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large increase of business from yoar to year.
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Vol. XI
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## 1



## EDITORIAL

October silo-filling is kind of a poky job.
The best method of supplying nitrogen to the $)^{\mathrm{sol}}$
on the ceneral farm is through legunil ops or barnyard manure

One great aim in the new education should be to train the head through the work of the hand, and character through both.

When a man conceives a bold but rational idea, he can afford to follow it unruffled by any amount of scoffing. Let those laugh. who have nothing better to do.

It sometimes happens that the most profit realized from despised sources, while the bright est hopes turn to ashes. The potato crop, which promised such a bumper yield,has been dug out of the mud only to rot and discolor in the pits or bins. But roots are fine.

Full mows, full silos, full granaries and full oot cellars mean well-filled thrifty stock for the winter, and months of contentment to the owner. Nothing is more satisfying to the stockman than see his stock well bedded and well fed, and nothing gives him more trouble than a feed shortage

There is very little to promote health or discipline in either body or mind in shutting prisoners in dark cells for their entire terms. Farm work promotes both, gives work to the ablebodied inmates, and produces goods of great value for consumption. . This scheme is working admirably in Ontario.
(1) referring to the inbred Mertoun "Scotland Yet, referring to the inbred Mertoun flock of Border un to seed among sheep, cattle or horses as well among human beings. If you are breeding (beef) cattle or sheep, always remember the hutcher's idea, and what he must provide for the public; if you are breeding (draft) horses keep the lorry in view. Thus only will you escape disaster.

Xdvanced opinion is veering strongly to the opinion that education should be made more practical. That is to say, it should have more
direct relation to the things of everyday life. In rural communities especially it should be related as closely as practicable to agriculture and to rural into later life through vocational experience and necessity. Education along purely abstract or academic lines too often ceases with good-bye to the schoolroom

The prices recorded at Cranford were not merely the prices of well-bred cattle, says our Scottish correspondent, they were the prices of milk-record pedigree Shorthorns. "While he
was prosecuting his scheme, the late Mr. Taylor was prosecuting his scheme, the late Mr. Taylor dispersion show him to have been no idle dreamer, i,ut a man with a well-founded rational idea as o what might be done to retain the dairying Herdbook." The result was a complete viridica-

To What End?
From press and platform a vast amount cheap advice has been tendered Canadian farmers statistics of production and of export by produc ing more pork, more beef, more butter, more cheese, more eggs, more poultry, more sheep more wheat, more fruit, more vegetables-in fact
more everything. Campaigns of "education" and propaganda have been systematically waged Institute platiorms, inspired by official general who thought in totals, but sometimes overlooke the interest of the producer as an individual. In their anxiety to push agriculture, boom the coun try and bring to pass impressive percentages increase in production of hogs or cheese, or what not, they fall to probable fect of such increased production upon prices No fear orThe British market will thould glibly can ., Which mas wo proviso. They mitted to masize that a dozen ouries were also catering to this same British market, and that custom could be wrested from these competitors only by superio quality or lower prices, or both. Quality being equal, an increased plenitude of supply, even to the extent of one or two per cent., is bound to make for depression of values. Take, for in ceipts run a few thousands heavier than usual and how prompt the explanation that abundance of supplies in England has sent the bacon mar ket down ! A comparatively small augmenta tion of supply, even in world markets, ofte makes the difference between scarcity and abund ance, between high prices and low. In local markets the effect is still more sharply and im mediately discernible-as everyone knows who has marketed fruit, vegetables or other perishable products

The Farmer's Advocate is by no means unsympathetic with well-considered efforts to en large production to a reasonable extent in those lines where expansion is likely to prove profitable to the individual farmer, but maintains that not a little such effort has been ill-judged because too much attention has been paid to eye-filling totals, too much interest to the secondary businesses depending upon farmers' purchases and too little attention to the profit-and-loss account of the individual farmer himself. We believe the bacon-hog boom was over-done and there hav been times when the cheese business looked as though it had been, hotion inct these lines, as they always will in the end
It is just as well that public officials should keep first principles in mind, and realize the true everyday farmer is farming for profit and it'is everyday farmer is moro pron yy increased thus slumping prices. It is to his interest to be shown how he, as an individual, can extract a larger revenue, and especially a larger profit, from his own particular farm. Also it is usually to his advantage to have the standard of quality raised, for that increases consumption, enlarges fastidious demand and generally swells prices. We are pleased to note that Governmental effort in Canada to-day is being largely directed towards improving quality and assisting the individual farmer to make the best use of his particular opportunities for produc-
tion, rather than towards extensive exploitation of this that larmer more clearly discern their own true interests, it will become increasingly and properly difficult to encourage production upon any ground but that of a broad and reasonable self-interest.

## Fapming as Ppison and Hospital Labor.

In this issue there appears an article dealing with agriculture on the Prison Farm, Guelph, Ontario. This is the final of a series of fout articles discussing agriculture on Government farms in this Province. It has always been a problem facing the Government how best to employ such misdemeanants as were physically fit to work and also those weak-minded who are not considered dangerous. The problem has bepn solved and agriculture has filled the gap, as it has done many another gap in the welfare of the individual and the country.

Dealing first with the hospitals for the insane and feeble-minded, confined in these institutions are hundreds of people whose labor may be, and There is nothing quite so beneficiel io person There is nothing quite so beneficial for a person light work in the open air in full communion with nature. Farm work offers such a variety of opnature. Farm work ofiers such a variety of opways on hand that large numbers may be employed at all times. Work under such conditions relieves the mind. The hospital becomes to the inmate more of a home than an institution of confinement. The freedom given encourages, and is the best medicine for mind and body. A healthy body aids in the cure of the mind, and the wark on the land keeps the body physically ft. Besides, the inmates are doing a useful work, not only for themselves but for the institution. They are cultivating and reaping crops which are utilized as food for those in the institution. It requires no small amount of railk, meat, fruit, wheat and vegetables to supply the tables in these institutions annually, yet this is now being very largely done by the institutions themselves, and in time, as the scheme unifolds, will be produced entirely upon the farms operated by the inmates, This is not all. Some of the institutions are already selling large quantities of pork. Much different is the a hospital He is his be is in his benefactor's good, in comparative freedom, eal labor He pets less ant his trouble, and his case is far more likely to his trouble, confined. May the pork continue to grow confined. May the good work continue to grow.
Prison labor has been even a more diffeult proposition than hospital labor. Mechanics and artisans of all kinds are confined in our prisons, and many of them are not really bad, having yielded to temptation and been apprehended. Such men should labor, are the better of work, and, besides, there is little in corporal punishment to improve a misdemeanant. There are those who would do away with it entirely. This cannot be done in a day, if it is ever accomplished, but the prison-farm scheme for comparatively short-term prisoners is one of the best yet in the way of reforming rather than punishing those who are under the ban of the law. The principle is right, and we can do no better than quote
the Farmers Advocate

## and home Magazine

THE LEADING AGRTGULTURAG JOURITAL in mene pomminosi.
PUBLTBHED WEBEKLY BY
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 Address-THE FARMER'S ADVOCATE, or teIE WILLIAM WELD COMPANY (LIMTRD) lomdon, canada.
the Provincial Seoretary when he said: "Everybody but extremists is agreed that, from every point of view, physical or moral, practical or humane, prisoners must be put to productive work. The probiem is to reduce the competition of convict labor to a minimum, and especially to reduce the proportion of prison-made goods that complished this. It offers opportunity to utilize the work of the mechanics in making and repair ing all kinds of machines and implements used Architects, engineers, carpenters, masons, chinists, laborers, blacksmiths, all find profitable, congenial, health-giving employment on the large farm. Stone-quarries, rock-crushers, etc., aid to give diversified work. "'The fresh-air cure for criminals" is a success. Prisoners who have no real occupation are taught useful work and go
away better men, fitted for life's battles, physically and morally. Is it not much more desirable to teach these men something to help them in after life than to make them eke out their leave behind iron bars and walls or stone, to worse fitted to dejected, morally degraded, and than when they went in? "Reformatory" is the word, and reformation is the aim of prison labo on the farm. It is doing its work and as the scheme progresses better things will come. '"The boys," as the prisoners are known to the officials enjoy comparative freedom, appreciate it," learn employment when their terms expire, and go away useful men.

In the neighborhood of London a large num ber of corn-distributing pipes for filling silos have been made this year after the pattern of the one illustrated in The Farmer's Advocate of August 29th. U'sers of them have been more than pleased. That one little idea is worth

Any Education Better than None. "Since the question of schoots is up again, ment, are the delects of our present system, I fear that some will be using your arguments as an excuse for keeping their children out of need of improvement, the schools give an educa tion a million times better than none at all, and, have an opportunity to send their children to. should like you to say some, things clear and plain on the need of making the best use of th school system we have.

This letter from a Niagara Peninsula reader, L. C. Wilde, is appropriate and timely. By al means let us make the best of what educational Nothing hàs ever been published by The Farmer's Nothing has ever been published by The Farmer' We believe in it heart and soul, first of all fo the personal culture and power and enlarged ca pacity for pacity for both private and public service whic
it confers. These benefits must never be ignored. it coniers. These benefits must never be ignored
While some few men receive fairly broad education with little or no schooling, most of them realize vividly the handicap of their early deprivation and almost invariably see to it that their children are provided with the best training the schools can furnish. While there is in some quar ters failure to appreciate the opportunities fo self education that are open to youths of dis cernment, calibre and application, it is to be said that the vast majority of children require for normal mental development the advantage of sy tematic discipline under the authority and guid hours a trained tutor. Otherwise the precid consequential youth are frittered away to man or woman soon finds himself or herself un der the necessity of earning a living hampered by a very circumscribed sphere or usefuiness and deprived of any considerable chances of subsequent solf culture save at the expense of vast exertion, forth. Pathetic beyond words to describe wes the remark al le lem we talking one 1 min talking one day. A more than ordinarily obser vant man, he realized keenly his limitation thus : "I can't sign my own name I'm the most ignorant fellow you ever saw. I can't do nothing but dig.

Get education by all means, get all you can afford, and get it while you are young. Youth is the time to learn. Memory loses its grasp creasingly harder to exercise along new lines. The child uneducated is handicapped for life. The late A. P. Ketchen, favorably known as an Institute speaker, once said in an evening address : "If I had a son I would want to start him out in life with three things-a sound, healthy body, a good education and an empty pocketbook Mr. Ketchen was right

## HORSES

Straw is plentiful. Use sufficient bedding.
It is a good pla
horses at all times.
Clean and oil all the plow harness before storing it away for winter. It will add to its life

Winter is a good time to train the colts.
However, when training or "breaking", is once Cowever, when training or "breaking" is once
commenced, daily lessons should be given until the colt is thoroughly "broken."
As the rush of work slackens reduce the grair
ration. No horse should get as much grain ration. No horse should get as much grain when
idle as when at heavy work ; neither should the horse have all his grain feed cut off when work
stops. Cut the ration down gradually. Where at all possible, arrange to tie the colts which are running two or more together in a box rate, and it is necessary, especially with the grain
ration, that each colt gets his allotted share.

Most larm-work horbeg, fe wathew thin at thi season, and it never pays the owner to place a be a desirable quality in horses, but nevertheless it sells them.

Straw is often used as a winter feed for idle orses, and the practice is, under some conditions, justifiable and profitable, but only good
clean, bright straw should be used. The watersoaked, dusty, discolored straw so common this year is not fit to feed horses.

Over-exertion one day, followed by several days of enforced idleness, is one of the common $\begin{aligned} & \text { causes of faulty action. Action improves with } \\ & \text { use, provided the use is well-balanced. }\end{aligned}$ Regusee, provided the use is well-balanced. Regu-
larity is important in work as well as in diet, and in exercise in the yard as well as in groomand in
ing.

Horse stables do not require to be over-warm. Horses stand a lot of cold without injury, but tilated are dangerous. If the stable is protect from the cold even if it is at times somewhat severe, and cold sta ble, well ventilated, is much to be pre

Frequent and copious rains during the haying and harvesting months caused a large amount o roughage. It is doubly necessary that great care be taken in feeding the horses this winter. Great care should be exercised in starting them on this feed during winter idleness, and such hay

## To Tell the Age of a Horse.

There are things which we may reason out, and others which to bo remembered must be in a telling the age of a horse. Most of our memorie work best to rhyme, and the Aberdeen Free Press has used the rhyming method of telling the age
of a horse. Here it is : To tell the age of any ho
In tell the age of any horse
The six front teeth the truth will tell,
Two middle "nippers" you behold
Two middue "nippers" you behold Before eight weeks two more, will come,
Eight months, the "cornerg"

Two outside grooves will disappear From the middle two in just one ye In two years from the second pair.

At two the middle "nippers" drop,
At three the second pair can't stop, When four year old the third pair goes

The deep black spots will pass from vie At six years from the middle two
The second pair at seven years,
The second pair at seven years,
At eight the spot each "corner",
From middle "nippers" upper jaw,
At nine the black spots will withdraw; The second pair at ten are white
Eleven finds the "corners" light.

As time goes on the horsemen know
The oval teeth three-sided grow; The oval teeth three-sided grow
They larger get, project before,
Till twenty, when

## Stumbling in Horses.

Every man who has driven horses has had very important subject James McDonough, On this the of Montclair, New Jersey, read a paper before and it recently appeared in the American VeterinThe term. "stumbling," as applied here, is con sidered by Ir. McDonough as misleading, as it
would lead one to would lead one to believe that the cause existed in
the free limb, while as a matter of fact it will he found to exist in the a matter of fact it wil
We have different supporting limb We have different kinds of fixed or supporting limb will make what we call a "miss step," some will fall to the extent of striking one or both knees
against the ground, while others will plunge for-
ward ward, striking their nose and face, or even to the top of their heads. While this difference in
stumbline is merely stumbling is merely one of degree, it neverthe-
less is deserving of attention. When a hórse
stumhles. he toe of the free
$\qquad$
he ani the anim the ani the ank egain
fore we have always been led to believe that it
was caused by the horse carrying his close to the ground, and for this reason shod him with one of two objects in view, that is increase his action by applying a heavier shoe or shortenpoint.

When we now fail to stop him, as we usually do, we remind the owner of the old adage- "Once a stumbler, always a stumbler." But let us re-
turn and try to determine the cause of the difference in the degree of stumbling. The first thing the front of the hoof. Upon the hoof of the aninal that made what we call a "miss step," you may not find any mark, but a little earth on the he animal that nearly fell, will show a mark extending nearly the entire length of the toe. While the animal that fell will not only show a mark exhe coronet' abiove, and sometimes to the front of the ankle joint. This animal, while falling, may be seen to make one or more desperate efforts to egain his feet. His expression shows fear and ng forward at the time he stumbled, now seems to be fast and in a position where he cannot possibly extend it. It was fast from the begin been successful as was the case with the preceed ing animals. To those who have watched stumbling horse fall, it became evident that the limb was forced into a position when the animal
was powerless to release it. This could only be Was powerless to release it. This could only be accomplished by the animals weight having been a position to receive and support it
As the fixed limb is extended to support all the weight of the front part of the body until the ex
tension of the free limb is completed, its failure to do so, as shown by the animal whose free limb was forced against the ground, should influence one to look there for a cause, where we will usually find it.
If, when riding behind a frequent "stumbler" we closely watch the supporting limb, we will animal stumbles. This is caused by the presence of some condition, either pathological or mechanical, that reight with comfort, and as a result it yields to the pressure and permits the body t drop to the extent of allowing the toe of the opposite limb to strike the ground when being
carried forward. The consequence will depend upon the position of the free limb at the time the supporting limb gave way. Should the free limb occupy a position just anterior to the supporting
limb, the animal will make a quick move and get limb, the animal will make a quick move and get weight of the body. We call this a "miss step' or slight stumble, and a little dirt may be found upon the toe of the shoe. Should the free limb occupy a position in a line with, or slightly be
hind the fixed limb, a portion of the front part of the hoof will be forced against the ground and the animal's efforts to 'regain his feet will be un-
successful to the extent of allowing one or both knees to become injured, and we call this a
"stumbler." Should the supporting limb give away at a time when the free limb was about to be extended, the position it now occupies causes
that part of the limb from the ankle down to be forced against the ground, making a mark ex tending the entire length of the too, also injuring the coronet And ankle joint. If we closely ex amine those injuries, we will often find they wer
caused by the foot having been forced in a back ward direction or just the opposite to a condition that would be produced if caused by the anima pulling the limb forward. The animal will be seen to plunge, and while fallugh moe down by plunging forward, and if the driver pulls har upon the "lines" in an effort to hold him up, may prevent the animal from exce or even the top of his head. When the free limb reaches the ground and be
comes the supporting limb, its direction is oblique comes the supporting limb, its direction to before.
from above to below, and from behind to irom above to below, of the free limb the body is moving forward upon the supporting to an oblique position from before to behind. As his
change in the position of the fixed limb takes place, the work of supporting the body is transthat the part subjected to the greatest strain can be determined by the position of the free limb at the time he stumbles, and as the position occupied
by the free limb can be accounted for by the degree of stumbling, we are led to believe that the supporting limb occupies a vertical position in all cases where the animal does not fall to the
ground. This is usually caused by an unbalanced ground. This is usually caused oy ar the position
limb when the shape of the hoof or
of the shoe is such as to force the ankle to either side. Of course, any condition that may render
will cause a horse to stumble. But in either case whether caused mechanically, or by some abnorobject must be to change the weight to some other and stronger part. When it is caused by an subject of interfering. If the ankle is inclined so the inside, increase its support in that direction by widening the shoe upon that side, when it will be found that the condition has been re-
lieved. If not entirely corrected, and we dare not widen the shoe further to the inside, we will then fit it narrower upon the outside until the condiWhen a entirely corrected.
falls, I do not believe that it is caused by and faulty condition of the limb, which seems to any way at the time it frot comes in contact with the ground, and is probbably caused by the animal
stepping upon a loose stone or into a hole. stepping upon a loose stone or into a hole.
It is probable that 90 per cent. of all stum bling is caused by an unbalanced limb, for when a diseased condition is present it is likely to cause lameness and lame horses are not always limb while traveling loy preventing, to some extent, the weight of the body coming upon it by holding his head and shoulders up when that foot


Baron's Best
Clydesdale stallion, three times winner of frst prize at the H. \& A. S. Show
parts will be allowed to drop when the weight
comes upon the good limb. As many methods are employed by different
people to balance the limb a few words upon this people to balance the limb a few words upon this subject may be excusable. At every step when front limb to the other, the body is falling and nothing but the timely alrrival of the opposite limb to a position where it can catch and suppor
it, will prevent its falling to the ground. it, will prevent its falling to the ground.
The limb was intended to perform this work strength, not alone while in a given position, but so arranged and adjusted its many parts as to
permit of a change in its position without depermit of a change in its position
tracting from its strength or comfort.
Inasmuch as we are now trying to adjust the parts in a way that will stop stumbling and not for the purpose of relieving lameness, there are
some things that I wish to make plain. First, some things that $I$ wish to make plain. First,
that the ligaments play a very important part in preventing, or, at least limiting motion of the joints to either side, while permitting in many muscles and tendons have full control over flexio muscles and tendons have full control over flexion
and extension. Second, that the ligaments are and extension. Second, that the slightly, elastic and unable to adjust themselves to an abnormal position, while the
tendons which are a continuation of the muscles possess the advantage oftentimes of being able through the medium of the muscles, to adjus their lenath to the extent of escaping injury.
When the extended limb first receives the weight of the body, the diredom before we behind with a tendency to force the limb backward and downmore or less elastic organs found there. The foot being fixed upon the ground, as the body moves
forward, the direction of the limb approaches a vertical position, and the weight now passes
through its centre and through that part of the foot known as the quarters. It has now reached a position where the quarters must be depended
upon to support it upon either side, and if for any reason insufficient support is given to the one side, the limb will suddenly be displaced in that
direction, and the injury of the ligaments will direction, and the injury of the ligaments will
often compel the animal to yield to the increased strain.
While While considering the limb in a vertical posi-
tion, if the distance of the two heels from the centre of the frog is not equal, the limb will drop in the direction of the narrow side. This also applies to pads, for if the centre of a pad is not
under the centre of the frog, the limb will be inunder the centre of the frog, the limb will be inclined to the narrow side. It does not make the
slightest difference how wide the pad is on the sightest diference how wide the pad is side is wider it offers more support to that side of the limb, and will cause it to lean in the direction of the opposite side, So far as I know one has to depend entirely
upon his eye when balancing a limb. The cuistom upon his eye when balancing a limb. The custom is to measure the foot at several phaces, but as
the position of every part is dependent upon tisa the position of every part is dependent upon to
shape, it leaves us without any fixed point trom which we can take meesurements. The better way is to pick up the opposite foot, thereby
throwing all of the weight upon the limb to bo
 back of the ankle
occupilis a position directly over
the depression, be
tween the bulbs of tween the bulbs of
the heols, we can feel that the work
of the limb is of the limb is
properly distri-
buted. properl
buted.
Stur

Stumbling be hind (breaking
over) is uusally
caused by some caused oy existiong on the inside of the hock it pnable
renders it its
to perform its to periorm com-
work with com-
fort, and can of fort, and can of
ten be accepted as ten be accepted
an early symptom of an approaching of an
spavin.
In
In most coses the foot woll the
inclined to
outside, therely outside, there
increasing $t$ he
work on the work on the in-
side of the hoek sident.
jol have tried different mothode of shoeing to
overcome stumb overcome sting bohind, and have had the most succese with e long shoe provided with low heels and toe, with a calk situat ed at either side under the quarters. When fit ted, if the foot is inclined to the outside, it might row on the inside.

## LIVE STOCK.

Steers which make the best gains almost in
variatly have soft, pliable skins.

Shoot the dog if he worries the flock. A good sheep-dog never does this.

The young ram with the flock should get a ration strong in protein

For the first two months of a suckling pig's
life, it is possible for it to gain one pound daily Nervous cattle accustomed to roaming over large areas, seem to be handicapped in making
$\qquad$
All kinds of stock breeding may be made successful by the man who feels his, way, makes haste lowly and grows as his business grows.

Tying calves while they feed is a practice worthy of being followed. It at lea
Arrange to feed the ewes a little grain through the winter. A small quantity fed regularly over
a long period is better than large quaptities fed after yeaning.

Experiments have shown that the greatest geins in leeding cattle are made with steers which of the feeding period, and size of middle girth
also an important factor in determining gains.

The sow which has the run of the barnyard and is housed in a comfortable pen at night dur-
ing the winter months, is far more likely to produce a strong healthy litter, than the one which is con-
tinually confined to a small pen in the same building with the fattening pigs.

Soaking pig feed for twelve hours in a clean sweet barrel is good practice. It prevents waste
in feeding. The feed should be fed quite thick With too much water added it is too sloppy, and the ligs get too much water, which emust be

Reporting the great Cranford sale of milking Shorthorns, the Farmer and Stockbreeder remarks
that "Verily it was a triumph for the new state of affatrs, and more than ever a strong vindication of the value of milk records. To breed upon that basis is the only system which will secure

Feeding steers should now be in the stalls. It is a grave mistake to allow them to stand around
humped up on the lee side of a snake-fence, with humped up on the lee side of a snake-fence, with
their hair standing on end in a vain attempt to keep out the cold which accompanies the squally keep out the cold which accompanies the squally
weather of this season. A few days of such con-
ditions will take more off the steers than can be ditions will take
replaced in weeks.

When the sheep come in from the fields do not make the fatal mistake of placing the breeding
ewes and the ewe lambs in the same pen. This is never fair to the lambs, and the future of the flock depends largely upon the treatment of the owe lambs the first winter. They never get their
share of the feed when compelled to rustle for it with the older ewes. Winter shelter is necessary for all live-stock,
but it is possible to overdo it just as it is often neglected. Too close housing is not conducive to
vigor, especially where the stables are kept too vigor, especially where the stables are kept too
warm as a result of poor ventitation. Fresh air warm as a result of poor ventilation. Fresh air
although it is cold is not detrimental to animal health, provided it does not come in drafts. Shelter should not móan hot-housing. Exercise in the open air and fresh air all the
of the secrets of health of animals.

The stock breeder who is working with grade stock, has the fixing of the type in his own hands: Utility should be his only aim, and in reaching his objective he will find it to his advantage to mate animals of as nearly the same type as charaoters, which each animal possesses, are not from violent crossing

Variety in winter feeding has a marked in fluence upon the amount of feed an animal will consume. Variety also increases palatability, and
palatability promotes digestibility, and digestibil palatability promotes digestibility, and digestibility favors animal increase. If an animal's
appetite is greater and the food is more digestible appetite is greater and the food is more digestible creased amount taken into the body and an in-
creased amount absorbed, the animal must grow creased amount absorbed, the animal must grow or fatten more quickly, and at less expense.
Variety is one of the big problems in winter livestock feeding where maximum returns are aimed

Owing to wet, unfavorable weather, a great
deal of grain in the Prairie provinces has deal of grain in the Prairie Provinces has been
harvested in poor condition. Almost half of the harvested in poor condition. Almost half of the grade. In fact on some days there is even more
than one-half of the spring wheat in this class. than one-half of the spring wheat in this class.
What must the producer expect to obtain for such produce? While from a nutrition point of view
this wheat has a high value, it must realize a this wheat has a highs value, it must realize a
greatly depreciated price on the world's market. greatly depreciated price on the world In order that the producer may obtain his just In order that the producer may obe for the value of food constituents sold off his farm, our Western contemporary recommends
that hog-raising be taken up.

Over-nutrition and a lack of sufficient food both work against fecundity in live-stock. Some of the most highly nted show animals are nome of those very low in flesh do not conceive readily. All life, plant and
animal is much the same as regards breeding. animal is much the same as regards breeding.
Take for instance a rose bush, and feed that bush Take for instance a rose bush, and feed that bush
an extra large amount of fertilizer and it will
grow luxuriantly, but will not flower as well as if less food were given. The same bush in very small withered flowers, and would sicken and die It is the same with out domesticated live-stock Gut it breeding condition" is a term often heard colt, the pir some skill to feed the call, the and on through its breeding life without at som fulness as a progenitor of its race.

## Catching and Holding Sheep

There is a right way and a wrong way to do overything, and it is astounding how many times the simplest of operations are performed the wrong way. Few except breeders and experienced
shepherds know how to catch and hold a sheep and it is amusing sometimes to watch a "new" man attempting to control a live yearling as it bucks, rears and pulls in an effort to free itself


Hampshire Ewe
This two-shear ewe, owned by John Kelly, Shake-
speare, Ont., was champion of the breed
in charge, who by his tugging and pulling at the While the wool makes a very considerable pain was never meant for that purpood hand hold, easy matter to ruish amongst the cowering flock in one corner of the pen or yard, and bury one's hands in the feet while it' paws the air in a vain endeavor to escape its captor. This is surely the wrong method and never should be tolerated in the flock. If a sheep so caught is killed and aressed soon aiterwards, a black mark or bruise
will be noticed on the carcass where the wool has been pulled in holding the sheep. There are two places to catch the sheep, by the hind leg
above the gambril joint, or just in under the jaw.

