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LONDON, ONTARIO, JULY 11, 1912.
No. 1033

(Patent applied for)

## STRONG, GOOD LOOKING AND ECONOMICAL

For enclosing Farm Lawns, School Grounds, Church Yards, Cemeteries and Public Buildings.
An Ornamental Fence of massive appearance, at a much lower cost than ordinary iron fence with round or square pickets.
Angle steel material is used throughout the construction of this fence. The horizontal bars are $2 \times 2 \times 1 / 6$ inches thick, and pickets /4x $x^{3 / 4} \times 1 / 8$ inch thick, spaced three inches from centre of pickets. Seer angle shape has double the strength of the same weight of stock in ordinary round or square best construct a most

Line Posts are 2 inches square, formed by joining two angle-bars of the same size and weight as horizontal rails. End, corner and gate posts are 6 inches square, and are made from four angle-bars of the same size. All posts have cast caps. Made in heights of $\hat{3}^{6}, 4^{2}, 48,54$ and 60 inches.

## Gates are made to correspond in appearance and design.

## CONSTRUCTION


$\sim$

Picket and Rail Section From the front or face view the construction of the fence seems to be of solid square iron bars.
The fence is as strong and durable as it looks.

Sections of this to we
No other exterior improvement can so add to the appearance, or will show up to quite as good advantage as a good metal fence. Let us have a rough sketch of your lawn, showing position that the fence will occupy, and the location of gates, and we will tell you the exact cost for

Other Frost products are: Frost Woven Fence, made from wire which we produce and galvanize in our own factory here; Metal Gates, all galvanized, and fence supplies eders

 B Hand Fatm Wayon sates mud hinad

$T-\Delta$ Wide-Tire Steel Wheels

 whels. Make yourdel
watons new fy fitiog
then up with these superb
wheels.
 you can make ta
Sitale
fite
Tudhope-Anderson Co'y, Ltd. Orillia, Ontarlo


SYNOPSIS OF CANADIAN NORTHWEST A NY PERSON who if the sole head of


 homesteader may in ench of three years.
homestead and





 Deputy of the Minisister of the Interio N.B.-Unauthorized publication of this adver-
tisement will not be paid tor.

better write us for price of tbis machiner crete you
Whe have
thatgest line of concrete machinery





$\mathrm{N}^{\mathrm{o}}$FARMER who has used Canada Cement asks that question, because his first trial answered it to his complete satisfaction. Yet it is only natural that a farmer who has never used concrete-perhaps yourselfshould require convincing reasons before deciding to use it himself.

If we knew where you lived, and knew your name and the names of your neighbors, we could tell you of many men in your own locality who would be glad to tell why they are using Canada Cement. Since that is impossible, this advertisement will try to give you an answer to your question.

## What is Concrete?"

$\mathrm{C}^{0}$NCRETE is an artificial stone. It is a mixture of cement, sand and stone, or of cement and gravel, with water. The proportions of the various materials vary according to the purpose for which the


THE mixing and placing of concrete is elaborate tools are needed.
concrete is to be used. This mixture hardens into an artificial stone. This hardening process is rapid at first, and in a few days the mixture is as hard as rock. After that, time and weather, instead of making it crumble, actually make it stronger
Since stone, sand and gravel may be found on nearly every farm, the only cash outlay is that required for cement. Cement form only a small part of finished concrete, an this expense is relatively smal
Concrete may be mixed and placed at any season of the year (in extremely cold weathe
 self and
your reguyour regu
lar help Thisallows you to take advantage of dull sea-
sons, when sons, when
you would otherwise be idle.
The mixing and placing is sim-
CONGRETE is the ideal material ple, and for barns and silos. Being full direc fire, wind and weather proof, it tions are
protects the contents perfectly. in the book which we will send you free
"What Can I Use Concrete For?" CONCRETE can be used for all kinds of improvements. By having a small supply of cement on hand you will be able to turn many an otherwise ide afte noon to good account by putting a new step
or repairing an old foundation wall. It is a mistake to suppose that you have to be ready for a new barn or silo to be interested in concrete. Besides, it is just as well to small jobs, for then you will be better able to handle big jobs better able Firste big jobs later on

First cost is last cost when you build of need to be repaired. They arovements never and every dollar put into them adds several dollars to the cash value of your farm, and in many cases improvements of this everlasting material are actually cheaper in first cost than if they were built of wood. The cost of lumber is constantly increasing, and it will not be many years before its cost will be prohibitive.
You should use concrete, because by so doling you can make your farm more attractive,
more convenient, more profitable and more valuable.


0 UR mills are located all over where you live you can get Canada Cement without paylng high prices caused by long freight hauls.
"Why Should I Use Canada Cement?"
WV E were the first cement company to investigate the farmer's needs, and to point out to the farmers of Canada how they could save money by using concrete. We conducted an ex difficulties they were likely to encounter, and how to overcome them, and published a book, "Wha the Farmer Can Do With Concrete," containing al
the information that the farmer could need. We have made a special effort to give the farm-
the
Wers cement that can be

CANADA CEMENT COMPANY, LTD. 550 Herald Building, Montreal
Please send me, free, your book: "What the Farmer Can Do Witt Concrete," and full
particulars of the 1912 Cash Prize Contest.

[^0]Address..
made, but also every possible assistance in the use is at the service ree Farmers' Information Burea questions con-
cerning the use cerning the use
of concrete are
oron mos answereted at once, and the
Bureau is alBureau is al
ways glad to
weceive sudg receive sugges-
tions from farmers who have discovered new
uses for cement. uses for cement.
Last year we conducted a
$\$ 3600$ Cas $\$ 3600 \mathrm{Cash}$ in which farmers in every Province participated. A This sizn hanssin front of nearsecond contest, It ly allo nur dealers's fores tert times as many
prizes are offere, has ben year.
You can easily see why a company that is voting this mucb attention to the farmers' needs is in better position to give you-a farmer-satisfac $\underset{\text { ada Cement will }}{\text { adways give you }}$ satisfactory results.
Every bas and Every bas and
barrel must undergo the most rigid inspection before
leaving the factory.

YOU should use "CANADA" Ccment because Its makers offer you not only the best cement made, but also careful, consclentlous, personal assistuse in making use of


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tionally large values on account of the very high guarantees contained therein.
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 CREAM SEPARATORS
## SAVE MUCH TIME AND

 LABOR IN SUMMERBesides their great increase in quantity and improvement in quality of cream and butter DE LAVAL Cream Separators save a great deal of time and labor.

This great saving of time and labor counts for more in summer than at any other season, and often alone saves the cost of a separator, aside from all its other advantages.
As compared with any kind of gravity setting the saving of man's time and labor overwhelming
As compared with other separators the DE LAVAL saves much time and labor by its greater capacity, easier running, easie handling, easier cleaning and freedom from need of adjustment or repair

These are merely some of the advantage which make a DE LAVAL Cream Separator the best of al ummer farm investmens, as
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with This freshness of the air. But while we all love flowers,
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ail

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(e) © Trees and Shrubs Lovely Roses Bush, Ciliming and Tree. Quick Growing Climbers Hedge Plants

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oracillcal experience.
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Third deas pasengern berthed in cloed rooma outr | THE ST. LAWRENCE IS |
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| THE SHOREST ROUTE TO EUROPE |



Mention "The Farmer's Advocate."

- PANS JR MSELF BYTEE COA MS


Vol. XLVII.
EDITORIAL.
$\qquad$ couraging combination.
$\qquad$ $O^{1 d}$ If a little of the time spent drawing unscreened
gravel were devoted to raking up and hautin the stone-crusher the cobble stones and large way, it would be a move in the direction of true
$\qquad$ clouds of long trian or equine means of locomotion almost un bearable, it looks as though farmers will soon be The first cutting of alfalfa at Weldwood, re-
moved during the last week of June, made an average of about a ton and a half of cured hay rain. On the part of the field seeded with barley weeds thick. On the summer-fallowed portion the crop was clean, and must have cut nearly two
tons per acre. Dominion Day saw the field nicely tinged with green, though no rain had fallen for
$\qquad$ For combination of stateliness and grace, what specimen can equal it? Individual it stands
along tho boundary fence or in the pasture field, its giant trunk straight as an arrow, massive,
topped with branches drooping at the tips, almost every tree displaying a particular form of its it has been spared the axe where other trees have gin Long may it remain in suitably-selected
Spare the elm.
$\qquad$ committed in the name of road improvement, w
should like to look over his list. There must b a great many entries against supervisors who a ridges along the highways, without first screening the larger stones. These, if crushed, would find their way to the surface, causing endless ansons; also, injury to the road itsel
$\qquad$ and raised mostly grain and timothy hay, but he
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THE - ARMERS ADVOCATE AND HOME MAGAZINE THE LEADING AGRICULTURAL JOURNAL IN THE DOMTNION.
PUBLISEED WEEKLY By
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Agenta
$\underset{\substack{\text { Farmer's, } \\ \text { Winnipeg, Man. } \\ \text { Advoate }}}{\text { Man }}$
THE FARMER's






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 every case.
be Given."
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 THE WILLIAM WELD COMPANY (Limited)

London, Canada.

## Acposs the Plains of North Middlesex.

That the Province of Ontario possesses a plains
ountry essentially similar in some respects to the ountry essentially similar in some respects to that to most readers, but a trip north from London on the Huron \& Bruce branch of the Grand Trunk, or west from Stratford along the Port Huron line.
will bring the fact home with depressing clearness. There are many wide, level stretches of country in he Banner Province, but they are in most cases still dotted plentifully with small groves of wood-
land, and parcelled into homesteads averaging in the neighborhood of a hundred acres or thereabouts. So, also, was the region of which we orite, but a change of conditions set in some verted into cattle ranches. Cleared of nearly all its woodiand, the landscape presents long vistas
of level land, reaching away, with unobstructed of level land, reaching away, with unobstructed view, mile upon mile from the railway. Except
where the process of depopulation has progressed farthest, fine, comfortable, two-story, white-brick houses, with ample berns, dot the face of the land,
hough these are by no means so numerous nor so universally occupied as in the prosperous southsway. Tarm after farm has been sold by its well-
to-do owners, who have retired to the villages and towns, or in some cases have moved away to the
West. The land is by no means forsaken, however, but is bought up by those who remain, and
thrown together into holdings of three, four, six
and up to fifteen hundred acres. What proportion and up to fifteen hundred acres. What proportion
of this can be tilled by the owner, with the help cases, of a hired man, is cropped, while steers graze
con hn outside boundary fence. With this system of but the labor is at a minimum, and the owners seem content with these moderate returns. The
land is ty no menss koink at sacrifice valum tuthe bringing aroutad eifitity and ninety dollats

 Wiat has brought anbout this statec of urairs

less-favored sections are still quite thickly set
tied end carecully tilled This question we pro
pounded to the well-known stock-breeder. A. W. Sinith, ex-M. P, with whom we enioyed a pleas ant drive, in company with the new District Representative of the Department of Agriculture,
Mr. Whale Mr. Whale, and whose delightful home at Maple
Lodge we were presently to visit. Lack of labo wadge we were presently to visit. But why did it Whect. this section so particularly? "Well," he replied, "the people here were fairly well-to-do,
and when help became so scarce, and they found and when help became so scarce, and they found
that, to work their farms as they had been acthat, to work their farms as they had been ac-
customed, it would be necessary almost to make customed, it would be necessary almost to make
slaves of themselves, they preferred to sell out and quit. Some went West, but many retired to village or town life. You see, they had sufficient
means to do this, if they chose." Taking North means to do this, if they chose." Taking North
Middlesex, conditions have reached their worst pass in the Township of East Williams, where
long lines of forsaken buildings may be seen falllong lines of forsaken buildings may be seen fall-
ing irto ruin, with only a resident here and there There are many cases, however, in McGillivray and Bidduiph where three or four farms have been

It seems a shame to see the process, for not but it was settled by a fine stock of people. The township of McGillivray and part of Biddulph, was largely settled by migrants from Markham and Scarboro, in York County, lured west by the
age-long quest for land. East Williams was age iong quest ior land. while London Township was occupied by immigrants from "the Border." It must not be inferred that North Middlesex is peculiar in this condition; considerable areas of
Huron, Bruce and parts of Lambton are the same One wonders where it will end. At present, the tendency towards concentration of areas seems unabated. That more might be made out of the
land is indisputable, but the great cry is for help. Not only is it scarce, but, worse still, so uncertain. You've got it, and you haven't got it
farmer lays his plañs to crop a certain farmer lays his plañs to crop a certain acreage,
and gets the seed sown, perhaps; then maybe his and gets the seed sown, perhaps; then maybe his
man leaves, he doesn't know where to look for another, and has to do two men's work himself. Next, year he is likely to attempt only what he
can do easily with his own hands. Mr. Smith can do easily with his own hands. Mr. Smith,
for instance, had only two men, instead of the three he would like to have, and, partly as a precaution against contingencies, makes it a point to seed down every acre of grain crop each year, so
that he may be in a position to quit whenever octhat he may be in a position to quit whenever oc-
casion demands. Of course, this plan has the additional merit of being good for the land. Mr. Smith's rotation, by the way, is a seven-year one
of peas, wheat, hoed crop, barley, wheat seeded down and left two years in meadow. In addition
to the rotated area is some permanent pasture. Conspicuous for productiveness, as well as
cleanness, even in the fertile township of McGillivray, is the 230 -acre farm of Maple Lodge, where among the Shorthorns and Leicesters for the future edification of our readers. So also of the hroad, clean, well-ordered acres owned by John
T. Gibson, of Denfield, whose seventy-one do not prevent him doing a hustling day's work in the field, and whose uniformly typey and thrifty Shorthorns and lincolns would delight the eye of any live-stock artist. Mr. Gibson and his son
were turning by hand a very good first crop were turning by hand a very good first crop of al-
falfa, while across the fence a conspicuous patch of tall, hroad-leaved, dark-green oats, standing out in a large field of good grain, marked the
place where an alfalfa meadow had been plowed up Those twe forns with their thrift sit pastures and laxuriant crops, stood out the features of a day's trip, and would convince the most
skeptical of the uitimate economy of a system of
$\qquad$

## HORSES.

Toponto's Open Air Horse Show. ereat humatis of lowers of the horse than the annually, on Dominion lay? What could achis show? It is larmely a work-horse pexhen
$\qquad$
$\qquad$
$\qquad$
 Rna-4.in $+2 .+3$
of numbers and quality. There were 615 en and the grand parade after the prizes
awarded was some three miles in length. of it, three miles of horses, mostly work horses in the finest of mounted harness, and hitcherl the cleanest and best-kept wagons, carts and 1 ies. Is it not worth while to hold such a sh
The prize-list included fifty classes, and by the greatest turn-out was in the heavy-hosre sel tions. In one class for delivery horse and out fit
there were thirty-six entries, and it was found hecessary to divide the class into three divisions, heavy, medium and light. One of the finest displays made by the heavy-drafters was the twentyight entries of the Dominion Transport Co. It of the auto-truck, the heavy horse is growing in popularity, and his numbers are increasing at shows like this. Such conditions do not point
nstas age
The horses assemnled at eight o clock in the morning, and at ang was completed, the parade, headed by a troop of the 9th Mississauga Horse, mounted on
forty fine gray chargers belonging to the Robt. forty fine gray chargers belonging to the Robt music, began its course through the thronged city This was the tenth of these parades and exhibitions held in Queen's Park. are paid by popu lar subscription. There is always plenty of mones to promote the horse and his welfare. Let the good work continue to grow. Every city could well afford to honor their equine beauties
thus and, for an object lesson, let some of the reople of the country and other cities make it a rooint to attend Toronto's next open-air horse

## Breeding a Heavey Mare.

> aper the ques tion asked, "Should a heavey mare be bred ?" As I have had some experience, I think I will goro readers the benefit of it. Some years did article on " Choosing the Brood Mare"" would have liked to have followed the advice giv en, but I was loo poor, so I bought a mare with the heaves. She was a short-legged, well-built beast, with a kind, quiet disposition, and too slow for funeral purposes.
? sessed with a fund of scientific knowledge on horses ; knew it all, in fact, or thought they did They had not, it is true, studied in a veterinary had read out of the almanac They said the mare could not be got in foal. it was impossible are con was impossible was sure to abort; if she did not abort, the foal was sure to be dead, and if it was not dead, it was sire to have the heaves, too. She had been huge merriment over my foolish attempt to breed I was taking "' The Farmer's Advocate," and
according to this valuable paper, these wise result were all wrong. 1 tira, anyway, and the beauty, perfectly sound in wind and limb, and in every other way. She is now six years old, and was again successful. Got mare again, and He is perfectly sound, too. I know of an-
other beautiful (1lydesdale mare, a ten-vear-old still sound, whose mother had the heaves very
hadly. Now, 1 do not advise a man to breed a heavey mare if he can get a better one. Breed the best
thare you can get hold of. But if a man is poor, and has mothing else, and the mare is sound late in the season, or or her way, I say breed her
over, so the season is grass before she foals. This will help her a lot.
Tead all the excollent articles on the subiect published in "The Farmer's Advocate. Follow the Is good.
$\qquad$ marked tendency towards heing a hereditary unoffsprine of a mare which has a well developed Hisens. Heaves dow in their later life the same (I) A.lye. allicted with th- Wisall some and, as breeding

as in this case, special circumstances warrant giv-
ing them a trial. Heaves do not, as is believed by many, cause a inare to become barren, al in getting a mare with the heaves to conceive
than was the case before she contracted the trouble. The advice given hy Mr. Smit.h,
" Breed the best mare you can get hold of," is what al
Editor.

## Keep the Colts Growing

$\qquad$ the most susceptible of the young of domesticated animals to disease, as a once rightly started growing, a healthy foal under good management makes about as rapid strides as any of these in gaining strength and weight. No colt will make ing the earlier days and weeks, the matter of supplying this is usually left entirely to the dam, and if she is well fed and is a fairly heavy milker, the
olt should need nothing further. No mare should be put to work for a couple of weeks aiter foal
ing, as in her naturally weakened condition she is not piysically fit to withstand the demands made upon her system by the energy required to perform the work and that requred in the produc the best start in life, the less the mare is worked the better, even during the entire summer. The colt requires nourishmen, the team, this is where possible and deprives him of one of the essen tial conditions which nature intended him to have. The young colt with his dam, either in the stall or pasture, should be taught to eat a ittle grain as early as possible. Oats are the
palatable concentrate for horses, and, mixed with a little bran, make a tasty and good-feeding ration for the sucking colt. A box so placed tha the mare cannot get at it is very convenient or
this purpose, and the youngster soon learns to feed regularly from it. Whether or not, the mare not working should receive grain when the colt is nursing depends largely upon her condition and upon the pasture she is on. When the grass becomes short and parched, a few oats und a littie bran would go a long distance towards kecpily and maintaining the milk fow or the colt. must be made in her ration, for the fact that, besides doing her share of the horse labor, she is called in larger quantity than is fed to her working matf.
It sometimes happens that the mare is a poo milker. In such cases, as the colt gets a litte mulk to keep him going ahead and making the best
growth. In feeding cow's milk whole, it must be remembered that it is richer in fat than a mare's milk, and it is better to add a little water and some sugar. What is most required by the col is an abundance of food rich in protein, the best state he is equired for draft purposes, for fast work, for riding or fancy driving, his usefulaess depends to a great extent upon his size and muscle development, both of which depend directy life. It is
his feed and care during his early lates Frowth und muscle that is wanted, not (cow's often regarded as being of more real it it fed sweet,
feeding than whole milk. It must be fint whether whole or skimmed, as sour or tarangement. of a more or less serious character in the cot. Young and tender, susceptible to every
change in conditions surrounding him, the colt the future horse has his destinies, as far as use fulness and conformation go, nargely setted during the first few months. "It requires no ", in colt-feed (i) skill to hit the " happy mentrum much fat on ns, not overfeeding or putting too muche time him in early life, and at making maximum noing. enough to keep overfat seldom makes a
$\qquad$
Utility the Key Note.
utility is of liftle or no which is not based upon pedigree may contain some very high-sounding thames, untess the individual animals which mutton or pork producers, they are really meaningless and valueless. The family of animals
which shows by actual records of usefulness in which shows by actual records of usefulness in
some capacity that it has some superior merit, is of more value to the owner than all the "' blue"
blood of animal history, provided such ".


