTY BROS.,

[^1]:    Stables Sucking Calves One of our subscribers, T. J. Viveash, being
    interested in the account of how (ieo. T. Nichol reared his calves (having one cow suckle three) which arpeared in the issue of March 30th, sent
    an inquiry to us asking if Mr. Nichol did not have an inquiry to us asking if Mr. Nichol did not have
    trouble in getting his cows to breed while sucklin, trouble in getting been told that so long as a co calves.
    was sucking calves she would not come in
    heat. The query was forwarded to Mr. Nichul. hat. The query was
    who anstwers as follows
    
    
    

[^2]:    Ed would like a litule adyice from wou or some of your readers about a silo. I think we should
    build one $16 \times 40$ feet, but would rather have one build one high, as we may in the near future like to fill with our own help, and a carrier box, with gasoline engine or electric prower. About six If we hat a silo 16 feet across, and were feeding.
    
    $\qquad$

[^3]:    Cumberland

[^4]:    

[^5]:    (1...) cat catty ping mày bo used to pl

[^6]:    
    
    
    
    min
    
    The Hamilton Incubator Co., Limited
    Hamilton, Ontario

[^7]:     4, $\qquad$ M ATTHEW WILSON, FERGUS, ONTARIO Newcastle Tamworths and Shorthorns $\mid$ Willowdale Berkshires,
    
     $\qquad$
    Pine Grove Berizahires.
    
    
     MAPLE VILLA YORKSHIRES AND OXFORDS A grand lot of boars fit for service. Some splendid sows to tarrowt to frist-class boars. $\begin{gathered}\text {. } \\ \text { including end pen at } \\ \text { Winter }\end{gathered}$ Bradford or Beeton Sta. J. A. CERSWELL. Bond Head, Ont
    