Sllage and Alfalia In Economica Beef Production
In a bulletin on economic beef production o the Nebraska Agricultural Experiment Station an experiment is reported where a heavy feed o heavy feed and shelled corn, alfalfa and corn heavy feed of shelled corn, alfalfa and corn
stover. When the stover was introduced, the average daily gain made by the ten steers was 2.4 lbs., as compared with 2.3 lbs. made by the ten fed corn and alfalfa alone, and the cost of
100 lbs gain was $\$ 6.49$ with stover, and $\$ 6.89$ 100 lbs. gain was $\$ 6.49$ with stover, and $\$ 6.89$ without, the stover being figured at $\$ 2.50$ pe
ton and the alfalfa at $\$ 6.00$. The following year, when a light feed of snapped corn was used
the daily gain was 0.1 lb . less with alfalfa and the daily gain was 0.1 lb . less with alfalfa and
stover than with alfalfa alone, but here again stover than with alfalfa alone, but here again
the cost of producing 100 lbs . of gain was 50 cents per cwt. less by the use of both stover and alfalfa for roughage and the profits correspond ingly greater. From the results it would seem
less necessary to use stover when snapped corn is less necessary to use stover when snapped corn
fed, very likely because the husk and cob serve fo, some degree the same purpose as the stover lossening the tendency of the cattle to scour, and at the
ration.
ation
Following this, the next step was to determine falfa-whether a heavy feed of grain, a medium feed, or a light feed, with correspondingly mor alfalfa. Three experiments were made dealing than half a feed of shelled corn ( 13.9 lbs. daily to each steer) was compared with a full feed (22.3 lbs.), the roughage consisting of alfalfa and corn stover. In the second, three different quantities
of grain were used, 12, 17 and 19.8 lbs ., and in of grain were used, 12,17 and 19.8 lbs., and in
the third, $12,15.6$ and 18.8 lbs. The same kind of roughage was used in the second as in the first, namely, alfalfa and shredded stover, the lat
ter being more convenient to weigh and feed that ter being more convenient to weigh and feed than
the unshelled stover. In the third, only alfalfa was fed for roughage, and corn-meal was substituted for shelled corn. In the first experiment, in which the roughage steers gained 0.41 pounds less per day for seriod of twenty-four weeks than the heavy-fed steers during a period of twenty weeks. The average gain of each steer of the two groupssame, viz., 339 lbs. At the prices of corn and (which and stover on the farm at that time producing gains was 27 cents per cwt. less with the light grain ration than with the heavy with was worth half as much again was mhen the cor was made and alfalfa had risen one dollar per on and stover $\$ 1.50$ per ton in value. With the
ligher prices, the cost of producing aains was again least on the light feed of corn, but the pro fits were somewhat higher on the heavier-fed cattime and sold on were all fed the same length of le bringing 25


Berkshire Sow

The best place is under the jaw, as the sheep will th
 sheep is fast. as no pain is experienced, and the than by the amount frab the sheep by the top asimilated rather sheep is fast. Don't grab the sheep by the top- passes through undigester? when the whole grain throat as if you were chocking it. The hand held $\$ 1.07$ per cost. and alfalfa at $\$ 7.00$ per ton and loosely under the jaw is all that is necessary after thee cost
the sheep once realizes that it is caught. When cont the light-fed steers was 81 using a crook don't catch them too low on the cents per ean than on the medium-fed group hind ley, it is dangerous. A sheep properly heal ich sopers want, at a disadvantage, howeve managed is the most docile of animals, and unless
roughly or improperly handled soon yields to be- archaisely in their roughage
ing caught and held without trouble.
 the light-fed cat tra month, they would have un-
doubtedy doubtedly shown
as much condition of flesh, ant brould then have brought as much The last periment last ex ex the best showing for
the light-fed cat-
tle. In this case the. In this case,
the corn was
thound On ar
pround ground. On corn-
meal, a full grain meal, a full grain
ration for two-
vear $\begin{array}{cc}\text { year-old } & \text { steers } \\ \text { seemed to be }\end{array}$ seemed to be
about three per day less than on shelled corn.
able degre corn-stove
cattle wer
quence the caterce th
quaily gain
den rage dail medium group.
falfa hay twelve po
steers wil From per bushe market, than a n ponding forths. and a co cat equal consume,
able degree with scours, much more so than when corn-stover, hay or cane is fed with it. These
cattle were off feed several times, and in consequence they consumed less and made a smaller
daily gain than the medium-fed cattle. The avdaily gain than the medium-fed cattle. The av-
erage daiky consumption of grain and hay was but erage daiky consumption of grain and hay was
26.5 lbs., as compared with 30.7 lbs. for the medium-fed group and 29.2 lbs. for the light-fed
group. The records showed that with good algroup. hay remarkably good gains may be made on
filfelve pounds of corn and all the alfalfa that the twelve pounds
steers will eat.
From the results of this series of experiments per bushel, and alfalfa is worth $\$ 7.00$ per ton at the barn, the old method of fattening cattle for market, namely, that of crowding with grain and
using but little roughage, is much less profitable using but little roughage, is much less profitable pondingly more roughage. Not to exceed three fourths. of a full feed of corn (or other grain) and a correspondingly larger quantity of alfalfa, will give practically the same daily gains; the
cattle will take on quite as good a finish during an equal length of time, and will bring as much per pound as when given all the corn they will
consume, and these things will be accomplished
 at a reduced cost of production, with larger profits to the feeder. of With a good quality of alcaifa at $\$ 6.00$ per ton or less, and corn above 50 cents per bushel, something approaching half a
full feed of corn is still more profitable, if the feeder is in a position to keep the cattle a month ration (that is, all the grain they will eat). Lengthening the feeding period increases to some extent the interest charges on the money invested and the labor connected with the feeding oper-
ations, but with the more liberal use of alfalfa the manure is more valuable and a larger market is provided at the farm for a hay crop, which is profitable to grow. Allowing $\$ 1.50$ per ton for harvesting the a yield), would give a net revenue of $\$ 18$ per acre, valuing the alfalfa at only $\$ 6.00$ per ton (a very low value), which is six per cent. interest on
$\$ 300$ per acre. $\$ 300$ per acre.
From the results of this series of experiments
would seem advisable to make a larger use of it would seem advisable to make a larger use of
roughage and less grain than has been done in roughage and less grain than has been ane and
the past. tisability of feeding with aifalfa some cornstalks to lessen scours, to furnish variety and to lower the cost of production by the utilization of a
cheap feed. These exporiments were carried on with stover
and with corn as the grain feed. Silage is just as good, and in many cases much better, feed than corn-stover, and the other grains fed in this
country take the place of the shelled corn, which forms the greater part of the grain ration where these experiments were carried out. It is sale to say that with good silage or corn-stover and good alfalfa or red-clover hay beef may be proreturns made. It may be found profitable to add returns made. It may be found profitabint is, an abundance of well-balanced roughage is more
economical in beef production than a maximum economical in beef production th
grain ration and little roughage.

## Our Scottish Letter

Neither England nor Ireland has as yet got
quite clear of foot-and-mouth disease. Scotland quite clear of foot-and-mouth disease. Scotland had no contagious disease of any kind among our in view of the fact that the two English counties which have been worst hit by the imported disease from Treland have been Northumberland and
Cumberland. The latter seems, happily, to have Cumberland. The latter seems, havpite rid of it, no outbreak having been regot quite rid of it, no outbreak having been re-
ported there for several months. Northumberland has not been so fortunate, and indeed the
men of the northeast of England have good men qf the northeast of England have good
cause to cherish anything but kindly sentiments cause to cherish anything but kindsy hey have been towards their Irish neighbors. They have been
by far the worst hit, and to make their lot more bitter, three prominent flockmasters who hold land on both sides of the Cheviots have been
fined for removing their sheep from the Northumfined for removing their sheep from the Northum-
berland side to the Roxburgh side. They were berland side to the Roxburgh side. They grass on the English side was very bare and the stock were starving; on the Scottish side their pas-
tures were going to waste because there were not tures were going to waste because there were not
enough stock to eat it. Their farms on the Engennugh stock to eat it. Their farms on the Eng-
lish side are 20 miles from the scene of the out-
hreak, but they had to conform to the Local Aubreak, but they had to conform to the Local Aumarity's orders. They were in a very tight place may enceavored to get out of the sheep to the
They brought the
Probably ure and were fined for their pains. Promabe
paid them better than starving the sheep
Irishmen are hile the pasture was wasting. Irishmen are
concessions from the Board of Agriculture and
Fisheries, but if they had to suffer as the flockFisheries, but if they had to suffer as the flock-
masters in question, they would very quickly change their tune. As things are at the moment, Mr. Runciman, the President of the Board, has allowed store cattle from immune districts in
Ireland to be landed at five specified ports in England, but not unconditionally, and he has also promised to secure liberty to ship pedigree stock
from Scots ports to places abroad. How he ex-


Shoulder of Mutton.
pects to harmonize the two positions is not quite apparent, but doubtless he will pull through what he has done is a bit risky. Its success will to many things, including Mr. Runciman's reputation as an administrator. For sheer intellectual Agriculture and Fisheries since the office was created.

MR. TAYLOR VINDICATED.
The past fortnight has demonstrated the mar-


Miss Brae 38th.
First-prize junior yearling and grand champion Hereford heifer, Toronto, 1912. First-prize junior yearling and grand champion Hereford $\begin{gathered}\text { Owned by L. o. Clifford, Oshawa, Ont }\end{gathered}$
 vellous buoyancy of Br. Duthie's own stock bull at present Collyie herd. We have had a series of sales of Shorthorn cat- Clarion, for which he paid a very long stravan tle, which have illustrated in a truly marvellous Birmingham sale. He sold four bull calves off degree the vitality of that interest. Through the this sire on Tuesday at an average of e62.9.6,
lamented death of its owner and founder, George and one heifer calf at \&378. John Marr, who Taylor, Cranford, Middlesex, his celebrated herd now occupies the famous farm of Uppermill which of dairy Shorthorns was brought to the hammer adjoins Mr. Duthie's farms, has a very fine colin the closing days of September by John Thorn- lection of cows. His main stock bull is the obtained of an average of $£ 82.17 .3$ for 187 head best dam of any. He sold eleven bull calves off of all ages, shown in ordinary condition right out
of the fields. Mr. Taylor had no children, and
left instructions just before he died that every-
thing was to be sold off, in the interests of Mrs Taylor, before the 29th September. The instruc tions were hurriedly carried out, with the amaz ting result hust indicated. Some very high prices were recorded. The top figure was $£ 525$
paid by Sir Gilbert Greenall, Bart for the fin paid by Sir Gilbert Greenall, Bart., for the fine
cow Waterloo Baroness. Her heifer calf was bought by an Irish gentleman at £168. Two cougs of the famous Darlington Cranford tribe were bought by the Duke of Devonshire at
$£ 262$ 10s. each. Wild Eyebright V, made 2210 , and there were other cows at the same figure and there were other cows at the same figure.
Others made $£ 2055 \mathrm{~s}$. and 2157 10s. each. It was altogether the most successful sale of Shorthorns of the Bates type, and largely of Bate the Shorthorn boom after the Dunmore disper sion in 1879. Its secret lay in the fact that for years Mr. Taylor had labored to build up herd of pedigree Shorthorns in harmony with ac at Cranford were not merely the prices recordell bred cattle ; they were the prices of milk-recorc pedigree Shorthorns. While he was prosecuting is scheme, the late Mr . Taylor was sometimes laughed at, but the results of the dispersion show
him to have been no idle dreamer, but a man with a well-founded rational idea as to what might be done to retain the dairying propertice
of the Shorthorns recorded in Coates' Herd Book. Unhappily, Mr. Taylor's vindication came too late o be enjoyed by himself, but it is none the les conclusive.

OTHER SHORTHORN SALES
In our judgment, the sanest pedigree record in Cattle. Within its four corners there is room for the Cranford dairy Shorthorns, with their
milk, records, and the Aberdeenshire Oruickshank milk, records, and the Aberdeenshire Cruickshanl
cattle, avowedly bred for the production of beef with a, minimum regard for fancy points. Amos Cruickshank bred commercial cattle on pedigree lines, and this weok we have seen those who fol lowed in his footsteps, reaping a nice reward. At
the Collynie sale of William Duthie's bull calves the Collynie sale of William Duthie's bull calves
on Tuesday an average of $£ 377.8 .7$ for 24 was recorded, and one call, Collynie Cupbearer, was sold at £2,100, to E. N. Casares, for exporta-
tion to the Argentine. Another, named Coll Gion to the Argentine. Another, named Collynie Golden King, went at $£ 1,050$; and a third, Colly-
nie King Royal, at $£ 997$ 10s. The sire of the highest-priced calf was the Missie bull, Merry Stamp, bred in the north of Ireland, by the late
Sir H. H. Smiley. Bart. and now owned by Sir H. H. Smiley, Bart., and now owned by
James Coly, Larne, from whom Mr. Durno hir James Coly, Larne, from whom Mr. Durno hired
him for two seasons with an intetval between. Sixc bull calves got by him made an average of £562.5.6 on Tuesday. The most successful sire used at Collynie in recent years, however, has
been Adbolton Regal King, a richly-colored, dark been Adbolton Regal King, a richly-colored, dark
roan, with a deal of Bates' blood in his veins, and bred by A. W.
Hickling, Adbolton, Nottingham, from whom Mr, Durno season. As a rosilt, on Tuesdery,
18 bull calves after him were sold at an average of $\mathrm{£385}$. 15.and there are at Collyinie something like quite as many
heifer calves of the heifer calves of the
very first rank which claim him as their sire. Adbol-
ton Regal King was to a large extent
impregnated with Bates' blood. His
Bire, King Chris sire, King Christian
of Denmark, was a
very very fine, stylish
b u 11 , which Mr. Hickling bought at
the Ruddington Hall the Ruddington Hall dispersion. He has certainly made a
splendid cross with

Thi Loarhead sale on Wednesday，when the cattle of the Messrs．Gordon were disposed of，£420 was paid by an irish gentleman for a heifer cair by figure as the $£ 2,100$ for the bull calf，and illus trates the extraordinary buoyancy of the Short－ fiorn market．At Aberdeon，on Thursday，a joint
sale was held of consignments from tenant－farmer breeders in consignments from tenant－farme Ross－shire．One hundred and seventy－two head mostly calves，of both sexes，made an average of ci5．6．10．The highest price was 290 guineas， paid for a yearling heifer bred by Lord Lovat， demand was experienced for heifer calves． if or the Butterliy，Rosewood，Clipper，or Non－ parei families，could almost command any price．
This week＇s sales，more than any we cai recall for many years，were characterized by strenuous buying on pedigree lines．The votaries of the
Cruickshank
cult are rapidly emulating the vo－ taries of the Bates cult in the seventies．
well to recall this，and to suggest that such buy
ing can be overdone．
ing can be overdone．
Highland cattle have been selling at Oban，and with excellent results．On account of the death of Countess Dowager of Seafield，her fold at Cas－ the Grant，in Strathspey，was brought to．the 225．15．11．Another fold，that of Dunach，in Ar－ gyllshire，was also dispersed．Thirty－four head
from it made an average of 113.12 .7 ，and on the whole day＇s sale of pedigree Hishlan ，and on the ighty－four head made an average of £18．14．6 Averybody is pleased with these results，a fact which suggests comparisons between the relative value of shorthorns and the breed upon which Thomas－Bates soug
Shorthorn heifers．
OUYEESDALIE VALUES IN SCOTLAND．
Colydesdales have also been having a great謂位位us to know the actual market value of what they get，in the native home of the breed．At good average of $£ 55.4 .10$ ．These were＇almost good average of matly fillies and mares．This week we have had a three days＇sale at Lanark．On the first，H． B．Marshall＇s fine stud of 15 head was dispersed， and made an average of £147．8．5．The noted prize mare，Sarcelle， is sure in foal to her own grandson，Baron＇s Pride，and the colt or filly she carries is either own browhier or own sister to the splendid two year－H．\＆A．S．to The Dunure．If she foals all right，Sarcelle will be quite a good investment at 625 guineas．At the same Lanark sales a c281，and a new sire，named Union Jack（16120） fairly established a record．His produce won first prizes in both colt and filly classes of foals．The
colt foal sold for $£ 190$ ，and the filly foal for 2130．The average price of yearling fillies was have also had a Hackney and pony sale at Fall－ side，Bathgate．Forty－eight head made an aver－ age of £46 4s．Twelve by the celebrated sire， Mathias，made an average of $£ 85.17 .0$ ，the high－
est price of the sale being 205 guineas，paid for est price of the sale being 205 gui
a．threo－year－old filly by this horse．

The Lesson of mertoun
The world－famed Mertoun flock of Border Lei－ cester sheep was dispersed a few weeks ago． Three hundred and seventy－nine head of all ages and both sexes made an average price of 25．1．3．
Twenty－six four－crop ewes，that is ewes which have produced lambs four years in succession， made an average of $£ 7.2 .0$ ；$£ 24$ ．each was paid for a pair of these，and this was the highest price was £25 for the stud ram，Invincible Stamp．The Mertoun flock was once at the head of the Border Leicester breed．It was bred with－
in itself for about half a century，and its ap pearance at the dispersion was an emphatic con－ demnation of this method of in－and－ii breeding． be successfully or stud does not exist which can of new blood from outside itself．An aristo eracy can run to seed among sheep，cattle or horses as well as among human beings．The Mertoun flock as seen at the dispersion read lesson，which they would do well to lay to heart ere it be too late．If you are breeding to heart
sheep，always remember sheep，always remember the butcher＇s idea，an
what he must provide for the public hrat he must provide for the public；if you ar breeding horses，keep the lo

October 12， 1912.
There is more in the strain of the breed tha farm stock．Everyone familiar with stock－breed ing has seen good and poor individuals of some
oats run through the fanners and compared with homegrow as many impurities as the home－grow ten times as many impurities as the home－grow
seed．Numerous farmers in the writer＇s locality seought these oats and sowed them without clean ing them，and the reader can imagine the result． The instances I have cited are only two of many Every year the farmers are blame．Rather than raise and clean their seed，or buy only that whic has been Government－inspected，they buy at ran
dom，and get such worthless stuff as has been dom，and get such worthless stuff as has been
exposed in the former part of this article．Every exposed in the former part of the＂Seed Commis－ sioner＇s Report，＂which caa be had for the asking
from the Seed Branch；Dept．of Agriculture，ot from the Seed Branch，Dept．of Agriculture，Ot－ tawa．All grain should be cleaned in a reliable with the formaldehyde treatment．
It is not only the raising of our own seed grain that will pay us．Present prices amply justify the raising of our own timothy seed，and perhaps clover as well．The writer is glad to be
able to report a vast increase in the number of able to report a vast in his locality who raise their own tim othy seed．This has been especially noticeable during the past season，and it is to be hoped tha it will continue．The importation into the Pro－
vince of seed potatoes is not so extensive，but that it is carried on to a certain extent is seen in the introduction from Europe this year of the deadly＂Potato Canker，＂a disease which threat－ ens the potato crop with serious results unless ment of Agriculture in the prompt effort it making to stamp out the scourge．Raise your own seed and it will pay you every time．
Colchester Co．，N．S．
＂BLUENOSE
Note．－This article brings out another im portant point in connection with seed of al germination before it is sown in large quantities Had the Western seed been tested before it was sown in the fields，the poor germination would have been apparent，other seed purchased and the

## Modern Seed Copn Requipes Special Care．

By way of explanation for the special stress laid nowadays upon the care of seed corn，Wal－ lace＇s Farmer says：＂So long as we grew long
ears with comparatively wide spaces between the rows，there was no trouble about the corn grow－ ing ；nor will there be as long as we select ears of that type．But the minute we begin to select those with deep grains，well filled out at tips and then trouble begins，for the simple reason chat this corn can not dry out nearly as readily as old－fashioned scrub corn．This，then，is the penalty that we pay for improvement．We must take greater care with our seed corn；and th

One of the greatest secrets in pasturing red clover or in fact clover of any kind，is not to al
low it to be eaten off when too young．Let it become comparatively well grown before turning
upon it．Seventy hogs pastured from July first until the middle of October on a five－acre field at the Guelph Prison farm this season，and did well． And the clover was growing well at the latter
date．Young clover is very sappy，and is not so good a feed，and is trampled down to a great－ er extent than the more mature． try with incher not be so．Surely Scotia－has，should not be dependent to a greate or lesser extent on the tender mercies of at seed grain，especially when we can raise equall good，and perhaps better，grain than we can buy farmers in thack of interest on

The value of sowing none but homergrown Government－inspected seed was perhaps neve brought so sternly to the notice of the farmer
of Nova Scotia as it was this year．The Gov－ of Nova，Scotia as it was this year．had；many had no home－grown seed，so they had to talse What they could get and run the risk，which re sulted disastrously for the harvests and pockets counties of Colchester，Pictou and Antigonish were defrauded by the notorious＂Anchor Eleva－ tor＂oats．These oats had been kiln－dried at a
Western elevator to prevent them from heating Western elevator to prevent them from heating and musting and were thus rendered worthless for East by the train－load and represented as No．
seed．Farmers bought and sowed them in good faith．To an inexperienced eye they looked like first－class seed ；they were plump，of good size， lacked germ vitality，which the farmers found out to their sorrow and the depletion of their poc kets when they had In some cases the farmers had their money refunded，but that did not help their ruined harvest any．But this is not the only instance in which sowing home－grown sed woing brought into the country grain infested with weed－seeds which，when sown，produces the result too often seen in the grain fields of our Province． The writer took the trouble one day this summer had been bought for feed and represented as double－screened grain．In that one handful there were found 203 weed－seeds， 133 seeds of other grains，a large percentage of unfilled hulls，and a
considerable amount of worthless material，such as chaff，damaged grain，etc．Of the 203 weed－ seeds， 52 were those of noxious weeds，such as Rib Grass，Curled Dock，Catch－1，Find Weed，and others．Some of the above mentione


## AGRICULTURE ON GOVERNMENT FARMS-IV.

THE PRISON FARM AT GUELP It would not be fitting to close a series of
articles on agriculture as it is carried on at our provincial institutions without a resume of this work Provincial Reformatory or Central Prison Farm, Guelph, Ontario. Born of an idea, which
had scarcely reached the embryonic stage in had scarcely reached the embryonic stage in
1907 ; conceived by the Hon. W. J. Hanna, Pro 1907; conceived by the Hon. W. J. Hanna, Procourage to carry them through, the Prison Farm became a reality in 1910, when in
April the first of the several smaller holdings which now comprise the 840 acres devoted to the misdemeanants became the property of the Provincial Government. Each of the several farms purchased had its own quota of farm buildings and it was in one of these stone farmhouses tha the first coner two guards, were housed during number, under experimental. stage of prison labor on the farm, or as it has been ably put, "the fresh-air cure for criminals." Few men, even among pris-
oners, will betray their trust. The experiment oners, wil success, and the number of prisoners moved from the cells in Toronto to the farm at Guelph has been gradually augmented until at the present time upwards of 300 are doing profitable work the best possible conditions in which pris oners could labor. Few guards are needed. The prisoners are their own guards to a large extent and no firearms are carried by any of the few paid guards in charge.
prisoners are known to all the officials, stand for no misdemeanors on the part of their fellows. They have privileges which they appreciate, and
folly understand the penalty for misbehavior. Consequently, although they at present all sleep in one large room, no rough house re-
sults. They go about their work quietly, sysstematically and cheerfully, laughing and chatting with an interest in the work in hand, which cannot but have an elevating effect upon their characters. They go away from the institution betgrapple with everyday life and far more likely to grappe a success of it than if their terms were
marke
draged out in cells behind thick walls of stone dragged out in cel
and bars of iron.
The idea was a sane one. The 840 acres purThe idea was a sane one. The 840 acres pur-
chased cost an average of $\$ 75$ per acre, and, considering the advantages, was cheap at the
price. Few better sites could be conceived for price. Few better sites coulundance of water is supplied by the Speed River traversing the property. One of the best stone quarries in the Dom-
inion is situated on the place. Dolomitic limestone in abundance furnishes work for many, and lime for building purposes. Rock is crushed for poses. Railways run through it, and last, but by no means least, the farm proper consists of soil peculiarly well suited for such a farm, rang
ing as it does all the way from a fairly heavy clay to gravel, and, in some places, even to for all classes of crops makes a widely diversified system of agriculture possible, and this is the only system for such a farm. There is high land and low land, heavy land and light and, west slopes, all good land for some particular crop, and all to be utilized to best advantage, both as regards prison labor and farm output. The farm is complete within itself. Every
thing is accomplished by prison labor. The new buildings now going up are built by the prisoners themselves. Not only do they do the building, but they manufacture the building material.
The stone is quarried, the lime is burnt, the cement tile are made ; the mason, carpenter, finishoutside assistance. It is an independen little city on a farm, where all the necess ties of the little community are met by the com The permenent buildings now under construction are two large dormitories, an administra tion building, guard-house and cell-fronts, bath-
house and laundry and a large industrial or me house and laundry and a large industrial or me
chanical building. er was one of the fridge large undertakings on th premises. Every iota of work connected there with was done by prison labor, and municipali-
ties desiring to build bridges of beauty and per-
manence would do well to inspect this one and take a lesson in architecture and workmanship. THE FARM PROPER.
No farm is a success without a practical farm not spring S. E. Todd, B. S. A., a graduate of
at the head of Government farms in Ontario.
He has now over 5,000 acres under his surveillance, and the Prison Farm is one of the most ing. About 730 acres comprise the farm proper ang. About 730 acres comprise the farm proper permanent pasture, for although mach of it is rough, it is gradually to be forced to yield to
the advance of the cultivator. At present the farm is being operated on the plan of four-year farm is being operated on the plan of a four-year followed by a hoed crop and then a grain crop. This is to gradually give way to a three-yea ystem, eliminating one of the hay crops. Thi
year twenty-eight acres of alfalfa were grown year twenty-eight acres of alfalia were grown
and this has been increased for next year by fifty acres of new seeding, at twenty pounds py
acre. Fifty acres of corn, forty-ive acres of po acre. Fifty acres of corn, forty-five acres of po-
tatoes and twenty-five acres of mangels and other roots are grown annually, Red clover is one o the best catches of new seeding were noticed here that the writer has ever seen. While this
was a very favorable season for seed catches Was a very favorable season for seed catches, Mr due to a fairly heavy seeding, twelve pounds of red clover and six pounds of timothy being sown per acre. There is no doubt but that a good up each year as direct consequence of sowing too little seed. While much of the red clover has a very large top : for the first season's growth no bad resuits from snow-smothering are looke ped, as it ior, ped, as it was deemed necessary to
caution to save it from this danger.
While the elevation at Guelph and the situa tion, being so far inland, are not the best suited for fruit-growing, an eighteen-acre orchard was planted last year, and the trees have done
remarkably well. The filler system was used, the rows of trees being set thirty-five feet apart and the trees in the rows $17 \frac{1}{3}$ feet, every sec ond tree being a filler of the Wealthy or Duchess ander varieties have been extensively planted, be ing hardy trees, and good bearers of fruit of high quality. Few Northern Spys were set, as these do not stand the climate well in that district. Plums, cherries, pears and bush fru The horse and hog barns and farm build ings other than the dairy barn are not yet built the old buildings on the original farms being used for the purpose of accommodating these Yorkshire breed, and a better type of bacon brood sows, young pigs and shoats is seldom seen. The pigg are fed of as economically as possible. Pasand to show what is possible in this connection, we cite the case of seventy hogs which have been pastured on five acres of red clover since July first, during which time they have received only twenty-five pounds of grain daily, and at time of writing were as fine a lot of hogs ready for the The secret of the clover standing the pesturing so well was that it was not turned upon too early in the season. It had got past the soft, upon it, and consequently it withstood their onslaught much better than it otherwise would have done.

THE DAIRY BARN A COW PALACE.
The casual observer of farm outbuildings pays
little or no attention to architecture, yet architecture is supposed to be an expression of netional life and character. Such was the Gothic, the Greek, the Roman, the Mediaeval and Renais-
sance architecture. It is true, however, that
armer's outbuildings are more or less of an indiarm is something entirely The dairy barn on this and for eatness and outward appearance has fow equals.
t is like the whole scheme, a result of ideas, no only of the Provincial Secretary, but also of his assistant. S. A. Armstrong, whose fertile brain conceived many entirely new practical devices in connection with the barn, as well as in the erec
tion of the other buildings at the institution. The of the other buildings at the institution
barns are T shaped, the foed storag barn being placed across the end at right angles to the dairy barn proper, and in each of the corners where these two join a cement silo, eigh
teen feet by thirty feet, is erected as part of the wall of the main building. This gives the silos whe appearance of being a part of the main build ing, which they are, and their large, rowind walls and nicely pitched, round roofs would vie in at
tractiveness with the bay windows on a fancy city residence. The silo is not a detached. semi-detached portion; it is an integral part the structure. To protect the silage from freez
ing the inside walls of the two silos are ing the inside walls of the two silos are to be
lined with four-inch hollow-cement The paith four-inch hollow-cement tile.
To its general ap the building adds much conglomeration of colors thrown together, the body of the bulling being simply a derk ereen,
trimmed with white, and the roof amber colored These blend well together and have a The cow stable is 162 feet long and 89 feet wide, and has stalls for eighty cows. The stable storey being one-hal storey structure, the int storey being of hollow-cement tile, eight The inchel
thick, which insures proper insulation. The wall is strengthened by buttresses, being simply cement tile poured solid with concrete, the upper portion clap-boarded. At the extreme end full width of the building and 35 feet the one side of which is to be divided into four maternity box stalls, eight feet by fourteen feet. The other half of this annex is to be used as an
outlet for the manure, four openings being left, into which wagons or manure spreadere mey be backed, and the litter carriers emptied directly
into them. The manure is to be drawn away as into them.
fast as made.
The feed barn is 80 feet long and 441 feet wide. It is built on eighteen-foot posts and is ingle drive construction. It is entered by a bays for grain, hay and straw . The space between and beyond the silos, above the cow stable, is used as a granary, and is used as space above the cow barn proper machinery and farm tools.
The cow stable is divided into two rowe of stalls and four sections. Each row accommodates 40 head and each section 20 head. The stalls are graduated according to the site of the
cows, being from four feet nine inches to flve feet cows, being from four feet nine inches to five feet nine inches in length and three feet six inches
wide. The stalls are floored with cork brick-a mikwide. The stalls are noored with cork brick-a mixperfectly dry, never slippery, and, compared with cement, warm. The cows stand facing the light, with the litter passage, 11 feet wide, in the center of the barn, and the feed alleys, five foet wite,
along the outside walls. The mangers are bullt of cement, with the bottom corners rounded, and the fronts about a foot higher than the floor of the feed passage to prevent feed being wasted.
The mangers are continuous, and the cattle are The mangers are continuous, and the cattle are galvanized-iron manger partitions, fastened on a continuous angle iron and hung in weights, so
that they may be dropped into the manger before that they may be dropped into the manger belore
feeding the cows, and thus keep each cow's por-
tion entirely separated from her nearest neigh-


The Dairy Barn on the Prison Farm.
One of the most complete dairy barns in America.


Interior of Dairy Barn.
Cattle stand back to bick. Each side is divided into two sections, 20 cows to a section.
bor's, and when the cows are through with the only a short time, but individual milk records to be thoroughly flushed out. All the cows are tied with stanchions. The system of disposing of the drainage liquid manure is an up-to-date one. Drains carry this material from either end of the stable to the center, where they join into one large main, lead-
ing out to a large concrete cistern, with a tight ing out to a large concrete cistern, with a tight
concrete top. This cistern is fifteen feet deep, eighteen feet in diameter. From it the liquid is pumped into a tank and applied to the land as
required. is undoubtedly one of the greatest factors in the prevention of disease, and it is well considered in this barn, where there is a window every five feet on eithor side containing twelve
lights ten inches square, the uppermost row of lights ten inches square, the uppermost row
panes being separate from the main window as a fan-light or transom. Besides being used for light, these windows are the inlets of the ventilation system. The windows and the fan-lights are hinged at the bottom; the windows are placed
about two and one-half feet from the floor of the stable, and are so hung as open into the stable about ten or twelve inches at the top, being held there by a simple device, in the stable to prevent direct draft. The system is known as the Armstrong window-valve system, and is the design of the Assistant Provincial Secretary. The outlets are placed every
eight feet in the hollow cement-tile wall directly eight feet in the hollow cement-tile wall directly side to strengthen it. These hollow tile carry the foul air up to the celing of the stable, where they connect with galvanized pipes running to the A space of twenty-three feet the cow stable and feedtbarn basement is used as a mixing room. This is directly between the two silos, which have chutes built up them to be utilized for hay and straw, as well as for the silage.
The calf and bull stalls are under the feed barn, one end being used for the calves, the other for the bulls. There are six calf stalls, with stanchions to tie forty-eight calves. The calves
are all tied while drinking or feeding. This has are all tied while drinking or feeding. The bad habit of "sucking." All that is necessary is to keep them tied about twenty minutes after they
are fed. are fed. The calf mangers are of cement, just
wide enough to set a pail in. Milk and water is fed from the pail. This is to ensure cleanliness. The partitions between each two stalls' are removable to make one larger stall if desired. The bull stalls are end able partitions are metal
The root cellur is situated under the barn approach. At present this is all whitewashed, and
is being used as a dairy, the butter being manuis being used as a dairy, the hutter being ma
factured by prison labor in this room.