Rickford Lady and Foal
hire mare. Reserve champion at Royal Counties Show, 1912
blood has never been a real factor in actual productive value. Fashion has held sway in all crazes have come and gone. Shapes and angles of unimportant members have changed with
breeders' fancies, but all this is passed or pass ing. This is the day of the breed and the animal hich can do things for the owner. It matters pail with rich milk. It makes no difference whether the steer is black, white, red or roan, as


A Southdown Prizewinne
wo - shear ram from the flock of F. H. Jennings,

- what cors are
how long or what color the sheep's ears are, as Heece which the buyers like. Who cares whether he pig's nose is long or short, whether it turns white or spotted, as long as he produces desirthle pork at a profit? An animal must be more han those which meet the whins and fancies of a few wealthy breeders, to be of real value to the
b,eed to which it belongs ad to the man who arms the mate his living from the perpetuating of
like the present afford plenty of object
inpress the economy of leaving a good

The Stocker to Buy. The cattle feeder who operates on any consider-
ble scale is not able to produce his own stockers rom year to year, and is forced to rely upon the ight class of cattle for fattening purposes are hone too plentiful in Canada; in fact, they are scarce, far too scarce, and, in order to get a stable full of choice sters, it is often necessary to cattle of an inferior type. This being the case, $t$ will pay all those who have the pasture and contemplate feeding steers next winter to locate and purchase their necessary cattle early in the
season. The longer it is put off, the greater will season. The longer it is put off, the greater will ices paid for cattle the past spring and
the demand for firstclass finished steers
at the present time, at the present time,
it is more than likely that there will
be an increased demand for stockers, as high prices for the finished product
invariably exert an invariably exert an
appreciable influence upon the raw ma-
terial, giving the rend. in steer-feeding, but $\begin{array}{cc}\text { there are } & \begin{array}{c}\text { several } \\ \text { conditions } \\ \text { govern- }\end{array}\end{array}$ ing the game. Steers must $\underset{\text { be }}{\text { b }}$ bought right; that
is, a price must be paid which will leave sufficient mar-
gin of profit when the finished animal is disposed of. This edge of conditions market whinges. The good judge of what The mongrel-bred animal, with the narrow and wedge-shaped conformation throughout, is never a profitable feeder, and is not a satisfactory proposition from the viewpoint of the raiser of tockers, the feeder, the drover, the butcher or
the consumer. He is a misfit. The steer which has seen too many summers is seldom as profitable a feeder as the younger animal. Very often he has been stunted in early life, and has been
kept an extra year 'to make up for the loss. Such kept an extra year to make up for the loss. Such
a steer does not make as large and cheap gains as a younger animal whose growth has never been in any way impaired. As a rule, a two-year-old
steer which has made good growth is the most steer which has made good growth is the most
profitable stocker. The fact that he has not yet profitable stocker. The fact that he has not yet
finished growing makes it easier to make large fains, although a little more difficulty may be experienced in getting the highest degree of finish on him. One year with another, and taking in-
to consideration all conditions, the steer which is to consideration all conditions, the steer which is
put in as a stocker when a little 8ver two years
of age, and marketed as beef the spring or sumof age, and marketed as beef the spring or sum-
mer that he is three years old, makes as good mer that he is three years old, makes as any arse, a poorly-grown a profit as any, of course, a poorly-grown,
undersized animal should not be bought, as the profit depends considerably upon the size of the steer when purchased, as the spread in price
operates on the original weight, so the greater this weight, the greater the profit from the
spread. For instance, if a steer weighed soo pounds, and was bought at 5 cents per pound,
and sold at 7 cents per pound, a spread of cents per pound, the profit arising from the spread on the original weight would be \$16; hereas, if the steer had weighed 1,200 pounds in difference of $\$ 8$. The gain in weight must also ereckoned with, and, provided the steers are the same age, and just in good thriving condition, the the lighter is likely to make better gains than being a better doer. The young steer with plenty weight is the steer to buy. quality, and indications of further feeding pro pmonthness must accompany size. The stee should have as strong muzzle and short, broad head, with a great spring of rib and good barrel, indicating a hearty, strong constitationed, good-
feeding animal. He must be one which, with him to fill the eye well. and to be strong at thos points from which the butcher gets his high-priced cuts. Size, smoothness and strong cons.
are the strong points in the feeding steer.

## A Few Sheep Enough for a Beginning.

No doubt the extra efforts now being put
forth by the Dominion Government and the Sheep-breeders' Association to promote and the breeding in Canada, will have the desired effect of starting many new flocks in this country. The
problem of breed matters little to the beginner, as long as he gets one for which he has an especial which, as we have many hardy breeds, grades of the beginner's flock. It is generally advisable for begin with a few good grades, rather than ex periment with the higher-priced pure-breds. Good crease the risk the initial cost greater and inways undesirable, and neor pedigreed stock is alorices more than those which obtain for mutton no, inferior or scrub individuals are allowed to enter. Choose ewes from one to three years of age. Never buy old ewes for flock foundation even when purchased young, they grow animal, an enough. number purchased depends largely upo the size of the farm and the knowledge of the business. head, say ten has had no experience, just a acre farm, are plenty for the beginning. It is good plan to use, year after year, pure-bred rams grades. Avoid vion that of which the ewes are to become familiar with any work is to way So it is with sheep-raising. Practical experience with the \#lock will, as years go by, increase the fully operate sheep-breeding required to successedge increases, the size of the flock may knowlcreased, without danger of the business outgrowing the ability of its management. As time prorant the change, a few pure-breds may be bought to replace the grades, and gradually the bought fock be superseded by the better-bred animals. enterprise, to start commercial business has gone a scale. Many a was too far in advance of the ability of the operator. Sheep-raising is not nearly so dangerventures, but it is wise some other agricultural to be hoped that every stock and grain. It is Canada will soon be able to boast of a few sheep Think what it would mean to the country. Try the sheep. Begin now. They are profitable and your bank account, and also in the destruction of the worst weeds.

Points in Steer Breeding
breeding for beef will not he farm journal, say priced lands of Illinois; instead, they finish the popular belief. It has been shown that full feed will the first year make half his colt on weight, the third year half the weight of th second year. This being true, the thin steer is a mistake. A grade Shorthorn two weeks old
weighed 107 pounds. He had for a nurse an old
cow, with a few left cow, with a few left which we had ased two years as a nurse without freshening. This we sup-
plemented with milk from separator. He was eating hay and silage, mixed with corn chop
oats and bran. He just doubled his forst and made 214 pounds. We get them on skim milk at about two to three months. We feed milk till they go to the block. A steer one year old
weighed 1,035 pounds. With best feeding we could not have beaten fifteen hundred feeding, we year. Just like the colt, half the gain of the
first year.
T. B. SCOTT first year.
Middlesex Co., Ont.

## THE FARM.

Weeds Which Contaminate Clover Seed
be especially watched are rasweed, ribernce ts to der campion, trefoil and sweet clover. Usually,
it is only the peremnial weeds which contaminate it is only the peremial weeds which contaminate are taken care of with a seythe. places of field
 hand-pulled. Docks sho
they appear after the hay, and any other peremni
in a similar wav. Ribor are altogether ton common
are also those of racweed are also those of ragwee most easily removed from
or spudding after a rain.

## To Control Grasshoppers.

 What will drive away or kill grasshoppers? year, and a large meadow field adjoining ours has ing but a grasshopper hatchery. have a big root crop adjoining, and they are clean ing out the young mangels and turnips, and am afraid they are going to destroy all my rootcrops.
$\mathrm{M} . \mathrm{S} . \mathrm{W}$. The order of insects known as orthoptera con roaches, crickets, grasshoppers, etc., all of which have biting mouth-parts, and many of which, when present in large numbers, do great damage to
growing crops. Two families, acrididæ, the growing crops. Two families, acrididæ, the
short-horned grasshoppers, and locustidæ, the long-horned grasshoppers, are particularly well known, the former being the family to which the term locust is rightly given. Every Biblical stu-
dent is familiar with the plagues of the locusts in ancient times, and ravages have been made at in tervals in various sections of the world up to the present time. While we are not often in danger
of losing the crop of very large areas in this counof losing the crop of very large areas in this coun-
try, cases like the one in question are not by means infrequent, especially in districts where light land and old meadows abound, and some means of control is absolutely necessary in such cases. The red-legged locust is one of the most
common and most destructive of the acridid $x$, and the meadow grasshopper (having antennæe or horns longer than the body) are the most common of the locustidæ
A dry season, such as that which we experi-
enced last year, is very favorable toward then multiplication of the various species, and a second dry season usually brings much loss from these the ground in masses containing the females
not care to be bothered with too many waghts,
a convenient means of measuring the ingredients convenient means of measuring the ingrechents
is one given by Mr . Criddle, the originator mixture: Five ordinary pails equal approximatel 100 parts of horse droppings, and each part equals droppings method of measuring is more the same, the bulk weighing. Place the mixture in a barrel than arrel, and scatter it along the edge of the hal The locusts will come to it in large numbers and ered loosely in the prop at the the mixture. Scat there is little danger of animals or poultry heing poisoned. This is a cheap and effective remedy most effective when the mixture is spread a little a time every other day, rather than scattering

Bleached Oats and Barley
The United States Department of Agriculture绪 the Food and Drugs th the of sulphur. It appears that by this proce grains which are damaged or of inferior quality may be made to resemble those of higher grade or quality, and their weight increased by addition ated within the meaning of the Food and DrugAct of June 30th, 1906, and cannot be either manufactured or sold in the District of Columbia or in the Territories, or transported or sold in interstate commer
It is represented, however, that grains which which is in no wise injured in other respects, sometimes bleached with sulphur fumes. Pending the report of the
Referee Board


Proud Warrior
and in most cases arty of His Majesty The K round in the egg stage, the eggs being covered grasshoppers emerge in the spring and their only means of locomotion is by wingless, After a number of moults, wings make their ap fly, many species being the young commence to

Remedies, while quite numerous, are not Wide in their range. Turkeys have been found pests, ridding the pasturestable destroyer of the ing their bodies into protitable and convert meat. Four methods of destruction recommended
by Dr. Fletcher are: (1) The plowing down eggs in the autumn or early in the spring before in land under crop, this destroys many of them (2) the young may be destroyed by plowing down. by poisoning, or we horning in windrows of resort in great numbers at methit: (3) which they ered with canvas or shonts of a light frame cov-
 The us fages of their growth. A hopper dozer consists vas at the back to prevent a screen or sail of can terms "" purified," "/ purified on invoices. Th designassed," etc., are "purified with sulphur," bleached an is also called to the fact that grains mieached with sulphur fumes may have their ger-

Hopper Dozens for Grasshoppers. writing on the control of grasshoppers and lo covered by very thoroughly the ground already for the preparation and use of hopper dozers is o, and has been found effective inequely resorted in the destruction of grasshoppers in the varions and in most cases iron pan mounted on runners inr back over the pan. In the prasshoppers leap and over the top of it a layer of kerosene or hack. 1 is ponred, as also on the screen at the follows A usefur hopmer dorer may be mate as (1) 20 inches witw from front to back
 Yha 5" maril of
$\qquad$

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onds of the pan a vertical sheet
cloth, about the addition of two short
wo which a whiffetree is attacherd, coropletes enc hopper dozer. It is preferable to have the haul ing attachment attached at each end and use two horses, than to use a single horse attached to th.
middle of the hopper dozer, as more grassinoppers will be caught. In the case of rough ground it may he preferable to have a shorter pan of eight
or ten feet in length, or, what is better, to have the 16 -foot hopper dozer divided in the middle making two eight-foot pans, which should be use, water is placed in the pan, and the canvas back is also wetted. Kerosene or crude oil is then poured on lop drenched with it. The pan, and dozer is now dragged over the infested field, and the grasshoppers jumping up in front of it are caught in the pans or against the canvas back, and killed by contact with the kerosene.
A simple though less effective hopper dozer may
made out of sheet iron. A piece eight feet long is turned up one or two inches at the front, and, allowing a width of a foot, is turned up
mabout eighteen inches at the back; $t$ two ends are
provided, and one or two partitions made to prevent the water and oil slopping out. One or
several attached end to end may be pulled along by boys by means of cords attached to the ends of the hopper dozers
Information will be given concerning insect
ests and their control, if inquiries are addressed pests and their control, if inquiries are addressed
to the Dominion Entomologist, Central Experimental Farm, Ottawa. Such inquiries should, in all cases, if possible, be accompanied by specimens of the insects and their injuries, and all letters and packages under five poun mailed free, if so addressed. mailed free, if so addressed
most effective and most widely-used remedy for grasshoppers.

## THE DAIRY.

## Printed Butter Papers.

The pound print is the form in which most retailers like to get their butter for the trade. It farm dairy to put up. It is easily handled on the market, is what the dealer wants, and it pays Print hutter always has the thest demands. vided it is printed has the best appearane, proparchment papers. It is in a good condition to be used on the table, but its attractiveness is made or marred by the kind of wrapper used. First, that of the maker, should be neatly printed on every wrapper. Some design, appropriate to accompany the dairy name, such as one of the best cows, or a "brand" mark, adds to the attractive-
ness. There is no better way of pleasing customers than by putting up good goods in attrac-
 ish the trade is to keep the name on the wrapper before the consumers.

## Keep Cool.

No branch of agriculture requires the operator to " keep cool " more than dairy farming. No tend the cows. The attendants, to get the largest possible flow, must "keep cool "-that is, must never lose their heads, use loud talk, or be rough. The milk must be kept at a low tem perature to be wholesome. Cream must be keगt cool. To do this, ice or very cold water is nec.ss-
sary. Butter or cheese-in fact, all dairy prod-ucts-must be kept away from the heat. " Keep cool" is always seasonable in dairy work. From
the stable to the consumer, everything in connethe stable to the consumer, everything in connes-
tion with the dairy business gives best results
when it is kept scrupulously clean and at a low temperature.

It has been said that no business but farming
would stand the enormous loss which results on would stand the enoromous loss winch results oun

HARMER'S ADVOCATE

Performance the Only Tpue Test. drime was when the only method of choosing a ards were kept, and the buyer had no means, of knowing whether or not the cow in milking pro-
clivities lived up to her appearance or not. the seller had only a vague idea of what the cow Was Worth, and, while he may have had some in-
dications as to her value from a rough guess the amount of milk given, he never weighed it,
neither was it neither was it ever tested, so the buyer and the
seller were influenced formance. Cradually the best dairy farmers began to see that they could not always rely upon
form alone, and milk-weighing was form alone, and milk-weighing was commenced.
Weighing was all right as far as it Weighing was all right as far as it went, but was
found to be wanting, so testing was commenced. Neither weighing nor testing alone is sufficient proof of the value of the cow. Even one of these, combined with the best dairy form, is not
enough, but approved dairy form, with heoyy milking qualities and a high test, these three combined in one individual make a safe and sure basis upon which to buy or sell. A cow may, as far as size and shape are concerned, give every
indication of being able to fill the pail with rich indication of being able to fill the pail with rich
milk, and still she may be nothing but a "boarder." True, good dairy form has its value in selecting cows, for such cows are far more likely to be profitable than those which do not possess it,
but the point is that the best of form, and that but the point is that the best of form, and that
alone, is not enough to warrant that the cow is a profitable dairy animal. Performance is the


Chief Lady.

## Now is the time for Solling.

July brings hot weather, and hot weath July brings hot weather, and falls at short intervals. This is not often the
case, and from this time on to the end of the summer from this time on to the end of the sary to maintain the milk flow. The greater number of milk cows never receive any feed other than that which they are able to pick in the pasture, so production during the hot months falls off considerably, and prices hold up well. What
a glorious opportunity for the dairyman to make a glorious opportunity for the dairyman to make
handsome returns by a little extra feed. A feed of clover twice per day means much to the cow on short pasture, and, where properly managed,
this gives little trouble. The first cutting should this gives little trouble. The first cutting should
have been made some time' ago, and if done, the second will soon be ready. A plot of alfalfa or red clover near the barn is a great boost for summer milk. After the second cutting of clover, why not cut a few green oats, or, better still,
oats and pas? A small plot will go a long oats and peas a A small
distance. When this is done, corn should soon be ready for use as a soilage crop, and, if on hand, a few pumpkins will be found useful. It is this
special feeding that makes dairving a success special feeding that makes dairying a success
The cow must have an abundance of roughage and this is supplied to best advantace, where
summer silage is not on hand, hy soiling crops. summer silage is not on hand, hy soiling crops.
Silace fills the bill nicely, hut, after a winter of
ferd cholaco
so that, to fill the cow, it is necessary to supply something a little more palatable, a little more nutritious. Pasturing alfalfa, clover or oats involves too much waste, and is consequently rather extravagant. Cutting and feeding, while entailing a little more labor, saves the feed, and a
smaller area is required to reap the same results. smaller area is required orears to be the most logical and efficient method to keep up the milk flow this summer. If possible, try it and bo convinced.

## POULTRY.

## Utility Poultry.

Editor "The Farmer's Advooate ": ing the importance of the poultry industry, and figures are quoted to show the value of eggs and poultry, as compared with other products of the farm. In poultry papers, too, wonderiul accounts poultry business. This leads one to ask the question as to whether farmers are giving this part of their business the attention it deserves, and finding out for themselves just what there is in it leave to one side, as that is practically a business by itself. What we have to consider is the profit to be made out of selling eggs and fattened poultry. We are told on all hands that the farmer fails to make poul-
try pay because he keeps such a mongrel lot, and it is
no doubt true that mongrel poultry, like scrub cattle, co not do as well as
pure-bred stock. oun the other hand, there are so many varieties of poultry, with the breeder of each variety claim-
ing his breed as the best, that choosing a variety is not altogether easy, and tion whether ${ }^{2}$ quesfarmer should not do some experimenting on his own ac-
count, and not depount, so much on not pend so $m$. I know what is credit of the fan-
cier for the perfect-
ing and even origiing and even origivarieties; but, on the
other hand; fancy is other hand, fancy is
being carried to such being carried to such
an extent that it becomes a question whether some of the more important qualities are not sacrificed to appearance. I keep a flock of White Wyandottes, and when I see how
much fluff is called for, and know that some breeders have used the White Cochin to obtain it, cannot but fear that egg-producing quality is giv(which is just in-breeding) advocated and line-breeding ticed so much, I think it helps to account for the difficulty in getting fertile eggs from good breedNow, what we farmers want is not so many fancy points, but hens that will lay well, eggs that
will hatch well, and chicks that will mature quickly into good fat roasters. And so I say it is worth while to do some experimenting ourselves. I am not sure but a cross between two pure breeds would suit us best. I know fanciers if it is, so are the Barred Rock, the Wyandotte and several other breeds, and so is the Anglothe nations pretty well. Several years ago I crossed the Barred Rock hen with Brown Leghorn cock, with good results, and I have heard of other quickly and that have done well. They mature others through "The Farmer's Advocate" "who have tried anything of this kind, so that we may isefit from each other's experience, or, if there
is any variety that answers our purpose better han any other, let us find it out.
Tincoln Co., Ont. PETER BERTRAM.
the total being 1,794. An American pen of inve as well, the peach trees being used as fillers, fol
White Leghorns are still in the lead with 722 lowing the same system as Mr. Rawlings.
White Leghorns are still in the lead with 7 eggs, the Enghish pen of four layers being secoad with 702 eggs. The grand total of eggs laid for

## Move the Chickens

From now on, during this season, the colony
house should be a strong feature of the poultry house should be a strong feature of the poultry
plant. Move the birds to the field fallow, the orchard, and in the fall to summer field. There is no better method of keeping birds healchy and of promoting vigor and rapid for the flock in summer. Here the best place which is essential on the hottest days. Free ranga gives the birds an opportunity to forage a large part of their feed. Green food is supplied in plenty, and the various forms of insect life pro
vide an abundance of meat diet. Grit is ful, and, if a hopper of dry mash and whole grain and plenty of pure water is kept at the colony house, the birds should make the best possible re

## GARDEN ORCHARD.

## The Lambton County Fruit Belt.

 many is the case in places along the shore of diately along the south-east shore of Lake Huron is for some little distance inland level and very fertile. It does not gradually rise to higher land, but back some eighty or one hundred rods, some places more, others less, and extending for a considerable distance along the shore, the land rises abrupth considerable height. In these flats elow the hill, and even on top of the hill, exideal for the growing of all kinds found an area only needs to stand of all kinds of frut. One over the thousands of apple of tum and and look with their immense sea of foliage piding thees; season's load of rapidly-growing fruit, their east of the thin line of forest monerheng separates them from the water's edre and breas the winds which cross the lake, to that here is indeed a goodly heritage. Nearly all the soil, high land and flats, in this district is well suited to horticultural work, and well may Lambton be proud of its accomplishments in fruitFomFrom widespread reports circulated earlier in the season, many were led to believe that tend
fruits like the peach could grown in this district, owing to the severity the winter. Last winter was an extremely cold one, and some peach trees succumbed, but all those trees constitutionally strong and vigorous
and properly ripened up are looking healthy and strong, aithough the peach crop is not going to Walter Rawlings season
Walter Rawlings is one of the extensive fruit-
growers, who operates about growers, who operates about twenty acres of or about double this acreage in the near future. In his orchard, apple trees are planted forty feet apart each way, and peaches, plums and cherries, row of peach trees, twenty feet fillers. A solid tween each two rows of apple trees in the row making three of the smaller fruit trees to one of the apple trees. This orchard is thoroughly
sprayed three times each year, and clean cultiva sprayed three times each year, and clean cultiva-
tion is adopted. Winter injury was comparatively light, and many of the peach trees show a good crop, while most of the plum trees are
loaded, and a fair crop is borne by the cherries loaded, and a fair crop is borne by the cherries.
Where a tree has been injured or killed by the hard winter, it has been one that was weakened down by an unusually heavy crop or by being split in the trunk, or by the water standing
around it. The apple trees in the orchard around it. The apple trees in the orchard are
ten years old, and they have made preat arowth many of them showing a great crop of fruit. Baldwins, Greenings and Golden Russets form a large part of the apple plantation. The peaches,
plums and cherries serve to keep the land vielding a. profitable crop, while the apple trees are ing to such a stage of maturity to warrant the removal of all fillers. Where the tender fruits succeed, the filler system is a very profitable
method to follow. Just a fittle to the south of the Rawlings or.
chard, and situated much the same
Jos soil and climatic conditions, are the wo
orcherds of $D$. Johnson, one of Canada's noted friit-growers. These orchards comprise forty years of age, twelve acres of five-yenr-ate The peach orchards are, of course, apple orchards

The apple orchard is carrying a same seavs
The aster

## Advantages of Thinning

 is the case with most of the apple trees in Lamb-ton's fruit district. Considerable winter inury ton's fruit district. Considerable winter injury is to be seen in the lower limbs of many of the
apple trees, attributable, Mr. Johnson believes apple trees, attributable, Mr. Johnson believes
to the fact that, owing to continued clean cultivation year after year for some time, the trees have made too rapid growth, and were tender, not having borne fruit in proportion to the in-
crease of growth. To overcome this difficulty he intends to seed the orchard down to timothy and leave it in sod two years, when the crop will be cut down on it, the land broken and reseeded. Too much wood growth tends to produce a tender
tree, not as productive as one which grow so fast. Mr. Johnson is a strong advocate of a cover crop for the peach orchard. He cited a case of a six-acre orchard of one of his neighseason, which had made a phenomenal growth last acres of this was sown to a cover crop, and this two acres is now covered with a fine bunch of trees, while the four acres which had no cover crop was "hard hit" by the winter. There is
nothing like clean cultivation to grow trees, but cover crops are essential to harden them off in preparation for winter. The heavy crop of
peaches picked last. year helped to ripen up the peaches picked last year helped to ripen up the
wood of the bearing trees, and most of the wod of the bearing trees, and most of the
orchards look well, winter injury being not more than five per cent.. If trees would stand last winter, they will stand any winter, and the peach Lambton,
4. Thinning improves the quality. This is
Methods of spraying in the Johnson orchard moistlly the case where the soil is deficient in

five-year-old peach tree which in its four-year-old form produced 14 11-quart
baskets of first-class peaches. This is a representative tree in the orchard
5. The fruit is
freer of diseases and insect pests, be
cause wormy apples cause wormy aples
limb-bruised or dis eased fruit of any at thinning time On plums and peaches, in moist
regions, fruits thin ned so that no two touch when fully
grown, are much
freer of brown freer of brown rot.
6. The removal of inis-shapen fruit age of low-grade
fruit fruit. Thinning predropping. A familiar instance is that of the McIntosh Red, Which is especially
liable to drop where two fruits are left on one spur. Pre-
mature dropping is quite largely due to the inability of the ture to an excessive
reed not be discussed, as they are up-to-date in fruit is more evenly distributed, and this is a very, sood care. Besides the 35 acres of apples on his own 9. The cost of picking is reduced considerably
place, Mr. Johnson handled the same acreage or and the labor of picking is more of rented orchards. He operates his own over the season. This is an important evenly West to dispose of his crop. His pack is to the tage where the supply of labor is deficient at pick in barels, and is recognized as the best, strict so much lessened. of grading and packing are al every employee. system being kept on each and Speaking of yields and growth of trees, Mr .