THE HERD ANI FUTURE PLANS
The dairy herd as at present constituted con-
sists of fifty cows in milk and firty-five promising young heifers coming on of grade Hol
stein breeding. This herd has bren established
are being kept, and the butter-fat test is used as
well in the determining of the good and the poor cows. The herd is being improved by judicious Guelph on this basis, and in the near future the Guelph Prison Farm will have one of the best and, one of the largest herds in America, for it the one now constructed, and to put up a the one now constructed, and to put up a mod-
ern butter factory between the two, where butter will be made for all the Government institutions in the Province. The milk from the cows will be placed in cans on a steel track, leading directly from the stables to the factory, where it will be pasteurized, separated, cooled, the cream ripened
and churned, the butter made up and placed in a refrigerator to remain until needed. This facrerigerator we completed by the New Year A new material is being used in the stuccoing of all the cement structures inside and out. It nesia-calcium, made up of 85 per cent. hydrated lime and 15 per cent. alca, and capable of hold-
ing up to six parts of sand to one of the coming up to six parts of sand to one of the com-
bination. It makes an economic finish of gran-ite-hardness, waterproof, at less cost than plaster.


Feed Passage in Dairy Barn
with galvanized destroyed without injury to growing crops.
The four articles, of which this forms final, have dealt with agriculture on the farms of as many Provincial institutions. A good and and in whe advance of agriculture the inmates good imitators, and while it is impossible to fol low all the agricultural undertakings as they are worked out in connection with these farms, there are many commendable features which may be imitated on a smaller scale by the man on
fifty, one-hundred or two-hundred-acre farm. It isn't the magnitude of the work that should ap peal to the average farmer most, while this is a
strong point in favor strong point in favor of the project as it applies taking, but it is the curative syide of the under-
No farm should be oneraled without a system. No Rotations are necessary on every farm. Dairy records are the only true measure of the herd. Light, ventilation and sanitation are necessary in every stable
Weeds and diseases must succumb or the crops will. The right crops must be grown on each field to produce most suitable feed. Spraying, pruning and orchard cultivation are absolutely necessary to success. These are a few of the
points touched upon in these articles. There are others. Ideas in constructing buildings and lay THE VALUE OF THE WORK This is the beginning of the work on the farm, This fall a large portion of the plowed land is being ridged up for the winter. The farm is to Experiments will be conducted on a large scale, un Experiments will be conducted on a large scale, un
der conditions as they obtain on the average arm. Nothing will be bought that can be pro duced on the place. For instance, shade and ornamental trees and shrubs are needed, and all these are being propagated in a two-acre nursery
on the farm. During the next few months new pig-pens, horse barns and other farm buildings will be erected with just as much concern as was exercised in the building of the dairy barn. Al the work will be done with the labor at the farm
and in another twelve-month it will likely be the cost equipped 840 acres in Ontario.
The work that Mr. Todd and the superintend ents and farm managers of the several Provincia institutions in Ontario are doing is a work which
farmers generally would do well to follow. For an example, this year has been particularly favorable to the spread of potato-blight and many growers have lost heavily. The potatoes at these
institutions have been kept thoroughly sprayed institutions have been kept thoroughly sprayed,
and the blight was checked to such an extent as to do little or no damage. This spraying was
not done on one acre, or ten acres, but on hun-
dreds of acres, situated in several parts of the dreds of acres, situated in several parts of the
Province. Surely spraying is effective in the Province. Surely spraying is effective in the
control of potato-blight. In this connection it may be mentioned that the Delaware variety ha proven very successful and is of finest quality.
Another instance of a good example for far mers was in the mustard spraying as carried on ly purchased, was badly overrun with wild mustard, and last spring over one hundred acres of this was sprayed with blue-stone solution an

## ing out fie may be ap try. The culture

ing out fields have been brought out. All these
may be applied on the general farms of the coun try. There are practical lessons for all in agricultur

Co-operative Buying of Seeds. sadtor "The Farmer's Advocate":
I have just read with much interest, your article on page 1198 of the Oct. 17 th number of dvocate, in relerence to Home Grown Roots, and wish it.

I have been for five years, Secretary of the Ottawa Branch of the Ontario Vegetalble Growers' Association, and for three years a member of the all know, our members are dependent for their uccess or failure, very largely on the quality the seed they secure. We are aware that the bulk of the root crop seeds are procured from Furope while the onions, corn, melons, cucumbers are chiefly bought in the U. S.
Now if there is anything we can learn about seeds, we are anxious to hear it, and we have been anxious for many years to get all the information we can get on this subject. Some of the information we have got tells that most of the Canadian seedsmen are reliable and honorable men, and we believe as a rule buy the very best seed large old established, growers of all kinds of are who cannat be tempted to substitute or send out poor quality seed. Then how does it happen that e buy one year, from a certain seedsman White Beigian Carrot seed, and get one of the finest ops it has ever delighted one's eyes to look pon, while the same variety, sage field the same seedsman, sown on the ame field, only on a fresh plot, we get almost ot believe any seed arower Now we do out in that any seed grower ever sent that seed dealer destroying his we never heard of, a seed when the new crop comes in se we believe that
 this, done year after year, thus we met and seed, some two years old, some three some fresh and so on. Now I do not say they are to blame or this, for I admit that there has been a great tendency among planters to buy cheap seed, and waste, but I believe this practice is chiefly no sponsible for the'poorly germinated crops throughout the country. I think all will admit that a
dollar thus saved, generally means many dollars dollar thus saved, generally means many dollars
lost.
However, the members of the Ottawa Branch
the Ontario Vegetable Growers' Astan mostly men who understand the very great impornice of good seed, and are willing to pay the but it is not always, and we have been fooled so few seeds direct from one of the largest growers in Europe, and consequently sent to Denmark for
our calbbage, cauliflower, and some of our root seed. The result was a marvel Caul foot seed that cost us $\$ 2.00$ per ounce before, cost us
only 80 , Cauliflower only 80 cents an ounce, and the other seeds were equally low in price, while the vitality was by
long odids the highest we had had for many years We were encouraged to try the experiment again, and sent the next season for most of our requirements in the lines usually bought there, and were surprised to hear that our order had
been held up by the Canadian seed dealers, from whom we had been buying previously, and paying
them big profits, for which often proved very poor them big profits, for which often proved very poor
seed. They had successfully blocked our orseed. They had successfully blocked our else-
der, and it then being too late to order
where in turo where in Europe, we bought from a small Can-
adian Grower. In placing our order we tried to impress on them that we wanted the best obtainabe, and that if the seed proved satisfactory we ly amounted to several hundreds of dollars. But they fell down sadly, and sent us the worst dose
we ever had we ever had. Some lines were so full of stems and
dirt we could not sow them with the drill, others
were were and mixtures of nearly everything they ev
had, and in several cases not a single seed ger minated to tell us what it was. Tris cost o members several hundreds of dollars in loss of La vear we found another grower in Europe.
Whos business is world-wide, and so extensive that cy refuse to be held up by any combination
of dors, and we bought from them the Snowball caul. ver at 62 cents per ounce. Canadian
deale rices were $\$ 200$ per

Chantenay carrot seed for $\$ 1.10$ per pound, Can-
adian dealers' prices, $\$ 2.50$ and $\$ 2.25$. We beng Hollow Crown parsnip seed for 14 . We bought pound, Canadian dealers' price ${ }^{14}$ cents per
things were other things were equally low, and the only comptaint I have heard was that the vitality was too high, and the crop was too thick. One of our growers planted.'
By buying our seed co-operatively, from the
growers, direct, growers, direct, our Branch would save fully
$\$ 500$, and get besides an average $\$ 1,000$ more crop from our land.. In other words the Ottawa Branck, by co-operation will profit in the future, to the extent of about $\$ 1,500$ annual-
Then why not the farmers all co-operate through their clubs and if they would only stand them, and get a share of the profits made on the sale of seeds, as well as be reasonably sure of the good quality
rive from our organizationly advantages we demonth during summer in two or three of our gardens, where we see the various varieties bought from various sources, as they grow, and we also tivation, labor-saving methods in variety, culetc., but most important of all, we are cultivating the most important crop-brotherly love and respect for and confidence in each other, and we
have one of the most harmonious organization in Canada, whose members work together for each other's yood, thus reaping for themselves the rich harvest of satisfaction, and confidence and respect
of our fellow members.
But I agree with the article in your paper, that it is a good idea (in some cases) for the
farmer to grow his own seed, but in this age of farmer to grow his own seed, but in this age of high cost and poor quality of hired help, most few dollars worth of seed they require, if they can buy good quality from the large growers at such prices as we are able to buy at, especially
when we get such high quality when we get such high quality. But there are
cases where the boys may be given an interest in agriculture, by having them grow enough seed to supply the farmer, and some to sell for pocket money. But if properly grown and cleaned so as more than there is much money in.
The co-operative purchasing of such important commodities as seed is in my opinion of very great importance, in the production of good crops,
and in cementing the farmers together in a spirit of good-fellowship, and brotherly love, if the proper course has been followed.
Carleton Co., Ontario.

All agriculture rests upon soil fertility. Th plant food in most so ls is not inexhaustible. That duction must be returned or future crops will nobe so abundant. $\qquad$
Make a record of needed repairs to machinory as it is being stored for the winter, and see that
the repairs are made before the next cultivating

Three English Dairy Maids

## THE DAIRY.

Cost of Producing milk in Ohio. The people of cities who complain about the high price of milk may be interested in knowing
what it costs to produce good marketable milk. An investigation made last year by the Dairy De An investigation made last year by the Dairy Department, the College of Agriculture, Ohio Stato
University, shows that the average cost of ducing a gallon of milk in Ohio io about 25 cents, per cow per year as the averame milk per cow per year as the average milk production.
This takes into consideration the cost of feods, labor, interest on investment, maintenance, insurance, taxes, etc. When the average milk production per cow is increased the cost is decreased. quart, making cost of distribution is 91 conts por the cost of producing milk and delivering it to the consumer. This means that when milk to-
tails ate 10 cents a quart, the average producer tails at
and distributor is a quaking little or no profit in the transaction. Where high producing cows are
kept, and economic methods of handing owd die kept, anid economic methods of handling and disfigures are greatly reduced, and there is above digures are greatly reduced, and there is a fair
profit in the dairy business.
However, it is the average producer, who keeps average cows, the in-
creasing cost of teeds and labor, and the greater creasing cost of feeds and labor, and the greater demand for sanitary conditions
tributing to the high price of milk.

## Fat Content and Milk Price.

Editor "The Farmer's Adroate e: :
The proposal of a new products factory being estabished is to pay prospective patrons ior their whole milk at the rate of 40 cents per are to pay for or draw their own milk to the factory, it will be advisable for us to consider of milk necessarily 'required, what would be a fair rate in these days, when the cost of production has risen so high, and the cheese factories years are giving us such satisfactory returns. It might be well to have some discussion on this subbect in The Farmer's Advocate, and also on the home use of the Babcock test. We must re-
member that 40 cents per pound of lat rate will member that 40 cents per pound of fat rate will
mean for three per cent. milk only $\$ 1.20$ per 100 libs.; for three and one-half per cent. milik $\$ 1.40$ per 100 lbs ., and for four per cent. milk, which
I fear few herds will nowadays reach 81 , fear few herds will nowadays reach, $\$ 1.60$ per
100 lbs. And then the patrons recoive no 100 lhs. And then the patrons receive no by-
product, like skim milk or whey for feeding, prouct, mike skim miluk or whey for feeding,
which means less valuable manure for the fields which will then have to be procured by purchase if the fertility of the soil is to be keptiup. Re-
turns for the whole milk must be larger to proturns for the whole milk must be larger to pro-
vide for this.
The taking of samples and making the fat test will become important factors in deterinining the returns the patrons will receive.
Middlesex Co., Onts Middlesex Co., Ont.
Note. - For a Note.-For a change, why should not the
patrons, by concerted action, decide what they should receive for their milk, and then stand together ?-Editor.


## Roots fop Daipy Cows

The Edinburgh and East of Scotland College of Agriculture has conducted some experiments
with sixty dairy Shorthorn cows to ascertain the value of roots in feeding dairy cows. Twenty cows were used for this purpose in 1909, twontytwo in 1910, and eightten in 1911. Two rations were used, one called the turnip ration, the other the concentrate ration. The turnip ration was
made up of 2 lbs. bean meal, 2 lbs. bran, 112 inade up of 2 lbs. bean meal, 2 los. bran, 112 ratio of 1 to 14, and a total dry matter in the ration of 28.6 lbs. The concentrate ration con-
sisted of 2 lbs. bean meal, 2 lbs. bran, 4 lbs. sisted of 2 lbs. bean meal, 2 lbs. bran, $4^{4}$ lbs.
pea meal, 2 lbs. dried brewers' grains, 14 lbs. pea meal, 2 libs. dried brewers grains, 14 lbs.
turnips, and 15 lbs . hay, an' albuminoid ratio of 1 to 7.6, and the dry matter 26.7 lbs. Straw was supplied to each lot of cows. The turnip ration had only four pounds of concentrate ma-
terial, but it had the most dry matter. The results of the three years' experiment showed that in yield the concentrate ration gave better results than the turnip ration, but in the amount
of fat produced in the butter the turnip ration of fat produced
scored a success.

The following conclusions were arrived at

1. The feeding of a ration containing a large quantity of water does not increase the percentage of water in the milk or reduce the percentage 2. In 2. In all the experiments the greater yield of
mik was obtained from the cows on' the concen-
trated ration. On the other hand trated ration. On the other hand, the milk from percentage fat and a greater contal weight of fat was recorded in the milk.
2. The cost of production, when allowance was made for the percentage of fat in the milk, Was less in the case of the turnip ration. of both lots of cows was satisfactory.
5 . While the milk of individual cows frequent5. While the milk of individual cows frequent-
ly contained less than' 3 per cent. fat, the perly contained less than' 3 per cent. fat, the per-
centages of fat and solids, not fat in the mixed centages of fat and solids, not fat in the
milk of both lots, practically never fell below 3 per cent. and 8.5 per cent.,
the course of the experiments.

## GARDEN \% ORCHARD

Stoping Vegetables. A writer in the American Cultivator gives the onowing advice to vegetable growers. If the farmer will construct a root cellar away cam the buildings and cover it with earth, he can keep many and sell them at an excellent profit the spring, and sell them at an excellent profit. poses. In order that vegetables may keep well, they should hate a uniform temperature, darkness and some degree of moisture, A temperature of
about 40 should be maintained as far as possible.

In mid-winter the aim should be to keep the cold per acre, net, may be counted upon in this coun out and in the spring to keep it in. One or two try for the area under fruit, In many sections lighted lanterns will help. to increase the warmath, sun gets higher, will aid in keeping the frost in the ground until late in the season.
Probably the best. storage cellar is made with
roof, sides and floor of cement. Such a cellar roof, sides and floor of cement. Such a cellar
covered with earth will give the utmost satisfaction. A stone cellar will also prove efficient, and one built of boards is much better than none at
all, although a little more care will be required all, although a little more c
to keep thie conditions right.
It is always well to lay tile drains with proper outlets under a cellar of this kind, and to provide a ventilator. It is important, too, to have through, but after the vegetables have been stored for the winter, as little light as possible should be admitted, and the temperature should not be is sure to result in loss.
The earth covering is important for two rea-sons-it aids in keeping the cold out in winter and the heat in spring, and it supplies just about
the right amount of moisture. Such a cellar the right amount of moisture. Such a cellar
may be built anywhere, but of course there is some economy in labor if it is placed on or rather in a side hill.

## Advantages of Fruit Growing for

 Small Farms.which are possessed the many other advantages which are possessed by a section of country de-
voted to the growing of fruits of various kinds voted to the growing of fruits of various kinds
is the tendency to sub-divide large farms into smaller holdings," says Wm. H. Bunting, concluding his recently-published report on fruit-
growing conditions in Canada. "Professor Wargrowing conditions in Canada. "Professor War
ren, of Cornell University, head of the Depart ment of Farm Management, after a thorough sur vey of two of the more important counties o New York State, devoted largely to general farm-
ing, sums up the limit of profitable farm manage ing, sums up the limit of profitable farm manage
ment as being in inverse ratio from the smalle holdings to the farm of at least two hundred acres, under which the greatest efficiency may be
obtained with a minimum of expense. He shows obtained with a minimum of expense. He shows
by actual data that 90 per cent. of the farmers by actual data that 90 per cent. of the farmers
in these counties whose farms do not exceed thirty acres in extent, receive less than $\$ 500$ per annum net for their labor. On the farms of 200 acres and over, only one-third of the farmers re-
ceive $\$ 1,000$ and over as a reward for their labor in the course of the year.
"When we come to compare these figures wit the average come to compare these figures with plantation. one year with another, there is a
marked difference. Net returns from $\$ 50$ to $\$ 200$ per acre and even more are not at all unusual and it is safe to say, from a perusal of the replies received from over one hundred and fifty correspondents in all parts of Canada in answer
to an enquiry on this subject, that at least $\$ 50$ farms of one and two hundred acres, which were returning their owners not more than a comfort
able living while devoted to general farming able living while devoted to general farming, are
now supporting from six to twelve families who now supporting from six to twelve families who
are devoting their energies to fruit culture, and doing so successfully.
"Fruit-growing furnishes pleasant and profit
able employment to all the members of the fam able employment to all the members of the fam
ily, encourages the sub-dividing of the land ily, encourages the sub-dividing of the land into
smaller holdings, gives social and educational advantages, leads to the establishment of many allied industries in the district, and in many other ways adds materiall
wealth of the community."

## Fruit Growing in Canada

 A year ago the Department of Agricultire a Cold Storage the Branch of the Dairy and vestigation of the fruit growing conditions throughout Canada. The enquiv fruit entruste St. Catharines, Ont., who secured as much infor mation as possible on the following points :1. The possibilities of an extension of thit growing industry of Canada in the differe fruit growing ind.localities visited.
2. The tendenc
ing and growing of different kinds of the thanting and growing of different kinds of fruit, and
with regard to apples, the varieties which are being most extensively planted in the different districts. The difficulties which are likely to be en-
3. of the fruit 4. Methods of production and orchard mange ment which have been most successful. in the diproduction. 5. The conditions under which British Colum-
bia, Ontario and Maritime Province fruit is bia, Ontario and Maritime Province fruit is marketed in the prairie Provinces as well as the The enquiry was concluded in due time, and the report has been printed for general distribution. It contains a large amount of detailed information gathered in every province, making it
añ invaluable guide to persons who desire to take up fruit growing as an industry. In his general conclusions Mr. Bunting points reward to the man of energy patience and perserverance, there is perhaps no phase of agricultural endeavor which reauires to be more closely studied, and in which a wider range of informaof the industry desirable and necessary. The future it is to-day, the prospects never more attractive, nor the field of extensive effort in all fruit growing provinces more inviting. The report which contains eighty-four printed pages and many illustrations, is available to all who apply for it to the Publications Branch the Department of Agriculture, Ottawa, Ont.

Onion Rots in Stopage.


Bellsland Nan 4th (imp.)
Ayrshire cow: champion female of the breed, at Westurn Fair, London, 1912. Ownech hy Alex
Thlletin 214 of the Ohio Experiment Stati dealing with onion rots, says: Onion rots
a. serious matter with onion growers, and onion dealers as well. It has been found that particular varieties of onions in our climate are susceptible to special diseases. For this reason we
must consider white onions, such as White Silmust consider white onions, such as White Sil-
verskin, White King. etc., in a separate class from the rots of red and yellow onions, such as he Globe and Wethersfield varieties.
With the white onions the problem is partly a
field problem at selo problem at harvest time and partly one of
storace growers are in the habit of gathering the white orowers are in the habit of gath-
topning hefore the tops fall and topning them immediately, instead of throwing Nepther in hears for absorntion of the substance
of the tons by the onion bulbs, as is practiced
with then with the riper red and vellow varieties. Atter
tonoing, the white onions are placed in slatted tonning, the white onions are placed in slatted
crates, and these crates are stacked in the field
 the loss from rot during the six weeks following
haryest may reach fon per cent. of the crop, and, as shown by invectirations in Conecticut and
Ohio, it has not alwars been clear why these Ohin, it has not alwavs heen clear why these
losses are so large. Recent investigations lead us to helieve that the green onion neck of white
oninns handled in this way affords entrance for nears to be the most (serions. although smudge or anthracnose of the onion (Vermiculara circinans) that sometimes canse large losses. It is believed This disinfection mav he carried out ac harvest. minder the wrine formula for formaldehyde-gas treat :nent. Which consists of commercial 40 per
cent. formaldehyde. 3 pounds. manemmate cristals, ${ }_{2}^{2}$ pounds; potassium per punces, sufficient for 1 .

Enclose open tiers or piles of slat crates filled with dry onions, potatoes, etc., in tight room or
oiled test of canvas buried in earth about the
Generate the formaldehyde gas in a flatbase. Generate the formaldehyde gas in a flat-
bottomed dish or pan of adequate capacity by placing one of the materials, as the liquid for-
maldehyde, in the pan, and adding the other the maldehyde, in the pan, and ading the other the gation of seed potatoes for scab, sweet potatoes
for rot troubles, and to newly-gathered, dry nions before storing for winter.
The object of immediate disinfection is to pre-
vent the entrance of these organisms, particularly the sclerotium rot, through the green neck of the newly-topped onions. The exuding juices of
fer favorable culture conditions for the fungus to fer favor
develop.

When no fumigation is practiced following harvest the onions which are found to be sound and delivered ior storage profitably be treated in this way betially dry-rots of onions. In addition, we hav wet-rot of white onions, which may be either due to bacteria or to the same fungus as the wet-ro
of Globe or other onions mentioned below.
The rots of yellow and red onions are of both
the wet-rot and dry-rot types, but the wet-rots
are much more serious with these varieties Doubtless as in all vegetables held for a long
time in storage, we have many cases of wet-rot time in storage, we have many cases of wet-ro
in onions where some of the common decay bac teria are the chief cause. These find entrance through wounds as in topping, and, under condi-
tions favorable for their development, invade the tions favorable for their development, invade the In addition, however, to the wet-rots, due to In addition, however, to the wet-rots, due to
bacteria of undetermined species, we have a speci-
fic wet-rot of onions due to Fusarium species. fic wet-rot of onions due to Fusarium species.
This wet-rot soils in which onions are grown year after year. Rotted onions will show external developments of
the pink fungus, and may be detected in that way the pink fungus, and may be detected in that way
as well as by the use of the microscope. The chief factors of control with onions of this kind the crop. The best temperatures for onion storage are about 38 to 42 degrees $F$.
This season has been one which has served to bring before many apple growers the need of a
Fruit Grower's Association in their district.
Where well managed associations are in Where well managed associations are in operation, good prices and ready sales have been obtained,
but where the grower was forced to rely upon the apple buyer the price offered has been very small, and he has experienced dilficulty in getting the apples picked and packed. If the need has been
felt in your locality, now is the time to organize. Strike while the iron is hot. Call a meeting' and talk the matter over, then if sufficient interest is taken, organize at once, and be ready to handle
next year's crop. Better fruit and better marketnext year's crop. Better fruit and better, market-
ing facilities will result.
One of the best ways to increase the demand for apples or fruits of any kind is to encourage
the people to use more of them, and the best the people to use more of them, and put up
means of increasing consumption is to put
nothing but the best quality in the different grades.

Editor "The Farmer's Advocate" :
In the scratching shed for your fowl there is nothing better than straw chaff or clover tops, and this should be at least eight inches deep.
All the whole grain should be fed in this litter to induce exercise. Dried leaves are also suit able and have the advantage of being exceedingly
cheap. Some poultry-keepers make a point of cheap. Some poultry-keepers make a point of the whole winter and store them away in sack or barrels.
A point oflen overlooked is that mongrels
cost as much to keep as pure-bred fowl, and the
present cost as much to keep as pure-bred fowl, and the
present month is an excellent time to arrange a purchase of next year's stock, if you have not already good stock. Young stock if purchased
now will have matured and settled down in their now will have matured and settled down in their
new quarters before winter sets in. Ordinary utility stock, even from a trap-nested, pedigreed strain is not very expensive, but it is wise to pay a reasonable price ecure a bargain at cheap rates. Many poultry-keepers make a practice each year of killing off or disposing of all unnecessary stock during this month to provide room for growing stock, and splendid bargains may
often be secured from them. The greatest misoften is for the beginner to commence operations with mediocre stock-a policy which usually ends in failure and disgust. A first purchase often
makes or mars a poultry-keeper whether he starts makes or mars a poultry-keepe,
in on a large or a small scale,
When the first season is crowned with success
he is enthusiastic and stimulated for further effort, whereas a failure the first year very often
leads to more failures the next year and the leads to more fallures the next yeart and mate "dropping out" of what might haved a first-class poultryman.


Sensation
A single apple tree will not infrequently yield
more cash profit than an acre of land devoted to
general farm general farm crops

## POULTRV

placed in long poultry houses every fifty feet. A two-year-old or three-year-old hen is safer For curtain-front poultry houses, a good rule is one-third glass, one-third choth and
boards. The chief objection to curtain-fronts is dirt, tion of air. Two hundred birds to the acre is just about
the limit where they are to remain year after Where mixed farming is carried on, a flock of
100 laying hens is about enough per 100 acres of 100 laying hens is about enough per 100 acres o
land. Kill or dispose of all the cockerels not needed for breeding purposes. It costs
annum to feed each male bird. In some large poultry plants the labor requir-
ed to care for the poultry is figured at one-quar-
ter of the cost of feed.
ecomes overcharged and disease frequently fol
lows.
House scraps should alwavs be utilized for the fowls, and these boiled up with water or milk, and mixed into a crumbly mash with shorts or provender, make an economical as well as an e-
cellent breakfast for the fowl. Carleton Co., Ont.

## Ducks.

Readers of The Farmer's Advocate have re-
cently had their attention called to the habits cently had their attention called to the habits also by "A Poem to Order on Ducks." Now ducks are a part of the poultry crop on many writer in one of our American contemporaries thus describes ducks: "It takes four weeks of profound uncertainty to hatch ducks, after which lowing order-(1) their bills, (2) their feet, (8) the duck proper. would prove that it wasn't by eating it. "Each shining hour seems to be plenty good enough just as it stands for ducks. it, they swallow him on the spot.
"The duck never lays a golden egg, being no such goose.

## THE FARM BULLETIN

## Likes the Distpibutor.

Editor " The Farmer's Advocate":
The corn-harvester, as compared with the back-breaking sickle, is, in my experience, almos equalled by the corn-distributor in the silo as an efficient labor-saving contrivance. When 1 went to a tinsmithing establish in en'quire for such an outat, I found that thi man had a shoe a bis in the mer sow shan and description of the makitriber lear in the Weldwood silo distribe blbe the hood at the top which receives the stream of cut-corn from the blower pipe, had, he said, proved to be a decided advantage in lessening the wear on the back from the steady impact. He said they had turned out a lot of them from the pattern, with the best o satisfaction. I finally ordered one of 24 -gaus
galvanized 8 -inch iron pipe, $/$ six sections, each galvanized 8 -inch iron pipe, /Bix sections, each
five feet in length, jointed with rings and snaps:
 and the elbow complete, for the, sile I don't be
thought, but since filing the
grudge the outlay, for one man with a distribugrudge the outlay, for one man with a distribu-
tor can make a better job more eesily than two tor can make a better job more easily than two
men with forks. One man should handle the dismen with forks. One man shouid handie the aipd
, tributor pipe and another do the tramping, and
the silo will be well flled. The grain and stalks tributor pipe be well filled. The grain and stalks
the silo will be
will be evenly mixed, which is hardly possible with forks. The sections are removed as the
mass of corn rises in the silo, and care need be mass of corn rises in the siro, and carpended, the corn should not be allowed to rise above the opening
of the discharge pipe, choking it up and liable to of the discharge pipe, choking it up and ratly in-
occasion a burst in the blower. I am greatlo
debted to Weldwood and The Farmer's Advocate debited to Weldwood and The Farmer's Advocate
for calling my attention to such a simple and sensible plan in silo-filling. To be relieved of the constant pelting from the falling cobs and stalks by the or it process no other advantage. It' a good scheme. Thanks !

## Ohio's Largest Consolidated

 School.Jackson Township, Pickaway County, boasts of being the largest centralized schiool district in the state, comprising as it school building, costing over $\$ 30,000$, was recently dedicated by , the people of the township. It has eight rooms, an auditorium, a chemical and physical library, and
an office for the superintendent. Scientific apparatus and books for the library have been purchased to the amount of $\$ 500$. The building is equipped with running water and all other mod
ern conveniences, including sanitary drinking ern conveniences, including sanitary drinkimg
fountains. A gasoline engine is used to pump the water supply. Eleven schools in the township have been closed by centralization. The buildings have already been sold at auction, as
the people have no idea of ever returning to the the people have no idea of ever returning to the
old system. Two hundred and twenty-five pupil old system. Two hundred and twenty-five pupis
are enrolled in the school, thirty of which are in are high school. Ten wagons are used to haul the pupils to and from school. Excluding the cost of the high school, the expenses are less than under the mold
superintendent.

## THE FARMER'S ADVOCATE.

Apparently good apples are not so plentiful in the cities as we were lea to suppose earlier in the ed orders that I cannot fill for about fifty barrell. One order from Ottawa offered three dol-
lars f.o.b. at Appin for lars f.o.b. at Appin for twenty-four barrels of
Spies, and the others all expressed themselves Spies, and the others all expressed themselves as
willing to pay whatever $I$ asked $\begin{aligned} & I \text { think }\end{aligned}$ it would be an interesting experiment another year to run a small addvertisement in some city paper so as to get orders direct from the customer.
The great difflculty about this would, no doubt, be that all the customers would want Spies nothing but Spies. A few of my correspondents have been indefinite enough to say that what they but most' of them are guite explicit in sayng thes they want No. 1 Spies, Baldwins, or Greenings. If I yielded to their requests I 1 would, no doubt, be obliged to keep all the Peewaukees and Ben Davises, for, besides beling good apples, the Spies
can be used as a lever in moving the inferior varieties. Right here, it seems to me, that there is a point worth laying to heart. The people o the country are being educated to the fact that
only the best apples are worth paying ony the best apples are worth paying big prices
for, and the man planting out a young orchard Would be foolish to put out any but the established standard varieties. No matter how won-
derful new varieties may derful new varieties may look in the lithooraphed
catalogues, it may be hard to dispose of them to a properly-ducated public. There is little dan ger that such standards as the Baldwins and Spies will be supplanted by any other variety,
though I have heard it said that in a fev though I have heard it said that in a few genera-
tions they may possibly run out, just the same as potatoos run out. A prominent fruit-grower Was telling me some time ago that he has a cou$a$ hundred years old, and that were tratted over stock that went back almost to the original troe He told me that these Greenings are almost difierent apple from those now offered for sale,
and his explanation
was run out, just like the Early Rose potato bung has seem to have read somewhere that good potatoes are not goin'g to be allowed to run out any more The process is being reversed. By careful selec
tion better potatoes are new striains are being developed that are superio to the parent stock. I wonder if it is possible that instead of having thene with apples, so improve in quality. Of course working will improve in quality. of course working with
grafts is a diferent matter from reproducing from the seed, but I am getting to have a good deal of faith in the scientists, and shall not be
at all surprised to hear that, som at al surprised to hear that some Burbank has
discovered how to improve even our best apples,
by some kind of by some kind of grafting selection.

Death of Simpson Rennie The demise of Simpson Remie, formerly Scarboro Township, Ontario, and widely known moves a man who was highly respected by all certaing the pleasure of his acquaintance. He was ada, as anyone having been sliful farmers in Can his farm will cheerfully acknowledge. His pride in his farm was as boundless as his efforts to member of the Agricultural Club, formed in Scarboro Township thirty-five years ago, and attrisociation and exchange of thought withis as farmers, which to him was a pleasure generally gave more than he received. In 1883 , he won' the gold medal for the best-kept farm in he captured the sweenstakes prize for years later, in a similar competition. He retired from aric cive farming a few years ago, and resided in the on to lecture throughout the Province, and the ill meetings resulted in his death is said to have been which in a a crop competition. boro, in March, 1840, He was born in Scarthird year when his death occurred. Mr. Rennie was a man of sterling character, whose word was as good as his bond. He was a brother to Wilthe Rennie, for several years superintendent of died two years ago. He is survived by his wife,

A Churchless Community. In the United States a great deal of careful
esearch is being made in the conditions preval ing in ryral communities. From Vermont, in area where there is miles by thirteen miles worship, and that is a schoolhouce of Christian no church building. In this territory, during the three fourteen months, there were two murders, hree suicides and 13 , illegitimate births. It is district covers some one who is house in this little of"" mentally, either a member of the famy or a farm hand.
With good feed and care, it costs about ten eral-purpose breeds, and about hine of the genmonth for those of the non-sitting breeds.
October 1 st to November 15 th according
latitude is given as the best time for sowing latitude is given as the best time for sowing oats
in the United States Cotton belt
.


Poles Used in Canada. 1911 The Forestry Branch of the Departthe eompilition or statistics dealing
with the poles purchased in canda
during 1911.
 of 25 per cent. from 1910. The total
value of these opoleB at point of pur-
chase was $81,056,277$, and the averago price of poles was $\$ 1.80$, greater by 4 . cents than the price per pole in 1910
stam railways, telephone and telegrap Steam railways, telephone and telegraph
companies, used almost ninety per cent.
 cent. being used by electric railway,
power and light companies. over ninety
per cent. of the total consumption wis. eor cent. of the total consumption wer
edar poles, which, for their cost, give ceadr poes, which, for their cost,
better service than any other wood. present, practically none of these poles
are troited or preserved by any method,

in which respect Canada is is far beehind the United States. The United States | $\substack{\text { the } \\ \text { using } \\ \text { hat } \\ \text { hethoo }}$ |
| :---: | hat it paid theo to use preservative

hethods.
During the last four years the treatment of poles has advance rapidy; in 1910 over 21 per cent. of
the total number were treateod by the reosote or otter mothods. This is a number treated in 1909. At present, the United States have a large number
of timber - treating plants, while Canadian pole-users are only now beginning to traat their poles. 1 It is to be hoped
that this great inequality will soon b done away with, and that pole-users in Canada may take up this cheap and
rational method of securing greater ser-
vice from the poles used, and thus rational method or securing grea,
vice trom the poles use, and
lessen the drain on the torest.

Fipe Insupance Decision ment for $\$ 2,951.70$ in favor of George Patterson,
oxtord Farmers' Co. The plaintir's barn and imple
nent shed was destroyed by fire a year ago, and the company rerused to mee
his claim on the pround of nodiele his claim on the ground of non-disclos
ure of an incumbraco upon his property
in tavor of his mother. The declarahion that ther the agent's writing, and there was no it. Chief Justice Mulock holds that the probability is that the company would
have accepted the risk even had the in-
eumbrance been known.

Gossip.
BIG SHPMENT OF High - Grade
Ayrshire cows. Tuesday was a red cows.
ghire-breeders in Howick and the for Ayr ing district. The occasion was the
shipment of the largest lot of high grade Ayrshire ocws ever exported fron
Canada. The 217 cows, similar in colo
 and type, together in one herd, was a
sight not otten seen in Eastern Canada,
and a number of spectators were oon hand to see this large herd, which is be
ing taken to the
 fed milk is promuced for the Now Yorke
trade. The cows, ninety of which are in milk, the others due to freshen in in
the ner near uture, together with argis-
tered Ayshire bull
Burnside tered Ayrshire $\begin{aligned} & \text { bull, } \\ & \text { Cocade, } \\ & \text { Ournside } \\ & \text { Ormased } \\ & \text { Ond }\end{aligned}$ White
Robert McNeil Ormstown, were loaded on twelve cars,
and were taken through by Graind Trunk and were taken through by Graind Trunk
and Now York Central Railways, by special train, to their destination, ex-
pecting to make the journey in twentypecting to make the jour
six or twenty-elght hours.
make the purchases the riesident the Company, Geo. W. Tuttle, or Manager, Mr. Saccket, personally in
spected the animals before purchasing spected the animals before purchasing,
and supervised the testing with tubercu-
lin, and loading of the animals. To save delay at Malone, the port of entry, Dr. Main and U. S. Customs officer
Harman, came to Howick to inspect the animats as they were loaded. A claan
health bill was given with the animals as there is no contagious disease in the
district. of 222 cows tested. only one
reactod to the tuberculin test. which is a record any district may be proud as these cows were selected from the
many choice herds in the Counties
hateauquay, Beauharnois, and Hunting-
The sellers wero principally dairy
deen who produce mill for men who produce milk for the Montreal
mankeet, and the going out of so many
winter milkers wwill have tond winter milkers will have a tencency th
ut down the city supply
Many wit sold cows, did so reluctantly, but were
desirous of helping to institute what may be a big traipo in the institute what mat milk companies in New York find the
from Ayrshire cows quite suit
iole for thit

Israel Grofi, Elmira, G. T. R., Water yo Co., Ont,. in a change of advertien
ment in this isuue, ofors for sale choice
oung Shorthor young Shorthorn bulls, cows, and hoil
ers, of show material, some of the cowf ors, of show material, some of the cowng
having calves at foot. His herd rankes
Hong the very among the very best in breeding and

It was their honeymoon

 is't it heavenly, Iet's send a telegram
to pa and ma telling them what a gloris Dus time we're having,"
An hour later a telegram was laid on
An breakfost tonte id man reakfast table of the parents. The it and sadly shook hie and. "Ah," he said dolofully, "they'v
legun already, my dear." -What is it $?^{\prime \prime}$, inquired the fond "Listen to this, dear: 'Grand rov
before breakfast.' "efore breakfast.' Well, well, I suppo
thad to come some time or other."
scottish shorthorn sales. Following the annual Collynie sale of
Shorthorn bull calves for an average $\$ 1,89$, and 12 heiters
$\$ 360$ as an avererage
an our last week issue, were the usual consigment sear sea
in the Aberdeen and adiacent district
in October 9 th a t Loanhead, Insch, wer
sold 50 head from the herds of A. M. Gordon, of Newton and A. T. Gordo
 Dungiven for A. M. Gordon's roan heite
calt Charity 15 th, by Newton Crystal The second highest was 81,000 for the
red Loanhead bull call Sittyton Marquib purchased by R. Copland, Ardilthen,
Four others sold for prices ranging trom Four others sold for prices ranging from
$\$ 500$ to $\$ 950$. The average for the 36 head from the Newton herd was 8375 , herd $\$ 290$.
At the Aberdeen joint sale the follow
ing day, 172 head consigned by 87 ing day, $\left.\begin{array}{l}\text { breaders broun an average price } \\ \text { 8245. The highest } \\ \text { price }\end{array}\right)$ was 290
The guineas (\$1,450) paid by the Edigecoun
Co., Banbury, for the yearling roan heifier Pride of Rothes $V$., bred by Lord
Lovat, and got by Chery Victor, bred tovat, and got by Cherry victor, orea
by Mr. Parkin-Moore, and out of
h Beaufort Pride cow, The next best
prico was
200 paid by the same company for the red
heiler call Nonpariel Blossom VII bed hoiler cail Nonpariet
By lassom luny
bostle and got by Dunglass Commodore, out a Bapton Senator Cow. Mr. Anderson,
Saphock, got $\$ 1$, ,ooo for the red heiter Saphock, got
call Nonpareil Lily, by the Duthie bull
Pro Proud Embem, purchasen
nelius, Irom Cheshire. The highest price for a bull was 81,000 for the roan year
ling Woodend Stamp, consigned by Alex.
 bell, Harthill, who alao paid the nigheen
price for a bull call, $\$ 775$ for the roan First $\begin{aligned} & \text { Lord, } \\ & \text { Craig, Wartle }\end{aligned}$ tr

The following convergat
"Martha, does thee love me?" asked Quaker youth of one at whose shrine hi ""Why, Seth," answered she, "we commanded to love one another, are wo "Ah, Martha, but does thee regard
with the feeling the world calls love?" "I hardly know what to tell the
Seth. I have greally feared that
I have tried


- cat and rat sking.
 Irom a friend in England. The proposi-
tion outlined is only a trife more absur ounn many that are gravely do-
surned to separate fools
trom coin.
 tain lines of business. The letter reads.
Doar isir, - Knowig that you are al-
ways interested and one ways interested and open for an invest-
ment in a good, live, business proposiment in a good, live, business, proposi-
tion, I take the liberty of presenting to you what seess to me to mor most
wondertul business in which, no do bt you will take a lively interest, and per-
haps write me by return mail the amount of stock that you wish to sub-
gcribe towards pany.
The object of this company is to
operate operate a large cat ranch in or near
Golden, Colorado, where land can be purchased cheap for the purpose.
.To start with, we will collect abo say, one hundred thousand (100, 000 )
cate
 from 1 10c. each for the white ones, to
seventy-five cents ( 755 .)
for the pure
 (12,000,000) skins a year, to sell at an
average of 30 cents apiece, making our revenue about ten thousand dollars "A man can skin fifty (50) eats per
day for two dollars $(\$ 2.00)$. It will day for two dollars ( $\$ 2.00$ ). It will
take 100 to operate the ranch, and therefore the net profit will be about
nine thousand eight hundred dollars ${ }^{(\$ 9,800)}$ per day.
will start a rat ranch on an adjacent farm. The rats multiply four-times as
fast as the cats. If we start one million rats, we will have, therefore, four
rats per day for each cat.
"We will feed the rats on the carcasses of the cats, from which the skins have been taken, giving each rat a
fourth of a cat.
"Th will thus be seen that the business will be self-acting and automatic all the way through. The cats will eat the
rats, and the rats will eat the cats, and we will get the skins.
"Awaiting your prompt reply, and
trusting that you appreciate this opporAwaitng your prompt reply, and
tunsting that you appreciate this oppor-
tunt you rich very quickly, I tunity to
remain.


## QUESTIONS AND ANSWERS.






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Mugent vet
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Miscellaneous
COW WITH COUGH.
I bought a cow from a farmer fo
feeding purposes about two monthe ago I paid a good stifr price for her. fow days after I had her I noticed a
cough, which has grown rapidly worse I asked the man about it soon after,
and he said the cow had the cough oor and he said the cow had the cough for
some time, but he had no anxiety about 1. Was he liable in selling me the
cow in this condition, as I now believe her to have tubercular trouble?
2. If, after veterinary examination, I redress can I get from a legal aspect? 3. Supposing her to be
I legally sell to drovers ?

Ontario. We think so but you should
Ans.-1. W Ans. - 1. We think so; but you should
have promptly tendered a return of the cow to the vendor and demanded a re-
fund of the money paid for her. This should have been done at least immedi-
ately upon your receiving from the vendor his admission that he knew of the
cough at the time he sold you the cow. cough at the time he sold you the cow.
2. We doubt if there is any for you. 2. We doubt if there is any for you.
Such examination should have been had as soon as you noticed the cough. It
after examination and report by veteri-
nary to the effect mentioned, you were
to make tender back of the animal with
demand of refund, and be refused same,
then, in the event of your suing the vendor, it is just possible that the Court might give you a favorable judgment
but we doubt it very much. but we doubt it very much.
3. No.

FENCING BUSH-LOT I have a stock farm, and my neighbor
owns a bush-lot which is not fenced in Can I compel him to keop his hali of the line fence up, so that my cattle will
be kept in? AN ENQUIRER. Ans.-No.
MATERIAL FOR PEANK-FRAME As I intend to build near future, about $36 \times 72$ feet, In have been very much interested in discuspions
through ""The Farmer's Advocto." through "The Farmer's Advocate" abou
plank-frame barns, and believe I would
build one, but have two difiultios the way. First have two difflculties in to know. First, no one around seoms
the build one. They think they could, but never built one, so
could not find a carpenter that really could not find a carpenter that really
knew how. In the second place, w
would would have nearly all elm, which, of
course, is more or less shakey, which course, is more or less shakey, which
would make good squared timber, but
would hardly do to saw in plank. would hardly do to saw in plank
Under these circumstances, which would
you advise? If you adyise you advise? If you advise plank-frame how much material would it take for
bern on a basement $36 \times 72$ ft., $10-\mathrm{ft}$. posts, and built with an 18-ft. straw
mow, another $18-\mathrm{ft}$. straw mow, mow, another 18 -ft. straw mow, a 12
ft d drive floor, and a $24-\mathrm{ft}$. mow above granary ?
MATERIAL FOR PLANK-FRAME
$36 \times 72 \times 16 \mathrm{ft}$.
Material for one interior ben 4 pieces $2 \times 8$-in. $\times 27-\mathrm{ft}$. $9-\mathrm{in}$. p purlin $\begin{aligned} & \text { posts. } \\ & 2 \\ & \text { pieces } \\ & 2\end{aligned} \times 3$-in. $\times 27$ 27-tt, 6 -in. root sup2 pieces $2 \times 8$-in. $\times 10-\mathrm{ft}$. 6 -in. sub. sup4 pieces $2 \times 4$-in. $\times 2$-ft. struts.
2 piecese $2 \times 8$-in. $x 4-f t .10 \mathrm{in}$. main tien
 ${ }_{2}$ pieces $2 \times 12$-in. $\times 3$-ft. $4-\mathrm{in}$. colla, ${ }_{2}^{\text {ties. }}{ }^{\text {pie }}$
2 pieces $2 \times 8$-in. $\times 5$-ft. 8 -in. braces.
2 pieces $2 \times 8-\mathrm{in} . \times 36$-ft. cross sills. pieces $2 \times 8$-in. $\times 36$-ft. eross sills.
2 pieces $2 \times 8$-in. $\times 2-\mathrm{ft}$. short sills.
2 pieces $2 \times 8$-in. $\times 17-\mathrm{th}$. stifreners.
2 pleces
$2 \times 6-\mathrm{in} . \times 20-\mathrm{ft} .10-\mathrm{in}$. purlin2 pleces $2 \times 8$
post stiffeners.
4 bolts 11 ins. long, $t$ in. diameter.
14 bolte 7 ins. long, $t-$ in. diameter.

Material for one end bent.

4 pieces $2 \times 8$-in. $\times 18$ - tt . cross sills.
4 pieces $2 \times 8$-in. $\times 18$-ft. crose seams.
1 piece $2 \times 10-\mathrm{in} . \times 24-\mathrm{ft}$ beam stifener.
 pieces $2 \times 6 \times \mathrm{in} \times .12 \times 12 \mathrm{fl}$. post prin braces.
pieces $2 \times 8$-in. $\times 18$. t . gable stiffeners. 2 pieces $2 \times 8$-in. $\times 18-1 \mathrm{tt}$. gable stiflener
14 pieces $2 \times 8$-in. $\times 18 \mathrm{ft}$. end giths. 4 pieces $2 \times$-in. $\times 18$-ft. end gitths.
pieces $2 \times 6$-in. $\times 18 \mathrm{ft}$. end braces.
 pieces $2 \times 8$-in. $\times 18$ 18-ft. gable gitth
pilice $2 \times 8$-in. $\times 20$ git. gable girths.
piferes $2 \times 8$-in. $\times 18$-ft. end trues.
 ${ }_{30}$ bolts, ${ }^{8}$-in. $x 8$-in
30 lbs. 5 -in. spike
10 lbs. 4 -in. spikes
To give each and every piece of timber in a plank-frame is unnecessary, so I now only give a list of one interior bent
and one end one, from which the others are simply the length of the disistane from centre to centre of posts, and are
usually four feet apart. usually four feet apart.
The plates are made top of the posts, and one down the out side.
The purlin is two planks on edge, a has been often shown in "The Farmer'
Advocate," and must reach from bent Use hemlock or spruce for the frame. The lower ratter rises 18 inches in
n of 12 inches, and the upper 8 inche the same run. The span of each
lower is one-lith the with of the barn
nd the upper the remaining three

| Toponto. <br> REVIEW OF LAST WEEK'S MARKETS <br> At West Toronto, on Monday, October 28th, receipts of live stock numbered 61 cars, comprising 1,336 cattle, 128 hogs, 322 sheep, and 21 calves. No business was being transacted. Packers quoted receipts of hogs are heavier, prices will be no lower thah last week, $\$ 8.90$ fed and watered. <br> Cars $\qquad$ $\begin{array}{cr}\text { Union. } & \text { Total. } \\ 415 & 498\end{array}$ $\begin{array}{lr}\mathbf{6 , 4 8 3} & \mathbf{7 , 3 0 8} \\ 5,763 & 7,910\end{array}$ Sheep Calves Horses <br> The total receipts of live stock at the two yards for the corr of 1911 were as follows: <br> The combined receipts at the two markets for the past week show a decrease of 21 cars, 2.610 hogs, and 28 horses; but on increase of 267 cattle, 978 sheep and lambs, and 426 calves, compared with the same week of 1911. <br> The total receipts of live stock at the City and Union Stock-yards last week were as follows: <br> It will be seen by the above that the receipts were very large, especially cat of the cattle was far from being good, being composed of all the scrub qualities known in Northern and Eastern Ontario. There was a fairly active market ail week, but prices for all classes of cattle were cheaper, excepting good which gained about ioc. per ewt. over our last quotations. <br> Expórters.-William Howard bought for London market, 1,260 lbs. each, at $\$ 6$ to $\$ 6.25$ per cwt. <br> Butchers'.-Choice quality butchers' cattle sold at $\$ 6$ to $\$ 6.35$, but only a few loads at the latter figure; loads of good, common, $\$ 4$ to $\$ 5$; inferior, $\$ 3.50$ to \$4; cows, $\$ 2.50$ to $\$ 5.25$; bulls, $\$ 2.75$ Stockers and Feeders.-Feeding steers, 900 to 1,000 lbs., sold at $\$ 5.25$ to $\$ 5.40$, and a few selected lots reached $\$ 5.50$ and $\$ 5.60$, but not nearly as weeks previous; stockers and yearlings sold all the way from $\$ 3.50$ to $\$ 4.50$, with a few lots of good color, and breeding quality, at $\$ 5$. milkers and springers were fairly large and prices were as firm as for some time past. Orders from Montreal, Quebec, and Port Arthur, keeping the mar ket steady to firm. Prices ranged all the way from $\$ 50$ to $\$ 95$ each, the bulk of sales being made at $\$ 60$ to $\$ 80$ each. heavy, especially the Eastern grass-fed ply on Thursday's market. Prices for these declined, and ranged from $\$ 3$ to $\$ 7.50$ to $\$ 9$ per cwt., with a few extra Sheep and Lambs.-Receipts of sheep Prices for lambs ranged from $\$ 6$ $\$ 6.35$, the bulk going at $\$ 6.10$ to $\$ 6.20$ heavy ewes and rams, $\$ 3$ to $\$ 3.50$; cull lambs sold at $\$ 5$ to $\$ 5.50$, and cul sheep at $\$ 2.50$. notwithstanding the fact that the packers did their best to keep prices down cwt. was paid for hogs fed and watered, and $\$ 9.10$ for those weighed off cars. BREADSTUFFS. | 96c., outside; inferior grades quoted down to 70c.; Manitoba No. 1 northern, 97 c . to 98 c . No. 2 northern, 95 c . to 96c., track, lake ports; feed wheat, 70c., at lake ports. Oats-Ontario, new, 37c. offering. Rye-No. 2, 78 c ., outside. Buckwheat-53c., outside. Peas-No. 2, $\$ 1$, outside. Barley-For malting, 65 c . ( $47-1 \mathrm{~h}$. test); for feed, 48 c . to 60 c ., outside. Corn-No. 3 yellow, old, 71 lic., bay ports. Flour-Ontario ninety-perseaboard. Manitoba flour-Prices at second patents, $\$ 5.20$; in cotton, 10 c . more; strong bakers', \$5 in jute. <br> HAY AND MILLFEED. <br> Hay.-Baled, in car lots, track, Toronto, No. 1, $\$ 14$ to $\$ 14.50$ per ton; No. 2, $\$ 12$ per ton. Straw.-Baled, in car lots, track, Toronto, $\$ 10$ to $\$ 10.50$ per ton. shorts, \$26 per ton; Ontario bran, \$23 in bags; shorts, \$25, car lots, track, roronto. <br> COUNTRY PRODUCE. <br> Butter.-warket steady, at unchanged quotations. Creamery rolls, 30 c . to 31c.; creamery solids, 27 c . to 28c.; sepa- rator dairy, 23c. to 30 c .; store lots, 24 c . to 26c. <br> Eggs.-Prices unchanged. New-laid, 35c. per dozen; storage eggs, 28c. to 30c. Cheese.-Large, $14 \frac{1}{2} c$. per lb.; twins, 15c. per lb. <br> Honey.-No. 1 clover honey, extracted, <br> $\$ 2.75$ to $\$ 3$ <br> Potatoes.-Ontario potatoes, car lots, track, Toronto, 85c. per bag. Poultry.-Receipts were large. Turkeys, ducks, 13 c . alive; chickens, 13c. alive; old fowl alive, 10c. to 11c. <br> Beans.-Market firm, at $\$ 3$ for primes, and $\$ 3.10$ for hand-picked, in broken <br> HIDES AND SKINS. <br> No. 1 inspected steers and cows, 14c. <br> No. 2 inspected steers and cows, 13c. 12c.; country hides, cured, 13 c . to 14 c .; country hides, green, $11 \frac{1}{3} \mathrm{c}$. to 12 c .; call skins, per lb., 14c. to 17c.; lamb skins 50c, to 75 c . horse hides, No. 1, $\$ 3.50$ each; horse hair, per lb., 37c.; tallow, No. 1, per lb., 5 th. to $6 \frac{1}{3} \mathrm{c}$. <br> WOOL. <br> Unwashed, course, 13c.; unwashed, fine, $14 \frac{1}{3} c$.; washed, coarse, 19c.; washed, fine, 22c.; rejects, 16c <br> TORONTO SEED MARKET. <br> Alsike No. 1, per bushel, $\$ 11.50$ to <br> \$12; alsike No. 2, per bushel, $\$ 10.50$ to $\$ 10$; timothy No. 1, per bushel, $\$ 2$ to to $\$ 1.75$. <br> FRUITS AND VEGETABLES. Receipts of grapes and apples were liberal, and a few peaches are still comper basket, 15 c . to $30 \mathrm{c} . ;$ peaches, 40 c . 40 c .; grapes, 17 c . per small basket of per crate; quinces, 40 c . to 50 c .; celery, 25 c . to 35 c . per dozen. <br> Buffalo. <br>  $\$ 6.25$; stock heifers, $\$ 4$ to $\$ 4.40$; ship- ping, $\$ 7.50$ to $\$ 8.50$; heifers, $\$ 4.50$ to $\$ 7.50$; cows, $\$ 3$ to $\$ 6.25$; stockers and feeders, $\$ 4.50$ to $\$ 6.50$; fresh cows and springers, $\$ 85$ to $\$ 75$. Veals.- $\$ 4$ to $\$ 11$. Hogs-Heavy, $\$ 8.85$ to $\$ 8.90$; York ers, $\$ 8$ to $\$ 8.70 ;$ pigs, $\$ 7.75$ to $\$ 8$ roughs, $\$ 7.90$ to $\$ 8 ;$ stags, $\$ 5$ to $\$ 7.50$ dairies and grassers, $\$ 8.25$ to $\$ 8.65$. Sheep and Lambs.-Lambs, $\$ 4.50$ to $\$ 7.10 ;$ yearlings, $\$ 5.25$ to $\$ 5.50 ;$ weth ers, $\$ 4.75$ to $\$ 5 ;$ ewes, $\$ 2$ to. $\$ 4.25$ sheep, mixed, $\$ 3$ to $\$ 4.50$. <br> British Cattle Market. <br> John Rogers \& Co. state quotation for Canadian steers making 17c. th., a |  <br> Cheese Markets. | Ont., 12ifc. to 12fe.; Vankleek Hill, Ont., 12 fc . to 12 fc .; Victoriaville, Que., <br> Chicago. <br> Cattle.-Beeves, $\$ 3.40$ to $\$ 11.05$; Texas steers, $\$ 4.40$ to $\$ 5.70$; Western steers, $\$ 5.50$ to $\$ 8.90$; stockers and feeders, $\$ 4.25$ to $\$ 7.50$; cows and heifers, $\$ 2.75^{\circ}$ to $\$ 7.25$; calves, $\$ 6.50$ to $\$ 10$. <br> Hogs.-Light, $\$ 8$ to $\$ 8.60$ mixed, $\$ 8.10$ to $\$ 8.75$; heavy, $\$ 8.10$ to $\$ 8.30$; pigs,5.25 to $\$ 7.65$. <br> Sheep and Lambs.-Sheep, native, $\$ 3.50$ to $\$ 4.65$; Western, $\$ 3.65$ to $\$ 4.60$; yearlings, $\$ 4.60$ to $\$ 5.85$; lambs, native, $\$ 5$ to $\$ 7.15$; Western, $\$ 5.25$ to $\$ 7.20$. <br> GOSSIP. <br> The sale of Clydesdales announced to be held at Toronto by D. C. Flatt \& instead, at the Dominion Hotel, Hamilton, Ont., on November 27 th. <br> Eighty-eight head of Jerseys, from the herds of E. R. Shoemaker and Hood Farm, were sold at Waterloo, Iowa, October 18th, at an average of $\$ 170.45$, a large proportion being yearlings and the seven-year-old cow, Warder's Lady <br> Twenty-five Shorthorn cows and heif Minneapolis, Minn., were, on October 17 th, sold by auction, for an average of $\$ 340.80$. The top price was $\$ 780$ for the roan four-year-old cow, Imp. Diamond Briar, and bull calf, purchased by C. J. McMaster, Illinois. <br> The two-year-old Roadster stallion, Brino Winters, winner of first prize and diploma at Toronto, and gold medal at London, sired by Henry Winters, 2.10t. make a 16-hand horse at maturity, is advertised in this issue for sale or exbe taken as heavy or express horse wh will be sold to reliable farmer. Address, Box 513, Post-office box, London, Ont., for pedigree and particulars. Ont., for pedigree and particulars. <br> IMIORTED CLYDESDALES AT AUCAs advertised on page 1902 of th issue, Dr. D. McEachran, Ormstown, Que., will sell by auction, November 21st, at his Ormsby Grange Farm, thirty recently-imported Clydesdale fillies, per- sonally selected and purchased in Scotland, from different breeders throughout among the best ever imported to Canada, as would be expected by so capable a judge as Dr. McEachran. These young mares are sired by such well-bred and successful stallions as Montrave Ronald, Hiawatha, Marmion, Dunure James, by Baron of Buchlyvie, Baron Craigie, Royal Chattan Again; the well-known Cumberpremium horse, Baron Beaulieu; the wellbred horse, Dunure Freeman, out of mares by the unbeaten Prince of Carruchan, Revelanta, the premium horse Auchincruive, etc. This sale affords a rare opportunity to secure the most desirable class of heavy draft mares. Catalogue may be had on application. <br> TRADE TOPIC. $\qquad$ arnia, Ont., manufacturers of the the market a steel farm gate, built galvanized wire. Each gate has two braces, bracing the filling of wire and the frame. Every farm needs gates, and there is nothing much more unsightly than poor gates, twisted and sonable in price. in another See the advertisement |
| :---: | :---: | :---: | :---: |

[^0] steers, $\$ 4.40$ to $\$ 5.70 ;$ Western steers,
$\$ 5.50$ to $\$ 8.90$; stockers and feeders $\$ 4.25$ to $\$ 7.50$; cows and heifers, $\$ 2.75^{\circ}$ Hogs.-Light, \$8 to \$8.60;
\[

$$
\begin{aligned}
& \$ 8.10 \text { to } \$ 8.75 \text {; he } \\
& \text { pigs, } 5.25 \text {. } \$ 7.6
\end{aligned}
$$
\]

 yearlings, $\$ 4.60$ to $\$ 5.8$; lambs, native
$\$ 5$ to $\$ 7.15$; Western, $\$ 5.25$ to $\$ 7.20$.