$$
\begin{aligned}
& \text { 10. Less fertility is removed from the soil. A } \\
& \text { ton of apples takes out approximately } 1.2 \text { lbs. }
\end{aligned}
$$ gave 26 barrels of apples which sold for from three to three and one-half dollars per barrel. Heaches year picked fourteen 11 -quart baskets of

rear a four-year-old tree, and they for 90 cents per basket, f.o.b., Forest. Four year-old peach trees in his orchard measured twenty fect across the top. The soil, climate ard cultivation must be ideal for fruit. It is not an
uncommon occurrence for many of to yield 20 barrels to a tree. The apple orchard
is largely is largely composed of the common winter varieties, and the varieties of peaches thought well of Crosby, Crawford, and a few fmock, kalamazoc,
To permit of a ireer air cinculations. ton of apples takes out approximately 1.2 lbs. o
nitrogen, $1-6 \mathrm{lb}$. potash, and 0.6 lb of nitrogen and pears removes the same amount elements. The seeds take the much of the other amounts, the pulp of the fruit great bulk of these portion. As the number of seeds is roughly in their size, the the number of apples, and not to greater supply of plant food for the bave a much crop, for the growth of the trees, and ince of the 11. The tree is less liable to winter injury. of the theng of the heavy crop drains the vitality tand the winter Trean it poor shape to withor which there is Trees bearing moderate crops, fooll and and adequate suppleq of moisture, have sunt the frnitionity toth ripen the crop, and to ripen
commenced early, as soon as the crop can be
termined. It requires considerable labor, but
the procuction of fancy fruit it pays to thin

## Niagara Fpuit Notes.

The weather has continued to keep unusually
cool for the season of the year, and fruit-ripening cool for the season of the year, and fruit-ripening
has been unusually retarded-so much so that has been unusuan Williams strawberries did not many their first picking until June 24th. Owi
get this, to the small acreage of berries, and the insatiable demand of the jam factories, the
price has remained unusually high, and hou price has remained unusually high, and house
wives over the Province will have to do with fewer berries or dip deep into their expense allow ance. Cherries, currants and gooseberries are
now coming in, and the prices are holding firm on these. In fact, there seems to be no outlook having been heavily hit by the winter are no suffering from drouth, and there is little chance of the grower having to take less than $\$ 3.00$ per rate any time.
glut on the market at 80 cents often were . 9 ate at the market at 80 cents to $\$ 1.00$ per
ating point. This season they barely touched $\$ 2.00$ at lowest price, and in most parts prices paid. It seems thet were the regular will prevail for a few years, at least, for this year there has been no larger acreage planted
than last year, although what has been planted has taken much better than last year. The in-
crease in jam factories, with their crease in jam factories, with their annually in-
creasing demand, has certainly been boon to the fruit-growers of this district.

Insect pests and fungous diseases have not been
very serious so far. Pear blight saems to very serious so far. Pear blight seems to be
the most serious, and it is worse with us than it has removal of all blighted twigs as soond constant koeping it in check, and is undoubtedly the main method of controlling the disease. Plum rot showed up to a considerable extent earlier in the
season, but the late continued dry weather season, to have stopped its spread. Peach apcurl is very rarely seen, especially where any attempt at spraying was made, and
not showing to any extent as yet.

Pre-cooling of our fruits is a question that ap-
parently has been thrust to the background in the opinion of our growers. This is owing, I of our well-meaning but too enthusiastic growers a year or two ago, but more so to the apathy of
our fruit officials at Ottawa. Here is a question that was strongly put before them some time ago. they do not believe the scheme feasible, why It they not say so and explain why? If they do
believe it worthy of consideration, it is about fruit-growers would move together, they might soon get a fruit division to push their interests, and this latter is the important "if" of the lot. The mere fact of the Government placing a sum
of money on the estimates to bonus the building of the plant, without, an investigation of the ques-
tion, is wasteful and poor policy. There are pre liminary investigations to be made, such as esti mating the value of pre-cooling to the trade; the
number of cars annually that might be counted on to be pre cooled; the suitability of our cars help that could be expected from the transportation companies. All these are preliminary and
necessary questions for the investigation of which no great sum of money is needed, but which might
place clearly before us the probable value of prepooling, and permit the Government to know if
cone

Lime-Sulphur Does Not Injure Trees or Fruit.
Invest gations carried on by the Ma ine Experi-
ment Station, and recordided in Bulletin 198 of
 Suilphor and lead arsente esas not due as much
to the chemical action of the spray as to the lack of vigor in the trees. The superiority of lime-
 susceptible varieties, as Ben was, when conditions
demonstrated the past season, when
were most favorable for using Bordeaux. A large amount of Bordeaux injury occurred, whereas no Spray injury was done to leaves or fruit on the
lime-sulphur plots. Sunburn or sun-scald of the
fruit, as the result of the unusual heat wave of fruit, as the result of the unusual heat wave o
last July, is shown to have been entirely inde
pendent of spray injury, and very largely due to pendent of spray injury, and very largely No in
insufficient protection of fruit by foliage. No in
jury to fruit or foliage resulted from the use of
the carbonic-acid-gas sprayer in making applica
tions. The results did not indicate any definit
relation of relation of fruit russeting to the strength of the periment which pointed to the chemical composi-
tion of the lime-sulphur tion as a factor relating to russeting of fruit le price is 10 cents.

## THE FARM BULLETIN

## A Little Nonsense.

This morning I picked up one of the children' aooks-Hawthorne's Tanglewood Tales-and read Somehow, it seemed to fit in with things I have what I was doing Iately, and before I realized of the present day. It is wonderful how much of the world's wisdom and experience has found its way into the tales of children. You can find more them in the proper spirit-the spirit of childhood -and they are scandalously full of satire and fun We grown-ups have passed out of the house of
childhood arid have lost the key, but sometime we can take a peep through key, but sometime morning I had such a peep, and I haven't stopped chuckling yet. If I could only get you to see served them, we might have a profitable laugh to

- Provided that you weed your better judge

Of all opinion that, grows rank in them
Be childlike with me for a little while, and you shall see what you shall see. Here is the beginning of the tale
af great while ago, when the world was full Antaus,, and a million or more of curious little earth-born people who were called Pygmies. This same mother (that is to say, our good old Grand gether in a vory friendly and affectionate man

At this point it suddenly dawned on me that the old myth is a curious bit of symbolism, and I day. Let us assume that Antexus represents humanity at large, the common people-us. The pygmies are the ruling class, the aristocrats-che them. Now let us go on with the tale.
with On their parts, the Pygmies loved Antwus hold. He was always ready to do them any good offices that lay in his power; as, for example, when they wanted a breeze to turn their wind
mills, the Giant would set all the sails a-goin with the mere natural respiration of his lungs." He was the producer, doing the work of th world, just as the comon people are doing now them in another respect. enough to let them alone, and leave the Pygmies to manage their own affairs-which, after all, is
about the best thing that great people can do for ittle ones." had a great opinion of their own importance, and used to assume quite a patronizing air toward the 'riant. 'Poor creature!' they said to one another He has a very dull time of it, all by himself
and we ought not to grudge wasting a little our precious time to amuse him. He is not hal so bright as we are, to be sure, and, for tha happiness. Iet us be kind to the old fellow.
Why, if Mother Earth had not been very kind to ourselves, we might all have been Giants, too.', Pygmies went about the task of improving the condition of their Giant, but we know how they
do it to-day. They organize Boards of Trade to advise him, brighten him up with compulsory eduon their windmilis, and, to cap all, they scold him for not producing more and for being the cause of the high cost of living. But things did not ny" " more than they do to-day. times as troublesome to the Giant as a swarm of ants or mosquitoes, especially as they had a fondness for mischief, and liked to prick his skin with
their little swords and lances, to see how thick and tough it was. But Antreus took it all kind-
ly enougn, although, once in a while, when he
happened to be sleepy, he would grumble out a
peevish word of two, like the muttering of onsense." and general elections and similar amusing things. But though they may be irritating, they do no "The Pygmies had but one thing to troub hem in the world. They were constantly at war with the cranes, and had always been so, ever since the long-lived Giant could remember. From
time to time, very terrible battles had been ought, in which sometimes the little men won the ictory, and sometimes the cranes.
Now, what are the cranes of our day? The corporations and trust and big interests, of know how fond corporations are of watered stock. Besides, the corporations gobble up little people just the same as the cranes gobbled up the Pyg conditions is the symbolism of some of the myths But let us proceed
ing if Antæus observed that the battle was go stopped laughing, and ran with mile-long stride to their assistance, flourishing his club aloft and shouting at the cranes, who quacked and croaved, and retreated as fast as they could. Then the attributing the victory entirely to their own valor and to the warlike skill and strategy of whomso ever happened to be captain-general ; and for a
tedious while afterwards nothing would be heard of but grand processions, and public banquets, work, with likeninations, and shows of wa as small as life.
"In the above-described warfare, if a Pygmy chanced to pluck out a crane's tail-feather, it proved a very great feather in his cap. Once or made chief ruler of the nation for no other merit, in the world than bringing home such a feather. politicians celebrating a victory that was really won by the power and good sense of the common people ? They claim everything in sight, and the big sleepy giant simply gre leep again.
is a lot more to the story, all of which could be interpreted into terms of the present day sufferable Lowell points out, nothing is more in with the large, moist foot of a hippopotamus," There is something very like the "Back-to-the land movement" in the fact that " Whenever thi with his hand, his touched the ground, eithe body, he grew stronger than ever he had been be ore.: And is not the fate of the cities show here? "As soon as Antæus was fairly ofl the earth, he began to
Although the myth holds true to conditione day in so many respects, there has been a very real change. The Pygmies have been breeding the now bo well educated that he may claim the cred thimself for any victories there may be. But the Giant is still as strong and as sleepy as ever and the tame cranes are getting very troublesome Besides gobbling the Pygmies, they are using the rage, there is no knowing what wild things he might do. I wonder if it wouldn't be possible to waken him. by gentle tickling, so that he woul get up laughing and drive
There are many serious-minded people who will think that the only excuse for all this nonsense would be an edifying moral, but I refuse to draw one. Canadians are a nation of moralists, capa rom everything and I think I may trust them tag a satisfying lesson to this modernized myth.

Tankage as Feed for Hogs. ${ }^{791 \%}$ Tankage, meat meal, and other animal food feed ration valuable for supply tracted a good deal of attention from farmers be cause of the prevailing high price for other feed stuffs. or skim milk as proved a satisfactory substitut erally agreed among feeders that protein is the most important part of the feeding ration, as well as the most difficult to procure and the most expen monly called, is very rich in protein, varying from 10 to 60 per cent., according to the firm manu facturing it. It is made from the trimmings, in odible viscera, and other parts of the carcass, al cooked under pressure in the tanks and thoroughl uct comes out sterile. The grease is removed
high temperature, then ground, screened, and
piaced in 100-pound bags for shipment. Owing piaced in 100-pound bags for shipment. Owing no danger of fermentation taking place. It having been claimed that the increased It having been claimed that the increased use
of this material for hogs was the cause of the increase in the number of tuberculous hogs condemned at the abattoirs, inquiries were sent out
by the writers to State experiment stations whe tankage had been fed tò hogs experimentally see if any case of tuberculosis had developed as
result of such feeding. Experiments were result of such feeding. Experiments were also
carried on by this Bureau along the same line In no case could tuberculosis be shown to have arisen from the consumption of tankage, and it
must therefore be absolved from all blame in the must therefore be absolved from all blame in the
spread of this disease, and may be looked upon as a safe and valuar,le article of food for use in
raising and fattening swine.-IU. S. Dept. of Agraising and fattening swine.-IU, S. Dep
riculture Bulletin, Tuberculosis of Hogs.

## How the Forest Helps the Fapm

 Whether forests increase the amount of pre-cipitation within or near their pan under certain, athough there are indications that may have such on fiect areas nspired by the foliage is certain, in some de gree, to increase the relative humidity near the the water supplies in its neighborhood. Thi much we can assert; also, that, while extended
plains and fields, heated by the sun, giving rise to warm currents of air, have the ten dency to prevent condensation. of the passing moisture-bearing currents, forest areas, with thei tendency, and local showers may therefore come more frequent in their neighborhood. But though bo increase in the arnount of rainfall may whatever falls is increased for the locality by well-kent and properly-located forest growth The foliage, twigs and branches break the fall the rain drops, and so does the litter
forest floor, hence the soil under this not compacted as in the open field, but $r$ r loose and granular, so that the water can readil penetrate and percolate ; the water thus reaches the ground more slowly, dripping gradually from
the leaves, branches and trunks, and allowing more time for it to sink into the soil. This per colation is also made easier by the channels along the many roots. Similarly, on account of the of the snow under a forest cover in spring where it lies a fortnight to a month longer than in ex-
posed positions, and melts with less waste from evaporation, the snow waters more fully penetrate the ground. Again, more snow is caught wind-swept fields and prairies.
All these conditions
All that larger amounts of the wather, with the the forest soil, and to greater depth, than in the open fields. This moisture is conserved because of the reduced evaporation in the cool and still forest air, being protected from the two great
moisture-dissipating agents, sun and wind. these conditions aloue, the water supplies available in the soil are increased from 50 to 60 per cent. over those available on the open field. Ow-
ing to these two causes, then, increased percolation and decreased evaporation, larger amounts of moisture become available to feed the springs and subsoil waters, and these become.finally availhigher elevation than the field. The great importance of the subsoil water, especially, and the influence of forest areas upon it, has so far reis the subsoil water that is capable of supplying the needed moisture in times of drouth. Another means by which a conservator of moisture is its wind-breaking capacity, both velocity and temperature of winds
being modified, and evaporation from the fields to the leeward reduced
On the prairie, wind-swept every day and every
hour, the farmer has learned to plant a windhour, the farmer has learned to plant a wind-
break around his buildings and orchards, often only a single row of trees, and finds even that a
desirable shelter, tempering both the hot winds of summer and the cold blasts of winter. The fields he usuatl leaves unprotected, yet a wind-break
around his crops to the wind ward would bring
him increased vield, and still more effective. Not only is the temperature of the winds
modified hy passing over and through the shaded and conler spaces of protecting timber helts dis-

## succession would

On the sandy plains, where blow the sand, shifting it hither and thither a forest belt to the windward is the only means In the farm protected.
In the mountain and hill country the farms are apt to suffer from heavy rains washing away
the soil. Where the tops and slopes are bared of their forest cover, the litter of the forest floor burnt up, the soil trampled and compacted by cattle and by the patter of the rain drops, the water cannot penetrate the soil readily, but is
carried off superficially, especially when the soil is of clay and naturally compact. As a result, the waters, rushing over the' surface down the hill, run together in rivulets and streams, and
acquire such a force as to be able to move loose particles, and even stones; the ground becomes particles, and even stones; the ground becomes
furrowed with gullies and runs; the fertile soil is washed away; the fields below are covered with
silt ; the rads are damaged; the water-courses tear their banks, and later run dry because the waters that should feed them by subterrane
channels have been carried away in the flood.
The forest cover on the hill-tops and steep this crosive action of the waters the prevents nuence by which it increases available water supplies. The important elfects of a forest cover, and carrying them off under ground of water, them up gradually, thus extending the time of their usefulness and preventing their destructive In order to be thoroughly effective, the forest loor must not he robbed of its accumulation ioliage, surface mulch and litter, or its underbrush by fire, nor must it be compacted by the tramping of cattle.
cultivation, methods of underdraining, such as horizontal ditches, partly filled with stones and deep cultivation soll, terracing and contour plowing, crops must be employed to prevent damage from All the benefits derived from the favorable inbe had, without belts upon water conditions can that the forest produces be cut and to be utilized; it is a crop to be harvested. It is a crop which, if properly man-
aged, does not need to be replanted, it reproduces When once established, the axe, if properly sary to cultivate hands, is the only tool necesis no necessity of planting, unless the wood-lot The wood-lot, then, if properly managed, is savings bank, from which fair interest can be annually drawn, utilizing for the purpose the
poorest part of the farm. Nor does the lot require much attention; it is to the farm what the work-basket is to the good housewife-
a means with which to improve the ouds and ends of time, especially during the winter, whe It may be added that the material which the farmer can secure from the wood-lot, besides the other advantages recited above, is of far greater importance and value than is generally adinitted.
Wire fences and coal fires are, no doubt. substitutes, but they require ready cash, and often sive. Presently, too, when the virgin woods have
been still further culled the farmer who has preserved a sufficiently large comfortable money revenue from it by dupplying In regard to the manner in which the farmer should manage his wond-lots, with varying cona general way, if he happens to have a virgin
growth of mixed woods. the first to improve the composition of the wood-lot by
cutting out the less desirable kinds, the weeds tree-growth and the poorly-grown trees which im The wood thus cut he will userving as fire-wood, of at all, and had to burn it up, the operatio crop. Then, he may use the rest of the crop,
gradually cuttine the trees must take care that the openings are not made ton) large, so that they can readily fill out wadt

Street Sweepings as a Fertilizer Bulletin lizer," by J. J. Skinner and J. Beattio a ord of several experiments is given, and the for wing conclusion arrived at
The application of street sweepings to soils actor indoubtedly have a beneficial effect and be a danger of a harmful effect from the oily substance hich it contains must, however, be considered fire oil could be economically extracted, this anger would be averted. The oil in the debris for the first year or two may not have any effect, but a continuous application to a field year after unless threntually impair its productiveness, the oily material drainage or other natural agencies some localities this is probably or changed. In use of such material is still said case, af the althouch it has been applied for a number years. No very definite field information on this attention must be called to the fact that the ence of an unusual amount of oil in such street sweepings has been the result of automobile traf fic, and hence appears only in recent years as an
appreciable factor in the use of street sweeping as fertilizer, and it is not improbable that the amount Aside from the physiological action of the oil more strictly mentioned, there are probably other of soil particles and consequent interference with normal moisture movement and solubility of the soil constituents
soils under the influence of undergo changes in little is known concerning the action of organisms on the strictly hydro-carbon oils that no state
ment concerning the possible disappearance or change of this oil in street sweopings can be made

Some 200 agricultural societies and severa raging individual members are this season en under the superintendario field-crop competitions he Department of Agriculture at Toronto. About Agricultural College ,Guelph, last week, to devis a more uniform system of scoring. The Dominion Government was, by resolution, memorialized to packages in which alfalfo seed is afered for or will be plainly and indelibly marked with the name of the Province, State or country where the con-
tents are grown.

Prof. S. A. Bedford, of the staff of the Manitoba Agricultural College, has been appointed
Deputy Minister of Agriculture for that Province, as successor to J. J. Golden, who will hereafter Prior to his connection with the Provincial Agri ears' valuable, Prof. Bedford rendered many of the Experimental Farm at Brandon, and it would have been difficult to find a man for the eputyship possessing so practical and varied a
knowledge of Western agriculture in all its phases,

Under what is known as the "Junior Imperial from 18 to 21 years old, picked up in old Lonributed were landed in Toronto last week and disreans are backing the movement, which is aided Recent changes in Chinese political and comypewriting machines are increasing the sales of dom." The rifle and the "The Flowery Kingstandard accessories, or, should we say, modes of
civilization."

It is understood that the visit of Prof. G. E. lgricultural College, to Great Britain for the purchase of foundation stock for a Provincial herd of the recent outbreak of foot-and-mouth disease

Eradication of Foot-and-Mouth Disease
the British Board Agriculture ensident the circumstances of Agriculture to inquire int mouth disease during 1911 , and of foot-and
whether future methods can be adopted to onsider whether future methods can be adopted to prevert
their recurrence, have recently issued their report,
from which it it appears that their which it appears that the discase has been
trosent in Britain only in ton
present prosent in britain only in ten years out of the
twenty-one years between 1892 and the present
time the total number period being 158; but, as 133 of theaks in that ocurred during the first ten years, and only ondy during the last eleven years of the ontiod, it
would appear that the disease is more under trol now than formerly. The report shows tha there is but little exact knowledge, even among veterinary experts, as to the nature, eren among
means of transmission of the disease ord
The and means of transmission of the disease. The com
mittee therefore feel that it is most important to obtain further information on the subject through the medium of special and thorough investigation
experiment and research Fortunately, Canada has, up to the present,
suffered comparatively little loss from immortation sufferea compans so so little, indeed, that it it would
of this diseas
lppear that the climate ) were not favorable to its dissemination.
heless, it is well to remember that'prevention is
Apples from New Zealand nadian Trade Commissioner in New Zealand, 'th Waitamata Frut-growers Association sent to Van couver a sample consignment of apples. The in up with a carload lot. The head of this in stitution informed your Commissioner that las season fruit was shipped by a British. Columbian firm to them on consignment, with very satisfac-
tory results. The New Zealand firm is now pretory results. The New Zealand firm is now pre
pared to reciprocate, and send a carload on consignment. The Zealandia on this sailing also takes six cases of apples sample shipmen $\qquad$ .