GOSSIP.
The sate of Clyaesdales announced

The combined receipts at the two mar-
kets for the past week show a decrease of 21 cars, 2.610 hogs, and 28 horses; with the same week of 1911. compared City and Union Stock-yards last week were as follows :
It will be seen receipts were very large, especially cat of the cattle was far from being good, ties known in Northern and Eastern On-
tario. Theire was a fairly active marof cattle were cheaper, excepting good to choice, butchers', and exporters,
which gained about ioc. per 'ewt. over our last quotations.
Exporters.- William Howard bought for ondon market, $1,260 \mathrm{lbs}$. each, at $\$$ Butchers'.-Chotce quality butchers' cat
tle sold at $\$ 6$ to $\$ 6.35$, but only a fev tle sold at $\$ 6$ to $\$ 6.35$, but only a fow
loads at the latter figure; loads of good
$\$ 5.75$ to $\$ 8$. medium, $\$ 5.25$ to $\$ 5.60$
 to $\$ 5.25$; canners' cows, ' $\$ 1.75$ to $\$ 2.50$
Stockers and Feeders.-Feeding $\$ 5.40$, and a few selected lots reached many brought these figures as two
weeks previous; stockers and yearling with a few lots of good color, and Milkers and Springers.- -Recieipts
milkers and springers were fairly targe and prices were
time past.
Orders from Montreal, Que bec, and Port Arthur, keeping the mar-
ket steady to firm. Prices ranged al of sales being made at $\$ 60$ to $\$ 80$ each heavy, especially the Eastern grass-fed
 5 per cwt., while veal calves sold oice selling at $\$ 9.50$ per cw t Sheep and Lambs.-Receipts of shee
and lambs were the largest thus far $\$ 6.35$, the bulk going at $\$ 6.10$ to $\$ 6.20$ eavy ewes and rams, $\$ 3$ to $\$ 3.50$; cull heep at $\$ 2.50$. notwithstanding the fact that the pack
ers did their best to keep prices down they steadily advanced until $\$ 8.90$ ped BREADSTUFFS,


Death of an Illustrious Canadian. Robert Barr, the novelist, died at his
home in Surrey , England, on October 21 st. Although gow, Scotiand, and
yearr in Eng Enand, Mr. Bearr was prace
tically a Canadian. When he was but hice years of age his parents came to
fthe country, and settled first in Midthis country, and settled first in Mid-
diesex Co., Ont., removing later to ${ }^{\mathrm{Wi}} \mathrm{se}$

 but in 1876 gave up teaching to to join
the staff of the e Detroit Free Press.
In 1882 he went to England, where, with
derome K. Jerome, he founded the suc Jerime K. Jerome, he founded the suc-
cesstulu "IIter" magazine, but devoted a cesstul "Idler" magazine
great deal of his time to writing works

 "Strangleigh's Milions." Mrarallac,", Barr had reached the seventy-second year of his
"In the Amazon Jungle."
Mr. Lange writes enthusiastically of the beauty of the senery, both by night and by day, up the feconhy, the end-
less forests, of tropical luxuriance, the
still water, the thashes of distant lightning illuminating all.
After going on thus for many days in focation with rubber-workers, the Javary rubber region was reached, and the first stop ahhore, memorable for a dinner of roast tapir, was made. .a. on arain,
with a Anal disembarkation at Floresta, the largest rubber estate in this disLange has nothing but praise for the hospitality of these Brazilians, wione
ever courteous salutation to the visitor is, "This house is at your disposal." From the house of Coronel da Silva,
 of gashing the trees and collecting the anshion somewhat simi lected in this ocuntry. Apleterwards the milk is coagulated by heat in the huts,
into the cruce balls of rubber which are to be shipped.
Here he got his frrst experience of the actual forest, which becomes almost
reality to us as we read his vivid do
 ing, "But there is little charm about
it." . There is no invitation to reposes, no stimulus myriad
never rests. There is always some sound or some movement which sill
to stir in one the instinct of seltto stir in one the instinct of seli-preser-
vation. You have to be constantly alive to the danger of disagreeable annoyance from the pests that abound, or
of actual bodily harm from animals of the reptilian order. - . The few sounds
of birds and animals are, generally, of a pensive and mystericus character, and
they intensify the feeling of solitude they intensify the feeling of solitude rather than impart to it a sense on the
and cheertuness. Sometimes in the and cheerfulness. Sometimes
midst of of the noon-day stillness a den yell or scream will startle one, comling from some minor rutu-eating animal set upon by a carrivivorous beas the forest
pent. Morning and evening the pent. Mornitg and evening roar of the howling monkeys, and it is hard even
for the stontest heart to maintain its for the stontest heart to mantain its
buoyancy of spirit. The sense of inbuoyancy of spirit, whe the jungle
hospitable widderness, which the the this inspires, is increased tenfold by this
monstrous uproar. Otten in the still
hours of night a sudden crash will be heard, as some great branch or a dead tree falls to the ground. There are,
besides, many sounds which are impossible to account for, and which the na-
tives are as much at a loss to explain as myself. Sometimes a strange sound as myself. Sometimes a strange sound against a hard, hollow tree; or a piercing cry rends the air. These are not
repeated, and the succeeding stillness repeated, and the succeeding stillnes impression which they produce on the
me hind." ${ }^{\text {Wen }}$. We have quoted at length from Mr .
Lange's description of the forest, be Lange's description of the iorest, be
cause it is the one outstanding characteristic, of the country, the one feature which presses upon the mind and burns
itself into the memory, which figures in one's dreams of the Amazon ever after. It is the great Fact in the lives which the rubber-workers must live.

## Passing over Mr. Lange's accounts of "sport"" with gun and rod of creatures

 "sport" with gun and rod, of creaturesnever seen elsewhere, of "sting-rays," never seen elsewhere, of sting-rays,
and the huge 200-1b. pirarucu fish so largely used there for food, of malignant
diseases which carried off 82 per cent diseases which carried off 82 per cent.
of the population of Floresta during the of the population of Floresta during the
month of September, let us accompany mim to the last chapter of his journey,"The Fatal March Through the Forest."
One morning Coronel issued the order One morning Coronel issued the ordur
that certain of his men were to venture out far beyond the explored territory to locate new caoutchouc trees. The men
knew what this meant, but quietly they knew what this meant, but quietly they The chiel of the party, Marques, again The chier of to dissuade Mr. Lange from going but in vain. the travelling was along an old, but almost indistinguishable which stope were made; then was reached


A sem Nork in a hut built in a tree, in the heart of the ine from, New York in a hut built in a tree, in the
rubber-fegion.-From Lange's "In the Amazon Jungle.
the virgin forest in which every step of at sea, ever conceived such hatred and the way had to be hewn out with an horror of his surroundings as that which axe and machete. It was impossible to now came green of the interminable sleep
toes; the heat of the day, notwithstand- forest."
Hall-unconscious at last, the solitary ing the impenetrable gloom, was fearful; Hailinaconscious at forward through an opaning there were encounters with jaguars; the survivor fell forward through an opaning goisonous exhatations of and then an- little dog, whose barking brought to th gan to tell upon party, among them the spot some Indians belonging to a tribe
other of the author, who became delirious for a time of
with fever.


He was buried, and it was decided to
ivide the party, three attempting wha might prove to be a shorter route, in Staggering help for the rest. Harques-and Jerome, Lange, the Chiefow the trail, and on the second day the return, met a naked Indian savage, ows, with a blow-gun, bow and ar wourahli poison which, when put on the arrow tip, causes the almost instantaneleaving it still fit for meat. The Indian departed, but Mr. Lange was to see more of him before many
days had passed Soon afterwards, Marques was found
with a look of mortal anguish on his with a look of mortal anguish on his lace. Silently he pointed to his foot on
which appeared the marks of the fangs which appeared the marks of the fangs
of one of the most poisonous serpents of the region. That little mark meant certain death, and although every crude measure at hand was taken, there wai
nothing to be done but sit and wait for the brave man's death. He, too was buried, and sick and starving, for
provisions were almost done the two provisions were almost done, the twd
remaining ágain forced on. "The jungle remaining ágain forced on. "The jungle
no longer seemed beautiful or wonderful to me," says Mr. Lange, "but horrible-
place of terror and death." a place of terror and death
of numbness in hands and feet. Now the unmistakable signs of beri-beri ap-
peared, and before long he, too, was laid peared, and before long he, too, was ald
away in a shallow grave. as I staggered on," continues the writer "for occasionally I came to
strange phrases on my lips. When thes strange phrases on my lips. When thes
lucid moments brought coherent thought lucid moments brought coherent though
it was the jungle, the endless, all-em bracing fearful jungle, that overwhelme my mind. No shipwrecked sailor, driven
to madness by long tossing on a raft
their great communal house, 150 feet in
diameter, with a single root supported
by innumerable poles, under which the by innumerable poles, under which the entire population of the tribe, 150 souls
in all, dwelt. In a corner of this great primitive structure, he was gradually
nursed back to life, though with what nursed back to life, though with what misgivings upon his part may be under-
stood when it transpires that before long he was forced to look on at a can nibal feast. He had, indeed, been be
friended by one of the cannibal tribes o triended by one of the cannibal tribes of
the Amazon, but he had no reason the Amazon, but he had no reason to
fear for his personal safety, for the Miangeromas eat only their enemies.
Interesting indeed is the chapt Interesting indeed is the chapter of
his life among these people, but he could his life among these people, but he courd
take no pictures of them, for, on tha terrible journey through the forest, the camera, with all other impedimenta, had Finally he was taken back to tho Floresta, headquarters, and eventually found his way again to Remate de Males was carried aboard the river steamer that bore him once more towards civil zation and "God's country.
can be given for quoting in full the many adventures with which Mr. Lang met. For these, our readers who may chance to be interested, must go directly
to Mr. Lange's book, which we can conto Mr. Lange's book, which we can con-
fidently recommend as one of the most interesting and instructive among recen books of travel.

The Celebpation of Hallowe'en.
[An address given by Mr, w. B. MoEwan, President of the Dunedin Burne Witness.]
It must be confessed that even in Scotrapidly dying out, rites and sports are out of place, therefore, to make some reference to their origin and manner of celebration. Hallow'er, or All Hallow's Eve, is the night before All Saints' Day,
the night when ghosis, witches, war the night when ghosts, witches, war locks, and rairies, are most likely to
wander abroad, the night of all nighte
in the year when supernatural infuences in the year when supernatural influences
prevail; and the season of a variety of superstitions and other customs. Th observation of Hallowe'en dantes from pagan times, when the Druids held thei to the sun god for the harvest. One of the chief characteristics of their celebra tions was the lighting of bonfires to
frighten away the witches who on this night to do "their deeds withou peculiarly obnoxious to witche
Rowan tree and red thread
to make them dance till they fall down
and expire. In the Homeland, nuts and apples play an important part in the ceremones
the evening. In the North of England, the evening. In known as Nutcrack Night. In Cornwall, in the South, it is known as "Allan. Day," when it would be deemed a great misfortune to go to bed
without the time-honored apple hid boneath the pillow. In scotland, it is celebrated by the burning of nuts and the ducking for apples. Thus indicating
the predominance of these articles in making up the entertainments of the evening. Various writers, both in prose and poetry, have attempted to describe the ceremonies of Hallowe'en, but nowhere in the poem by Robart Burns. In it in the poem by Robert Burns. In it
you have all the princlpal charms and
spells of that night expressed in such a
way as to be easily understood even by
those who are unacquainted with the those who are unacquainted with the
customs and tratitions usually associat-
ed with the tiatival

Amang the bonnie winding banks,
Where Doon rins wimplin'
Where Doon rine wimplin' clear;
Where Bruce ance ruled the martial ranks, Where sruce ance ruled the martial rate shook his Carrick spear;
Some merry triendy An shook his Carrick
Some merry, triendly co
Together did
Together did convene,
To burn their nits, an' pou
An
In his notes the poet says "the firs
ceremony of Halloweten ceremony of Hallowe'en is pulling each
a stock' or plant of kail (a kail runt). They must go out hand in hand, with
eyes shut, and pull the first stock they meet with: its being big or little,
straight or crooked, is prophetic of the straight or crooked, is prophetic of the
size and shape of the grand object of all
their spells - the

Then, first an' foremost thro the kell Then, irst an' stocks" maun, $a^{\text {a }}$ thro the kought ance;
They steek their een, an" grape an' wale For muckle anes, an' straught anes.
Poor hav'rel Will fell aft the dritt $\mathrm{An}^{\prime}$ ' wandered thro' the "bow-kail, An' pout, for want $0^{\circ}$ better shif
A runt, was like a sow-tail
Sae bow't that

Youths, maidens, and the children join
The vera wee-things, toddlin' rin,
Wi' stocks out owre their shoulde
In Wales there is a custom in which
the youth of both even-leaved sprig of ash. and the first of
either seax that finde. either sex that finds one calls out
"Cyniver," and is answered by the first "Cyniver," and is answered by the first two, if the omen faicceeds, and these joined in wediock. Nuts, as I I have al
ready gaid, play an important part in ready said, play an important part in
the evening's entertainment. The custhe evening's entertainment. The cus-
tom is thus described by the poet Gay: Two hazel nuts I threw into the flame, This with the loudest bounce me sore

That in a flame of brightest color blaz'd As blaz'd the nut, so may thy passion For 'twas thy nut that did so brightly But I must again quote from Burns The euld guid-wife's weel-hoordet nits An' mony lads' and lasses ' fates Are there that night decided; Some kindle couthie side by side
An Some start awa wi' saucy pride,
An Uean slips in twa, wi' tentie e
Wha 'twas she wadna tell; But this is Jock, and thi She says in to hersel ;
He bleezed owre her, an' she owre him, As they owre her, an she owr mair part;
Till fuff ! he started mp the lum, And Jean had e'en a sair hear After the nats have been burned, and the lads and lasses have found their
faithful lovers, other spells are tried. One of these is the celebrated spell of
eating an apple before a looking - glass with the view to discovering the inquirer's future husband. You will re-
member Burns introduced this spell into his poem. A little maiden wishing to
try it is thus represented.
Wee Jenny to her graunie says,
Will ye go wi' me graunie? I'Il eat the apple at the glass, But the request rouses the indignation
of the old lady.
Ye little skelpie-limmer's face
I daur ye try sic sportin',
As seek the foul thief ony place,
For him to spae your fortune; Nae doubt but ye may get a sight !
Great cause ye hae to fear it:
For mony a ane has goten a fright, For mony a ane has gotten a a fright,
An $^{\prime}$ liv'd an died deleeret

The sowing of hempseed is another grannie goes on to tell of how, when wrong in his mind for many dayss after the fright he got. This story is doubt
ed by Fechtin Jamie Fleck, who

## Swoor by his conscience,

That he could saw hempseed a peck,
He gets a handiful of hempseed, and out
Hempseed I saw thee
An' her that is to be my lass
Come after me, an draw thee.
But he is a coward at heart
He whistl'd up "Lord Lennox", March,
To keep his courage cheery;
Altho his hair began to arch Altho' his hair began to arch,
He was sae fley'd an' eerie; Till presently he hears, a squeak,
An An then a grane an' gruntle;
He by his shoulder gae a keelk, $\mathrm{An}^{\prime}$ ' tumbled wi' a wintle
Out-owre that He roar'd a horrid murder-shout In dreadfu' desperation
$\mathbf{A n}^{\prime}$ young an' auld come
An 'heor the sad name rinning out,
An Ho swoor 'tivas hilchin Jean McCraw,
Or 'Crouchie Merran Humphio Till stop ! she trotted thro' the An' wha was it but grumphie

It is somewhat remarkable that th
sport of ducking for the apples is no sport of ducking for the apples is not
mentioned by Burns. Perhaps the ceremonies have changed, Perhaps the cere doubt one of the most, but there is no "dookin' for apples," providing as it does, great fun for the youngsters.
There is one much practiced on Hal lowe'en which provides good fun-name ly, "The Three Dishes or Luggies." Two
of them are respectively filled with clean and foul water, and one is empty. The Iuggies are ranged on the hearth, when cession, and dip their fingers into one If in the cloan water, they will marry maid; in into the foul, a widow; and if
into the empty dish, they are destined In order, on the clean or mai In order, on the clean hearth-stane,
The "luggies"" three are ranged; $\mathrm{An}^{\prime}$ ev'ry time great care is ta'en
To see them To see them duly changed; Auld Uncle John, wha wedlock's joys Because he gat the toom dish thrice,
He heav'd them on the fire He heav'd them on the
In wrath that night.

The old chap lost his temper at the
want of success in what he most desired Another rite is to wet a shirt-sleeve hang it up to dry before the fire, and
lie in bed watching it till midnight, when the apparition of the future partner for
life will come in and turn the sleeve In "Tam Glen," one of the songs of
Scotland's national poet, you have these
lines. Scotl
The last Hallowe'en I was waukin',
My droukit sark-sleeve, as ye ken;
My droukit sark-sleeve, as ye ken;
His likeness cam' up the house staukin'
And the very gray breeks o' Tam Glen
All these rites seek to produce the same band or wife of the oxperimenter. And.
in conclusion, ladies and gentlemen, cannot do better than. to advise those
who want a fuller description customs of Hallowe'en to read for them-
selves selves the poem by Robert Burns, from
which I have so largely

A lady living in a fashionable quarter has a bit of statuary bearing the in
scription, "Kismet." $\begin{aligned} & \text { the housemaid } \\ & \text { The }\end{aligned}$ was dusting the room the housemaic
when the mistress appeared day when the mistress appeared. "Shure,
mum, what's the manin' of the writin'
on the bottorn of this? ? asked the maid, referring to the inscription on the
statue. ". Kismet' means 'fate, ", re statue. "'Kismet' means 'fate,'" re-
plied the mistress. $\begin{gathered}\text { Bridget was limp- } \\ \text { ing painfully when out with her sweet- }\end{gathered}$ heart not long afterward, and he askeed What's the matter, Bridget?" "Faith,"
Was the answer, "I have the most tirri-
ble corns on me Kismet !",

Hope's Quiet Hour.

## Looking Backward and

 Fopwapdhave fallen out rather unto the further ance of the gospel.-Phil. i.: 12 .
Last Sunday I attended morning ser as a school-girl. which I used to attend which was so familiar and homelike, mand yet so strange, I was considering how wonderfully God had led me,, as He led
the Israelites in the wilderness the preacher gave out his text. I was
quite startled, for it was the one you see above. I had been considering how
the things that happened unto me had fallen out for my own good, and the
text revealed how poor and selfish my feelings were. My chief interest was
evidently in my own furtherance, my own advance in holiness; but St. Paul's
pleasure in looking backward came from the fact that the things which happened
to him had helped forward th to him had helped forward the kingdom
of God. in the world. This letter to the Philippians was written when he was a prisoner at Rome. He speaks of his
bonds and of the possibility bonds and of the possibility of execution.
Does he grumble and lament over thes things? Far from it, they only add to his joy. His imprisonment opened the way for the gospel to be preached even gave him the opportunity of preaching Jave him the opportunity of preaching
Christ to the various soldiers who were chained to him, and his bold example ispired many weaker Christians "to
speak the word without fear." I\& deat should end his imprisonment, he would "be with Christ: which is far better." If God caused him still to abide in the fesh, it would be possible for him to
help his brethren as he wished. What ever happened, his gladness went on like a river, serene and untroubled.
cheery language was: "Rejoice in the Lord alway: and again IRejoice in the Rejoice." He was delighted with the loving messages and gifts sent by his friends in
Philippi; but his delight was not because he desired a girt, but he wanted them to have the privilege of giving.
He needed nothing. Though He needed nothing. Though a poor
prisoner, he was rich and free that h ould say contentedly
and abound." In this short letter to
the Philippian church, he uses the words
"ioy" and "reioci, joy" and "rejoice" over and over again-about firteen times in all. Evi-
dently the Apostle cared so much more about "the furtherance of the gospel' than about his own personal comfort,
that if his sufferings helped forward the cause of his sufferings helped forward the
christ he was more than satis

## It is not likely that any of us are

in love with a high and of us are so pose that our own pain is a matter of
little consequence to us; but we can all make steady progress in that direction,
if we try. We are nearing the end of another year, a time when we usually
look back over the past and forward in
anticipation of the future the things that have happened to us? Have they helped or hindered the cause
of Christ and our own growth in holi of Christ and our own growth in holi-
ness ? If We have the life of God with
in us, then anythin in us, then anything that happens is
clear gain. If we care only clear gain. If we care only about our
own comfort, then trouble will make us bitter or depressed, and pleasure wil
make us selfish and covetous. But some of the things that happen
are black and evil. Looking back on the sins of the past, it does not seem
possible to turn them into means of possible to turn them into means of fur-
thering the gospel, either in our lives
or in the world about us, does it) And yet-strange as it may seem-the blach
est sins have often thrown the widest open for the entrance of the don
Saviour. The sinner in Saviour. The sinner is filled with hor
ror and loathing when he sees his oryn
wickedness and feels vickedness, and feels it an intolerabh
burden. Only One Saviour has ever fered to cleanse from the guit of of
We all need Him, but sometimes we hav open our own eyes to our need of cleans
ing, before we really plead for ness for the past and strength for the
future. Once the Teacher, Who, was the center needs. Then they could all their real of interest in Palestine, was the center invited hope and trust, feeling quite sur
the house of a Pharisee. The that He would guide the
infuential host evidently considered that the invitation was suffcient honor $t$
pay to one Who had until very pay to one Who had until very lately
worked in a carpenter's ahop. worked in a carpenter's shop. Ho omitted entirely the usual courteou
forms of welcome; the kiss, the anoint ing of the head with oil, the water for the hot and dusty. feet. But a woman Who knew herself to be a sinner, gav an empty form, but as the natural act of love and repentance. She washed His feet with her tears-how terribly sh must have sorrowed over her sins to
have wept like that !-kissed the feet o
the Saviour she the Saviour she had found, and anointed them with the procious ointment, which was sent away in peace, with sins She
given. She stood perfectly clear in God's sight, able to start fair once
more. Looking backward, she saw her more. Looking backward, she saw her
sins -sins forgiven. The blackness
of
the evil she knew herself to be capable of, would make her always humble and
watchful, would keep her prayer anly watchful, would keep her prayerfully could alone keep her from falling. The things which had happened to her were uerrible indeed, but they had turned out
unto the furtherance of the gospel. So, So,
even our past sins may help and find the , Saviouray help us to seek
"good news," is "gospel," or "good news," is God's message of salva-
tion from sin itself, not only from the punishment of sin. Indeed, the punishment is one of the proofs that our Father is trying to check our careless for whilful sins. It is one of the things
fo should try to be very Then there are the temptations which have happened to us. We pray: "Lead
us not into temptation". James tells us to count it all joy when we fall into divers temptations, because stronger. When a of makes it grow bring up a much-loved son, she usually
does her best to shield him trem tation. If she could succeed entirely, he and unmasty certainly grow up weak against evill, his Hoodng never fought is good for us to fogative in character. It by being forced to battle against temp-
tation. If we fall under it, we may learn to lean for the future on God's less thrusting of a young man into the midst of temptation; but when he is a watched and guided and supervised as if he were a little child.
have happened to us, the the the things which ferings whiched are not the the result of and surfault. There is the greatest difficulty in
some minds in believing the loving Father, when there is so is a
undeserved suffering always in think we must find the heart of our 0 trust Him when He hurts us most dearn to I know a loving father who straps
the tender foot of his little he tender foot of his little son in a
hard and painful contrivance for straightening its deformity. Just because the
father loves his child. Jond ather loves his child, he will not give
way to his tearful desire to be let We to his tearful desire to be let alone.
Whil cannot exildren in knowledge yet, and cannot expect to always understand our
can
can
see from soe already that good has come
for the pain, and we can wait trustully for the pain, and we can wait
idea of it was the sad dea of a heathen that Death was most errible because it was "the end." We
know it is not the end, and when death Comes we still look forward. $\begin{aligned} & \text { Not one one } \\ & \text { pain, trustfully } \\ & \text { accepted, can } \\ & \text { possibly }\end{aligned}$ iail to work for uas "a a far more exsibly
ing and eternal weight of clory ", ng and eternal weight of glory." We
can face the winter cheerfully, knowing That spring and summer will certainly
come in good till come in good time. The leafless trees
and bare earth need not depes nd bare earth need not depress us-
they will soon be beautiful and young
again. Old age akain. Old age simply brings us nearer need we fear it or the renewinger. Why need we fear it or the renewing sleep of
death? We shall awake refreshed vigorous. We shall awake refreshed and hackward on their wilderness journey
and see how wonderfully God had led hat He would guide them in the right

остове
evee in barrean placeas, and would hell Lem in their night againat enemies.
would have been very bad for them thend had nover had any dirforltiem


 bed ut wisily and tenderly, and hase give
 worrom. What Ho has done in the past Took may expeet for the tuture, os wo a aid



 of the goppl, ", whether wo mork as
misisionary or as as $a$ a erub-woman. Has the sun gone down in your lite and darkneses come apparentis to stay?
"Sad soul, take comport, nor forget dora farncomb.

Stap-Led to the Heights. A Christmas story, by Dora Farncomb
(author of "Hope's
Quiet Hour" and "The Vision of His Face"). Price, ${ }^{3}$ cents, postpaid, or three copies for
dollar.
The william Weld Con, London

## The Beaver Circle

OUR JUNIOR BEAVERS [For all pupils from the First Book to
Junior Third. inclusive

## October's Papty.

Ootober gave a party;
The teanes by huncreds came
hum
The Ashes, Oaks and Maples
And those of every name.
The sunshine spread a carpet And everything was grand,
Miss Weather led the dancing Professor Wind the band.
The Chestnute came in yellow The Oaks in crimson dressed The lovely Misses Maple
In scarlet looked their bes

And balanced all their partmers, And gaily fluttered by;
The sight was like a rainbow The sight was like a rainbo

Then, in rustic hollows,
At "hide-and-seek"' they played,
0 party closed at sundown,

Professor wind played louder
They flew along the groun
And then the party ended
In jolly "hands around,"

Oup Junior Beavers' Let tep Box.
Dear Puck and Beavers,-Father has taken "The Farmer's Advocate" two or
three years, and thinks it the best farm paper he gets.
There is an a farm of about thirty acres and we go fishing and catch trout. have three sisters and three brothers, and I and one other brother, and two
sisters go to school. We are building sisters go to school. We are building a
dam now. We keep bees and we have
four hive lour hives, and one swarmed on the
27 th of 27 th of August.
Father said I
Father said I could be bee man.
I am ten years old, and passed in th
5th class at school.
Closter, N. J. HUGH Mcbain.
Dear Puck and Beavers,-This is the first time I have, written. We have
taken "'The Farmer's Advocate" for two years, and I have read the letters and liked them very much. I live on a farm
near school, beside the Detroit river. near school, beside the Detroit river.
like to watch the boats and paddle in the water. I think it is fun to go to school. I guess I will close as my letter
is getting long. HAROLD SHEPLEY. is getting long. Harold SHEPLEY.
Amherstburg, Ont.
(Aged 9, Sr. II.)

Dear Puck,-1 am staying with Mr. we were having dinner and atter dinner ones, a friend of mine who takes "The I let it ay away again, and the next the Advocate. 1 enjoy reading I lound it on the hayg out to the field he Beaver Circle very much, and thought I would like to join and tell I have a little sister Janet and a four horses and a colt called. We have brother Gordon. Our teacher's name is On Sunday the colt kicked our dog, I tried for the second class but I mach. Carlo, in the eye, and he has not boen, I tried for the second class but I failed
well since. Wecause I had the scarlet fever and was well since. We have five cows, lots of out of school two monthet and a half. IT
chickens, ducks and turkeys. We have went up to Grandma's and over to Uncle


Oo-ooh !
nice lot of canaries, four young ones Jack's for my summer holidays. I will and more hatching. Good-bye. close as my letter is geting rather long.
NORAH MASKELL.
RUTH CAMPBELL. Duncrief, Ont. (Age 8, Sr. Pt. II.) Jordan, Ont. (Aged 9, Jr. III.)

Dear Puck anh Beavers,-We always en- Dear Puck and Beavers,-I thought joy reading the letters of the Beaver would like to join your circle. My Circle very much, so I thought I would father has taken "'The Farmer's Advo write to you. I have a pet dog, and a cate" for a couple of years, and I like
pet hen, and a pet swallow. The dog's reading the letter in pet hen, and a pet swallow. The dog's reading the letters in it. For pets, 1 name is Sport, and the hen's name is have two cats, one black and one very
Rebecca, and the swallow's name is much like a tiger, and I have a cow for

"This Little Pig Went to Market
From "The Australasian
Peter. Rebecca is three years old, and a pet too. I go to school every day chickens, and she is laying now behind school. In winter I don't go sometime the woodshed deor. Sport is black with when the roads are blocked. short hair and long ears. I got the One evening as one of the other school swallow when it wasn't able to fly very boys and I were walking through the kept it in for a while, and when I let 'it He wanted to take the aggs away fly away and I caught it again before said if he took the eggs away the old
dinner, and I left it on the chair while
one would not go to the nest, and the
young robins would not hatch out.
think $I$ will close for this time bed time.
Water
LORNE SNYDER. Waterloo, Ont.
You are a kind boy, Lorne, when you most of our Beavers are as thoughtful. Dear Puck and Beavers,--Last spring a
cat came to our place. She had three
kittens, one black one, and two grey ones. She had her nest in the hay gre When the kittens were born, we used to go and pet them, but soon their mothe got angry. She moved her nest again
under the binder. We did not know under the binder. We did not kno
where the kittens were until they wer big. One day my father found them.
He showed them to my brother and one He showed them to my brother and on
of my sisters, my sister showed me them of my sisters, my sister showed me than
too. They were pretty large then. was away then for three days. When
came home two of them were dead. came home two of them were dead.
did not know for a few days alt my mother told me they died when I was gone. I felt very sorry for the
kittens. We feed the old kittens. We feed the old cat and kittel
every morning and night when we mill every morning and night when we mit
the cows. Mother said she saw the cat with a big rat this morning. My lette is getting long so I must close, wishing TRRESA BROHMMAT
Ponsonby, Ont. $\begin{array}{r}\text { TERESA BROMMANT, } \\ \text { (Age } \\ 9, \\ \text { Jr. III.) }\end{array}$
Dear Puck,-I have four pets, a dog a colt and two cats. One of the cat
is grey and white. We call her Kitty She was four years old last spring. She is a good cat to catch mice and rats
One day I got some very small fel One day I got some very small fish
Next morning $I$ gave them to her. She ran of with them to her kitten. They both love fish. She has a few trieks to play on birds and mice. One day I wa
going for the cows and she followed me. Blyth, Ont CORA, SKELTON. Don't let (Age 9, Sr, II.) Don't let your cat catch the birds,
Cora, if you can help it.

Fear Puck and Beavers,-We take "The Farmer's Advocate," and I like to read I will not make it long I frst atcempt end a hall from, school, and ton mille from London. I have a little colt nailed Bobbie, and a little black-and-white cal
named Tidy. I have to feed the hens in named Tidy. There to feed the hens in
the morning before I go to wehool, and gather the eggs and foed the hene when I go to I go to school nearly every day, and
like it fine. Our teacher's name is Miss Ward.
Well Puck, I will close.
MACKEY GRAY.

## erguson, Ont. <br> Age 9, Sr. III

Riddles and Cipcle Notes. Around the house and around the house
and sleeps in a corner at night.-Ans.broom.
What has a million eyes and can't see
bit?-Screen door a bit ?-Screen door.

Ladies tell me, if you ca
Who is that highly-favored man Although he marries many a wit Ans.-A Clergyman.
Sent by Mabel Gillie, Pakenham, Ont. Dora. Jensen (Age 10), Salmonhurst,
Victoria Co., New Brunswick some of the little Beavers to write to

Out in the Fields with God.
The little cares that fretted me I lost them yesterday
Among the fields above Among the fields above the sea,
Among the winds at play; Among the lowing of the her The rustling of the trees,
Among the singing of the birds, Among the singing of the b
The humming of the bees.
The foolish fears of what might happenI cast them all a way
Anong the clover-scented grass, Ainong the clover-scented grass,
Among the new-mown hay: Among the new-mown hay:
Among the husking of the corn Where drowsy popptes nod, Where ill thoughts die and good are
bornOut in the fields with God. -Elizabeth Barret Browning

The Mending Basket
Another Experience of Fapm Life.
I hive been very much interested in recent discussions.
When I awoke a few mornings ago, it was to the realization of a most delight-
ful October morning, and the promise of a still more delightful day
I can always wort better on a nice day, so my thoughts naturally ran along pickling and preserving to-day; maybe will can some tomatoes, and made some more Chili sauce too, then, if I have time, 1 will inish making that skirt. Oh, yes, I did a lot
mind), that morning.
But and house remarked," "Guess we'll start digging potatoes to-day. Suppose you ca help us? Now I really don't mind picking up work in the house to be done? However, I hastily decided that it would have to wait. What use talking pickling and canning to a man, when he has decided to dig potatoes?
Coming in after spending the day and the rest of the evening work is bad enough; but to discover that those plums ust have to be canned, when every bone in your body is crying out a protest 'insult to injury." But, that was jus what I had to do. Is it any wonder when the man poked his head in the hat stuff alone and go to bed ?" that the answer was so sharp. that he
vanished in the direction of his own bedanisbed in the direction of his own bedHaving finished the business, I also
went to bed, to awake refreshed in mind, I rather sore in body, and spend anothe half day in the potato field. finished, I telt that the life of a farmer's wife was certainly not to be desired. Fortunately, I am not a farmer's wife, so
that did no harm to any body. And that did no harm to any tooty $\dot{\text { I }}$ am a farmer's duughter, keeping house for my larmer brother, so I know what farm life
is. But let me add, that this work is
something unusual for me, but the hired man left, (they sometimes do) so what was a per
I think very few farmer's women olvect
to do this, but why can't the men apto do this, but why cant the men appreciate the fact that we do help
willingly, even when by doing so, we willingly, even when by doing so, we
know we will have to do two days work
in in one, to catch up with our own work?
Even the best of men sem to have Even the best of men ssem to have
an idea, that a woman's work is a "snap."
I do not hesitate to say, that the
average farmer's wife works harder, acaverage farmers wife works harder, ac
cording to her strength, than does her husband.
True, a woman can make her work hard, so can a man. I feel no sympathy
for the woman who is continually pich lor the woman who is continually pick complaining of their untidiness.
If a man is untidy, some woman ha made him so. a large family, the oldest being all
girls. We little girls were always girls. We little girls were alway
taught to hang up our own clothes, but our mother imagined that boys should be waited upon. Being unable to do it herself, she expected the older girls to
do it, They, however, had a different do it. They, however, had a difterent
opinion, and took the law into thier own opinds. To-day, I am reaping the fruits of their labor; the men's shoes and
clothes are always put in their proper places.
Not all farmers' wives live such strenuous life, as the one depicted by "Sherard McLeay," if they did ther
soon wouldn't be any.
why should it be left to women to Why should it be left to women to
feed the calves, pigs and fowl? To do

 Truel the women uanaly, 1.ook ataor the

 that source? But this is getting down to the financial side of the business, and as I said before, I am not a farmer's
wife, and so will not try to solve that problem.
But, if this will lead some man to
realize that womens work is just as in realize that women's work is just as im-
portant as his is, thereby making him more thoughtful of some woman, and more willing to lend a helping hand, I
will feel that I did not take up my pen will feel that I did not take up my pe
in vian.
Perth Perth Co., On $\qquad$ adeline.
Mappy the Right Man. I have read with rather disgusted,
 he describes may exist in the backwoods
among the most ignorant and old-fashioned people, but, thank goodness, the days of such living are not commonly known by the majority of people in OnIn the first place, if there is any to a farmer's wife by her husband, you
to rearding or can trace it to mistaken choice of a huswalk of life. If a girl is blind enough to marry a young man who can drink a little, smoke some, drive a fast horse, forget his mother, slight his sister,
show no signs of business ability earning power, she can expect no co forts. Do not marry a man to reform
him, or expect him to treat you better him, or expect him to treat you better
than he has treated the members of his own family, when a boy or young man. If you make a suitable choice in a hus-
band there can be more comforts and band there can be more comforts and
pleasure on a tarm to-day, than in any other position in life. City conveniences; sunshine, flowers, grass, trees and fresh
air, are blessings which can air, are blessings which can be had by
all intelligent farmers to-day. In any well settled part there is no reason why country people cannot be on equal foot-
ing with their city cousins.. ing with their city cousins.. The pig-
feeding days for women on Canadian feeding days for women on Canadia
farms to-day are not thought of, known, in any ordinary or half up-to date place. A fow conveniences which are very common might be mentioned. The houses
are being built, or renovated, to save work and steps to the fullest degree. lighting systen, dumb-waiters, bathroom, and water system equal to those in city residences. Any farmhouse with
water in well, or cistern, at a reason able distance from the house, can have a force pump to send water into a tank upstairs, from which pipes can convey
the water to any part of the house, be had for the turning of a tap. A sem feet of hose from the taps to the wash machine, or boiler on the stove, and to the comfort of wash-day. Wher water is near the house, and there is a natural drop to carry off waste water,
the whole system can be put in for lese han $\$ 75.00$.
With telephones in nearly every country home, regular bi-weekly calls from the baker, and grocery-man, and being able
to dispose of all butter and eggs at the oorspose of all butter and eggs at the
door, the house-wife has not so many troubles as the city friend who has to go out for these things, and cannot then depend on quality of her purchases.
With regard to meals, the city wom has the greater difficulty, as the different members of the family follow
different diterent lines of work and vari-
ous hours, so the breakfast and dinner hours are lengthened to a space of time that would strike horror to the farmer's
wife, who can depend on gathering the wile, who can depend on gathering the
family together at one time and putting things in the dining-room to rights with dispatch. Experience has shown me that
the litter of boots, papers, matches, etc. the litter of boots, papers, matches, etc.,
are more likely to be seen in city than country homes. Countrymen smoke out of doors and leave their boots in the
outer rooms, and are more careful to fold outer rooms, and are more careful to for
their papers than men in the city. All honor to the useful, hopeful life the cheery farmer's wife. S. E. W.
Durham Co., Ont.
"The Fapmer's Advocate'


Tges shit widit or


7580 Six Gored Skirt
for Misses and
Small
 7584 Child's Box Plaited


Order order patterns. arement as required, and allowing least ten days to receive pattern. Price ben cents PER NUMBER. If two numcoat, the other for skirt, twenty cent must be sent. Address Fashion Department, '"The Farmer's Advocate and Home

## All Hallowe'en.

All He By Lalia Mitchell.
All Hellowe'en, and dark and green While pool and spring make bold to fing Back star for star in mirroring
The over-sea of sky A vagrant breeze, through bending trees Since all must know, for weal or woe The witches dy to-night,
All Hallowe'en, and safe between Gnarled boughs, a maiden trips
Love lights her heart, but And dread of weird cabola fart Has hushed her laughing lips. Shall Fate be kind, or will she find
But added cause for fright As mystic lore, she murmurs
When witches fly to-night.

## All Hallowe'en, and love were mean

 To flout a maiden's prayer,She bends to look in That dances past their trysting nook And lo, his face is there. , Their homeward path of light, lea 'Neath stars that know, for weal not woe

## Ideal Canada.

## By A. D. Watson, M. D

 Among these cloud-reefed hills We'll build a. stateFairer than prophet's dream, Fairer than prophet
Where man shall be as steel,
In brawn and nerve,
And free, only because
And free, onty because
He loves to serve.
And none shall gain by wrong. Or spoil or fraud, And greed outlawed.
Each shall respect the rights
That others hold That others hold
When all are true as

Our Canada shall then
Securely stand,
Her mountains tipped with snow, Her summer days,
Her forests, field and lakes, Her pleasant bays.

And all her fruitful lands
And waters bright
Shall be a praise and
Shall be a praise and joy
The world's delight.
May this delightful dream
With hope inspire
His soul's desire.

The Common Things
he things of every day are all so
The morning meadows wet with dew;
The dance of daisies in the moon, the
blue
of far-off hills were twilight shadows The night with all its tender mystery of And silence, and God's starry skyl
O! life-the whole life-is far too fleet, The things of every day are all so
sweet. The common things of life are all so The waking in the warm half-gloom To find again the old familiar room,
The scents and sighte and sounds that
never tire,
The homely work, the plans, the lilt of baby's laugh,
The crackle of the open fire
The waiting, then the footsteps coming
near,
The opening door, the hand clasp and
the kiss-
Heaven not, after all, the Now and
Here,
The common things of life are all so

## -Anonymous.

"He Was So Kind.
Hall-hidden by sea-pinks and tangled
grasses

Only four little words are carved upon
"He was so kind."
He who lies dreaming there-had he high
Had fame or wealth their gilits to him
Had fame or wealth their gits to him
assigned ?
know not; yet his deeds pass on like
music,
music,
For he was kind!
Those little words-they whisper life's
true values
Of that which is worth while to leave
behind;
For
who could wish to know more
lovely tribute-
"He was so kind."
In "Our Dumb Animalls."
If you do not enfoy your life, your
tiving is wrong.

OCTOBER 31, 1912
THE FARMER'S ADVOCATE

## "Winter Suils Like New with Diamond Dyes"

I think I ought to toll you for the benefit of others about my success with Diamond Dyes. Before I I learned the magic of
Diamond Dyes I used
to scrimp and worry to scrimp and worry
every spring and fall about how to get new,
fresh cothes for my
daughters and myself. I guess the two snapshots I enclose will show
you that I don't worry you that I don't worry
much now. These are much now. Ther
two winter suits I made
over from a light tan
serge suit and a brown over from suit and a brown
serge
broadcloth d dis broaddoth dress a nd
coat. I got two of the
latest- suit patterrs, ripped up the old
suit and dress with coal suit and dress with coal
carefully, and they are
just like newe just like new.
$I$ also dyed some old
ostrich plumes and bons, and we made three bons, with them. Please send me a copy
of the new Diamond Dye Annual
Made over from ${ }^{2}$,
brown broadcloth,
dyed black.
Mrs. H. G. Burgess

## DiamondDyes

There are two classes of Diamond Dyesone for wool or silk, the other for Cotton, Wool or Silk now come in Blue envelopes. And, as heretofore, those for Cotton, Linen,
or Mixed Goods are in White envelopes.
Here's the Truth About Dyes fo
Home Use. Our experience of over 30
years has proven that
one dye will successfuly



DO NOT BE DECEIVED Made over from
can serge, dyyed For these reasons we manufacture one clase on Diamond Dyes for col cinges of Diamond Dyes for
Goods, and another chat
coloring Wool or Silk, so that you may obtain the very bese results on EVERY fabric,
REMEMBER: To get the beat possible results Diamond Dyes manuifactured
 results in coloring Wool or silk, use the Diamor
Deys manufactured ewpecially for Wool or silk. Dia mon d Dyes are sold at the unifor
price of toc. per package.

## Just out---Sent Free

 New Edition, 1912, 1913 Diamond Dye Annual This book is full of dress secrets,how to do almost magical things about the home, etc.

Send us your dealer's name and address- tell us
whether or not he sells Diamond Dyes. whether or not he sells Diamond ork of helps, the
then send you this famous obok
Diamond Dye Anual a copy ofthe Direction Book,
and 38 samples of Dyed Cloth-Free. THE WELLS \& RICHARDSON CO., LIMITED

The Ingle Nook.




Dear Friends of the Ingle Nook,-A few quotation from an address given by
Dr. W. A. Evans before the Canadia, ublic Health Association in Toronto bit.- "People used to think,"" said Dr Evans, "that deaths invariably resaltea
from a special intervention of God, an Tow, ${ }^{\text {Nan }}$ was helpless to prevent the someone had sinned, either an individual, or a community, or a nation."
I wonder if you have been thinking apon you, if you did not realize it be-
uore, that among the "individuals" who have been great sinners in this respect,
have been, and are still, mothers, yes mothers,
of them.
Now, there is not a mother in this
country who does not country who does not wish to keep her
family in good health,-that goes without saying. The trouble is that so
many of them are just densely ignorant in regard to the ordinary laws of health. $\therefore$ They do not think they are igno-
rant. Oh, no 1 They imagine they are
doing the very best possible makes the whole question so very much
the worse, for there is no one in the dividual who does not realize his, in this case her, limitations, the one who feels
that she already knows all that is neese
sary, and makes no attempt to learn sary, and makes no attempt to learn
more. When it comes to questions
health, such women ar gerous, for, to a great extent they hol the health of the nation in their hands for causes. She just dangles along managing her household affiairs as per-
haps her mother, who knew no more did before her. Unhygienic condition presently someone fallis ill; she flies for
the doctor, gives medicine, spends anxious nights in sick-nursing, and rests
satisfied that from start to finish she has done all for the best. As a noted
haysician has said, "The world is filled physician has said
with women who blame Providence fo drugs to alleviate the symptoms of dis organized health, when the only commonyense thing to do is to find out the
cause of ill-health and deal with that." Such women have good reason to con-
fess each Sabbath morning and evening. "We have left undone the things which
"we ought to have done." Still more,
we they have urgent need to apply to them-
selves Luther's definition of repentance, "Do so no more," and to start out de
termined to find out all that is to be health, and still better, to practice it. TO A. CERTAIN EXTENT, EVERY MOTHER OF A FAMILY SHOULD BE
A TRAINED NURSE. She may not, it A trae, be able to take a course in an
is true
instite, insme-nursing are cheap, the magazines overflow with articles upun these subjects, and there are
who may be consulted on any question
that may come up. The true mother will apply herself to learn these things the false one will turn over the page
whose head-line runs, "Prevention o Disease," and snuggle hersell down in an
arm-chair to read the love-story at the arm-chair to read the love-story
back. Reader, do you do this?
Read the love-story if you will, beg of you, master the other first. TT learn how to set up conditions that wil
aid greatly in preventing siokness in aid greatly in preventing siok less
your house, is no very doep or laborios
task; in the words of the physician abov tauted, "The knowledge can be simply and easily acquired by anyone who cul.
tivates common sense at the same time. The irst thing the true mother should
realize is that, in order to be happy and realize is that, in order to be happy and
efficient, her children must have good

 they will not mako as onficent men and
women (unles endowed with oxcoptional


Your baking will be successful
White swan yeast cakes Makes sight, sweet and wholesome
bread.
If your groeer han it pot along, just as young pigs and calves
must have good health if they are to must have good health if they are
make strong, vigorous animals. The second thing that the true mother
nust realize is that, almost entirely, this question of the health of the children lies in her hands. If she does not derstand just how to promote it,
must find out. Providence, for Providence has given
brains, and expects her to use them. she doesn't use them, she must

$$
\begin{aligned}
& \text { Now, to be specific, there are a few } \\
& \text { laws of health that cannot be broken }
\end{aligned}
$$

## with safety.

In the first place, every human being
needs a certain amount of bodily exercise, and a good deal of it. Every part of the body should be exercised if possi-
ble, hence children should be encouraged to work and to play, and made to un-
derstand that this regular exercise must derstand that this regular exercise mus
be kept up all through life whatever the be kept up all througa. Don't let the
occupation fixed upon. Din
boy pore over school-books all night. It you do, a narrow ch
will be the result.
(2) It is necessary to understand that
over-work, with undue fatigue, is bad
for the health for the health. Don't drive a, child a
work until he is "dog-tired." If you do, he will hate the work itself, and
body will suffer with his mind. member that children tire rather eat
How common it is to hear grownsay to a child, "I never was tred
your age." It is noter who says it has forgotten.. The one any reason, the child comes in tire
from either work or play, and lies dow to rest, cover him with a shawl. Cold
is very easily caught when the body is in a state of latigue, and cold may (3) Remember that, while over-feeding is to be guarded against, under-feeding the child eats too muuch, too fast, too often, or of too rich food, he will likely
become a victim of dyspepsia, indigestion, headache, liver troubsle, or sleop-
lessesess, or a combination of the se lessess, or a combination of thess. If
he eates too little, or lives upon food that does not contain enough nutriment (protein and carbohydrates), he may fall Make him eat slowly, and at regular intervals; above all, make him chew hif food thoroughly, so that every particle
that enters the stomach may be saturated with the saliva, a digestive juice
Do not give him very much rich pastry, but see to it that he has a well-balanced ration, consisting chiefly of por-
ridge, milk, bread, vegetables, eggs,
little little cheose, fruit, and meat once a day oat cakes, and Graham-flour cakes, are all good and wholesome, much better
than pies and truit-cake, for either chill than pies and fruit-calke, for either chil
dren or grown-ups. (4) Insist on fresh air, winter and
summer. Flood the house with it, and
with sunshine with sunshine. Encourage the children
to play outside as much as possible to play outside as much as possible,
and clothe them so warmly that they
will want to will want to do so. Above all, kee their feet and ankles warm by means of
good, warm stockings, leggings good, warm stockings, leggings, an
rubbers to keep out the wet, for cold
wet feet, mean, as a rule colds, wet feet, mean, as a rule, colds, wit
all their danger. There is really
necessity necessity for any child to be witho leggings during the winter, since sple
did ones, buttoned up the side, may
made did ones, buttoned up the side, may
made of old coats, old trousers, etc. And don't, don't, don't bottle up th
house in the fall, thinking thus to house in the 1all, thinking thus to keep
it "warm." People simply must have pure air to keep well. It is as neceswindows are kept shut, the air becomes, in a very short time, positively dirt,
just reeking with carbon dioxide, esp
cially down about the cially down about the floor where the
little ones play, and carbon dioxide-th little ones play, and carbon dioxide-the
gas breathed forth from the lungs-is, gas breathed you must know, an actual poison. open doors and windows several tim
day, and let all this blow out,
it ( 6 cakes at sc.), send us his,
name and ast
samper free
White Swan Spices \& Cereals, Limited
Famous "Pint of Cough Syrup" Recipe.
No Better Remedy at any Price. Fully Guaranteed.

Make a plain syrup by mixing two cups of granu-
lated sugar and one cup of warm water and stir for








 ruggist has Pinex, or will get it for you. If not.
end to The Pingax Co., Toronto, Ont.

FACIAL BLEMISHES The successful home
treatment of $S k i n$, Scalp, Hair and Com: been a specialty yith We treat Pidaples,
Blotehes, Blackitld,
Ecrema, Freckites, ationpa, Ivy Poisooning
ather
Ring Nooe Wrinl des, Dandruif, Griyt Faing Warts, Red Veins, Superfuoue Hair, or





THE PLAYTIME WASHER Means a saving of
money to the farmer and his wift. The time
energy spent over the wa energy spent over the wash
tub could be employed more tub could be employed more
profitably in some other way.
t might mean more and better butter, poultry, fruit and eggs.
The "Playtime" is adapted to The Prlaytime is adapted to
either hand or power operation.
In either case it eliminates the In either case
HARD work of washing and
saves wear and tear on the


Bixerilitity
Learil CISOLINE Engineoring



CanadianCorrespondenceCollege,Ltd.
$\qquad$ Parsley Jelly. sent from "the west," parsley jelly, also Nook reader who requested it. Ingle parsley is hardy, there will be enough ot it in the gardens to try this sweet which, I should imangine, is to be eaten with meat.
 Cather the parsey while at its best, 1 I nave come to you for information. wash it well, cover with cold water, been washed onco, and tiunned which has presen down, and boil thirty minutes, bit yollow. It it iot nowd dirity again, and

 One pound sugar, and boil for twenty
minutes,
 Thisis the reipe nas sent. I should yirn you tell me the latest way tor a