Throughout Middlesex County, Ont., haying was in full swing last week, and though not as fair crop was once anticipated, is turning out a othy meadows, and heat and moisture combined have started the corn growing at an encouraging prate. Some fields of fall wheat which, as a rule, low ; barley is in full head, and a a fine crop are heading, but rather short in straw in many cases, while potatoes, of which there appears to cases, while potatoes, of which there appears to
be a larger area than last year, are coming on

GOSSIP.
CANADIAN OFFICIAL TESTS FOR
HOLSTEINS FOR HOLSTENS FOR JUNE, 1912. FOB
May Echo Verbelle May Echo Verbelle (5320), at 8 years
30 days of age: 21.72 30 days of age; 21.72 lbs fat, equivalen
to 27.15 lbs butter; 702.2 lbs. milk. Thirty-day record, at 8 years 30 day of age; 89.45 lbs. fat, quaivalent $t$
111.81 lbs. butter; 2,587 lbs. milk Owned
Aaggie Mercedes ( 7667 ), at 5 years
months mongie 11 days of age; at 21.63 years
mont. fat
equivalent to 27.03 lbs. butter; 640.6 Fourteen-day record
 equivalent to 43.61 lbs. butter; 1,158.
lbs. milk. Owned by J. M. Van Patter years 10 months 1 day of age; 21.03
Ibs. fat, equivalent to 26.31 lbs. butter
583 . lbs. las, equivalent
58 blos. milk. Own
Elos. 7 years lbs. Yat, equivalent to 25.03 lass. butter
612.3 lise Sena J. 2nd (17731), by H. Bollert months 14 days of age; 19.02 lbs. fat
equivalent to 23.78 lbs. butter; 605.56
lbs milk lbs. milk. Owned by Colony Farm.
Meta Clothilde
 quivalent to 22.31 lbs. butter; 686.2
lbs. milis. Owned by Colony Farm.
Cora Albert De Kol (6205), at 7 yean equivalent to 22.01 lbs , butter, fat Victoria Burke (7103), at 5 years. 11
months 4 days of age; 16.76 lbs. fat,
equivalent to 20.95 ags Whas. milk. Owned by Jas. Caskey.
Maud Holland De Kol (7478), at loss. fat, equivalent to 19.71 lige, butte
465.2 lbs. milk. Owned by J. M. V. Phocis De Kol (7009), at 11 years
month 22 days
 monthe 12 nd cas of or

 equivalent to 33.72 lbs. butter; 419.9
lbs. milk. $\begin{aligned} & \text { Owned by J. M. Steves. }\end{aligned}$ Ykema Calamity Mercedes (14617), 4 years 15 days of age; 13.64 lbs. fat,
equivalent to 17.05 lbs. butter; 423 lbs. Fourteen - day record, 26.76 lbs. fat,
equivalent to 33.45 lbs. butter; 881 lbs milk. Owned by J. M. Van Patter.
Duchess Calamity Mercedes (14616), at 4 years 1 month 1 day of age; 13.05
lbs tat, equivalent to 16.31 lbs. butter
411.7 lbs. milk. Fourteen-day record, at 4 years 1 month
1 day of age; 25.23 lbs. fat, equivalent Wrned by J. M. Van Patter.
Wadmantie Cat Wadmantje Canary (17736), at 3 years
2 months 28 days of age: 19.2 lbs. fat,
equivalent to 24 1bs. butter; 534.44 hos.
milik. Thirty-day record, at 3 years 2 months

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| equivalent to 17.72 lbs butter; 430.7 lbs. milk. Thirty-day record, at 3 years 3 months |  |  |
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|  | Veterinary |  |
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|  | navicular disease, etc. |  |
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|  | igre foot to relieve weight upon it. He rests foot on toe. The foot is smaller |  |
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|  | 2. What will cure quarter crack ? |  |
| lbs. fat, equivalent to 20.27 lbs. butter; 471.5 lbs. milk. |  |  |
| Thirty-day record, at 2 years 11 months 26 days of age; 66.01 lbs . fat, equivalent |  |  |
|  | hard roads or standing too much on dry, hard floors, or possibly by sprain. In most well-marked cases it is incurable, |  |
|  | most well-marked cases it is incurable, but the symptoms can be lessened by long rest and repeatedly blistering the |  |
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|  | $\begin{aligned} & \text { y well } \\ & \text { enar } \\ & \text { than } \end{aligned}$ |  |
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|  | day until the scale comes off. Then blister again, and after this blister once |  |
|  | $\left\lvert\, \begin{aligned} & \text { every month so long as you can give } \\ & \text { him rest. If obliged to work him, shoe } \\ & \text { with rubber pads. } \\ & \text { get. the blacksmith to nare well } \end{aligned}\right.$ |  |
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| Homestead De Kol Colantha (12683), <br> 2 years 4 months 9 days of age; |  |  |
|  | Miscellaneous. |  |
|  | ontario veternnary col-1. To whom should $i$ write tor in- |  |
|  |  | Yoy youg pigas should not bo |
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|  | formation to the Ontario Veterinary College? |  |
|  | lege?Ans.-1. Dr. E. A. A. Grange, Prin-cipal, Ontario Veterinary College, To- | - these by |
|  |  | may be mentioned that our ingurirer in |
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iniry-dyy record, at 3 years 3 monthis
8 days of ange. 9 one
 Lategice Melloa Allan De Kol (14883)



 | equivalent to |
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| milk. |
| Owned | 3 years 10 Lad's Lovelia (12395) tter; 421.25 equivalent to 14.89 lbs , Lakeside Model Pauline (14884) at lbs. fat, equivalent to 20.27 lbs. butter

471.5 lbs . milk Thirty-day record, at 2 years 11 months to 82.52 lbs. butter; 1,862 lbs. milk
Owned by Colony Farm. 2 years 2 months 7 days of age; 14.09
lbs. fat, equivalent to 17.61 lbs. butter; 487.8 lbs. milk
Thirty-day rec
days of age; 54.97 lbs. Pat, equivalent
o. 68.71 lbs. butter; $1,970.6$ lbs. milk wned by F. R. Mallory.
Dolly Hengerveld De Kol (15104), at a years 6 days of age; 13.75 los. Pat,
equivalent to 17.19 lbs. butter; 385.94 Lady Jongste (14026), at 2 years 1 equivalent to 15.69 lbs. butter; 343.6 Aaggie De Kol Sarcastic (12436), at 2 years 11 months 20 days of age; 12.24
bs. fat, equivalent to 15.30 lbs. butter; Patter.
Homestead De Kol Colantha (12683),

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Veterinary
NAVICULAR DISEASE, ETC. rore foot to relieve weight upon it. He He
rests foot on toe. $\begin{aligned} & \text { The foot is smaller }\end{aligned}$ and shoulder are shrunken some. He 2. What will cure quarter crack ? Ans, -1 . This is a case of navicura
disease, usually caused by driving on hard roads or standing too much on dry well-marked cases it is incurable, ong rest and repeatedly blistering the inches high all around the hoof. Tieso tharides, mixed with 2 ounces vaseline oose stall apply sweet oil and turn in bister again, ond atter this offister Then ith rest. If obliged to work him, sho 2. Get the blacksmith to pare wel
down on top of crack; rasp away the hat it will not rest upon the shoe

## Miscellaneous

NTABIO VETERTNARY COI ormation to the Ontario Veterinary 2. Is there any other Veterinary Col $\underset{\text { Grange, Prin- }}{\text { R. }}$ range, $\left.\begin{array}{c}\text { Prin- } \\ \text { College, } \\ \text { To- }\end{array}\right]$

THE FARMER'S ADVOCATE.
FOUNDED 1866

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| 1,902 cattle, 516 h |  |  |  |
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| trade |  |  |  |
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| to $\$ 5$; milkers, $\$ 50$ to $\$ 75$; veal calves, $\$ 7.75$ to $\$ 8.25$; light sheep, $\$ 4.50$ to$\$ 5$; heavy sheep and culls, $\$ 3$ to $\$ 3.75$; spring lambs, $\$ 8.25$ to $\$ 8.65$. Hogs, fod and watered, $\$ 7.85$, and $\$ 7.50 \mathrm{f}$. |  |  |  |
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| review of last week's markets The total receipts of live stock at the City and Union Stock-yards last week were as follows: |  |  |  |
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| Sheep |  |  |  |
| Calves .......... |  |  |  |
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| two markets for the corresponding week of 1911 were as follows: |  |  |  |
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| An outstanding feature of the compari- |  |  |  |
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| numbered 2,888Hogs showed $a$ |  |  |  |
| ceipts of sheep increased 698 head, and calves also increased by 281 . The horse |  |  |  |
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| recaipts were 7 |  |  |  |
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| mply of live stock, the market |  |  |  |
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| the week showed a big slump, trade towards the end being listless, and buyers |  |  |  |
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| Row. ${ }_{\text {colle, }}$ |  |  |  |
| sway, which had a tendency to lowerprices. The warm weather also had an effect upon prices$\qquad$ |  |  |  |
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| The previous week exhausted the supply of distillery-fed exporters, and of the suitable |  |  |  |
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| were offered.$\$ 8.50$to$\$ 7.65 ;$ common, $\$ 4$ to $\$ 5$; cows, from $\$ 5.50$ to |  |  |  |
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|  |  |  |  |
| $\$ 6.25$ for choicest, down to $\$ 4$ for lights and roughs. <br> Milkers and Springers.-Only a slight |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Veal Calves,-The price of calves heldup well, the best selling from $\$ 8.25$ to$\$ 8.50$; medium, $\$ 7$ to $\$ 7.75$; commoner |  |  |  |
|  |  |  |  |
| $\begin{aligned} & \$ 8.50 \text {; medium, } \$ 7 \text { to } \$ 7.75 \text {; commoner } \\ & \text { grades, } \$ 4 \text { to } \$ 5 . \\ & \text { Sheep and Lambs. }- \text { Light ewes, } \$ 4.50 \end{aligned}$ |  |  |  |
| to $85 ;$ heavy ewes, 88.50 to $83.75 ;$ |  |  |  |
|  |  |  |  |
| to $\$ 7.75$ for common; rams, $\$ 3.25$ to $\$ 4$. Hogs.-Prices dropped again, and were |  |  |  |
| quoted at $\$ 8$ to $\$ 8.10$, a decline of from <br> 25 c . to 40 c . from the previous week |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| $\$ 225$ to $\$ 275$; general-purpose, $\$ 175$ to$\$ 250$ express horses, $\$ 200$ to $\$ 275$;drivers, $\$ 100$ to $\$ 150$; workers, $\$ 30$ to |  |  | Cattle-Prime steers, $\$ 8.50$ to $\$ 9$; butchers' grudes $\$ 3$ to $\$ 7.85$. |
|  |  |  | \$100. These prices are for the choicest Sheep and 1 ,atuls, (Thice lamis, $\$ 7.50$ |  |  |  |
|  |  |  |  |  |  |  |
| of each class. |  |  |  |
| B1READSTUFFS. |  |  |  |
|  |  |  |  |
|  |  |  |  |




Gainsborough
[With acknowledgments to biographies
by Sir Ronald Gower, Sir William Marti wonway, Encycloperdia Britannica, etc. To mention Sir
most
necessitates
Joshua
that Thomas Gainsborough in the next breath All but together they stand-indeed, some
art critics would place them side by side art critics would place them side by side school of portraiture, while in landscap
painting, which Reynolds did not care painting, which Reynolds did not care to
touch, Gainsborough holds a place but
little less eminent. little less eminent. Gainsborough was born in 1727, at
Sudbury, the son of a crape-maker, and Sudbury, the son of a crape-maker, and,
like the majority of artists, gave evi dence of his talent at a very early age. At ten, it it recorded, he "had sketched every fine tree and picturesque cottage",
within reach of his home, and had filled within reach of his home, and had filled
not only the blank spaces of his own not only the
school - books with
wark spaces of his own
caricatures of the school-master, but also those of his
school-mates, who, for such good service, school-mates, who, for such good service,
gave return by working his arithmetic gave return by working his arithmetic
problems for him.
Upon one occasion while sitting in an orchard, pencil in hand, a thief placed his hands on top of
the wall and drew himself above it a moment. In that brief space of time young Gainsborough sketched the man's features, painting them the same night on a bit of board with such fidelity tha
the man was recognized and arrested. This picture he called "Tom Peartree." No check appears to have been placed upon the development of the lad's talent. Indeed, his mainting who uraged excolle every possible way, and many were the sketching tours which he made about the
wooded hills and tranquil valleys of the wooded hills and tranquil, valleys of the
neighborhood. "Suffolk," he often said in later life, "made me an artist," but the credit cannot wholly be laid to that
beautiful district.
There was, indeed, a beautiful district. There was, indeed, streak of unusual cleverness in the whole
Gainsborough family. One of his brothers invented the sun-dial, and antioipat ed Watt in the conception of a stean engine; another tried to invent filing
machines; hence it is not surprising to sessed of an originality that must need find expression, and he, as it chanced
became the most illustrious of all the most illustrious of all. At fourteen he was sent up to London
to learn engraving, and there, before long, he obtained admission to St. Mar
tin's Lane Academy. At eighteen he retukn, with refined features and singu-
looking, larly brilliant eyes,"-tall, fair, hand some, generous, impulsive, a lively talker
quick at repartee, -in short, just such a youth as might easily win the heart of pretty Margaret Burr, sister of one of
the workmen in his father's crape-shop, to whom he was married before two years more had passed. happy one. Margaret was not only pretty, but of unusually sweet disposi-
tion. Moreover, she was the recipient of a life annuity of £200, an oiling to
the wheels of the domestic machinery which was by no means to be despised.
There was, as a matter of fact, a mystery about the birth of Miss Burr, and popular report had it that she was really the daughter of an exited prince, len After living in Sudbury for six months, started housekeeping in a small house that cost but $£ 6$ a year rental, where
(Gainshorough set up as portrait painter. Gainshorough set up as portrait painter.
His love for nature, however, took him Ais love for nature, however,
often to the fields, and many a sketchhy tour did he make along the windatherwards drawing-master to the Prince

Artists). He loved the peasantry, whom those bells so often rang, have was paid. "There can be but fev
nd loved to paint them in their usual whom those bells so often rang, have niironment, and many a fine canvas
still remains as a result of these ram bles, for Gainsborough "gave poetry to the humblest of rustic scenes." A fine favorite he was, too, among these sim-
ple, kindly people, for whom he deli ghted oo, kindly people, for whom he delighted okes. "I have seen the aged featurres of the peasantry lit up," wrote a conemporary, "with a grateful recoliection
of his, many acts of kindness and benevo ence." many acts of kindress and benevoA happy, sunshiny nature, indeed, was
Gainsborough's. He was always the Gainsborough's. He was always the ancient inn is still shown in Ipswich in which his wig was often snatched off in the nonsense of merry revels.
But two daughters had been added to the family, and it was necessary to earn more money; accordingly, the Gains-


The Market Cart
From a painting by T. Gainsborough, R. A
then a winter resort of wealth and fash- the actors Quin, Henderson, Foote, and ion. "All the folly, the wit, the wealth Garrick. The gentlemen of the foot"congregated in the handsome, and then subjects. ""Rot them!" he used to say but newly-built Circus, and its adjoining -'they have everyone's expression but streets and promenades. Sheridan rev- their own !
elled in the humor of the place and in During all of this time, however its society, which furnished him with the Gainsborough never let drop his favorit material for some of his brighter come pastime, landscape painting. He did not
dies; whilst Miss 13urney noted down for
expect to sell his landscapes, neyer dies; whilst Miss Burney noted down for expect sell his landscapes, never but
use in her next novel the vanities and once or twice, indeed, did he so much as follies, the gossip and scandal of that take the trouble to sign them, and he
foll frolic crowd." A peal of bells used to scatterea theme an with a reckless
welcome the welcome the arrival of strangers. There generosity, even giving several master-
was none for Gainslorough; but to-day pieces to a carrier named Willshire, who was none
may lee seen a tablet on the house where had refused to accept payment for carry-
he may lie seen a tablet on the house where had eversed to accept payment for carry-
he e lived, white even the names of the ing his pictures to London, and who,
grat majority of the fashionable folk for possibly, did not realize how highly he
was paid. "There can be but few are more to be envied-if the failing is permissible-than one of these beautifr
landscape paintings by Gainsborough landscape paintings by Gainsborough,
Such pictures are a ceaseless joy to thoe who value the highest expression tha English art has attained. While at Bath, Gainsborough wae
chosen as one of the thirty-six original chosen as one of the thirty-six origina also practiced music, and learned to pla the harp, hautboy, viol-di-gamba, an
violoncello. Indeed, at all times musio was a passion with him, and it is quito likely that had he not found expression in art, he would have become known

In 1774, Gainsborough fell out with Governor Thicknesse, and on the impulse of the moment left Bath and settled in London. Again, however, the change
was a happy one. He was now known. was a happy one. He was now know.
Moreover, he was now able to take up
his residence in a favorable locality his residence in a favorable locality, so he settled in a woing of Schom'berg House, ing, paying for the portion occupted rental of 8300 a year.
As at Bath, sitters flocked to his studio, and before long he received eays a blogrepher, "he divided with wo the favor of the Court, and ", with ReyThe the The years were now busier than ever. Queen Chariotte and her children, of the polished Lord Chesterfield, of Admira many others not less notable
As of old, he haunted the green-rooms of theaters, painting the actors and actstic generosity, presented the portraits o them as soon as finished, as a slight tribute of his gratification in their ablity
ob "delight the world." "It解 to Garrick upon one occasion, in referonce to a portrait of the actor for which e did not wish to accept payment,blood. .. I know your great stomach, that you hate to be crammed, but you
shall swallow this one bait. . God shall swallow this one bait.
beess all your endeavors to dight the world, and may you sparkle to the One of his best portraits of this time as the famous "Blue Boy," a portralt ron-monger, painted in refutation of Reynolds' theory that blue should never be made the leading tone of a ptcture.
Especially, perhaps, did Gainsborough delight in painting portraits of ladies, 'their soft, clear skin, and curling hair; the gloss of silk and fuuf of feathers."
His portrait of Mrs. Siddons is considered second only to Reynolds' reproentation of her as the Muse of Tragedy, --
notwithstanding his impatient criticism of her, "Madam, there is no end to your Amo Misses Linley, daughters of a Bath musician, who were renowned for their singing, as well as their beauty. Eliza-
beth was especially beautiful, and England went wild over her. At eighteen,
she had married Sheridan-a runaway marriage-and at thirty-eight she died It was said that Gainshorough never missed a concert at which she sang. Emma Hart, afferwards the famous Lady Hamilton, who for a time before her narriave lived as model to an artist in and yet others were the Duchesses of Nevonshire, Genrgiana and Elizabeth. be remembered, was stolen from Messrs

## Hope's Quiet Hour

## The Open Door Into the Infinite.

We look not at the things which are
seen, but at the things which are not seen: for the things which are seen are semporal; but the things which aree are not
then mis
It has been said that religion is "the
poetry of the heart, the open door into the innnite." And men on over in into
are indined age are inclined to narrow their horizon, not
looking through the open door looking through the open door at the
glorious mysteries of God, but turning their backs to the great things which are eternal that they may fill their armsand try in vain to fill their hearts-with
the visible things which so soor fand
lose interest.
If we want to be delivered from the
boredom of the commonplace, we must boredom of the commonplace, we mus
learn to look at the things which cai never be discovered by our bodily senses. It may seem to the "stay-at-home" great step out of the region of the com
monplace to have the opportunity travel. And yet a person who is only
seeing Europe with his hodily evesight seeing Europe with his bodily eyesight,
will soon find even the constant change of environment is tedious and wearying, A tourist was once looking at one of growled wearily: "I cann't for the life of me see what people find to rave about and tumble-down ruins
Such a man would feel no thrill it per-
mitted to stand where the Saviour of
the he worla stood on the Mount of Olives, burden of our sin in the Garden of Gethsemane. Perhaps he $\begin{aligned} & \text { would even. turn } \\ & \text { away unmoved from the bare spot of }\end{aligned}$
the ground where that Cross once stood
 hery ground, not because it looks dit-
ferent from any other place, but because Yerent from any other place, but because
we see there Him Who is invisile. Jacoo fell asleep in a lonely wilderness, and when he awoke, arter that dream
which was a peep through the open door which was a peep through the open door
into the infinite, he oeclaimed ."Hor readful is this place ! this but the house of God, and this is the things visible" hefore he slept teen only place had seemed dreary, now he the ow blind he had been, and said: "Sureit not.", What is your outlook on life ? Are
ou looking very often through the onen door, or is your heart set almost en-
tirely on the disappointing the tirely on the disappointing things which
are temporal ? Why should I care your outlook? I don't know why I do. yet $I$ desire with all my heart
give
God's
message
effectively. give God's message effectively.
earnest prayer is that your spirit
ma earnest prayer is that
reach out with mine to seek in wonder-workings, or some sush Men $\begin{gathered}\text { anamer tor } \\ \text { coen } \\ \text { celd }\end{gathered}$ God, and tancy Him conBut in earth's common things He stands While grass and flowers and stars spell out His Name.
Are we seeking and finding Him ever
where, tin the resttul green of the of stars, in lovelit blue of the sky, in the and of
birds birds and laughter of children? or door, in mourntul complaining the open troubles, or in eager pursuit of earthly I lately read a glowing description of the many advantages enjoyed by the up-to-date farmer. No need for him to
drive long miles to
do business, he ha the telephone. No need to go to town His wife shares in the improvements, and has her electric iron and other labor saving devices. How we have improved on the one-horse mothods of our fore-
tathers! Have we? These things visible and temporal. These things are Torced to lay them down and step out through the open door into the eternal.
They are all very well, if set on things above. Then we can drop them without regret, or use them for a
time without spiritual injury. But,

as well as boys, besides a large airy
hospital, with an able staff of physicians; hospital, with an able staff of physicians;
and last, and certainly least, a gaol for looks down pron the city it provects and when it has its large array of miliit gives life and variety to the Capita Natal.
we start for the transvaal.

 to Pieter-Maritzourg one to to auways moot pleasently remembered.
In my Log, under date let June, 1875 oan I describe our start trom the yard of the Royal Hotel, where, amongst those who gathered around to bid us
adieu, many stretched forth helping adieu, many stretched forth helpin
hands to perform what seemed like agician's task, the compressing of what dy go into, spaces which appeared al ready filled to overflowing? The human
treight had still to adjust itself, but where ? A narrow wedge at one side of the wagon, but over which oozed pack-
ages, hard as well as soot, attracted my
attention, If I could attention, If I could but once get into
that, and no one but myeelf could do that, and no one but myself could do so,
thet should be my nool ! Thus, my travelling oompanions, my husband, keen
on his business errand, and the Rev. Mr. G., on missionsary thoughts intent, would be free to use the two very small spaces
left for passengers, is only they conld left for passengers, if only they could
squeeze themsolves into them, a feat squeere themselves into them, a feat
which was finally accomplished, and
which became by daily practice Which became by dailly practice, aided by
the jolting of the wagon and the applithe jolting of the wagon and the appli-
cation of the old adage, "Necessity is the mother of invention," one less तiffcult of achievemen
the eight horees had been sent on to the good Natal fashion of starting with fresh beasts from thence, instead of wearing them out at the outset of a long "trek," oxen, for a certain fee per head,
being bired for this supplementary duty. With measured tread our lumbering animals dragged us up that picturesque but
interminable hill, and I caught myeelf saying rejoicingly, "thanks be that marses and not oxen are to take us over the 600 miles of berg and veldt berween
Natal and the Transvall., but before twenty-four hours had passed I mentally begged pardon of those patient oxen, for when the exchange was made our trave

The Beaver Circle
OUR SENIOR BEAVERS.