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eueries.
```



 hints. I come now to ask a few ques-
tions. I have a light tan coat on which I
got some red paint.

 avail. Could you please tell me what
would take it out witho would take it out without taking out
the color? Will you also tell me on what day the
ninth of August. Thanking you in advance, I will sign
myselt myself,
Lambton
Co, ont
IRISH JEAN. The odor of the turpentine should dis-
appear in a few days. appear in a few dary. . . The ninth of
August, 189 , was a Monday
cleaning sweater-nut creams Dear ETC
Sor Jubia, Like many others, I an Lot many a disulusilions very much, and sot many A helprul hint.i, emioved the
washing it again or not. I intend to
dye it red some time, but theng girl of 16 to do her hair?
I have a pale - blue, flufy sprig for a
hat, and want hat, and want to color it. Will it
color?
If I am not asking too much, might I
ask how to hemstitch a handkerchief ? Here is a hemstitch a handkerchief? and date creams": Oxe lb. walmuts, 1
lb. dates, 1 lb. confectionery egg (white). Shell walnuts, stone dates.
Into white of 1 egg (do Into white of 1 egg (do not beat it)
stir sugar, adding hall a wine stir sugar, adding hale a wine-glass of
water and two teaspoonfuls vanille
Fill then Fill the dates with the cream, and make small ball of cream, putting walnuts on
each side. Press together each side. Press together and sprinkle
with granulated sugar INQUISIITVE
Wellington Co., Ont.
To clean a white woollen sweater so
that it will not yellow that it will not yellow, use hot hot water
made into suds with pure horax made into suds with pure borax and
mild white soap, such as Castile or
Ivory. Rinse the tory. Rinse through two clear waters
to which a little borax has
having having each water hotter has been added,
Do not wring, simply the last. Do not wring, simpler than the last.
water with the hands first out the Water with the hands first, then out the
dry cloths, and fineenWater $t_{0}$
in 1 ta
$a_{a}$

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& \text { butter ir }
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OCTOBER 31, 1912
in a warm place where there is sheet rent of air, but by no means expose e the
coat to the sun; or it will become dry and hard.
If there is not too much greasy about the sweater, you can clean it
nicely as follows: Shake all the dust out, then spread the coat on a shee astarch, mixed with powdered bora Roll up and put away for a day or two then shake out. If the sweater is quite
grimy, it should be pressed between grimy, it should be pressed between
damp woollen ctoths before putting the starch. White woollen shawls,
fascinators, and silk waists and veils lascinators, and silk waists and veils,
may be cleaned very nicely this way. may be cleaned very nicely this way.
Young girls are still wearing the hair, as a rule, parted in front and in three coils low on the back of the head, but quite often, girls of 16 or 17 are
seen wearing one long braid or curl seen wearing one long braid or cur
hanging down the back and tied with a ribbon bow at the top. This is a ver
pretty, girlish style. pretty, girlish style.
You had better se
feather, to a professional dyer to flufy colored. a professional dyer to have For hemstitching, you first draw the 0 nd down) into saltch those remaining (up
slusters with ar you tonhole stitch. Get someone is very difficult to give direction as it

Cookery for Cool Days. Macaroni Savory.-Put into just enough
water to cover
lb. macaroni also in 1 tablespoon butter, 1 small onion with three cloves in it, herbs and dried
parsley to taste. Boil about parsley to taste. Boil about 40 min-
utes, until tender, then drain and mix with 6 ounces grated or sliced cheese, beaten egg yolks, a spoonful of chutney or Worcester sauce, some cayenne, and as much gravy as needed to make the
thickness of a sauce. Simmer 5 or 10 thickness of a sauce. Simmer 5 or 10
minutes, scatter a few breadcrumbs
browned in butter browned in butter over the top, and
serve. serve. Macaroni is a very nourishing is as a supper dish.
Ked geree. One-hall lb. cold flaked fish Kedgeree.-One-half lb. cold flaked fish
free from skin and bone, 3 ounces boiled rice,/, 2 hard-boiled eggs. Melt 2 ounces
butter in a saucepan, add the fish and stir gently. Put in the whites of the eggs chopped, and season to taste.
Move gently about over the fire until Move gently about over the fire until
thoroughly hot, and serve on ant dish with the yolks of the eggs pressed through a sieve over the top. A nice supper or breakfast dish.
Biscuit and Cheese.-Dry a slice of good firm cheese and grate it.
a crisp soda biscuits or cream wafers, and
place upon each a tean place upon each a teaspoonful of the
grated cheese. Set in the oven for 10 grated cheese. Set in the oven for 10
minutes, and send to the table very hot. Graham Muffins.-One quart Graham (fiour, 1 tablespoon brown sugar, 1 tea-
poowder salt, 2 heaping teaspoons baking gether the flour, sugar, salt, and baking powder. Add the milk in which the beaten egg has been mixed. Beat to a rings, or deep pastry pans, about two thirds full.
Bacon
and Porridge.-Slice breakfast bacon very thin and fry. Lift it up
and place where and place where it will keep warm.
Slice cold corn-meal porridge lett over from the day before, dip in grated
breadcrumbs or corn meal breadcrumbs or corn meal, fry brown in
the gravy, and serve with a slice of bacon laid on top of each piece. Apple
1 dozen
doze.-Pare, core, and quarter
nice, juicy apples. 1 dozen nice, juicy apples. Stew in
water enough to cover untit the pieces
break Beat to a pulp with a good
lump of butter, a cup or more of sugar, and the juice of one lemon.
Baked Hash.-Two cups of any cold meat (several kinds will do, if on hand). (prefernbly through a meat-grinder),
seasion with parsley, salt and pepper. season with parsley, salt and pepper,
dried sate or celery salt if liked; add 2
cups cuicd sage or celery salt if liked; add ${ }^{2}$
cotato mashed and beaten with
milk to a cream, put into a greased earthenware or enamelled pan, dot over the wh with butter, and bake.
Potntoes a la Maryland.-Six potatoes
pared and cut into thin slices pared and cut into thin slices; lay in
cold water for 15 minutes, drain, and put in a stewpan with milk enough to
cow., put on the lid cow., put on the lid, let simmer slowly
until perfectly tender; then add butter
nd serve in a hot dish.
Baltimore Pudding.-C or layer-cake in slices.- Lay some sponge fices in the bottom of a baking dish;
fil nearly to the top of the dien any kind of canned fruit, thrained with the if too juicy. Put slices of the cake becomer the top. Set into the oven to
bet then spread with a meringue of the whites of 2 eggs with a meringue lew moments. Set back in the oven for
leme hot with cream.

## The Two Wopkeps

Two workers in one field
Toiled on from day to day.
Both had the same small pay
With the
With the same blue sky above
The same green grass below,
One soul was full of love,
One soul was full of lo
The other full of woe.
One leap'd up with the light,
With the soaring of One felt it ever night. lark; For his soul was ever dark. One heart was hard as stone, One worked with many a groan One whistled all the day.
One had a flower-clad co Beside a merry mill;
Wife and children Made it sweeter, farrer still; One a wretched hovel had,
Full of discord, dirt, No wonder he seemed and din Wife and children starved within
Still they worked in the same field Toiled on from day to day; Both had the same hard labor But they worked not with one will, eason let me tellAnd the other at the the still -National Advocate

## The Critic

 mud-turtle sat on a stone in the sun A vain little flyHe stopped on that same rock to say Houre the You are clumsy, and stupid, and slow And just how you manage a living at all
Is a thing I would much like to know.'
But the little
But the little mud-turtle spoke never
As he sat in the sun on the slone; He wearily blinkeu,
He thought as he winked
He thought as he winked,
That a wise fly would let
That a wise fly would let him alone power to torment, And he buzzed at the mud-turtle's head Tittle snap And the critical insect was dead. It is really too bad that the fly nev That the turtle was wiser than he; For a creature that thinks As it winks.and it blinks May a dangerous enemy be.
And because one can clatter, and buzz, 'Tis no proof he is clever or wise He may do no more good than to ser For the one whom he feigns to despise.

## Save Fuel

$\qquad$ ny using a fireless cooker? Start cook
ing your eatables on the oil-stove range, then put them into the fireles oil-stove out, or let the kitchen fire just smoulder. Fuel will be saved, and
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advertisement of the Dominion Fireles advertisement of the Dominion Fireles
Cooker Co., Toronto, elsewhere in thes Cooke
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S., Toronto, Ontario. MENTION "FARMER'S ADVOCATE."

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So far we have not advertised Columbia Graphophones and Grafonolas, the de mand being greater than the supply
but we recommend the Regal at $\$ 52$, of which some of our dealers already have a stock. We have other in If you have any difficulty in obtaining


## The Dominion Fireless Cooker <br> A FIRELESS COOKER for a Christmas present.



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low cost of selling by our direct-from factory-to-farm method, we are in a position to do so. Our small profit, as you wil low cost of selling by our direct-from factory-to-farm method, we are in a position to do se.
see, is based on a very lerge volume of business, and it is necessary for us to sell enormous quantities of these gates to continue to sell them at the prices we q'ote. We cannot guarantee this offer for any lengt of time. Send us your order
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[^1]
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News of the Week.

## anadian

Sir Mackenzie Bowell, former Premie of Canada, who was injured by a.
recently, is in a critical condition.

The plant of the Energetic Explosiv Co., two miles from Haileybury, wa blown up on October 23rd, and five poo ple were killed. The force of the con-
cussion shattered windows in Cobalt, cussion shattered
four miles away.

BRITISH AND FOREIGN. The rebellion in Mexico, led by General
Feliix Dinz, has bee; crushed, and Vera Cruz is once more in possession of the Federal forces.

An important engagement occurred at capturing the position and driving the Turks back with serious loss. Greek and Macedonians from all parts of the
world are hurrying to the Balkans to world are hurrying to
take part in the war.

The Bulgarian King's beautiful summe residence on the Black Sea has been de
stroyed by a Turkish fleet, and the But stroyed by a Turkish fleet, and the Bul by the bombardment.

The first conviction has been obtained in the famous Rosenthal case in New York City. Ex-Police Lieut. Becker has
been found guilty of murder in the first degree. He was charged with hiring a number of "gunmen," now under arrest, ing in regard to police graft in New
York.

## Lyeidas.

 By T. B. Aldrich.walked with him one melancholy night Down by the sea, upon the moon-lit While in the silent heaven the Northern Light Beckoned with flaming hands
Beckoned and vanished, like a woeful

That fain would lure us to some dis-
And tell us tales of ships that have been And in violence and blood.
And where yon daedal rocks o'erhang We sat together, Lycidas and
Watching the great star bear that in the
Guarded the midnight sky.
And while the moonlight wrought its
miracles,
Drenching the world with silent, sillver
rain,
He spoke of life and its tumultuous ills; He spoke of life and its tu
He told me of his pain.
He said his life was like a troubled sea
With Autumn brooding over it. and Spoke of his hopes, of what he yearned And what he might have been.
I hope," said Lycidas, "for peace at I only hope for peace, my god is Ease;
Day after day Breaks all my images.
There is a better life than I have A surer, purer, sweeter life than this There is another, a celestial zone,
There I shall know of blisa,"
Close his sad eyes and cross his helpless
hands, lay the flowers he loved upon his
breast; For time and death have stayed the That $\begin{aligned} & \text { golden sands } \\ & \text { ran with such unrest }\end{aligned}$
You weep: I smile, I know that he is So is his! passion; and 'tis better so; Take him. O earth, and round his lonely take head

остов
october 31, 1912

## How Did You Die?

 Did you tackle the trouble that came With a resolute heart and cheerful? Or with a craven soul and fearful? ob, a trouble's a ton, or a trouble's an Or a trouble is what you make it,And it int the fact that source hurt that counts,
But only how did you take it? You are beaten to earth? Well, well, Come uh with a smiling face. Come up with a smiling face.
It's nothing against you to fall down But to l lie there-tnat's disgrace. The hardier by our bounce;
Be proud of your blackened eye! It is n't the fact that you're licked that It's how did you fight, -and why? And though you be done to the death,
what then
And though you be done to the deal
what then? If you battled the best you could,
If you played your part in the world Why, the critic will call it good. Death comes with a crawl, or comes
with a a pounce, And whether he's slow or spry,
It int the fact that you're dead that
But only how did you die? By permission of Dodge Publishing C
New York.)
Not Work, But Worry. It is not the work, but the worry.
That wrinkles the smooth, fair face, That blends grey hair with the dusky, And robs the form of its grace, Of eyes that were once so bright,
But now are heavy and troubled But now are heavy and troubled
With a weary, despondent light. b the work the worry. That drives all sleep away, As we toss and turn and wong About the cares of the day.
Do we think of the hand's hard Or the steps of the tires feet? Ah, not But we plan and ponder How to make both ends meet. It is not the work, but the worry
That makes us sober and sad When we should be cherry and g There's a shadow before the sunlight, And ever a cloud in the blu; The scent of the roses is tainted,
The notes of the song are untrue.
It is not the work, but the worry, That numbers the years of its children Ere hall the story is told
That weakens their faith in
hen That weakens their fart in in heaven
And the wisdom of God's great plan. And the wisdom of words great plan.
Ah! this not the work, but the worry,
That breaks the heart of man. That breaks the heart of man. Song of Exile.
When the sur strikes the wrotionles And the sandhills are white with the Wo long for the breezes of. England
And the grass that treads soft to th When $\begin{gathered}\text { Ret. } \\ \text { the camels march slowly, so } \\ \text { slowly }\end{gathered}$ And we rock to the sound of the bells,
The song in our heart is of England Green memories still haunt and evade us Cool scenes mocking pass and repand
Brief glimpses of parks and green pa Sort lawns, and wide fields of long grass; And the tyrannous sun is forgot While fancy-enthralled we revisit We who dwell in these sun-smitten plain lands,
And work under
Where never the And never a sea-breeze sighs, And never a white sail quivers
Wind-driven and flecked with the foam-Wind-driven and flecked with
We dream in the silent night watches We dream in the silent night wat Hon

THE FARMERS ADVOCATE.
1903

A Windy Day. Through the meatless wind is boot blowing When the turbid stream is flowing an angry mood,
To the steen clii $T$ would Where the sea-sulif I would hie, When the wild o wesull wailing fy- wind is blowing
Through the tent Through the leafless wood.

Skies face is veiled in anger Skies are darkly grey;
Gone the summer's dreamy Riot rules today! And the leaves whirl through the air
And their dun-hued death-despair. And their dun-hued death-despai
Nature's face is veiled in anger, Nature's face is veiled in anger
Skies are darkly grey.
$\qquad$
But the glorious joy of living
On a day like this! When to mortals heaven is giving
Her sweet thrilling kiss Drinking in the strong pure breeze
Does away with idle Oh, the glorious joy of living on a day like this!

Come from streets where germs are To the windswept hill You will have new life for working,
When your lungs are fill When your lungs are fill.
Let the wind lash face and Breathe it in, 'Lis health most fair Come from streets where germs a lurking
To
the windswept
hill

Never Again
I wish the kettle would sing again, I wish it would sing of a lion slainOf a pirate crew on the Spanish Main
of a clipper-ship on the seaway high Of a clipper-ship on the sea-way high,
With a cabin boy and the Boy was I Just as it used to do.
I wish the kettle would sing again, Just as it used to do.
of a little girl in a bonnet red, Saved by a prince from a hydra-hend That lurked in And the girl was She and the Prince Just as it used to do.

I wish it would sing of war's alarms
The booming of cannon and clash The booming of cannon and clash Of a blue -clad boy where the strife ra With face to the steel and willing to Just as it used to do.

1 wish the kettle would sing again, Just as it used to do. he lyrics it crooned and the tales But the earth is chill and the years a The old, wing,
And never again the kettle will sing And never again the kettle will sing
Just as it used to do! -John D. Wells, in Kansas City Post
Mother-"Did that young man kiss you last night?""
Daughter- "Mother, dear, do you suppose he came all, the way up here just

## GRAND TRUNK THIN

Hunters' Excursions Single Fare for the Round Trip Oct. 7 to Nov. 9, to points in TEMAGAMI, Etc Oct. 17 to Nov. 9 to Muskoka Lakes, Lake of Bays, Penetang, Midland, Lakefield, Severn to
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ka to Parry Sound inclusive. ka to Parry
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Take A Handful 01 "St. Lawrence" Sugar Out To The Store Door -out where the light car fall on it-and see the sphiant,
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color, of every
grain, That's the way to test any sugar - that's the
way we hope you will test cavremce

Sugar
COIIDALC it $\begin{aligned} & \text { with any other sugar-compare its pure, white } \\ & \text { sparkle-itseven grain-its matchless sweetness }\end{aligned}$
Better still, get a 20 pound or roo pound bag at your grocer's and test "St Lawrence Sugar" in your home
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montreal.

## The 9th annual

## O NTAR | O

 HORTICULTURAL FLOWERS FRUIT VEGETAbLES HONEYNeEf fan THE ANNUAL 10.10 f.i. EXHIBITION
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## chapter inf.

Difference In Heart
'I don' know as I cal'lated to be the makin' of any child," Miranda had said
as she folded Aurelia's letter and laid it in the light-stand drawer. "I s'posed, of course, Aurelia would send us the one
we asked for, but it's just like her to palm off
remember we said that Rebecc or even Jenny might some, in case "I know we did, but we had n't an notion it would
grumbled Miranda
"She was a mite of a thing when wo her three years ago," ventured
Jane ; "she's had time to improve."
"And time to grow worse!"
"Won't it be kind of a privilege to put her on
imidly.
${ }^{\text {timidaly }}$
"I don't know about the privilege part if her mother hain't got her on the right track by now, she won't take to it her-
self all of a sudden." This depressed and depressing frame of
mind had lasted until the eventful day mind had asted until the eventful day
dawned on which Rebecca was to arrive.
"If she makes as much work after she "If she makes as much work after she
comes as she has before, we might as well give up hope of ever gettin' any
rest," sighed Miranda as she hung the
dish towels on the barberry bushes at the side door.
"But we should have had to clean house, Rebecca or no Rebecca," urged
Jane; "and I can't see why you've scrub-
bed and washed and baked as you have bed and washed and baked as you have
for that one child, nor why you've allout bought
goods. "I know Aurelia if you don't," re-
sponded Miranda. "I've seen her house, and I've seen that batch o' children
wearin' one another's clothes and never carin' whe anether they had 'em on right
cid' out or not; I know what they've
sid sid out or not ; 1 know what they've
had to live and dress on, and so do you. with a passel oo o things not come here
the rest owed from
$o^{\prime}$ the family. She'll hav the rest o' the family. She'll have
Hannah's shoes and John's undershirts
and Mark's socks most likely. I supand Mark's socks most likely. I sup-
oose she never had a thimble on her
finger in her life, hut she'll hinger in her life, but she'll know the
reelin' o' one before she's ben here -many
days. I've bought a piece of untleached days. Tve bought a piece of unbleached
muslin and a piece of brown gingham
for her to make up; that'll keep her busy. of course she won't pick up any-
hing after hesself; she probably never thing after hesself; she probably never
see a duster, and she'11 be as hard to
train into our ways as if she
$\qquad$
$\qquad$
$\qquad$
$\qquad$ with a shake of the last towel. Miranda
Miranda Sawyer had a heart, of course, but she had never used it for any other
purpose than the pumping and circulat-
ing of blood. ious, economical. industrious, a regular
attendant at church and Sunday-school nd a menber of the state Missionary
nd Bible sorieties, but in the presence
 you sure she was thoroughly alive. She "You need $n$ 't ' $a$ ' bothered to bring



 to a boardingschool for young carrice entry, Jeremiah, and we'll get it
vartage of a sorfow; hot the natural
 them go ; but something tor doeper. Sho was angaged to marry Tom Carter, who had nothing to marry, nitit it truef

 triendy sort of offoction, wnd hat giviem

 Secing in motion, Lito bearreatso ome thing other than the threo matala a day. the round of cooking, washing, sewing,
and church-going. Personal gossip vanished from the village converastion. Big
things took the place of trifing ones,things took the place of trifing ones,
sacred sorrows of wives and mothers, sacred sorrows of wives and mothers,
pangs of fathers and husbands, self-depangs of fathers and husbands, self-de-
niale, sympathies, new desire to bear one nother's burdens. Men and women grew fast in those days of the nation's
trouble and danger, and Jane awoke from the vague dull dream she had
hitherto called life to new hopes, new fears, new purposes. Then after a year's nnxiety, a year when one never looked i
the newspaper without dread and sickness of suspense, came the telegram saying that Tom was wounded; and without so much as asking Miranda's leave, she
packed her trunk and started for the South. She was in time to hold Tom's hand through hours of pain; to show
him for once the heart of a prim New him for once the heart of a prim New
England girl when it is ablaze with love and grief; to put her arms about him so that he could have a home to die so in
and that was all - -all. but it served. It carried her through weary months It carried her through weary months
of nursing-nursing of other soldiers for
Tom's dear sake. it sent her Tom's dear sake; it sent her home a
better woman; and though she had never left Riverboro in all the years that lay feit peen, and had grown into the counter-
feit pent of her sister and of all other thin, spare, New England spin-
sters, it was something of a counterfeit sters, it was something of a counterfiti,
and underneath was still the faint echo
of that wild heart-beat of her girlhood. Having learned the trick of beating and loving and suffering, the poor faithful
heart persisted, although it lived on heart persisted, although it lived on
memories and carried on its sentimental
operations mostly in secret "You're soft, Jane," said Miranda once; "'you allers was soft, and you al-
lers will be. If't wa'n't for me keeping you stiffened up, I ba'lieve you'd leak out $0^{\prime}$ the house into the dooryard." It was already past the appointed hour
for Mr. Cobb and his coach to be lumber"The stage ought to be here," said
Miranda, glancing nervously at the tall Miranda, glancing nervously, at the tall
clock for the twentieth time. "I guess
everything's done. T've tacked up two
thick everything's done. I've tacked up two
thick towels back of her washstand and
room,
"'Shut
behind ain't fly

Jane's frame of mind was naturally de-
pressed and timorous, having been at fected by Miranda's gloomy presages of tween the sisters in this matter was the While Mirandla only wondered how they could endure Rebecca, Jane had flashes
of inspiration in which she wonder how Rebecca would enture whem. It them
was in one of these flashes the was in one of these flashes that she ran
up the back stairs to put a vase of apple blossoms and a put a vase of The stage rumbled to the side door of
the brick house, and Mr. Cobb handed Rebecca out like a real lady passenger. she alighted with great circumspection, without injuring the fair name of that
october 31, 1912
 Mirandy
girl there. Jane. You've got a lively
I guess shélil be a first-rate ${ }_{c}$ girl there. C , Miss Sawyer shuddered openly at the
adiective ively". as applied to a child adjective "Ively", as. applied to a child
her beliof being that though children her belief being that though children
might be seen, it absolutely necessary might be seon, if
they certainly should nover be haard i.
unWere she could help it. "We're " not muci
used to noise, Jane an" me," she re used to noise,
Mr. Cobb saw that he had taken the
mrong track, but he was wrongent to explain himsalf readily, so
hargunt
he drove away trying to arg drove away, trying to thing by what
hater word than "lively" he might have safer word than "Iively", he might have
deseribed his interesting little passenger "T'll take you up and show you your room, Rebeca,", Miss Miranda said.
"Shut the mosauito nettin' "Shut the mosquito nettin" door tight ain't fiytime yet, but I want you to start right; take your passel along with
yo and then you wont have to come down for it, always make your head
save your heels. Rub your feet on tha $0^{\text {the }}$ the entry there an your ho po past."" cape in
""tes my best. that," said Roboco. "Take it uvstairs then and put it the clothespress; but $\mathbb{I}$ should ${ }^{\prime}$ 't ' $a$ '
thought you ' $d$ ' $a$ ' worn your best hat on the stage,'
Wy every-day hat,", explained Rebecca to bring. Fanny's going to finish it." Lay your parasol in the entry closet.
 ad if there was, I guess they wouldn hake for your sunshade; but come along we don't use the front stairs on account o' the carpet; take care of the turn an don't ketch your oot, look to your your face and hands and brushed your hair you can come down, and by and by
well unpack your trunk and get you notled before supper. Ain't you got
 at the row of smoked pearl button at little chest. down the middle of he "Hind side foremost? Oh, I see ! No that's all right. If you have seven
children you can't keep buttonin' and unbuttonin' 'em all the time-they have to do themselves. We're always buttoned three, but she's buttoned up in front, Miranda said nothing as she closed the door, but her looks were at once equiv, Rebeca stood perfectly still in the There was a square of oilcloth in front of each article of furniture and a drawn-
in
ruy
beside which was covered withg a fringed white
dimity counterpane. Everything was as neat as wax, but Rebecca was accustomed to. It was a north room, and the window,
which was long and narrow, looked out which was long and narrow, looked out
on the back buildings and the barn. on the back buildings and the barr.
It was not the room, which was far more comfortable thin Rebeca's own at
the farm, nor the lack of view, nor yet the long journey, tor she was not con-
scious of weariness; it was not the fear of a strange place, for she loved new
places and courted new sensationss it was because of some curious blending
comprehended emotions that Comprehended emotions that Reb
stood her sunshade in the corner, off her best hat, fung it on the bureau
with the porcupine
aills on the under with the porcupine quills on the under
side, and stripping down the dimity spread, precipitated herself into the
middle of the bed and pulled the counterpane over her head.
In a moment the door opened. पquickly. Knocking was a refinement quite unknown
in Riverboro, and if it had been heard of would never have been wasted on a
chilld. Miss Miranda entered, and as her eyo
wandered about the vacant room, it fell upon $a$ white tempestuous ocean of on
counterpane, an ocean breaking into cownterpane, an ocean breaking into
etrunce movements of wave and crest

A dark ruffled head and two trightened " "What are You lay in" on youry goroad. In the daytime for, messin, up the
feethers, and dirtyin the pillers with our dusty bots ? ?
Rebecca
rose Rebecca. rose guiltily. There seemed
no excuse to malke. Her offense was ho ond explanation or apology. "T'm sorry, aut , Mi irandy-something "Well, it it it comens over vou very again we'll have to ford out what it is is Spread your bed up smooth this minute, ur 'Biiah Flagg 's bringin' your trunk
upstairs, and I wouldn't let him seo such a cluttered-up room for anything When Mr. Cobb had put up his hors that night he carried a kitchen chair to the back porch. of brought a little Randall girl down mother. Stage's kin to Maplewood to-day, as he sat down and with 'em," he said, "She's that Aurelia's child, the one that an away with Susan Randal's son just
before we cane here to live," "How old a child ?",
"Bout ten, or somewhere along there,
an' small for her age ; but land she an small for her age ; but land $!$ she
might be a hundred to hear her talk!
Sto She hep ${ }^{\text {me }}$ Jumpin' tryin' to answer
her ! of all the queer children $I$ ever come across she's the queerest. She if she aver grows up to them eyes an fllls out a little she'll make folks stare:
Land, mother ! I wish't you could ?
 about, a child like that, to a stranger, "Stranger or no stranger, 't wouldn't
make no difference to her. She'd talle to a pump or a grindstun; s.te'd talk to
hersalf ruither 'n $n$ keep atill. "What did she talk about ?r"
"Blamed if I can repoat any of it. She wits about me. She had a little my sunshado-it kind $\mathrm{o}^{\circ}$ looked like a dolls amberint 'n' she clung to it like a doll's open it up-the sun was so. hot; but she
said it under her dress. 'It's the dearest thing in life to me,' says she, 'but it's a
dreadful care. Them's the yery ber dreadful care. Them's the very words, and
it's all the words I Tremer.
TIt, dearest thing in life to me, but it's an awful care ! ' "'here Mr. Cobb laughed aloud as he tipped his chair back against
the side of the house. "There was another thing, but I can't get it right exactly. She was talkin' 'bout the circus parade an', the snake charimer in a
golds chariot, an t, says she she was so gold chariot, an' says she, 'She was so
beautiful beyond compare, Mr. Cobb, that it made you have lumps in your
throat to look ant her, Sueld throat to look at her.' She'll be comin
over to see you, mother and over to see you, mother, an' you can
size her up tor yourself?

I don' know how she'll git on with Mirandy SawyerThis doubt was more or less openly | expressed in Riverboro, which, however |
| :--- |
| had two opinions on the subject ; on | that it was a most generous thing in

the Sawyer girls to to take one of Aurel the Sawyer girls to take one of Aurelia'
children to educate, the other that the education would be bought at a price wholly out of proportion to its intrinsic
value. Rebecca's first letters to her mother
would seam to indicate that she cordially coincided with the latter view of the
situation. (Thation. (To be continued.)

Farmer Smith was a large exhibitor and successtul at the live-stock show
and a rousing cheer greeted him as he
 Garge," thought the delighted farmer
"the people of this here town are hearty lot ! They knows how to al
 his hat to acknowledge the cheers, and
found that some hunorous triend had
foud. vicar-"The most wonderful organ ever saw was the property of a priva,
centloman. It had nearly 100 stops."

 simple a lad can run it. Sure in action. Economical
in operation. Every farmer in operation
Write for booklet.
Barrie Engines

AGENTS WANTED
Stationary or Portable; 3 to 100 h.-p., for gasoline, distillate, naturual gas and propucer
gas. Make and break or jump spark ignition. THE CANADA PRODUGER \& GAS ENGINE CO., LTD. barrie, ONIARIO, GANADA
Distributors: James Rae, Medicine Hat; Canada Machinery Agency, Montreal; McCusker Imp. Co., Regina; The Tudhope-Anderson Co.
Ltd., Winnipeg, Calgary, Edmonton, Lethbridge, Saskatoon, Regina.

## -

## DAIRYMEN !!!

No doubt you'know of the great Feeding value of

## Sugar Beet Meal

When this meal is fed, results are easily seen in the millk-pail from the shme benditure in any other ration than from the same expenditure in any other ration.
This meal is ready for shipment now. As our supply is always lars at once and send in your order early.
dominion sugar co., ltd., Wallaceburg, Ont.

№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.

II 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 ?"

ONCRETE is an artificial stone. It is a mixture of cement, sand and stone, The proportions of gravel, with water. The proportions of the various materialsvary according to the purpose for which the


The mixing and placins of comerete is
slmple. and is caslyy learned. No taborate tools are needed.
concrete is to be used. This mixture hardens into an artificial stone. This hardening pro cess 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 outla is that required for cement. Cement forms only a small part of finished concrete, and this expense is relatively small.
Concrete may be mixed and placed at any season of the year (in extremely cold weathe certain precautions must beobserved) by your-

elf and lar help Thisallows you to take
advantage of dull sea-
sons, when
you would you would otherwise
he idle. The mixing and placCONCRETE is the ideal material ple, and for barns and sllos. Belng full direcprotects the contents prorfectly. tions a re 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 idle after noon to good account by putting a new step on the porch, or making a few fence posts,
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 familiar with the use of concrete on to handle big jobs later on.

First cost is last cost when you build of concrete. Concrete improvements never need to be repaired. They are there to stay, and every dollar put into them adds several dollars to the cash value of your farm, and inf many cases improvements of this everlasting material are actually cheaper in filst 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 yore can make your farm more attractlve, more convenlent, more profitable and more

(0R mills are located all over
Canada, so that mo mat.er
Where youllive you can set Canada Cement without paylng high p
caused by lons frelght hauls.
"Why Should I Use Canada Cement?" $W^{\text {E }}$ were the first cement company to investigate the farmer's needs, and to point out to the money by using concr zte. We conducted an exhaustive investigation into the subject. learned the
difficulties they were likely to encounter, and thow difficulties they were likely to encounter, and how
to overcome them, and published a book, "What to overcome Canm, and published a book, "What
the information that With Concrete," containing all the information that the farmer could need. We have made a special effort to give the farm-
ers of Canada not only the best cement that can be

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

My name is
Address.
made, but also every possible assistance in the use of concrete. Our free Farmers' Information Bureau
is at the service of every farmer in Canada. All is at the service of every farmer in Canada. All cerning the use
of concrete are answered at once, and the
Bureau is alBureau is glad to
receive sugges receive sugges-
tions from farmers who-have
discovered new uses for cement. Last year we conducted a
$\$ 3600 \mathrm{Cash}$ $\$ 360$ Cos h in which farmers in every
Province par Province par-
ticipated. ticipatec. A Thiss sism manes in front of mear
 times as many prizes
year. $\qquad$
You can easily see why a company that is devoting this mucb attention to the farmers' needs is tory service. Can-
ada Cement will always give you satisfactory results.
Every bas and Every bas and go the mot rigid inspection before eaving the facto