Some More Competition Letters



Trillium
(Drawn by Winitred Colwell.)
18 where it gets its name. There are several clusters of small, Ted flowers.
These grow on every stalk, The root is not very hairy of the plant. large. [Most of the Beavers will recog ion be mado tongue most readily if men"burs" that follow the flitle, flat, hard The caraway is an aromatic plant.
We get caraway seed from it. The seed is used in buns.
of it in the have quite a parner of patch know what the name of it was for quite while. The flower is white, composed ry common around here . It is not
 every spring, and seems to die out in
the winter-time. The dandelion is a very common road side plant. It also grows in gardens fields, and lawns. It does not matter much about the soil, for it grows every
where. The stalks are hollow Where. The stalks are hollow, and the
vein of the leat is also hollow. it is
a very early plant, and goes to seed a very early plant, and goes to seed
cuickly. The seed is blown ofr by the
wind, and the phant spreads very rapidly.


The root

and useful. This plant gets its name from the fact that the Indians used it as a remedy for colic, etc. The juice used in some places as a remedy is consumption. This plant has many names, some of which are cuck man-pint Jack-in-the-pulpit, and many others. Dur-
ing May, Jume, and July, the plant is found in forests, or in rich, damp, shady oil.
Brookville, N. WINIFRED ${ }^{2}$. Brookville, N. B.
hepatica, spring beauty, dutch Dear Puck
Dear Puck and Beavers, -1 have en
joyed reading your letters, but have got; up courage to write until now. M ather has taken "The Farmer's Advo ing it very much. I am going to for the flower competition, and hope to be successful. I go to High School and My first flower ts lound it in quite rich soil hepatica. It is a rather peculiar flower, becaus the large, open leaves are last year's and this year's leaves are closed and My second flower is the spring beauty It is perhaps one of our most common,
early spring flowers. The springs from a brown tuber Boft stem in fertile soil in the woods, or along fences. The flowers are in a raceme and are very pretty when they first open,
as they are pink, but fade with the as they are pi.
My third flower is the Dutchman's
breeches. Not many of my readers will
breeches. Not many of my readers will
be familiar with it by that name,

JULY 11, 1912
THE FARMER'S ADVOCATE

Is generaliy catco plant very much like it is called "kirlo. plant very much like it is called "Eirls,'
It springs from a bulb tike rhizome
Which is pinkish in color. It is found


Dicentra.
"Dutchman's Breech
in rich soil I am ending you a picture which I
aketched in school gketched in school one day
Well, I think my letter is
Well, 1 thin my letter is getting long. study book, as I love such work as that. Wishing the Circle every success.
ARIEL M. MOORE Burgessville, Ont. ${ }^{\text {(Ag }}$

Star flower, marsh makigold, In the months of May or June, a new
spring flower comes into view. It is the star flower, which is usually. found in the shade of woods in most places. The
flowers are of a delicate white in color. They are star-shaped, with one or two on a slender-stalk above a bunch of leaves. It has six or seven petal - like segments. There are from five to eight
leaves in a bunch on each stem. They are thin, and tapering at both ends. The stem is slender, and from three to
five inches in height. The wakerobin, or often called, blooms from April to June. often called, blooms from April to June.
It is found in rich, moist woods. The lowers are a dark purplish-red, erect on
Che end of the stalk. There are three

cluster of three, about three-quarters of cluster of three, about three--uarters of
the way up the stem. They are broad
and ovate. the way up the stem. They are broad
and ovate. [You have given only Tril-
liurn erectum. liurn erectum. There are other species.-
Ed.] About the last of April or the first of
May another ppring blossom comes to
sight. It is the marsh marigold. It

n the top of the ground, making
hard to pick them without dislodging
their roots. It would be hard to fin their roots. It would be hard to fin
two Jack - in the -

Your drawings were beautiful, Amy. blossom. The ground was soft after the
rain, so it was easy to dig it up. The
soil I found it in was composed of leaf
mould, pine needles, and old, rotten sticks. It was very rich.
When I found the lady's slipper it was When I found the lady's slipper it was
white, but now it is a delicate pink,
veined with rose purple. The flower veined with rose purple. The flower
seems to form a litte sack. The stem
seems to rise up litom one of the leaves.
There are two lirge There are two large leaves, which have
deep veins. The roots are very long
and 'strong. The lady's slipper belongs to the orehid family. There are ten species found in
North America. The pink lady's alipper and the showy orchis are well known.
The bellwort is found along the banks


Never Mad Time.
Thare was an old fellow who never had For a fresh morning look at the Volume Who $\begin{gathered}\text { Subver had } \\ \text { nerayer }\end{gathered}$ time lor the soft hand of To smooth out the wrinkles of labor and Who care ;
could not find time for that service
so sweet At the altar of home where the dear ones And never found time with the people To learn the good way that the fathers But he found time to die. O, yes I
He found time to die.

This busy old fellow, too busy was he To linger at breakfast, too busy was he and wife, But led in his marriage a bachelor life;
Too busy for kisses, too busy for play, Too busy for kisses, too busy for play,
No time to be loving, no time to be gay No time to be loving, no time to be gay;
No time to replenish his vanishing health ! No time to enjoy his swift-gathering ealth;
But he found time to die,
He found time to die.
This beautiful world had no beauty for Its him; $\begin{aligned} & \text { helors } \\ & \text { were black and its sunshine }\end{aligned}$ No leisure for woodland, for river or hill, No leisure for woodland, for river or hill,
No time in his life just to think and be still;
No time for his neighbors, no time for his friends,
No time for those higher, immutable ends of the life of a man who is not for a day But, for worse or for better, for ever and
aye; He found time to die.
of rivers, where the ground has been burned over, and in other places. The
soil is generally rich where the bellwort soil is generally rich where the bellwort
grows. The leaves are long-shaped, and
are at the top of the stem. The flower is long-shaped, and is of a creamy color The show suan a swamp almost white with them when they were in bloom. I think the showy orchis resembles th
lily of the valley, as the leaves are simi lily of the valley, as the leaves are simi-
lar. The blossoms are very fragrant. I would like to win a prize as I hav not any nature-study books.
Best wishes to the
Best wishes to the Beaver Circle.
CATHERINE A. MacDONALD (Age 16 years)
Upper Welsford,
Queens Co., N. B.

## TRILLIUM, INDIAN TURNIP, DAISY

 FLEABANE. Dear Puck,--I am enclosing the drawngs of three wild flowers, trillium Jack-in-the-pulpit, and Canadian fleabane Trillium may be found in every wood
found here. I found mine near a de around here. A are always larger whe caseding in decayed wood. We find red
gros, which have a strong perfume. Th
ones ones, which have a surong perrume.
white ones are beautiful, and we ofen find pale pink ones, but I think they are
just the white ones getting more sur than others, as their perfumes are alike The Jack-n-the-pulpit likes damp, marshy
places, with dark, rich soil, and plitenty
ol leaf mould. The roots are set loosely 1 leaf mould. The roots are set loosely

## The Dancing Days

 'Tis a year and a day back to KindreeWhare the gerr!s had no shoes to their 'Tis many a mile to the ould town Where the childer' wanst danced in the
$\qquad$ Here's bread to be had for the breakin'
Here's moilin' and frettin' Here's moilin' and frettin' and lroth 1'
But thinkin' av home, how me heart's Must jig like a wave o' Lake Roth Av home, och, where down thro' the ould Wid his pipin' went Ragged MacGeeAnd faith, how the colleen thrailed
round at his heels
And all jigged like the leaves av a tree
The walls were a tumble of stone-heape The walls were a tumble of stone-heaps,
The skim milk wid wather was thinned, But $\begin{aligned} & \text { grown- } \begin{array}{l}\text { danced } \\ \text { wind }\end{array}\end{aligned} \begin{aligned} & \text { like the grass in the }\end{aligned}$ Not worth a traneen was the village But no wan was sthoppin', to fret-
And I'll wager they're goin' like a treeFaith, dop toncinn ${ }^{\circ}$ and starvin' there yet Faith, Arthur Stringer, in The Forum.


Please order by number, giving age o at least ten days to receive pattern. Frice, ten cents per pattern. $\begin{aligned} & \text { pattern } \\ & \text { Address }\end{aligned}$ Fashion Dept.,. "The Farmer's Advocate,"
London, Ont.'
-
The heart that can be reached throught the stomach ien't worth reaching. ing, and yet we hate She keeps us guese All men are born equal, but her up. ity seems to end right there.


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The Ingle Nook.




Chapter on Ppeserving Vegetables.
canning.
Comparatively few people can vege
tables, yet often during the winter it would be very convenient to have a few squash to fall back upon for a hurried In canning all vegetables, as has been noted in a previous issue, the essentials
of the process are thorough sterilizing of the jars and long boiling of the vegetable, tomatoes (really a fruit) being the
only kind that will do with a short period of cooking. Here is the method given by one ex-
pert: Thoroughly sterilize the jars (as
described in this column a short time ago, then pack into them as tightly as
possible. raw or cooked, whatever vege possible. raw or cooked, whatever vege-
table it is desired to save. Next pour
in cold water until bubbles come to the top, no longer ; put the new rubbers
on, and lay the tops on on, and lay the tops on loosely.
Now set the jars on the rack in the boiler and put cold water in until it
comes about two-thifds of the way up, put the lid on the boiler and boil steadily, but not so madly as to disturb the
jars, for several hours. When cooked, jars, for several hours. When cooked,
snap down the covers and remove the
jars. Leave them until next day jars. Leave them until next day, then
repeat the boiling for about half as long, loosening the snap; of course, to
prevent the jars from bursting. Again snap down the covers before removing the jars from the water, and repeat the
beiling on the third day. When hoiling on the third day. When the
seaters have cooled this last timee, bet them away in a cool, dark, dry place.
New rubbers should be bought each year, New rubbers should sealers with snap-down, tops are
and and
best.
The
The vegetables that may be canned in this, way are greens of any kird; aspara-
gus, corn, green beans, peas, caulinower, beets, and squash. Do not put either
sugar or salt into the jars. sugar or salt into the jars.
SOMF RECIPES FOR PRESERVING vegetables.
Cucumbers.-Pack sliced cucumbers. in
sterilized jars and
cover sterilized jars and cover with vinegar
and water mixed, about half and hall, end slightly salted. Seal. No cooking is needed.

Vax Beans.-These may be
cumbers, in strong brine in kept, like cucumbers, in strong brine in
jars or crocks. When you wish to use jars or crocks. When you whish to use
them during the winter, soak over night
and change the water tin the morning. and change the water in the morning.
Cook the beans until tender. Add Cook the beans until tender. Add a
little vinegar when serving, or cream,
butter. pepper and salt Horse-radish.-Grate, mix with vinegar and seal in sterilized bottles. When it
is to be used, dilute slightly with water is to be used, dilute slightly with water
and add a little sugar. Whipped cream may also be beaten in, if liked. Canned Tomatoes.-Stew tomatoes from
25 to 4.5 minutes, and seal at once in thoroughly-sterilized and seal at once in ${ }^{\text {jars; }}$ adding salt
enough to season, if youl choose some enough to season, if you choose-some
put one teaspoonful on top of each sealer. (2) Peel small, round tomatoes and
put them in the sealers fut them in the sealers whole; cover
with water to which a very little vinewa has been added, and boil in a boiler un-
til thoroughly cooked. Fill each oseler o the top with boiling water and scerew
r snap down the ir snap down the tops nt once.
Preserved Tormatoes, Ripe.-Pour boilng water over ripe tomatoes, leave for
h moment, then drain and peel. into bits, and preserve as you would any
other fruit. Wy adding sugar and boiling.
$\qquad$
$\qquad$

then put away in jars. When making
the pies, bake between two crusts, add the pies, bake between two crusts, add-
ing a few very thin slices of lemon, some len:on juice and the grated rind. Tomato Paste (nice for oauces, stews,
etc.)-Boil $\ddagger$ peck tomatoes, a carrot, an nion and a bunch of celery to a soft
paste. Put through a sieve or vec table ricer, and return to the fire, add-
ing salt and pepper. When boiled thick, spread on granite pie plates and keep in a very dry, cover closely, and the paste to soups, stews, gravies, etc., as necessary. Whole.-Put whole, firm
Tomatoes, ripe tomatoes in a stone jar., Cover
with water and vinegar mixed, one-halt with water and vinegar mixed, one-half
of each, adding some whole cloves, a litthe salt and sugar. Put flannel over the
tomatoes, and keep all covered with the liquid. Cover closely. Dried Ripe Tomatoes.-Scald, peel, cook ntil sort, and dry on plates in a warm
aven or in the sun: Preserved Green Tomatoes. -7 pounds green tomatoes, cut in bits, 4 pounds
sugar. Let stand over night; next day cook slowly, adding some ginger-root, or
lemons or oranges sliced through or oranges sliced or put use more sugar, if you like.

A Supprise for Halton Co.
"'ENNISCLARE" FLOWER GARDEN
COMPETITION.
I have a surprise for the farmers' wives and daughters of Halton County, Ont.,
today. Inspired by the example of Mr . James Pearson, and the work he is dolng beautiful than it is, another beauty-lover Mr. H. C. Cox, of the Camada Life Assurance Company, Toronto, presumably a Halton County "old boy" (?) has decided
to offer similar conditions, for that part
of the Province. for the Pearson Flower Garden Competi
 are to be given for the three best flower-
gardens in the county, taste in ment and luxuriance of growth arrange considered rather than extent.
in the county may compete, the daughters ditions being, (a) that they belong to families in which "The Farmer's Advosend announcement for; (b) that they enter the competition to " "Junia " to office, giving full name and address, also number of concession, lot, and name of Cownship, in order that the gardens may their tour of inspection the judges make These conditions, then, will obtain for
Halton Co. as well as for Peol Co Halton Co. as well as for Peel Co.
This announcement comes, it is true; a little late for the making of gardens,
especially for the competition but Mr. Cor did competition this year, () he Peel County competition sooner. As ready a number of am attractive there are al the county (Halton), and the offering of
the prizes now might, the prizes now might stimulate the ef
fort to improve them, and keep them in good shape, and would at all events be be mem them in
the means the means of creating, an interest in the
matter for next year., matter for next year."
Much may yet be done towards making gardens finer still than they may be by tivation, and treating with surface cul-
nure (not too strong) nure (not too strong). So we hope
that Mr. Cox's liberality will meet with an encouraging response, and that a
great many entries will arrive at this office during the next fortnight.
We are particularly We are particularly pleased in making
this announcement for Mr. Cox, the more especially, perhaps, thar. Cox, the more
adioins Peel adjoins Peel, so that a wholesome rivalry
between the two counties is likely to be
set set up. We sincerely hope that this
movement will extend until it embraces
every countly every county in the Dominion. old Country folk continually contrast areness of the rural homes of Canada
with the bowers of beauty which have
peen made of even the smallest cottage been made of even beauty which have
homallest in Fottage
隹 son for such bareness here. A feew vines feul oue year, a hew shrubs A few vines few herdors of perennlals and another,
and the transformatton 1 s done. It is
worthy of note to

THE FARMER'S ADVOCATE


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tion when choosing her colors), you
would know that blue of all shades was
becoming, cream rather than pure white,
some shades of brown, but no sort
shade of green, except by artificial light.
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fied ewes.
Prices moderate.
HENRY ARKELL $\&$ SON, ARKELL, ONTAR



IT The most bread, the best bread and the finest pastry are the assurance you have in making McLeod's "SPECIAL" the family flour. Scientific millermen with the akill to appreciate and apply all the most modern and scientific appliances in producing the highest grade flour have producing the highest grade flour have made McLeod's "SPECIAL" the ezcellent product that it is, and the best proof of it grows daily.
IIt is made from a most perfect blend of the finest of Ontario winter wheat and Manitoba spring wheat, it requires less hortening for pastry and less water for bread baking--Mc. water for bread baking-oLeod's "SPECIAL" pro-try--it is economy to use it. McLEOD'S FLOUR IS ALWAYS RIGHT Tho Mclood Malling Compart, Limitod


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Virgina Farms and Timber Lands-In


non't be cross, Thelme. Whather you
believe it or not, Ir raelly wrote the bit
bhich has so disturbed you with the wish
 think red hair undesirabie (and there are
just a few of them you koum), so that
they might see diferently. Just possibly they might see diferently. Just possibly
that same paragraph of mine may have Chat sanio paragraph of mine may have
converted, from an uterly unraasonale
preiucice, someone whom you may meet some day, and who may think your hair more beautitul because of it.

 it on good and hot, and rub of with an-
other cloth. I find this to be all right."

DRINKS, JELLIES AND HOT-
weather puddings.
Lemonade.-Cut thren lemone and an
orange in two, and prese out the uicice
 ine, cover with sugar and let stand an
nour or more. In the meantime, hoil hour or more, In the meantime, boii
cup sugar with $\ddagger$ cup water until
it spins a thread, and pour while hot over
the fruit-uice. While thris is cooling add the fruit-juice. While this is cooling, adid and mash well; then drain of into the other syrup. This mas now bo diluted
with water, and served very cold.
Iced Chocolate--Grate 2 squares choco-
Iate, mix with 1 cup sugar and 1 cup rate, mix with
water. cup sugar and conk to cup
Cook thick double boiler, then remove, put in 1 tea spoon vanilla, and set away to cool
When When ready to serve, put 2 tablespoone
of the syrup for each plass into of the syrup for each glass into a sealer,
add the required number of very cold milk, and shake well. Serve
in tumblers or goblets, with a spoonful in tumblers or goblets, with a spoonful
of whipped cream on each.
Very nourEgg Sheke (nice for an involid) ? Eg Shate (nice for an invalid). - - Beat spoons sugar and $\ddagger$ cup very cold water
to the yolk, and shake in a pooder untill to the yolk, and shake in a sealer until
light and creamy. Add the white and shako agaicr. Now put in 2 tablespoons drop or two of vanilla, and ehakk again. Serve in a glass with whipped cream on
top
Pineapple Pineapple Sponpes.-Pack a number of
small moulds with
stale crumbled fine, then fill with phongeapple
syrup in which a litlo gelatine has been
disesolved dissolved. Set in a cold, place to bo
come firm.
 teaspoon lemon juice. Boil all together
and thicken with cornstarch or arrowand thicken with cornstarch or arrow-
root. When cooked, told in the stilly
beaten whites of tour eggs, and pour il io beaten whites of four eggs, and pour in on
a mould dippod in cold water. inill
and when rendy to serve turn out on a and when ready to serve turn out an
largeplote or ilis, put whipped .ea
on top and berries around the edge. Raspberry Vinegar.-To four . Fuarts
raspberries put enough vinegar to raspberries put enough vinegar ot charter
Let stand 24 hours, $\begin{aligned} & \text { then scald end }\end{aligned}$

$\qquad$
$\qquad$
$\qquad$ Illspice, and 1 of cloves. Whem coilling
dd the currants and boilGreen Currant Pie.-Stem and mash 1




$\qquad$




ered. Currant Currant Jelly.-Pick the currants when bariectly drye, and be sure that they are hot sten them, but look them them. Do then crush them in a crock or granite all in a bag and drain over night. Put In the morning measure, and allow a pint of sugar to each pint of juice. Boil the
fuice 20 minutes, skimming well, and fuice 20 minutes, skimming well, and in
the meantime heat the sugar in the oven. Now add the sugar, stir until it
dissolves, and skim. Let beil dissolves, and skim. Let boil up once,
then strain through a little then strain through a little bag into
glasses. Let the glasses stand in the sunehine one or two days, then coter with melted paraffine, put on the tops and put away.
Red Raspberry and
Take equal parts raspberries and cur-
rants, and proceed as above. and cur-
Gooseberry Jelly.-To 1 quart berries
allow 1 pint water. Stew until
broken, then strain through a bag. io
not press through, or the jelly will not
he clear. To 1 pint juice allow 1 pound
sugar. Boil the juice 20 minutes, then add the heated sugar and boil 5 minutes
longer. The gooseberries left over mat be made into jam.

Jelly Making.
[Condensed from bulletin of the Cor-
nell Reading Course, written by nell Reading Course, written by N. E.
Goldthwaite, of the University of Illinois.]
"A good fruit jelly is a clear product that is neither syrupy, sticky, nor tough
neither is it bitter, and yet it will neither is it bitter, and yet it will break
doing this with a distinct, beautiful cleavage that leaves sparkling, characteristic faces."
If very
raspberries and fruit, such as currants raspberries and the like, is being used,
place the clean fruit in an enamelled preserving kettle, add just enough water to
prevent burning (perhaps 5 quarts fruit), cover, and place where the fruit will cook rather slowly, stir ring occasionally with a wooden or a
silver spoon. When the simmering point silver spoon. When the simmering point
is reached, crush the fruit further with is reached, crush the fruit further with a
well - soaked wooden masher, then continue heating until the whole mass is cooked through. Transfer the hot mass
to a sufficiently large piece of cheese cloth (double if desired) wrung out of hot water, tie the opposite corners of gether, and let the juice drain into an
eathernware or enamelled receptacle. Keep this juice separate for the first jelly. The remaining pulp may be made Into marmalade, sometimes into a second
jelly by adding a little more water and boiling up again, using a smaller proporbe kept to add or this second juice may
the first if that should show any sign of ropiness or stickiness. rich in pectin, the jellying substance, so
that too much sugar for the quantity of pectin has been used.
The correct
The correct proportion of sugar for
fruits rich in pectin is usually from threefourths to an equal is volume of sugar to the equal volume of juice ( $(8: 1$ to $1: 1)$.
"Currants and partially - ripened cield a a juice so well adapted to grapes making that they will usually demand to proportion $1: 1$, while $\{: 1$ is likely raspberries and blackberries, for red fuices from fruits to which much water extraction-such as sour apples, crab apples, cranberries, and the like. crab If the juice seems unusually watery, then lessen the proportion of sugar. Better
err on the side of too little rather than too much sugar if a jelly that 'will stand alone' is desired; if a softer and
sweeter jelly is called for, then, of course used.', ${ }^{\text {arger }}$ proportion of sugar should be

JULY 11, 1912 previously hea
peated lestings aucer) arter the sugar is added, right consistency may be obtained.
It will be noticed that the best jell making fruits contain considerable aci he jellying ouice, etc, strawberrie by adding enough tartaric or citric aci art apples, care being taken to haveo cid thoroughly dissolved.
When the jelly is ready, it shold poured at once into hot, sterilized glasses, and after having "set," shoul be carefully sealed.
By experiment, a test was finally dis
covered for testing the amount of pectin present in a juice, viz., to add to one or two tablespoonfuls of juice in a glass mixing thoroughly - and cooling. pectin is present, a gelatinous mass will
appear in the liquid. This test any ousekeeper may use, thus receiving some will be required in making the jelly. range in the inner white skin, which, therefore, should never be discarded whe
making marmalade. If one does not ish any of with, and the jellying propertis till retained by the following process Remove all of the white inner skin, pasi through a ine meat-grinder, soak owly for some hours, strain, and ad o the fruit-juice This liquid may be dded to any other fruits that are de ficient in pectin or "hard to jell, e. g.
rhubarb, strawberries, etc. An old device is to combine other
truits with tart, barely-ripe apples, thus roducing different flavors, while trustin o the pectin

The Scrap Bag.
washing egg dishes. Soak egg dishes in cold water first, once into hot water; it is harder to get wasiting stockings. Black Lisle thread or cotton stocking nake it, put some bran into a cheese cloth bag and shake it about in warm
ooft water until it makes sort of oft water until it makes a sort oithout soap, rinse in similar water and dry quickly. mEAT in hot weather. If you have no refrigerator, you can
keep a piece of meat fresh पor a time in crock of sour milk, changing the milk, if necessar fectly dry, over a dry washboard. This is better and easier than rubbing with
the hands or brushing with a whisk. fruit stains. Pour clear, cold water through the stain, then spread on the grass to bleach,
wetting the spot frequently. This lis wetting the spot frequently.
safer than pouring boiling water through, as hot water sometimes sets the stain. SPOTS ON SLLK. To remove spots from silk, without injuring the color, take 5 parts water and parts pounded alum. Boil a shart
ime. To use, add a little more water time. To use, add a litte more whould be warm when applied.
TO CLEAN PIANO KEYS.
Rub them with alcohol or new milk, and polish dry with chamois or a clean, fry duster.
USE FOR OLD HATS. Old straw hats may be ripped apart and sewn into waste-paper baskets. he JITW JSE FOR vingen NEW USE FOR VINEGAR.
Vinegar is very useful for cleaning moky or fiv-specked woodwork, picture-
frames, windows, etc. Rub the article with a flannel cloth dipped in the vine-
gar, washing the cloth frequently in
vater to keep it clean. Vinegar will often removee shoe-blacking that has been

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save our customers about $\$$ roo.oo

The appearance of the Sherlock-Manning makes friends at the first glance. Every Sherlock Mannining and isb, at the first glan
tury Piano has
st, The famous Otto Higel Double Repeating 2nd, Po:Mmann WIre-the best Imported$3_{4 \text { th, }}$ Welrons, full-Iron plate- . money can buy. Action Flange-the flange Billings Brass Action Flange-the flange
that is impervious to weather condilions.

## The Sherlock-Manning Plano \& Organ Co. <br> London <br> (No street address necessary) Canada

| BREAD-BAKING HINT. <br> When bread or pastry is in danger of burning on top from too quick a fire, put a little cold water in a dripplingpan and set on the upper grate. <br> BEDBUGS. <br> One method of eradicating these pests is to treat one room at a time as follows: Seal up the room, stopping all cracks and keyholes. Put some sulphur in a deep pan, sprinkle with crude carbolic, light the mixture with some burning paper, and leave the place shut up for a week. <br> PERSPIRATION STAINS. <br> For removing perspiration stains from white silk, use peroxide of hydrogen. For colored silks, use a mixture of equal parts alcohol and chloroform. <br> Evening. <br> Still they toil on, fulfilling the day's work, <br> The plowman and his tired horses twain : <br> While, circling round, the clam'ring seamews lurk, <br> Or search fresh-furrowed earth in hope of gain. <br> High on the hill the horses rest at last, And silhouetted 'gainst the evening sky <br> I see their heads bent low with mein downcast, <br> Their weary master, silent, standing by. Afar the distant waters, burnished gold, Gleam in the radiance of the setting sun- <br> The autumn-tinted vale grows grey and cold ; <br> The toiler's work is o'er-the day is done. <br> The sea-mews one by one are taking flight, <br> I too turn home as evening fades to night. <br> -(Miss) Hilda M. Dowden. <br> Rockdale, Orwell Road; Rathgar, Dublin. | The Sawdust Man. <br> By Marion Wathen. <br> Muriel Ansley was not married, andshe was thirty-five. When her iriends teased her about it, she said; II am teased her about it, she said; I am had found him several times, but always happened to make a hole somewhere, and lound him stuffed with only sawdust. " But you'll fall in love with a sawdu man yet, just the same," said her friend, Mns. Ingles. <br> Well, there's one thing certain. I'm not going to be cheated out of a wedding tour, even if there isn't a man in can't have a bridegroom," was Muriel's laughing rejolinder. <br> Asd that very year she had it. It don't believe in all this talk about opposites'; to my mind, 'congenial epir- its ' have more attraction for each other -congenial spirits with just enough variety of temperament to make it interesting. So my bridegroom is going to be very person: she shall go with me on Sh honeymoon." <br> ust, on a driving tour through Prince Edward Island, in a top buggy-the top from shade from the sun and protection clear back to give them the full benefit of the beautiful air and sunshine. Their luggage consisted of a good-sized lunch and then just picnic in some lovely epot by the shore or by the roadside, and we'll stay over night just wherever we happen to be, or just wherever we can was a "grip" containing a few blouses sterious, old-fashioned "telescope valise." know, bunten of this Margaret did not satisfied with Muriel's, "My wedding presents, of course ! | Happy the bride the sun shines on !" gaily quoted Muriel, when, Just as the town clock was striking nine, they drove on to the Hillsborough bridge. <br> "' Ien't this grand !-those red banke and green fields, the white farmhouses, the blue sky and blue water. There I it just needed those white sails to make it perfect. Who would take a wedding tour to ' New York and other Amerioan citliem' wo think there is $n_{0}$ soil so beautiful as this 'terra-cotta'; it looks so lovely against the green grass," gushed Margaret. <br> " Our first stop will be Keppock. It'm not really on the road to anywhere, but that does not count on this trip. We'll take dinner on the beach. Marjorle smive has just raved about it ever since, so I'm curious to see what it's like. It's Jupt five miles from Charlottetown, you know, informed Muriel. informed Muriel, <br> kind of a rhyme about it whicbr she wae always quoting. The last verse was: <br> O the red cliffs, dear cliffs ! <br> For Bonny Doon why sigh, <br> When fairer far the Keppock banks, <br> On dear, wee - P. E. I. ?" <br> But Muriel interrupted her with, "Oh I What's that? Look-on the road ahead! I believe it's-oh, it's only a load of hay. I believe it's-oh, it's only a load of hay. I was almost sure it was an automobile, and our horse would be ready to run. But I forgot ; there's no danger of that here. It's really about the only place now that two women dare go on a driving tour alone. If things keep on we'll be really compelled to have real genuine bridegrooms; there are certain emergency cases where they are almost becoming an absolute necessity. But I do think It was plucky of the Prince Edward Islander to prohibit automobiles ; it showed they were not afraid of what the outside world would say. They know when they want a thing and when they don't, and that's |
| :---: | :---: | :---: |



ding presents," laughed Muriel, as sed-
made her way to the telescope valise and
began to tug at the straps of the same.
Then, to her friend's surprise, she tool Then, to her friend's surprise, she took
from it a gaily-painted rubber ball and bag or bright candy of the Christmas a tree style. These she gave, with the money for the strawberries, to the boy. And the boy opened his big, solemn
brown eyes in wonder and joy and admiration. "Golly ! are these for me?" .. gasped. For you "Sure ! For you very
aily responded the "" bride."
Then the the boy, waiting only to give one look at the donor-but such a look-took to his heels. along the shore and up through the
fields like a hunted deer " Well, you are the queerest! Is that the kind of weeding presents they all
are?" commented the amused "brideare ?" commented the amused "bride${ }^{\text {groom }}$
Yes, and they're lots more fun than
the other kind. And I hope to do this the other kind. And I hope to do this
kind of thing all allong our ' tour.' That valise is full of balls and books and
dolls and candy, and a few other thin dolls and candy, and a few other things
for the children that we are sure to meet on our way. Did you see the note tied
to the bag of candy? Well, there's one on each, asking whoever gets it to write how they liked the gitit. I iexpect there'll
be some of the letters waiting for me
when I when I get back home. I I tell you, this
is going to be one of the dand is going to be one of the dandiest wed-
ding trips you ever heard of-and not a
man to hother man to bother us."

The tiven The girls looked around, and saw, com-
ing down the wooden steps on the bankonly a little distance away, a number of young people, evidently a picnic party
from Charlottetown. ". There's not likely to be anyone there we know," said Muriel, and added, "so we won't mind them, for I know there's
a place over here where one can hire dear little row-boats-l'm just aching row. Come and let's see if we can find picnic party-some seated on tocks the some lying on the sand, but all laughing and talking gaily.
Muriel and Margaret had only pone little distance when they heard somebody Calling: Miss Ansley turned her head and saw following them two gentlemen from the picnic party. In a mooment she
recognized-one of her own sawdust men. Cecognized-one of her own sawdust men.
There was no help for it-they had to There was no help for it-they had to
wait. Introductions followed, Margaret
to the sawdust to the sawdust man, and the sawdust-
man's friend to the two ladies A few explanations were riven, somenow-Muriel says to this day and,
she doesn't quite know how-in a very short
time two little white row-boats were gliding out towards the haw horats. In
was Margaret ane Fiend; in the other was Muriel man's to return, and after a while the sawdust man began rowing hard. While they
were still within speaking tion pair in the other boat, he called out: " We are going to row to Charlottetown! (io back to Keppock, and stay with the
others till we-come." others anl little after four o'clock in the atternoon they came back. And this is ${ }^{\text {a }}$ what Muriel said to Margaret." ("Sas mind very much if-if I finished the yed ding trip with someone else? the wedding trip with someone else ? I guess,
atter all, it will be more fan it its 'real-
'y' And say1y.' And say-Margaret, $\mathrm{I}^{\prime} \mathrm{m}-\mathrm{I}$ ' m -mar
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## BARGAN SALE

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## News of the Week. <br> 

The preparation of appetising and The preparation of appetising and
nourishing ooo is oftenpe perplexing
matter but variety in food is essential matter but variety in food is essentia
and the tronbles of the horsewife have been greatly lessened by Bovril which been greatty lessened by Bovril which
is the emst convenient form in which a complete food can be prepared. In a
minute you can have comforting and minute you can have comforting and
nourishing bouillon or Bovril Tea. Bovril Santwiches, thin bread and butter with Bovril spread lightly
between, or hot buttered toast with iitte Bovril are positive delicacies Bovril is excellent for graveres and soup nd a little used in reteating meat ands
choice piquancy and improves







 $\mathbf{W}^{\text {ANTED-A Pea Hen. Aply: J. J. }}$ Mackan, St.


A magistrate was holding court in a Iittle town. One of the attending coun sel held against him an old grudge
While the justice was delivering and fon he was interrupted by the braying of a jackass without. "When or tice, full of suspicion that the untriendly attorney was putting up a job on him. "It it only the echo of the Court, your
honor," said the attorney, smiling. tice resumed his delivery. Soon, how ever, the attorney interposed with tech nical object
again. "Hostice; "one at retorted the retaliatin

The cyclone which devastated a large portion of Regina last wekk, also swept

over | over a $\begin{array}{l}\text { atri } \\ \text { miles } \\ \text { long. }\end{array}$ |
| :--- |

Nellon covernment has deciced apon For Bay Railway trom Lo Pas

The Dominion Government will give \$30,000 towards the Regina reliet fund, and $\$ 10,000$ to Chicoutimi.

The Prince of Wales recently celebrated his eighteenth birthday, thus attaining
his legal majority.

Woodrow Wilson, Democrat, will op-
pose Taft as
as
Republican leader in the pose Taft as Republican leader in the
contest for the Presidency.

Mise Harriet Quimby, the first woman aviator of America, met death by a
plunge of her aeroplane near Boston, July 1st. On July 2nd, five men, including the inventor, were killed by the
bursting of the balloon of Vaniman's bursting of the balloon of
dirigible airship at Atlantic City

The famous trial of the Camorrists in Italy, which has lasted tor 554 days, came to an end last week.

Disarming the Gods. How Chinese, Japaneese and Hindo Boys
Prepare
for school Lito. Among the eastern nations the begirning of school life is a critical timo for
the child. The priest or astrologer must the child. The priest or astrologer must
be consulted to choose
a lucky
day. Ever procaution muet be taken to avert the jealousy of the godis, whose malice is
especially directed against a fine boy. The Chinese father, who adoras his son,
will take the utmost pains to oonvinces the powers of the oir that the oonvinco no account. The child may be given a
deapicable name,
like deepicable name, like fea or chutze,
pigi, or, more insulting still, he may be Pigi or, more insulting still, he may be
given abirls name. The boy may be
started oft to school wearing started of to schoot wearing a girr's
dress and one earring, and it the decop dress and one earring, and it the decep-
tion is complete this will be the most tion is complete this will be the most
effectual of ofll, for even the gode do not care for girls in China.
The Japanese schoolboy wears hanging
 ents' name and address upon it.
must have his paper umbrella and his fan, and in a grap bag upor his arm is
a jar of rice for bis luncheon a jar of rice for his luncheon. This
auaint ititle follow has probably mado his oflering at hif own private shrino to
Tenifinaen, the god of penmanship. When the Hindoo boy has found an taken to the god of learning. Sarnovati Here the olt goa oupplicant presents his
offeringe of rice sand bete orferings of rice and betel nuts and ro
peats the leters of the alphabet after the priest. Thus he is entered into the ways of knowledge in the very presence

## Clover-Patch Philosophy

 An angry wasp and a busy beMet once on a cloverhead
The bee at his work hiummed merrily.
While the wasp "Why is it wasp with anger said: Act kindlier tar by you? use my sting if they're in
But that is my right Bout do the same rightul You do the same, yet they use you well
But ankance at me they Then the wasp waxed wroth and waved
his wing Trill the head of clover shook.
 Then paused a moment, and archly, said:
"I pive more honey than sting."
Jean S Wower, in the Co

Write for this Booklet and samples of "HARAB ANIMAL FOODS"

## FACTS <br> farmers <br> FEEDERS

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FOR FEEDING HOGS

ANIMAL FOODS

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\text { Arrive Re Sina, } & 7.00 \mathrm{pa} .
\end{array}
$$ Saskatoon, $7.00 \mathrm{a} . \mathrm{m}$. $\begin{array}{ll}\text { Edmaton, } & \begin{array}{l}8.00 \mathrm{am} \\ \text { Ed. } \\ 9.00 \\ \mathrm{p} . \mathrm{m} .\end{array}\end{array}$ Ask any Grand Trunk Agent for full

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1
he mavis still doth sweetly sing The bonnie Earn's winding still. he auld euld hoose is awa'. Deserted tho' ye be auld hoose, There ne'e can be a new hoose
Will seem sae tair to me

Sill flourishing the auld pear tree
The bairnies liked to The bairnies liked to seop
And on $r$ how otten did they speir
When ripe they When ripe they $\mathrm{a}^{\prime}$ wad be?
The voices sweet, the wee bit feet, Ahe rinnin' here and there ; The merry shout, oh 1 whiles we greet
To think weill hear nae mair.
or they ${ }^{\text {as }}$ wide are scatter'd noo
Some to the Indies
gater And ane, alas ! to her lany hame Not here we'll meot agnin hame The kirkyard, the kirkyard
Wi' fowers ${ }^{\text {on }}$ every Is sheltered by thery hue;
And the dark
the shade The setting sun, the setting sun
How glorious it How glorious it gaed doun 1
Che cloudry To cloudy splendour raised our hearts oo auld dial, the aboon !

Juth 11, 1912
The Scarlet Pimpernel
a story of adventure
By Baroness Orczy.
(Serial rights secured by
By permission of G. P. Putnam's Sons.
(Continued from last week.)
chapter xxix
Trapped.
She did not know how long she was thus carried along; she had lost all no seconds tired nature, mercifully, deprived er of consciousness.
When she once more realized her stato, de telt that she was placed with some degree or comr
with her back resting against a fragment of rock. The moon was hidden agaln seemed in comparison more intense. The sea was roaring some two hundred feet
below her, and on looking all round she could no longer see any vestige of the tiny glimmer of red light.
That the end of the journey had been reached, she gathered from the fact that spoken in a whisper quite close to "There are four men in there to her. the are sitting by the fire, and seem to
be waiting quietly
The hour ?"
Nearly two
The tide ?"
Coming in qu
Obviously an English one, Iying some
her boat.
Have the men taken cover
Yes, citoyen.'
They will not blunder ?
"They will not stir until the tall round and overpower the five will," surRight. And the lady

She's close be
side you, citoyen.
.,
-He's gagged, and his legs strapped together. He cannot move or scream. "Good. Then have your gun ready,
in case you want it.
Get close to the the Deagas evidently oboyed, tor marguerite
heard him creening heard him creeping away along the stony
clif, then she felt that a pair of warm, thin, talon-like hands aok hold of both
her own and held them in a grip o steel. Ther is removed trom your pretty mouth, fair lady,'
whispered Chauvelin close to her ear,
 word of warning. What has procured
me the honour of being tollowed across the Channel by so charming a companion
1 cannot, of course, conceive, but, if 1 mistake not, the purpose of this Alattor-
ing attention is not one that would commend itself to my vanity, and I think
that I
am right in surmising, moreover that I am right in surmising, moreover,
that the first sound which your pretty iips would utter, as soon as the crue
gag is removed, would be one that would perhap spover, a worring to the cunning
tox, whito $I$ have been at such pains to track to his lair.", like prasp seomed to tighten round her "rist ; then he resumed in the same hur-
rind whisper :Inside that hut, it again I amm not
itaken, your brother, Aruand
St Th:st, writs with that tratior do tour

 anots are fircd, it is more han likels
t the same long loess that trought


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|  |  |

An Englishman and an Irishman made the which could swim the longest. O to dhe of the race the Irishman camo to the shore in a bathing suit and man asked him what he had in the bag. "Provisions for three days," coolly "The bet's of
as he of,", said the Englishman, as few days later he heard that Paddy A fow days ater he heard that Paddy
couldn't swim a stroke.

BULLETIN 33






## We Want to Send You <br> 72 SAMPLES $\begin{gathered}\text { Catesbys' Genuine } \\ \text { English Suitings }\end{gathered}$ FREE

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vith what you are now wearing-compare prices, to -read what mur what vour are now waring-compare prices too-read what
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Better-Wearing Clothes For Half What YOU Pay YOUR Clothier Suits that Catesbys. Itd. make to measure for 810 and 812
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imple ell-mesuruement torm, send your order to tondon, and thave the finsteded suit deliivered to you ( aill shipping charges
${\underset{c}{\text { Write todar }} \text { to }}_{\substack{\text { Dopt }}}$ CASBTS Ltd. 119 West Wellington St., TORONTO, or CORNER BISHOP NND STF CATHERNE STREET, MONTTEAL o



Donit EatThemALL,Grandpa!"
It's no wonder Maple Buds taste good, and it's no wonder mothers everywhere are encouraging the little folks to spend their pennies for them. Maple Buds are nothing more than the best of chocolate, pure milk and sugar-things the doctor would recommend to build up a sickly child. The most delicate child can digest them. The distinctive flavor of Maple Buds is entirely due to the use of only the best chocolate. The fine velvety texture comes from grinding and grinding through innumerable steel rollers.
cowan's MAPLE BUDS

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Unless They're COWAN'S
$\qquad$


THE SUPERIOR WAY
wian
tuke him to some place of sataty

 rests with yoursel that your broth
Armand shal bo tree to bo on toni Armana-shall be tree to go or to-n.
it you like to England, or any uttor a soond. the hanaderechiet was wound very tign round her mouth, but chavvily
perring thrount the darkness yery
 gave a responive appeal to his last gestion, tor presestiy ho contimued:
 dear lady," It $\eta$ " Marguerit's hand seemed to convey to das, in in responeo. Tor remain-in this spot, without ut
tering $a$ sound, until $T$ Sive you leave to Cormin sound unt thive your leave to

 ot me tell you that it you scream, nay
in
you uttor one sound, or attompt to


 sour foes.
yur
Marcuerite
 derro. Numbed with hysyican oreosing yot had sumbient mental vitality, pin her Lo reatizo the tull horror of this terrible
Ueither-ori" he was once more putber betoro her; an "either-or" ton thousang times more appaliing and horrible, than the one he had sugzestod to her that this tim onant that the teep still, and allow the husband she she woratipped to walk uncooseciously to his doath, or that ohe should, by trying to
give him a mord of warning, whion pert
 laps migat oven be uanailings, actually
sive the igknal tor her own brothers, death, and that of three other unsuspecect
ing men.
 his fixed maliciously upon her helpless Corm, and his hurried, whispered words reached her ear, as the death-knell of her
last faint, lingering hope. "Nay, fair lady," he added urbanely, save in St. Just, and all you need do are, and to keep silent. My men have strict orders to spare him in every way As for that enigmatic Scarlet Pimpernel, What is the to you? Believe me, no
warning from you could possibly warning from you could possibly save
him. And now, dear lady, let me remove this unpleasant coercion, which has
been placed before your pretty mouth. Yeen placed before your pretty mouth.
You see, Ish you to be perlectly free
in the choice which you are ebout to Her thoughts in a whirl, her temples
aching, her nerves numb with nerves paralyzed, her body in the darkness which surrounded her as with a pall. From where she sat she
could not see the sea. but she herd incessant mourntul murmur of the ineoming tide, which spoke of her dead hopes. her own hand betrayed, and she had with Chauvelin ren from her mouth. She certainly did no scream: at that moment she had no
strength to do anything strength to do anything but barely to
hold herself upright, and to force herself to think. should do. The minutes flew on ; in fast awful stillness she could not tell how
thow slowly ; she heard nothing she saw nothing : she did not feel the
sweet-smelling the briny odour of the sea; she no wo with heard the murmur of the waves, the oc
casional rattlint astonal rattling of a pebble, as it it rolled
down some steep incline. More and
toore unrcal

## GOVERNMENT EXPERT

Chooses SHARPLES Tubular
Cream Separators for His Three Farms


Like other shrewd farmers, Mr. Anson Groh, widely known agricultural lecturer employed by the Government, knows the money to be made in dairying. He
has succeeded because he knows profit is of far greater importance than first cost. Mr. Groh is seen sitting in this picture, with his family and assistants, before his country home. Like others making most money from dairying, Mr. Groh selected the Tubular in preference to all others because the Dairy Tubular contarators, skims faster and twice as clean, and pays a profit no other can pay. Mr. Groh says



Now you understand why owners of other separators are discarding their
machines by carloads for fubulars. Follow the example of Mr. Groh and machines by carloads for 4 ubulars. Follow the example of Mr. Groh and the many others who have succeeded. Buy a Tubular
ble skimming force, easy cleaning, and all the profits.


$$
\begin{aligned}
& \text { by askIng for Cat- Winnipeg, Man } \\
& \text { alog } 193
\end{aligned}
$$

## GRAHAM \& RENFREW COMPANY

 CLYDESDALES AND HACKNEYSOur minnings at all shows are your gurantee that whatever you buy from us will be the beat in
the land. You cannot afford to buy without first sceing our importations. Address all correspondence to Bedford Park P.O., Ont. Telegrams to Toronto. Telephone North 4483, Toronto.

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$\alpha$CLYDES, SHIRES, PERCHERONS
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 soll ang man in the bueanoces.


(n)Mount Victoria Stock Farm, Hudson Heights, P. Q.

 John A. Boa\& \& Son, Bay View Farm, Queensville, Ont
 On the Toran My fall importation, which will be the largest yet made by me, will be personally selected, will arrive
ast week in September. Goood colorse heany bone. best of pedigrees
D. McEach ran. CLYDESDALES (Imported) CLYDESDALES SPRING HILL Top
with
stallions,
E



 vanced? Once or twice the screams rose
to her throat-as if by instinct: then,
before her eyes there stood the awful alternative: : her brorther and those three
men shot before her eyes, practically by men shot before her eyes, practically by
her orders : she their murderer.
Oh! that fiend in human shape, next to her, knew human-female-nature well.
He had played upon her feelings as a $\begin{array}{ll}\text { skilful } & \text { musician plays upon an instru- } \\ \text { nent. } & \text { He had gauged her very thoughts }\end{array}$ to a nicety.
She could not give that signal-for she was weak, and she was a woman. How
could she deliberately order Armand to be shot before her eyes, to have his dear
blood upon her head, he dying perhaps with a curse on her, upon his lips. And ittle Suzanne's father, too! he, an old
man! and the others! -oh! it was too, too horrible.
Wait! wait ! wa
early morning hours sped on, and yet it was not dawn : the sea continued its in-
cassant mournful murmur. the autumna cossant mournful murmur, the autumnal
breeze sighed gently in the night: the
lonely beach was silent, even as the Suddenly Mrom somewhere, not very far away, a cheerful, strong voice
singing, "God save the King!" (To be continued.)

QUESTIONS AND ANSWERS

 and must be acoompaniled by the full name and
address ot the writer.
ard.-T0 To Veterinary
questions the symptomis
 4th. When a reply by mail is required to
uggent veterinary or legal enquiries, $\$ 1.00$ must
be enclosed.

Miscellaneous.
POULTRY HOUSE
building a henhouse with gable roof for fifty hens, in two flocks, one with all modern improvements and inex-
pensive. If I wanted an earthen floor, how would it be built to make perfectly dry, and would it cost more than a
board floor, and which would you preboard floor, and which would you pre
fer ? poultry houses to meet the needs of the
a recommended by Prof. W. R. Graham, O. A. C., Guelph, Ont. This house, for
100 hens, is built $20 \times 20$ feet, with an open front facing the south. The south
side is 3 feet high, with a board along the bottom, and 2 feet of wire netting.
The back is 4 feet 6 inches high and the gable 7 feet high. The door is in the anst end, and a large window is placed
in the west end, 4 feet by 5 feet. Hinged


Baor. Place the building on dry ground


An old North Countryman visiting Lon-

$\qquad$



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--The Understudy of the Sun--

The Fire-pot of the "Sunshine" is made of Semi-Steel -rdinary furn ace is made of Grey Iron. Here's the ference - De structive sul. phur fumes penetrate Grey Iron easily because it is porous. Semisteel is not porous-lt is a close-grained material with a smooth surface secretly processed by McClary's. Gas fumes cannot penetrate Semi-Steel therefore it lasts longer. The "Sunshine" Firegether with our famous cup joint. The shape of this joint, combined with a layer of McClary's asbestos cement, makes it absolutely gas, smoke and dust-proof.
Clearly, the "Sunshine" is the premier furnace as far as the Fire-pot is concerned.
The Grates of the "Sunshine" Furnace have three sides each. Plainly, they have three times the endurance of one-sided grates. Every time you rock down the a fresh side sunshine you can expose heat of the fire-lengthen the life of the grates.

And the short, sirong teeth of "Sun

And the short, sirong teeth of "Sunshine" "grates simply grind up clinkers. he as grate construction is the best as Shaking an ordinary furnace is hard, back-breaking labor., You don't need to shake the "Sunshine"-you simply rock

## LONDON TORONTO VANCOUVER <br> ST. JOHN, N. B <br> MCClarys

MONTREAL WINNIPEG HAMILTON CALGARY
it and the ashes drop into the ash-pan. A child can easily rock the grates of a sunshine - merely "another "reason why you should buy "Sunshine" Furn-

Ordinary furnaces are called coal gluttons. There may be good reasons for built the "Sunshine". Furnace so that it is very easy on coal. Hundreds of people now using the "Sunshine," and having used ordinary furnaces, declare that the "Sunshine" makes two tons of coal "Sunshine" Furnace saves coal and money.

The ordinary furnace has a water-pan hidden somewhere about the base. There, it cannot carry out the purpose for which the water-pan was devised. The water-pan of the "Sunshine" Furnace is placed scientifically above the

radiator near the dome-the heat laps up the water, before being diffused all ver the house. It contains the same balmy June day. Plainly, as far as the water-pan is concerned, the "Sunshine" is the furnace you should buy.
There are many more reasons why you should invest your money in "The Understudy of the Sun"-McClary's "Sunagent and ask him to show you all the mechanical reasons and exclusive devices which go to make the "Sunshine" the best and therefore the cheapest furnace you can buy. Write us at our earest address if you cannot get in ouch with him.

THE SPICE OF LIFE
saw through them
In a recent election in a little town dates for city narshal received only five
votes out of somo five hundred cast votes out of some five hundred cast. Ho
took his defeat very much to heart. and took his defeat very much to heart, an
had many bitter things to say of "political" ring that he claimed had who was sympathizives with Thim he frien burdened himselt. "They think 1 ain nue. They didn't waut tue to be city Joke-seller-Did you receive my letter and that batch of jok
Editor-I received then

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2, waymand
SMITH \& RICHARDSON, Columbus P.O., Ont

high-class Ayrshire catte, St. Lowis star.
tion, Que.. has just landed from Scotland
with nineteen hed with nineteen hend of fne Ayrshires. In
the lot is the champion two-year-uld heifer of Scothand. This heifer was lured and exhibited by Thomas Bair, of Hobs-
land. She is in calr to Masterpiece, a bull recently imported by R. R. Ness,
Howick, Que., and still in quarantine The importation is a good one.

Hickman \& Scruby, exporters of pectigree stock, Court Lodge, Egerton, Kent,
Eng, report trade with them exceedingly Eng, report trade with them exceedingly
goo. They have done far more horse
Susines than ever heoter Bisiness than ever before. Late shi
ments have been sent to most parts
lorth Americh, North America, and a severth consign
ment is about to be shipped to an ol customer who is kno
by correspondence. hy correspondence. This speaks well for
he manner in which they flil their mail
rders. Satisfaction to all is the motto of Hickman \& Scruby. If interested in
livestock importing, give them a chanci. John Miller, importer and breeder of
Scotch Shorthorns, Shropshire and Cots-
 ing change for advertisement, says:
have sold all the young bulls advertised in your paper. I have a fine lot coming on for next winter, all sired by Upper-
mill Omega.
One extra good Sent mill Omega. One extra good September
call, from a
anvender dam, that some feeder should have that wants to show
 there is a dozen yearling rams in the
lot, think any breeder in want of a good
flock-hender sherd flock-header should see then. 1 I noever
was in better shape
to
supply
good home bred rams and eves, apply a aod
lot of lambs of both orreeds.
sensational jersey sales. At the tourth annual sale of Jerseys,
by w. R. Spann, at Shelbyville, Ken tucky, May 27 th, 9 head were reperted
sold tor an average of $\$ 372$, the higheott sold tor an average of $\$ 3722$, the highest
price being $\$ 5,100$, for the five year-old
 Undulatta Farm. The top price for
temale was $\$ 1,075$, for Noble's Financial
 The yearling heifer, Noble's Eminen
Nelly, was allso taken by Elmendort Farm at $\$ 1,000$ The Jersey Bulletin sams:
When the sale of Fontainest Chiel Hen the sale of Fontaine's Chief was
nearly closed, a mail bidder from Canad nearly closed a mail bidder trom Canada
nhrew his hat in the ring" and torced
the anent of Unduti the agent of Undulatta to pay 85,100
tor him. At the annual sale from the herd of on May $30 \mathrm{th}, 162$ head sold for an
average of $\$ 490$, despite very unfavorable Wenther and following the Spann sale.
Flmendert taking 21 hani, was the largest buyer,
tat a cost of $\$ 14,610$
or an nveruse , act or an average of $\$ 695.71$. The highes
price for a cow was $\$ 3,200$, for the five



 TRADE TOPIC.
Help is one of the problems of the
the Heller-Aller Company, of Windsor, Ont., manutacturers of ball-
bearing wind-engines, galvanized
steel

 temi, have just iscted with a water sys-
logher general cata-
 mine of nearly 300 pratea, indexed
memuranda
in the
back. his hass come a a sim luack bookloteng "Water
$\qquad$


ULY 11, 1912
THE FARMER'S ADVOCATE.

## Gure That Lame Horse Without Risking A Penny

 Wo Take AII The Risk, And Protect You With A $\$ 1000$ Guarantee Bond

 madendit to ourat once
It means money to you to relieve your horse of its misery at
once. Ask us-and you will get the best and most reliable diagnosis absolutely free. All you have to do is to fill out the Free Diagnosis Conpon, mark just where your borse has a awelling, sore or any ond


QUESTIONS AND ANSWERS Veterinary.

## LUMPS ON ABDOMEN

 but is still quite large, and another has Yormed beside it. They are hard, and
tender to the touch. Is her milk fit for use? W. B. C. A personal examination whether these are abscesses or tumors. If the former,
they should be lanced, and the cavity they should be lanced, and the cavity flushed out three times daily until healed acid. If the latter, they could be dis sected out. It would be wise to employ
a veterinarian to operate. The milk is a veterinarian to operate. The milk is
not likely to be affected. It is not possible to tell what causes them.

PARTIAL DISLOCATION. The fetlock joint of a yearling colt

becomes partially dislocated and snaps back again at every step. Also the | $\begin{array}{l}\text { muscles about the hip joint are shrink- } \\ \text { J. B. } \\ \text { ing. } \\ \text { Ans.-Get a blister made of } 1 \ddagger \text { drams }\end{array}$ |
| :--- | Ans.-Get a blister made of 1 f drams

each of biniodide of mercury and cantha-
rides mixed with 2 ounces vaseline. Clip the hair off enl around the joint. $\begin{aligned} & \text { Tie } \\ & \text { so that he cannot bite the parts. } \\ & \text { Rub }\end{aligned}$ well with the blister once daily for two
days. On the third day apply sweet oil and turn him in a loose box, or in in mall
field, and oil every day. As soon as the scale comes off, blister again, and after
this blister once every month until the joint becomes strong. Also blister the
hip monthly until the muscles fill hip monthly until the muscles fil
again.
Mare foaled on June 2nd and became
partially paralyzed. We sent for our partiaing paraiyzed treated her ard left
veterina wo
treatment for her, and said he thought she would be her, and right in a he thought a ouple of
weeks. She has not yet full control weeks. She has not yet full control of
her hind legs, and she wobbles when she
walks, and the muscles of her hips are walks, and the muscles of her hips are
shrinking. Would it be wise to breed
mer Ans.-It is not possible for a veteri-
narian to tell just how long it will take for a cure to be effected in such cases, or
if a perfect cure will ever result. It is if a perfect cure will ever result. It is
quite probable if you consulted your vet-
erinarian again he would advise the aderinarian again he would advise the ad-
ministration of 2 drams nux vomica
three times daily, and if the muscles three times daily, and if the muscles
have not filled out again in a few
months to blister them. I think it would be all right to breed her again it
she is strong enough to stand service. v.
$\qquad$
Miscellaneous
HAY-STACKING DERRICK. Could you get me some
about a hay information
I tripod derrick thirty feet high, and
have heard of a beam or pole suspend by the center and a hay-fork attached
to one end and a rope to the other, and
running through a pulley at bottom of
derrick leg, it acts like a crane for unloading hay, etc., from wagon to
stack.
A SUBSCRIBER. Ans.-We have never seen such a der-
rick, but it looks as though it might work. As you have the derrick, it
would not be very much trouble to try
it. Readers who have had experience with this particular device will confer a
favor by communicating it for public In one of the large cities a primary teacher was one day instructing her
class in the composition of sentences.
She wrote two sentences on the blackboard, one a misstatement of fact, and
the other wrong trammatically. The
Then the other wrong grammatically. The
sentences were: The hen has three leyss" and "Who done it?"
"Willie," she said to one of the youngsters, "go to the board and show where
the fault lies in those two sentences." 'Willie slowly approached the board,
evidently studying hard. Then he took


HOUSE FLIES
are hatched in manure and revel in
filth. Scientists have discovered that they are largely responsible fo Diphtheria, Dysentery, Infantile Diseases of the Bowels, etc
Every packet of

## WILSON's FLY PADS

will kill more flies than 300 sheets of sticky paper.


Messrs. Hickman \& Scruby Court lodge, egerton, kent, eng. Live Stock of all Descriptions

 WOTIOE TO HOREE IMPORTERO GERALD POWELL
Commiesion Agont and Interproter
Mosemt Lo Rotrou Frames will moot importiorr at any port in Frace or Bob

 Balmedle Aberdeen-Angus Iamof tor ale young bulls and heiffrs of the highedertipe
of the brod. Show stock in show condition
 Aberdeen-Angus - A fow bulle to noll yet Walter Hall, Washington, Ont 1854 Maple Lodge Stock Farm 1912 Have some SHORTHORN HEIFERS two yearn
old from cows giving so pounde mille per day, and Grand young LEICESTERS from imp. Wooler of
Sandy Knowe, champion at Toronto, and imp A. W. SMITH, MAPLE LODGE, ONTARIO "The Manor" Scotch Shorthorns
 J. T. GIBSON, DENFIELD, ONTARIO Shorthorns of Show Calibre At prosent one nice red bull 12 months old
(of the Beilona family for ale at totw
Heifers of breeding ase all sold. Geo,Gler \& Son, Grand Valley,Ont. 3PRING VALLEY SHORTHORNS
 Tho lomer, ore of top boots Sootcth f Prililen, Youg
 EYLB BROS. Ayr, Oatarle OAKLAND SHORTHORNE
 gurpose dams, and sired by our champion Scotct
Grey bull 7262 . Visitiors find things as represented. JOHN KLDER al SON, HENSALL, ONTARI At the wedding reception the young man remarked: "Wasn't it annoying the
way that baby cried during the whole "It was simply dreadful," replied the get married I'm going to have engraved
right in the corner of the invitations
'


## Are Sweeping the Silo Field

 Orders and inquiries are coming in faster than ever before Canadian dairymen are coming to realize the advantages of how much better the just Green Feed Silo is than an other make.

Here are some of the points of superiority which make these
Silos so popular. Silos so popular
Material: Canadian Spruce espec
ially selected for our own use for our own use. All umber is saturated with a solu
tion which prevents rot and decay and reduces the tendency of the
staves to swell or shrink and adds staves to swell or shrink and adds
two or three times to the life of the Silo. Hooped with heavy round iron
hoops every 30 inches apart Only malleable iron lugs are used. All doors on the Ideal Green Feed Silos are self-sealing.
Doors are only 6 inches apart, can
be removed instantly and are albe removed instantly and are al-
ways air tight. The roof is selfsupporting ; built without rafters.
Dormer window facilitates filling
Silo clear to the top. All sizes Silo clear
furnished.

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De Laval Dairy Supply Co, Ltd, MARGEST AND OLDEST SILO 173 WIlllam Street, MONTREAL 14 Princess Street, WIANIPEG


Lump Rock Salt, 10.00 for ton lots. F.o.b. Toronto
 WILLOW BANK STOCK FARM Shorthorins and Leicesters
 Herd established 1855 , flock
1848, have a special good lot
Shorthorns of either sex to offer
 JAMES DOUGLIS
Calter.
Cantarlo Shorthorns and Swine-Am now offering heiterst safe in calt, and some choice young bulls to
the fall trade; also
artshire and Yorkshire pigs isfael groff, Elmira ome.
oUESTIONS AND ANSWEDS Miscellaneous.

1. Can cow
the treatment the treatment 2. Many cows here have trouble re sembling cow pox. Appears during Jul.
and August, and very sorea and August, and very sore: spreads to
amout all of the cows in the herd, the
no mone about all of the cows in the herd, then
no more trouble for another year. Pim-
ples

 such cows is not it for tood. Is that
generaly accepted, as it would be
serious matiter ber. serious matter here?
Ans. 1,2 and 3 . The trouble is is likely
cow pox, which is an intections cow pox, which is an infectious diseas
and may be conveyed from one cow tom
cow and may
another
This exp herd explains why all the cows in the
tends the ailing the same miker at tends the ailing and the healthy cows
Infected cows should be milked by on
person. person, and he should not milk healthy
cows, at least until he has thoroughly
disinfected his disinfected his hands. This disease ger
erally takes two or three weeks to ru its cour
lumps a
the sore bores with an ointments. made of
boracic acid 4 drams, carbolic acid 20
drons and drops, vaseline 2 ounces, mixed. The
milk in a bad case should not he TURKEYS DIE I had fifty turkeys this year hatched
out in good health and vigor. about four weeks old they began to die
I fed clean water to drink with a few drops
of carbolic acid in it every time of carbolic acid in it every time I fed
them. They seemed to have diarrhea Is there any cure? If so, let me know
as soon as possible. I greased them with lard and sulphur, so they were free
from lice. Would you pleaser from lice. Would you please let me
kinow what my turkeys died with, and to chuse of it,
to change the leed

## to change certainly would be advisable toed. omit the carbolic

 Ened, but not made sloppy, with some some quantities our or five times in smallfater in a seep
water inarate trougb sour milk to drink. About one-fith of the ration should be green feed in the Never overfeed. Keep trousha up fine ously clean. Examine tron thise , and it
otill troulled, use insect powder and mote The diarthea may be caused by bunning m the cold, damp grass. Feeding a few
old bread crumbs and hard-boiled egss is often erfectual in checking it

Veterinary
SCROTAL HERNIA
Four - weeks - old colt has a rupture
richt beside the sheath. right beside the sheath. I have ban-
daged without success.
Ans. - This is called scrotal hernin. Mind it is.-This is called scrotal hernia, an
goossible to to bandage to do an
go the rupture is good. If the rupture is gradually it
creasing in size, it will be necessary
operate at once, but if it is not becomin it will disappear hefore he is a yearo old
but sometimes they do not disappea
until the second year, ind sometimes INFECTIOUS OPHTHALMIA 10

Ahe - - hiss is an intections disense
excluded trom drate the disusted and strons sundeen
the the wes, well three times dolt


| This is a good time, and i have a good place, to get a mgh-class SCOTOH SHORTHORNBULLAOALF <br>  DALE FILLY, such as I can send you, is one of the best things any man can buy. Just write me and $R O B E R T M / L L E R, S T O U F F V I L L E O N O T A R I O$ |  |
| :---: | :---: |
| Scotch Shorthorn Females for Sale ${ }^{\text {I am offering at very rea- }}$ trom one year to five years of age. The youngsters are by my grande prices, temales Sot ish Hero (imp.) $=55042=(90065$ ), and the older ones have my grand old stock at bull, amongst them. A. EDWARD MEYER, Box 378, GUEI PH. ONT. are show animaisand |  |
| IMPORTED BULL FOR SALE 'letcher's Shorthorns-(Imp.) Spectator $=50094=$, and choise heiters for sale $\qquad$ | Balaphorene ${ }_{\text {C. }}^{\text {A. J. }}$ Jerseys ${ }_{\text {tion stock, }}^{- \text {Founda- }}$ St. Lambert. Coomassie, Combination ; stock from a grandson of Bim of Ientonia; a also a grandson of the great Blue Blood of IVentonia, for sale. W. Havelock. Peterbs, $\$ 1$ per 13. Joseph Seabrook, |
|  |  |

Brampton Jerseys $=\sqrt{4} 5$
SHARPLES MEGHANICAL MIIKER in operation on farm of $\mathbf{s}$. Ves
You can now install the Sh arples Me chanical Milker with the same assurance of satisfaction
you would feel if you bought a Sharples 1 lubular eeparator. We stand squarely back of buth machines and guarantee complete antisf sfaction to the user. The Sharples Mecha ical Milker is
our latest and greatest contribution to the science of dariving. You will marvel at its simplicits
 wilbe astoni hed by the remarkabe ease with which one man can milk 45 cows in a
slngle hour, and by the thoroughness with which the work is done.
"The Teat Cup with the Upward Squeeze

 Sharples "Teat Cups,", after each sucticn stroke, squeze the teats (by compressed air) from
the poits upard, crowding back the blood into general circulation, thus preventing all
swelliog fever and teat congection
Write for Catalogue M $\begin{aligned} & \text { Se for yourself how the Sharples Mec hanical } \\ & \text { Milker uill add } \$ 300 \text { to } \$ 150 \\ & \$ 100 \text { extra to jour }\end{aligned}$ THE SHARPLES SEPARATOR COMPANY, wEst chester

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Shorthorn Bulls and Clydesdale Mares till, come and see them. We have you young bulls, from 8 to 14 months old, of good breeding and quality. We also have four imported Clydesdale mares, safe in foal W. G. PETTIT \& SONS, Freeman, Ontario


## 

## SUFFERED WITH

## LAME BACK

## WAS NOT ABLE TO

 STRAIGHTEN UPMr. C. Grace, Hamilton, Ont., writes: "I was suffering with lame back, and for two weeks was not able to straighten up to walk, and hardly able to sit down for the pains in my back, hips and legs. I had used different kinds of pills, plasters, iniments and medicines, without any relief. One day there was a B.B.B. book Zidney Pills, and I decided to try them Before I had half a box used I felt them. Before better, and by the time I had used two boxes I was cured. I have no hesitation in recommending Doan's Kidney illness arising from diseased kidneys. $\$ 1.25$, at all dealers, or will be mailed Mrect on receipt of price by The T. When ordering direct, specify "Doan's."
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Cattle and Horses
and allows cows to feed in peace, making
More Milk and More Money for you.
A clean, harmless liquid preparation an.
 TRIAL OFFER
 prepeid to your add
halfgellon can of
EASEE and SPRAYE
applying. For West


if What $\begin{gathered}\text { Purbered Rosineored } \\ \text { Holstein Cattle }\end{gathered}$
Holstein Cattle
 FREE Illustrated descriptive bod E.L. Houghton, Secis, Box 127, Brathbore, V.

- iosideins of curalty Write us to-day for our proposition, telling
you how any good dairyman may own a registered Holstein bull from a Reocond of-Performance cow without investiag a
ent for him. Monro $\&$ Lawless, ${ }^{\circ} \mathrm{Elom}$ dale Farm," Thorold, Ont.
The Maples Holstein Herd offers a splendid lot of bull calves, all sired by Prince
Aaggie Mechthilde and all from record of merit dams.

WALBURN RIVERS,


Maple Grove Holsteins Herd headed Hengerveld, the greatest 30 lbs . back butter-bred
wull of the treed in this country. For stock of this H. BOLLERT, Tavistock, R.R No 5. Ontario Maple Line Holsteins and Yorkshires-
 When Writing MantionAdvocate

QUESTIONS AND ANSWERS Miscellaneous.
rule of the road. If aou are driving along the road with
anf o load on and you catch up to an-
ther wagon that is empty and you want

asking when he knows you wa .
 ne ahead is going, turn out to the left
and the driver in the lead is obliged t.
bive youn

BLADDER CAMPION-ORANGE
Identify the two specimens of weed
nclosed. They were tound growing it
neadow.
Ans.-No. 1 is is badder campion (Silene
atifolia).
The stems of this weed mooth, have white flowers nearly inch across, which have a ine toothed
infated calys, resembling a small blad
der. It is a
noxious peremnial weed
aving running rootstoks, and durin
lecent years has been widely distriurte
The remedy is to cut clover is whibich
s very early, and then plow the lan
and

on land polluted with this weed.
hort rotation or copps to suppress it
hust allow of deen
must allow of deep and thorough cultiva-
tion each spring before seeding. Cut-
ing crops for green fed is a help.
flean, thorough cultivation, is the best
remedy.
No. 2 is orange hawkwed (Hieracium
urantiacum), alow-growing perennia
vith creeping, very hairy, milky-sappe
ranches. Erect fowering stems run up
rangered fowers in heads about an inch
asture fields. Wed is orot oten found
artace, end in the the
artace,
low
lowing down, followed by surface culti-
ation, will kill it
eadows and place under a rotation o
rops. Salt applied to small patches in
LIGHTNING RODS.
Could you give us any information
about lightning rods for buildings? All gents of rods suy they are a grand

hing, but we have only their word for | it, and would like to hear from some |
| :--- |
| $\begin{array}{l}\text { person who knows. } \\ \text { W. H. S. }\end{array}$ | Ans.-Lightning rods are a protection I erected. On all bars over 40 fee

n length, we recommend that rods b
n lom
un down the gables and into the groun the ground deep enough to read Roisture at all seasons of the year hould be down at least five to seve
cet, and sometimes more. Itome-mad
ads may be made of strands ot wire rods may be made of strands of wire
wisted together by fastening the end
the wires to the suakes wheel. Attach the other ends to
stake driven into the ground at the righ stunce and for a six-inch shrinkage per 10 e ground as it for greasing. Brac
GLENHURST AYRSHIRES blished over 50 years ago, and ever since kept up to a high standard, We cas
supply females of all ages and young bulla , the reselt of a lititetimes indellig ont breeding: 45 head to solect tr CHERRYBANK AYRSHIRES!|AYRSHIRES FOR SALE


 Ayrshilres and Yorkshires - We have still some good young bulle, Now in the time tor ALEX. HUME \& CO., Menie. Ont.



Are coming to the front wherever shown. Look out for this at tt t
leading exhibitions. Some choice young bulls for sale, as well as cows an
heifers. HECTOR GORDON, Howlek, Quebec:

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Get rid of them and help make your home and premises sanitary by the liberal use of Tanglefoot Fly Paper. There is fully one-third more compound per sheet on Tanglefoot than on any other fly paper; hence it lasts longest, catches the most flies and is the best and cheapest fly paper. If you ask for "fly paper" or "sticky fly paper" you may get a cheap imitation that will soon dry up or glaze over. Ask for Tanglefoot.
Sold by Grocers and Druggists.
TREE TANGLEFOOT, put up in 1, 3, 10
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Will protect sour trree from all climbing
insection

## SALT

Ask your dealer for
RICE'S SALT
The old reliable brand. It is purer
than any other make, and you get beter satistaction and value. Besides, you know it is made from Canad

FOR ALL PURPOSES
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you must keep the BOWELS OPEN

Any irregularity of the bowels is always dangerous, and should be attended to at once. If the bowels cease to work properly, all the other organs become deranged.
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Mriburn's Laxa-Liver Pills work on the bowels gently and naturally, and will Mrs. J. Hubbard, Port Colborne, On writes:-"I have tried many remedies for constipation and never found anything so good as your Milburn's Laxa Liver Pills. We always keep a vial in the house, for we would not be without my friends.
Milburn's Laxa-Liver Pills are 25 cents per vial, or 5 vials for $\$ 1.00$, at all dealers, or mailed direct on receipt of price by
The T. Milburn Co., Limited, Toronto,

## QUESTIONS AND ANSWERS

 Miscellaneous.a meadow weed.
What is the enclosed weed?
Midduesex Co., Ont.
$\begin{array}{ll}\text { on. D. R }\end{array}$
Ans.-The weed sent is one of the
"everiastings," of which there are several
 particularly where the soil is light an
gravelly, they make more or less exten
sivel sive patches, and are commonly know
as cudweeds, pussy toes, as cudweeds, pussy toes, or mouse-ears,
The leaves are usually small, about an The leaves are usually small, about a
inch long and white, woolly beneath They would be harmless if they did not by their mat:like growth, crowd out the
grass. It is therefore advisable grass. It is therefore advisable wher
ever their silvery brush-like flowers malk their appearance, to hoe them out. In
fields where ordinary fields where ordinary crop rotation is
pursued, they do not get a foothold. FALSE FLAX I have a field of fall wheat badly seed-
ed with false flax. What would be the best way to clean it wout of the Would wou advise threshing wheat in
fould field so as to avoid danger of spreading
through manure to other fold through manure to other fields? Ans.-False flax is a noxious weed winter wheat. Where practicable, hand-
pulling is advisable. Make it a point avoid winter crops on land polluted wit
seeds of this weed. Harrowing seeds of this weed. Harrowing fal
wheat in early spring kills most of the
weed without weed without doing harm to the wheat
Where the weed is tinuous cultivation throughout an entire
season is necessary sear-fallowing is the best. If the manure
ment
is is not thoroughly rotted in the yard, it
might be better to thresh in the fiel might be better to thresh in the field
and avoid any danger of taking
to and avoiner fields. Any of the grain fed
to ound
should be ground. should be ground.
INJURED TEAT
Have a good grade cow that got a cut
in one teat about three-quarters of an
inch from the end
inch from the end, while dry in a wood-
pasture lot last fall. I brought her
home a few days belo home a few days before she calved in
October, 1911, and found milk leaking
out at the side. out at the side. My veterinarian told
me I better not touch it until she was
dry
 dry, so that it does not leak except when
milking. Would it be advisable
it don milking. Would it be advisable to have
it done when she is dry again or will
that quarter Ans.-It is more than likely that ${ }^{\circ}$ ar-
permanent injury has been done the quar-
ter. ter. If so, treatment to bring back the
flow from it would be unavailing. En- En-
courage secretion in the quarter by milk courage secretion in the unavarter by mile
ing it regularly and hand rubbing.
correspondent recently advised the
ordinary sho ordinary shoemaker's wax for punctured
teat. Simply warm the wax until it
drops, and place it in the

TWO ALFALFA WEEDS.
weeds I found growing in alfalfo.. They
are new to me. What are they? Kind-
ly tell us about them, and oblipe. Grey Co., Ont. W. H. S.
Ans.-These two new plants have been
introduced in alfalfa seed. The one that
resembles in stem and folinge a crosa besembes in stem and foliage
between a burdock and a mullin
species of sage-Salvia Sclat
furope it is cols

## CANUCK BRAND

Baby Chick Feed and Scratch Feed

Are made up from pure grains in proper propor tions to secure best feeding value and most satisfactory results. Write for full information and feed dealer.
The Chisholm Milling Co'y Toronto, Ontarlo

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England's best flock*, a lot of fine home-bred rams and ewes bred from Minton and Buttar ewes. In CO rSWOLDS a lot of rams and ewes, and an extra good lot of
lambs. A few of each breed fitted for showing. Order early and get a good Claremont Station, C. P. R., three miles. John Miller, Brougham, Ont.
Pickering Station, G. T. R., seven miles. IMPORTED SHEEP
Those wishing an imported ram, a few choice imported ewes or a few show sheep MOLESCROFT, BEVERLEY, E, YORKS, ENGLAND

Cattle and Shoep Labels| Southdown Sheep


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 Only Shropshire Association recognized by U. S. Government ASSOCIATION yearly dues. Write for information. J. M. Wade, Secretary, Lafayette, Indiana MAPLE GROVE YORKSHIRES|Lange White Yorkshires
 Have a choice lot of
sows in pig. $\begin{gathered}\text { Bo ars } \\ \text { ready } \\ \text { for service service and }\end{gathered}$ young pig sof
suppled not
reatomable

 C. P. R. and G. T. R. Lone-hletamee phooe. Newcastle Tamworths and Shorthorns old benars end sow peivs 6 weeks from 4 to tonthe months sows
bred and others. read to breed. from such noted stock
as Cowwill
 0

Duroc Jersey Swine


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specialty
D. DOUGLAS \& SONS, , 4 , Maple Villa Yorkshires and Oxford Downs. We offer 30 splendid ewes of quality bred to imp. rams. Hampshire Hogs ${ }^{-}$Winnaving the greatest prize- J. A. CERSWELL. Bond Head, Ont


## Hampshire Pigs

The Tamworths J. H. RUTHERFORD, Boz 62, Caledon East, Ont



## SAVE-THE-HORSE spauin remedr

 5 4 量THE HORSE CANNOT CURE ITSELF MONEY MUST BE SPENT MR. L. DECKER, New Paltz, N Y. writes
 John Diprose, Three Por ular Stores.
Dundas - Richmond, Lcndone
Troy Chemical Co., Toronto, Ont. $\begin{gathered}\text { London, Ont., May 10, } 1912\end{gathered}$ I do not want any guarantee; I am satisfied,
The horse is now going as sound as ever. It is
great medicine.
John S. Cummings.
56 . The Troy Chemical Red., Deer, Alta., Aprtisth, 1912 .
 let me know if there is any way to to cure..... ? ?
Ycurs faithtully, E. S. Rutter, Box 510 .



FOR SAVETHE HORSE.
 the word over. on every kied of case and advic.

- all Iree (to horse owners and managers only.) Put your horse to work and cure him now WHETEER ON SPAVIN PUFF OR TEN
DON, OR ANY KIND OF LAMENESS resuls
 contract to cure or refund money . This contract
bas \$50.00 paid.up copita back of of to secure and
make its promise good. Send for copy. \$5 $\begin{gathered}\text { PER BOTTLE, with binding contract to } \\ \text { cure or refund money. } \\ 16 \text { years sucess and greater to-day than ever. }\end{gathered}$ C HSK THE DEAI ER.
Troy Chemical Co., Toronto, Ont., and Brighamton. N. Y .
Druggists everywhere sell Save-the-Horse with a
legal contract to cure or refund money
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Wind Engoines Are built for hard, steady work,
and keep at it year in and year out.


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gines have frirly
since their first and steadily held ever since their first appear ance on the market, ${ }^{\text {and }}$,
years aro that stould be considered. They are
tamous for their durabilit





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livered at any express office. We pay all


THE TORONTO CREAMERY CO'Y, LTD

THE FARMER'S ADVOCATE

## THE SPICE OF LIFE.

 Whoever fears Gord. fuar to sit atease." IN TuE ATR
Gladys Roxton-".And! the dike is so
brave, papa! Why, he dectares he in-
tends to become an avintor!'" Papa-"H'm ! He does, eh? Wan to visit his castle, I suppose." -Puck.

## .'Wot you doin' inherited.

'Wot you doin', chile

- Nothin"
Nothin', mammy
"My, but you is gittin' like yooh
ather."-Baltimore World

$$
0
$$

ou hose coal is six dollars a ton, an many tons would he send you ?"

$$
\begin{aligned}
& \text { "Three." } \\
& \text { "ouh, the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Ch, that's wrong. } \\
& \text { 'I know it's wrone }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "Uh, that's wrong." } \\
& \text { "I know it's wrong, but that's what } \\
& \text { he done." }
\end{aligned}
$$

they all do.
Old Lady-My husband is very liable
to attacks of seasickness.
perhaps yo to attacks of seasickness. Perhaps you
could tell him what is the best thing
to do. to do. 'im, mum-'e'll do it.

## " Nothing is small ! No lily-muffled bum of summer-b

 No lily-muffled bum of summer-beeBut finds some coupling with the spi ning stars;
No pebble at your feet but proves
sphere ;
And every common bush afitre with God But only he who sees takes ofir his shoes.
-"Aurora Leigh.
-
In a Glasgow school, recently, a class
of boys had been studying physiology Of boys had been studying physiology
with remarkable results. They were orwith remarkable results. They were or
dered to write an essay on the "spine.
Many interesting papers were handed in Many interesting papers were handed in
on the subject, from one of which the
following is an extract: "The spine a bunch of bones that runs up and down
the back, an' haads the ribs. The skull sits on one end, and we sit on the
other !".。 A great French divine, preaching a se mon on the congregation a woman wh
see in this con
has been repeatedly guilty of breaking her matrimonial plegge of obedience to
her hasband, and to point her out I will her husband, and to point her out.
cast my breviary at her head. cast my beok, and immediately every
litted his book'
married woman's head in the congrega married woman's head
tion ducked.

LOST OPPORTUNITY.
Sir Thomas Lipton tells a humorous
story of a Scotchman who went to a
race meeting for the first time in his race meting for the first time in
life. The old man's friends persuade him to risk se.
to-one chance.
Wo-one much trepidation, the Scotchman
Wanded mut the sixpence and, strange handed out the sixpence, and, strange
relate, the horse won. When the book relate, the horse won. When the book
maker handed out a sovereign and sixmence to Sandy, the latter could not be
pieve his own eyes. pieve his own eyes.
"Do you mean to tall me I get all th "Do you mean to and me
for my sixpence ?" he asked.
"You do," replied the bookmaker. "Ma conscience !" exclaimed Sandy Tell me, mon, how long has this thil
been going on ?" been going on shad "greenhorn's luck,"
Though Sandy had winner" on his firs and "picked the winner" on
venture, he might not do so again in 9 times out of 100 , as those who "follo
the ponies" could tell him. The ma who wants to place his "saxpences"
a "nure thing," should investigate th
Cadian
Canadian Covernment's Annity Systen Canadian Government's Annuity Systen,
information in regard to which may
obtained at any post oftice, or on app, cation to the Superintendent of Annui-
ties, Ottawa. Your letter is carried
free of postage.

## Haciviexainoplow

II The Hackney Auto-Plow -the One Man Machine--clearly THE ONE MAN MACHINE the greatest invention of the age, solves the "labor problem" satisfactorily for the farmer.
II It is the only "One Man Machine" on the market that can be used for plowing, haying, harvesting, as a stationary engine for power purposes, and as a tractor for hauling loads, etc.
(1) It is perfectly built and a pleasure to' run. It does the work of 10 horses and 2 men, and plows from . 10 to 12 acres per day.
(II It is the only machine that worked every day at the field trials at the Minnesota State Fair.


## DOMINION EXHIBITION

Ottawa, Sept. 5th to 16th, 1912 jointly with central canada falr

Federal grant of $\mathbf{\$ 5 0 . 0 0 0}$ used to improve Agricultural features

All cash prizes increased 50 per cent.
Exhibition Association pays freight on exhibits coming over 100 miles. Reduced from five Provinces and two States.

New $\$ 90,000$ Machinery Hall erected for arm implements.
Entries from field crop competitions from very Province. Educational features along Send for revised prize hist
E. McMAhON, Mgr. and Sec'y, sparks st. OTTAWA Entries close August 20th


## B. A. MITCHELL'S ${ }^{\text {continubd same as usual by }}$ DRUG BUSINESS Miss Mitchell LONDON, ONTARIO UP LiN THE USUAL WAY

When Writing Advertisers, Please Mention "The Farmer's Advocate"

# Plow Early in 1912 for a Big Yield in 1913 See What COCKSHUTT Plows May DO If Used Now 

| How Early Plowing Can Earn You THREE TIMES the Ordinary Profit per Acre on 80c. Wheat |  |  |
| :---: | :---: | :---: |
| Method of Preparation of Scedbsd |  |  |
| Plowed Sept 15, 3 | 14.46 | \$3 05 \$11 57 \$852 |
| Plowed Sept, 15, 7 ins | 15.79 | $\begin{array}{llll}3 & 55 & 1263\end{array}$ |
| Duuble disced July 15, and plowe Sept. 15,7 ins |  | 3518851450 |
| Double disced July 15, and plowed Aug. 15, 7 ins |  | +70, 26142144 |
| Plowed Aug. ${ }_{5}, 7$, ins |  |  |
| Plowed July 15, 3 ins Plowed July 5,7 ins |  | $4+4526772232$ <br> 405 |
| Plowed July 15.7 in |  |  |
| This table shows how greatly a y ield of wh. at may be nereased by earlv plowing, as deep as possible. The profit per acre rises nearly $\$ 9$ a moaih, just by early plowing. An acre plowed in July is worth three acres plowed in September. Plow early, if you can, and if you cannot plow, disc your land early. Early work pays. |  |  |

## The Moral is: See Our Agent Now!

These "Cockshutt" Plows have great capacity in variation of depth of furrow, light draft, ease of handing, and great strength. They are best to buy because of quality of output and dependability for long, hard service.

Ontario Footlift Sulky

handle this excellent new "Cockshutt" safely and easily device lifts the plow easily whenever necessary. The footlif tario Footift" may also be adjusted to automatically rise and reset iseti atter passing obstructions. The wheels have dust-proof oil
retaining bearings. Fitted with our No. 21 bottom, it handles furrow up to 12 inches wide and 8 inches deep. A feature is the automatic controlling rod from the tongue $t$
the rear and front furrow wheels. This feature helps making a short turn at ends of land, etc. A youth may operate the "Ontario Footlift" Plow throughout the entire day without Seeng hands ond teins
It has hund Cockshult agent, or write us regarding this Sulky immediate deli eries for July plowing write us a letter about it, and we will be glad to help you in any way we can. We have all kinds of implements to help If in need of any lmplement you in your work to help youl make more proftit SOLD IN WISTERN ONTARIO BY

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