YOU sho "CANADA" Cement because Its makers offer you not only the but ament made, but also careful, conscientlous, pance use of making use of it. T y you haven't received a copy of "What the at once. It will be sent absolutely free, without
obligating you in any way. Use a post card or obligating you in any way. Use a post card or
clip out the coupon. We will also send particulars of the 1912 Cash Prize Contest. Address :

## Canada Cement Company LIMITED

Farmers' Information Bureau 550 Herald Bldg. MONTREAL, QUE.

OCTOBER 31, 1912
QUESTIONS AND ANSWERS Veterinary.

ENLARGED GLANDS. Shire horse has a lump the size of an
elongated ogg just behind the jaw, above windpipe. Another horse has the same, only smaller.
Ans.-These are enlarged glands, probably resulting as a sequel to influenza or distemper: Get an ointment made of potassium, mixed with two ounces or poliass, and rub a little well into the
vasollen glands once daily. Have patience, as reduction will be slow.
Mare rising four years old is unthrifty. She is in poor condition, with
dry hair, and will eat her own droppings.
Ans.-This is chronic indigestion. Purge her with 8 drams aloes and 2 drams
ginger, and follow up with 1 dram each 0 of ginger, gentian, and nux vomica, amined, and if there be any unshed
molar crowns, have them removed. Feed on food of first-class quality, and give regular exercise.

Miscellaneous.
FEEDING HENS Having just started in poultry-raising,
should very much like to know what I should very much like to know what amount of feed and also in winter. I
day in summer, and
know that to produce winter eggs, the feed should be somewhat heavier, but
should like to know the correct amount. Ans.-Getting right down to à correct Ans.-Getting right down to a correct
amount, that is, an exact weight, is not easy. One must know the breed of
hens kept, as the lighter, non - sitting he general - purpose or heavier breeds. Then there is something in the pen, and
in the number of egge laid which must In the number of egge laid which must be considered. A good method in win-
ter feeding is to keep a feed hopper full of rolled oats where the hens have access to it at all times. Give them
all the sour milk they will drink, and leed them mixed grain whole, from a
trough, all they will eat, just befor trough, all they will eat, just before
they go to roost at night, scattering their morning feed, just what they will eat, in the litter co nige before, an
covering it up to give the hens exercise Feed green feed-roots, cabbages, boiled
Fean it
The amounts grain differ. You will soon be able to
gauge the feed correctly. For summer geding, give sour milk to drink, and
scatter whole grain in the litter morn ing and evening. Wheat, barley, and each, or buckwheat may be added or splenty of grit in winter. The average hen consumes about 60 to 70 lbs. of grain per year, which means about three
ounces daily if equally divided for the ounces daily if equally divided lor moure
entire year. Doubtless a little more
than this would be required in winter, and little less in summer if the hens had LYMPHANGITIS, SCRATCHES, 1. I have a horse with a slight touch any.
2. He also has a severe case of scratches. Give me a remedy. Whe
I drive him the swelling goes down... 3. He carries his tail to one side. Is
there any way of preventing it? Can it be done by docking tail?
4. What is good to put a run-down horse in condition?
Ans. -1 . Give a brisk purgative of 8
drams Barbadoes aloes and drams Barbadoes aloes and 2 drams
ginger, followed by 2 drams nitrate of potash, three times daily for a week.
Bathe the leg several times daily with hot water, and after bathing rub well
with camphorated liniment. Give regular exercise, and feed lightly on grain.
Give only good hay. The disease is caused by over-feeding during idleness.
2. The leg is described as being badly whlen. It is quite likely the trouse

With beefy legs are predisposed to this
disease, but it may occur in any horse
Purging, as recommended in question Purging, as recommended in question 1
will help. If the leg is raw, dress the will help. If the leg is raw, dress t
raw surface once daily with butter
antimony, applied with a raw surface once daily with butter
antimony, applied with a feather,
three applications. Then poultice three applications. Then poultice two days and nights with linseed mea
and a little powdered charcoal warm, and changed every four or fiv hours. Then dress twice or three time
daily with a solution of corrosive daily with a solution of corrosive sul8. This is not a bad fault. Man horses do it when working. Docking
might improve matters, but would nio dock on this aecount alone.
4. See that his teeth are in good cordition. Take 6 ounces each sulphate
of iron, gentian, ginger, nux vomica, and bicarbonate of soda. Mix and make into 48 powders. Give him a purgative
of 8 drams aloes and 2 drams ginger.
Feed bran only -until purgation come Feed bran only until purgation com-
mences, After the bowels regain their normal condition, give him a powder every night and morning.

Loss by Forest Fipes. "Forest fires in the United States have
caused an average annual loss of about
70 human lives the worth at the very least $\$ 25,000,000$, and the loss of stock, crops, buildings, and other improvements to the amount of many millions more. To these must be added enormous losses from the de
struction of young tree growth, deterion ation of the sion, damage to water
courses and adjacent property by low courses and adjacent property by low
water and flood, interruption of busiwater and Hood, interruption of busi-
ness, and depreciation of property. By
inquiry into the causes and extent of inquiry into the causes and extent o
such fires, we are able to realize in some degree the magnitude of their losses, lars may not be apparent." ${ }^{\text {- }}$-Bulletin 117 of the U. S. Forest Service.

## GOSSIP.

IMPORTANT SALE OF SHORTHORNS. J. M. Gardhouse, of Weston, Ont., has herd of A. Edward Meyer, Guelph. This is a very cholce herd, both in breeding amilies as Village Blossoms, Clippers, Mysies, Bessies, Minas, Lovelys, Roan Ladys, Missies, Augustas, Mayllowers, and others. The stock bull, soctish
Hero (imp.) $\quad=55042=$ (90065), goes with the herd. He has undoubtedly proved himself ohe of the best getters in Canada. Mr. Gardhouse has displayed his usual enterprise and pluck in trans-
ferring this herd from Guelph to Weston.
J. B. Hogate, West Toronto, Ont., the weli- and widely-known importer of highclass Percherons and. Clydesdales, whose barns are at Weston, having sold nearlymer, intimates in his new advertisement in this issue, that he has arranged to month, France the last wek in the mhipment about December 1st, and to exhibit at the Winter Fair at Guelph, a class of horses which will be up to the
standard of his former importations, standar
better.
A certain bishop, an ardent advocate of teetotalism, found one of his dock, to
whom he had preached for years, leaning in helpless drunkenness against wall. "Wilkins "." eried the bishop, in "Wilkins !" eried the bishop, inex
pressibly shocked. "Oh, wilkins ! You in this statt ! ! I am sorry-I am sorry As the bishop was passing by on the other side, Wilkins pulled himser
gether, and hiccuped after him: gether, and hiccuped arter him
"Bishop-Bishop!"
The bishop hastened back in the hop of hearing a resolution of repentance.
'"Bishop, if you are really sorry, I forgive you !" House-owner-"'You didn't pay the ren Tenant-"No. Well, I suppose you'll
hold hold me to your agreement?"
Owner-""Agreement-what agreement?" 1 Tenant-

He Bought Her a 1900 Washer ONE OF OUR READERS TEILS HOW MER HUSBAND LEARMEI
What Washday Means to a Woman


Fairbanks Scales for Accurate Weighing
W ${ }^{\text {HEN }}$ you weigh on a Fairbanks Scale you have that sense of security aPerfict mane them last a Hifetime (Perfect material and simple construction make them last a lifetime. We still weighing with accuracy
(OUu Catalog No. 2 X 253 fully
The Canadian Fairbanias Moree Con Limited.

 HARRY SMITH; Hay P.O., Out. Exeter Sta. L $\rightarrow$ 'Pheme. 3tallions - CLYDESDALES - Fillies have a big importation of Clyde stallions and fillea Juat landed; a lot that cannot be
uuplicated to-day in Scotland, and never was in canada. Let me tiow your wantit ROBT. BEITH, Bowmanville, Ont.

Sty Shire Stallions and Mares, Shorthorn Cattle (both
exes); also Hampshire Swine. Prices reasonable.
PORTER BROS., APPLEBY, ONT., Burlington Station. 'Phone.

Clydesdales and Percherons sim givisw reality an well as in name Highest types or the breed.
and prices
to mitic When Writing Advertisers, Please Mention "The Farmer's Advocate"


Your Stallion is Worth Insuring Against Death
 Wo Ho Policen covering in rikk. an anh or 30 daye at very low premiums. Prospectus Free on Domant Coneral Anlmals Insurance Hend ormee, jus of Canada

108 Yark st, ottawa


## DR. PAEE'S ENGLISH SPAVII CURE



and


J. A. Johnston \& Ce., Druggiatt,
ation King Sto B.
TORONTO, ONT.


QUESTIOHS AND ANSWERS Veterinary

COLT WITH COUGH Colt is now $4 \frac{1}{2}$ months old. When week otd it commenced to cough an
discharge from the nostrils. I expecte it would get better during the summe but it has not improved, and it is no
thriving well.
B. T. thriving well.
Ans.-Keep in
cept on fine days.
comfortable stable, ex
Get a liniment cept on fine days. Get a liniment mad
of equal parts of oil of turpentine, raw
linseed linsed oil, and liquor of ammonia. Ru
the throat twice daily with this until it the throat twice daily with this until it
commences to blister, fhen apply vase commences to blister, then apply vase
line daily. Give it 10 grains chlorat of potassium, and 5 grains quinine twice daily, either in a little water a a drench, or mixed with Mare was bred on May 20th. She was fed on musty hay for a few days
but with this exception her feed was good quality. She aborted Octobe
12th. Would it be wise to bree 12th. Would it be wise to breed he
again this fall, or wait until spring again this fall, or wait until spring
Will she be liable to abort again?
J. J. McL.
Ans.-The musty hay may have cause the trouble, or it may have been due to
some unknown accident. It will some unknown accident. It will be wis
to breed her again in a couple o months, or even less. Any mare i liable to abort, and especially one tha
has already aborted. At the same time has already aborted. At the same time
it is probable she will carry to full term it is probable she will carry to full tern
unless she meets with an accident.

LUMPS ON LEGS.

1. Horse has a hard lump on the in He goes lame when he trot. 2. He has another swelling on hin
fetlock joint which fetlock joint which does not cause lame
ness. Ans.-1 and 2. Get a blister made 2 drams each of biniodide of mercury an cantharides, mixed with 2 ounces vase line. Clip the hair ofi the parts. Tie so that he cannot bite them. Rub wel
with the blister once daily for two days on the third day apply sweet oill and let his head down. Oil every day until the hair has grown again. Repeat the
blister every month until lameness disappears. It may be that the lump cannot be reduced.

## ECZEMA.

nearly - year - old colt has broken out nearly all over his body. He is very
itchy, especially when warmed up.
$H$ tosses his head, runs sideways, etc., when
in harness. When loose, he rubs agains in harness. When loose, he rubs against
buildings, ett. He is so bad I am no able to work him.
Ans.-Clip him, and give the whole
body a thorough washing with a of the drug corrosive sublimate, 1 dram of the drug to a gallon of warm water.
After washing, rub well until dry. Then wash every" second day until itchines
ceases with a creolin, that is 1 per-cent. solution of the drug to 2-t parts of warm water. In the mean-
time give him 1 ounce Fowler's Solu-
tion of Ars 1 . days.

INDIGESTION
Horse shows the following symptoms lies down, rolls, gets up, paws, lies dow again, elc. The attacks last about a
hour. His hin is 11 years old. legs are swollen. Ans.-These frequent attacks of. indi-
gestion are due to a weakkness gestin and glands, or poorly - masticated food, or both. Have his teeth dressed
Purge him with 8 drams aloes and
drams ginger. Mix equal parts af drams ginger. Mix equal parts of su
phate of iron, gentian, ginger, and nu vomica,
three tim time and often.
proves incruy
 (Stallions and Mares) $\left[\begin{array}{c}\mathrm{HA} \\ 0 \\ \mathrm{l}\end{array}\right.$ HAVE sold nearly all I brought
over this ver this summer, and am
leaving for France the 22nd of Percherons, stallions and mares, They will arrive at my barn,
Weston, Ontario, about Dec. 1st. Will have an exhibit at Guelph Fat
Stock Show. Price will be in reach Stock Show. Price will be in reach
of everyone that wants a good stallion or a big brood mare, and terms to suit. Write for particulars, or
better come. No trouble to sho what I have. Visitors always wel-
come. Address:
J. B. HOGATE West Toronto, Ontario


IMP. CLYDESDALES AND PERCHERONS.
I have 65 head of Clydesdales and Percherons in my barns to choose I have 65 head of Clydesdales and Percherons in my barns to choose
from, a great many of them are prizewinners in Canada, Scotland and France, and other extra show horses that have not yet been
shown. I have never had so many good horses at one time before. shown. I have never had so many good horses at one time before.
Intending purchasers would do well to see through my barns before Intending purchasers would do well to see through my barns before
buying. My horses are all for sale and at right prices. MARKHAM P. O., G. T. R., and LOCUST HILL, G. P. R., three miles. T. H. HASSARD

Union Stock , Yards of Toronto, Ltd.

## HORSE DEPARTMENT

Amotion Sale Every Wednesday Private Sales Every Day Railroad Loading Facilities at Barn Door
V. W. BOTHIERLLAND,
J. H. ASHCRAFNT, JR

In Office.
Manager.

$\begin{array}{r}1 \\ \hline\end{array}$
Just Arrived-Clydesdale Stallions and Fillies Bigger and better than ever before is our 1912 importation just arrived Stallions with
size. character, quality and breeding. Fillies of high-class breeding and quality tor show
 PERCHERON 8 TALLIONS $\mathbf{S}^{- \text {Our }} 1912$ importation of Percheron, stallions supply the trade for ideal draft character. . íshy quality ot
less moving. Let us know your wants. Any terms arranged

EAID \& PORTER, SImcoe, Ontario.

BA tew choice young stallinn A tew choice young stallions always on hand and for sale. Frequent importations maion
tain a high standard. BARBER BROS.. Gatineau Pt..Que.. mear ottawa.
ORMSBY GRANGE STOGK FARM, ORMSTOWN, P. QUE They were personally selected and well bought, and are offered along with hive very pink of of ondition,
homesebred on hand and dear, besides, expenses and freight are increasing. If you want D. McEACHRAN.
good breeding mares, don't miss this lot. MT. VICTURIA STr:CK FARM, Hudson Heights, P, 0 We have some very choice young stock for sale, both sexes. Clydesdales and Hacknoy T. B. MAGAUL.AY, Prop.

E, WATSON, Mgr

1QUALITY AND SIZE IN
CLYDE the best the breed produces in the combination'ol JAMES TORRANGE, MARKHAM, Pi. O. and Sta., G. T. R.

Orchard--Grove Herefords $\begin{aligned} & \text { I have lately made a big importation of } \\ & \text { Bulls, Heifers and }\end{aligned}$ the leading herds of Illinois. In my herd you now have 25 Bulls sto select from; $a$ big
range of Heifers and Cows. High-class show and breeding stock $a$ specialty. G. Clifford, Oshawa, Ontario, G.T.R. and G.N.R.

Scotćt Mortluorns $\begin{gathered}\text { FOR SsLLE, One pronising } 12 \text { months Impor } \\ \text { ted Bull Calf, a Marr. Flora, recently Imported }\end{gathered}$


## NOTICE

## Commiss

## OAKLA


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## Hath



## Short

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OCTOBER 31, 1912
THE FARMER'S ADVOCATE
1909

## STUMP EXTRAGTOR

If ycu are troubled with stumps, give our "Patent Samson Stump Extrac-
tor"; a trial. It has now been in use in tor"' a trial. It has now been in use in Europe for the past three years with the greatest sucless. the work of three men and a horse. It can also be used for felling trees.

Werte us mor Detais
The Canadian Boving Co., Ltd.
164 Bay Street, TORONTO
NOTIGE TO HORSE IMPORTERS GERALD POWELL, Commission Agent and Interpreter,
NOGENT LE ROTROU, FRANGE NOGENT LE ROTROU, FRANGE Whil meet importers at any port in France or
Beligum, and assist them to buy Percherons, Bel.
simas, French Coach horses. All information about


Messrs. Hickman \& Scruby COURT LODGE, bGRRTON, KENT, ENG. Live Stock of all Descriptions


 Weiter Hisill, Weshington, Ont 1854 Maple Lodge Stock Farm 1912


 OAKLAND 50 SHORTHORNS


 SPRING VALLEY SHORTHORNS

 KYLe BROS. "Tho Manor" Scotch Shorihusns 0

 J. T. GIBSON, DENFIELD, ONTARIO Filetcher's Shorthorms Our herd od

 Cholce young stock for sale GEO. FLETCHER, R.R. No. 2, Erin, Ont. $\frac{\text { GRO. D. FLETGHER, R.R. No. 2, Erin, Ont. }}{\text { Shorthorns }}$ arge cows with calves by side er choicest breeding | Stewart M. GRAHAM, Port Perry,Ont. |
| :--- | Shorthorns and Swino-Am nowo offering

 showyard mater isl ISRAEL GROFF, Elmira, Ont.
"What does this mean, Bridget?" ex-
claimed the lady of the house, returning trom shopping. "The telephone's been "Sure, ma'am, the girl cross the way
came over and said her missus would like to use it for a little while, and I
sint it over to her; but $I$ had a terrible
jon totin' jol, gettin' it unscrewed from the wall

Beil-"That man over there is staring
straight at my nose." Xell-"Probably he's a reporter." Bell-"And why should a reporter stare
"my nose?"
Nel-"They are supposed to keep their
gossip.
Fairview herd of Berkshires, adver
tised in this issue, the property of $J$. Cowan, Donegal, Perth County, Ont., is
still to the front, headed by the un still to the front, headed by the un-
beaten boar, Cherry Lane Dick, winner
of the beaten boar, Cherry Lane Dick, winner
of the championship over all ages at the
Canadian National in 1911 and described as of big size, and lengthy,
weighing weighing over 800 lbs., and of ideal
bacon type, as also are the bacon type, as also are the breeding
sows. For sale, at present, are boars
seven. seven. months old, also a few young
sows, and pigs from eight weeks
Mr Mr. Cowan reports the present year the
best in business he he "The Farmer's Advocate" credit for be
" ing the best advertising medium.
The United States Departiment of Agri-
culture will soon issue culture will soon issue an interesting
publication entitled, " Some Types publication entitled, "Some Types of
Children's Garden Work" in the Public
Schools of the larger cities, from Pitts Schools of the larger cities, from Pitts-
burg to the Pacific Coast. The bulletin is number 252, Office of Experiment Sta-
tion. The introduction says. "School-garden work has b general within the past five years, and literature relative to the same so abun-
dant, that facts of the nature furnishe in earlier reports would be superituous viz., what to plant, the distance apart of the rows, and of the seeds in the
rows, and like detailed information Teachers need now to view the garden from a higher plane-its relation to development, its, its effect upon character
in the curriculum, and its relation to other subjects in the
course of study. this report, such facts have taken a iaore prominent place than the ones that may be obtained from text-books.
The individual - plot system, and the young gardener -plot syster of all he raises,
is is the system, in vogue east of the Rockies. West of the Rockies, almost
invariably the commercial side holds a place of importance equal with the cultivation, but the products are sold for the
benefit of the school. Children are taught business mothods through the sale. The system of teaching agricullocal practice, and is one that children can follow intelligently, but the products
are always the property of the school. "Nowhere is there systematized garden In a majority of places it is still a matter of choice with the principals. Until the necessity of a specialized instrustor
is felt, the work will not be system atized. The educational value of garden instruction is too great to gllow it to be a matter of choice with the teachers. There seems to be a fear among
educators in offcial positions of burdening teachers and the course of study with new subjects. "As our modes of living improve, the "As our modes of living improve, the
demand comes to the schools for practical methods dealing with the question
of right living. It is safe to predict that popular demand will cause the. remlacement of somb of our antiquated science lessons that will teach peo
how to lead more wholesome lives."

TRADE TOPIC
A Greener gun is a gilt-edged invest-
ment. Not only do you derive life-long ment. Not only do you derive life-long
pleasure from the use of the world's best gun, but you have the satisfaction
of knowing that future generations may pending a cent for repairs. Cheap
guns are, in the long run, dear guns, as you may easily double their cost in re-
pairs, apart from which you much pre er to own the best. The Greener gre has an experience of over 100 years,
Each gun is constructed separately, in a said no other gun can equal it for hard hitting and far shooting. The advertise
ment of this well-known firm appeared in our issue of October 24th, and will ap-
pear again November 28th. Look it up Write W. W. Greener, Gun, Rifle, and
Cartridge-maker, St. Mary's Square Birmingham, England.

Mary had a little lamb, She bought the critter cheap In five years she owned a farm,
Just through raising sheep.
-Shepherd's Journal.


One Man and a Boy Do the Work of Four Good Men

One man and a boy (to carry milk and assist) milk 100 cows in two hours with a Sharples Mechanical Milker. Just think of what that means. Think of the relief from the long
hours of awful drudgery twice a day. Think of the freedom from. hours of awnul drudgery twice a day, Think of the freedom from. wontry per cow each year-you can make with a Sharples Milker. Think of the per cow each year-you can make with a Sharples Milker. Think of the
opportunity you have of doubling your herd, thus more than doubling your dairy profits without increasing the labor expense a cent.
These are but a few of the many advantages of
The Sharples Mechanical Milker
The onerecognized successful milker on the market today. Used in the world's


"The. Patented Teat Cup With the Upmard Squeeze" Instead of continually drawing the blood down wih the milk Eis ordiniry






The National Stock Food Compainy Gzntlemen:- I am so pleased to write you with reference
to a very bad colic case I had. Although the horae wai almost dead and hopeless 1 drenched him with two bottlei of your "ANTL-COLLG"; he made a fine and quick re covery. Ye obtained as good results as this one with any or
your other preparations 1 used. Yours truly, 0 . Yelle.



Present Special Offering ${ }^{20}$ Hith Clian Sotel Shorthon Hetern

 ARTHUR J. HOWDEN \& CO.


AHORTMORNE
Have now a choice lot of young bulls to.ofter ; alao with
something nice in heifers. Catalogue of herd and something nice in heifers. Catalogue of herd
list of young animals on application.
H. CARGIL \& SON, Propiletore, Cargili, Ont, Bruce Co


I Have SHORTHORIV Bulls and Meifers, SHROPSHIRE and COTSWOLD Rams and Ewes, CLYDESDALE Fillies and Colts
 aforitio buy mitout ROBERT MILLER, STOUFFVILLE, ONTARIO
 Burligston Jct. sta, G. T. R. W. G. Petitit \& sons, rreeman, ont. 1861 Invine-Side Shomthorns 1812
 John Watt \&. Son, Salem P. O., Ont. Elora Statlom, G. T. and C. P. R. SALEM SHORTHORNS


## "Clay Gates"



Selected by Men Who Know CLAY Steel Farm Gates are in College, Guelph, Macdonald Col
Gue
lege, ouebec; Experimental Farm, Ottawa, and on the farms of nearly all the leading,
atock and dairy farmers of Otario and
Kastern Canda because they are THE BEST FARM GATES



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MMorrie St., Guelph, Ont.

CHITRIMBNNK AYRSHIRES


TYRSHIRFS FOR SALE Sorwe bullo and a tow heitern of different ageo, arrod


STOCKWOOD AYRSHIRES-This herd is now
headed by White YHil Free Trader (imp.). No. 33273 ,
 1st-prize aged herd. All ages for sale. Satisfaction
Eauranted. D. M. Watt, St. Louls Station, Que.
Telephone in house.
"Would you mind making a noise like a frog, uncle ?" said the uncle, with an
"And why," "ased smile, "why, Tommy, do you deamused smile, "why, Tommy, do you de-
sire me to make a noise like a ftog ?"
"Recause" replied the urchin "when"Because," replied the urchin, "whenever I ask daddy to buy me anything,
he always says: 'Wait till your uncle

GOSSIP.
A short call by "The Farmer's Advo
cate" representative, at Sprucedale Farm
a little west of St. Thomas, Ont., owned
$\begin{aligned} & \text { by A. Watson \& Sons, found their herr } \\ & \text { of thirty-five Holsteins in nice condition }\end{aligned}$
$\begin{aligned} & \text { or chirty-ive Holsteins in nice condition } \\ & \text { and paying profitable dividends, As an }\end{aligned}$
Indication of the quality of the Hol-
steins that are the backbone of this
$\begin{aligned} & \text { herd. it is only necessary to say that } \\ & \text { last year, the only time exhibited, out }\end{aligned}$
$\begin{aligned} & \text { of tweive entries, they were awarded ten } \\ & \text { firsls and two seconds, and the stock }\end{aligned}$
$\begin{aligned} & \text { frrsts and two seconds, and the stock } \\ & \text { bull, King Pater Teake, has been exhi- }\end{aligned}$
$\begin{aligned} & \text { buli, King Peter Teake, has been exhi- } \\ & \text { bited three times, and won three firsts. }\end{aligned}$
Parties looking for bargains in Hol-
$\begin{aligned} & \text { stein females should visit this herd. } \\ & \text { With thirty-five head to select from, and }\end{aligned}$
$\begin{aligned} & \text { With thirty-five head to select from, and } \\ & \text { over a dozen yearling heifers among }\end{aligned}$
them, they present an alluring proposi-
tion, especially when the price asked is
$\begin{aligned} & \text { taken into consideration. Mr. Watson } \\ & \text { is also offering a number of young York- }\end{aligned}$
$\begin{aligned} & \text { is also offering a number of young York- } \\ & \text { shire sows, along about five months oi }\end{aligned}$
age, thát look like attractive buying.
Write him your wants.
$\begin{aligned} & \text { HOLSTEINS, TAMWORTHS, AND } \\ & \text { COTSWOLDS. }\end{aligned}$
R. O. Morrow \& Son, of Hilton, Ont., four miles north of Brighton Station,
G. T. R. and C. N. O., whose advertisement has been running regularly in these columns for many years, and whose re liability has been proven by as many
years' dealing with Canadian breeders all over the country, as well as across the lines, and as far away as South Africa, are still doing business at the old larly favorable position to supply the trade in their lines of pure-bred stockbreeding, with as nice a lot of young things as ever graced the stables and
pastured off this noted farm. The Holstein herd is now fifty strong, and contains many very choice animals whose ability to produce the gold-making ma-
terial is of large calibre. Although no terial is or large calibre. Although no
offcial testing has bên done, in private tests there are three-year-olds that have produced 10,000 liss. in eight months,
and many of the mature cows are good and many of the mature cows are good
for over 70 lbs. a day, and heifers 50 libs. a day, on pasture alone, and twice-a-day milking. As a show herd, in
local competition, which is_always strong in that section, they have always been they won the T. Eaton Co.'s special for best dairy herd of any breed, and this
year at the same show, the Robert year at the same show, the Robert
Simpson Co.'s special for same class. In service at the head of the herd is bull, Riverside Johanna Waycessul - breeding Sir Pietert tje Posch De Boer, whose dam
and sire's dam have records that average over 25 ju liave. and his dam and grandam have records that average 19
lbs. Sired by him, and out of big-producing and show-ring cows, for sale, are
dut about fifteen heifers cows, for sale, are
alluring are a most Horstein heifers. The herd is too large, and must be reduced. Nothing need be
said as to the quality of the TamWorths, their many years' successful com-
petition at the leading shows, including Toronto and Ottawa, place them among
the best in the country Several dozen or more sows in breeding are
daughters and granddaughters of such boars as Imp. Knowle King David, and
out of Imp. Cholderton May and her out of Imp. Cholderton May and her
daughters, which is an infusion of new daughters, which is an infusion of nam-
blood, badly needed in Canadian Tamworths. For sale, are young things of both sexes and any desired age. In the
last year Mr. Morrow has shipped last year Mr. Morrow has shipped Tam-
worths all over the country, and as far worths all over the country, and as far
away as South Africa. In Cotswelds,
for sale, are about twenty lambs of
both sexes, both sexes, that are well grown and
well covered. Write Mr. Morrow your
wints. "I tell you I won't have this room,",
protested the old lady to the bellboy who was conducting her. "I ain"
a-goin" to pay my good money for pigsty with a measly yittle foldin'-bed in
it. If you think that jest because $\mathrm{I}^{\prime} \mathrm{m}$ Prom the country--
Profoundly disgusted, the boy cut her "Get
"This a
vator."


## Give Your Stove the

"Frying Test"
PROBABLY you think frying such a simple form of cooking that all stoves should be equal in this espect. That is just where you are mistaken. The "frying test" proves conclusively a stove's real worth to you
Frying with the "Happy Thought" shows you this. A small fire does more and better work than a big fire does in other stovesgives you more heat, right at the lid opening. Besides, the the very maximum of heat that the fre an produce-just where ou want it When you replace the lid the heat goes straight to the oven and concentrates there with all its intensity.

No other stove is designed to do this so effectually. That is one reason why the "Happy Thought" has a superior value for you.
HAPPY THOUGHT RANGES,
Are sold in your locality. THE WILLIAM BUCK STOVE CO, LIMITED, BRANTFORD, ONT.

 THE MOLASSINE CO., LIMITTED, LONDON Dive THE MOLASSINE CO., LMMTTED, LONDON, ENGLAND


OCTOBER 31, 1912
THE FARMER'S ADVOCATE
1911

The Maples Holstein Herd

 WALBURN RIVERS rolden.
Maple Grove Holsteins Hert ho a dod Hongervelh whoos 17 nowar fums by king Lyoue
 BALAPHORENE A. J. C. C. JERSEYS
 JOSBPH \& ABROOK, HAVELOCR, ONT. FOR SALE-Two thoroughbred Jerexey bullsg Chara minto isoo. Theoco that was ahown with $\frac{\text { her Rice, Casasel, Ont. }}{\text { heth of about eighteen was walking }}$ along the promenade leading to the pier, when all of a sudden he slipped and fell
swim, he shouted at the top of his voice: "Help, help! I can't swim !" An old
gentleman standing close by remarked: gentleman standing close by remarked
"Now's your time to learn, youag fel-

## SUFFERED WITH

LAME BACK
was mot able to stralcuten up

## -

Mr. 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. had used different kinds of pills, plasters, uniments and medicines, without any relief. One day there was a B.B.B. book left at our door, and I read about Doan's Cidney Pills, and I decided to try them. Before I had half a box used I felt a great
deal better, and by the time I had used two boxes I was cured. I have no hesitathon in recommending Doan's Kidney Plils to all suffering as I did, or from any
illness arising from diseased kidneya. lllness arising from diseased kidney:. Price 50 cents per box, or 3 bozes for
31.25 , at all dealers, or will be mailed Mirect on receipt of price by The T.
Milburn Co., Limited, Toronto, Ont. When ordering direct, specify "Doen'm"

QUESTIONS AND ANSWERS. Miscellaneous

TREES FROM SPROUTS - ANTS ON TREES-SPRAYING POTA-
TOES-SEEDING ALFALA TOES-SEEDING ALFALFA 1. Hove AND ALSIKE were badly injured last summer which were bady injured last summer with sun-
scald, and this season they sporouted nicaly just below the injury. Would you advise letting the young sprouts grow, or replant with new trees? When would you advise cutting off the old trunk, and how close to the green wood
2. Young trees are badly infested with
ants and spiders.
The leaves curl making a covering for them, und the
spiders make nesto spiders make nestso in them. What can
I do to rid the trees of them? 3. I sprayed my potatoos three times,
at intervaly of from two to three weeks, beginning about the middle of July, with the Boraeaux mixture, and find, on dig-
ging them, quite a number ging them, quite a number are black on
sides and ends, as in in ineected with blight.

We | What was wrong that the spraying did |
| :--- |
| not prevent the . blight pid $\begin{array}{l}\text { Did } \\ \text { not }\end{array}$ | spray soon, enough, or often enough?

also put in onehalf pound Paris green for potato beetle, but didid't kill a bug.
Sprayer holds twenty gallons.
How
How Sprayer holds twenty gallons. How
much poison would it take in the twenty much poison would it take in the twenty
gallons to kill the bugs ? gallons to kill the bugs ?
4. Have a young maado
timothy, red clover, and about one-third allalifa, and I would like to have it all
seeded to alfallaa when the red clover dies. Would you advise sowing more
seed this fall late, or oerly next spring seed would it be better to wait until next
orell
fell ? Would the red clover have a tentall? ? Would the red clover have a ten-
dency to kill dency to
summer ?
$\substack{\text { summer ? } \\ 5 \text { How much alsike clover would you } \\ \text { advise }}$ advise sowing with timothy? D. F. Ans. 1. Sometimes sprouts growing
from the root of a tree which has sucgrow rapidly and mako very satistactory grow. Much depends upon their loca tion and their growth as to whether
is better to leave them or realant is usually safer to replant the tree, the sprouts may originato below the
 to be ueleas. Examine tham to be left is above the graft, and it is very healthy end growing well, it might be loft. cut
the dead tree away close to where the sprout appears, and paint over the cut
gurrace to keep out water. sprout only. Good, thritty, young trees
aro much more satistactory than poor, sickly sprouts.
2. It is not likely that the ants are directly responsible for the curling of
the leaves.
This
is likely
due aphids, or plant lice, with which ant
have a peculiar relationhhip have a peculiar relationship. Many bo-
lieve the ants do harm on the trees, but such is not the case. The ante Rollow
the aphids because they are fery fond by the plant- lice, and some kind ante are seen running on the trees, at
search should be made for their nest, search is likely to be found in the
which is lice ground is cound, pour one or two thble-
nest is spoonfuls of carbon bisulphide into
and close the opening.
The fumes and close the opening. The fumes
iiquid will quickly penetrate all parts
 the ants. Care must be taken that no
light is brough near the material, a it is very inflammable. Large an
nests at the roots of a young tree ma matan so injure the tree as to cause its death by causing the land to dry out. Th spiders do no particular harm.
3. This has been a very wet summer
and one in which hlight has bean very
prevalent. Spraying should commen

| prevatent. $\begin{array}{c}\text { Spraying } \\ \text { when thould commenc } \\ \text { whants are } \\ \text { about five inche }\end{array}$ |
| :--- |

high, and in a summer like the pas
more than three sprayings are necessar
mork keep the plants fairly well coverere
with the Bordeaux. Thres. neeks way
too long to leave them without sprajing, and there is a possibility that yo did not commence
more trequent the ran tha the ortene
suraving is necessary. The best guid spraying is necessary. The best guide
is to watch the plants, and as soon as

## OIL CAKE MEAL

J. \& J. LIVINGSTON BRAND Put Up in 100 -pound Bags improves the stock in every way. FEED WITH YOUR SILAGE OR ROOTS. If your dealer cannot supply you, write us :

THE DOMIMION LIMSEED OIL CO., LIMTIED<br>manufacturers,<br>BADEN, ONTARIO,




Write for our PRICE LISTS. Your shipmenta Sollcted. Prompt Returne. E. T. GARTER \& CO., 84 FRONT ST., E., TORONTO, CAN.
 Jerseys B. H. BULL \& SON, Brampton, Ont.

## Avondale Holstein Cattle

AND DORSET HORNED SHEEP.
 H.LORNB LOGAN, MANIGIR. A. C. Hardy, Brockvilte, Onit.

## King Segis Walker The hither podimed are necord of dem <br> .

 A. A. FAREWELL, OSHAWA, ONTARIO Lakeview Holsteins

 FARYIE FARM'SHER OFFERS sons of Pontiac Korndyle daughters that have made 7 -day records above 30 pounds bobll that ever sired 1 cows as Pontiac pounds each. Do you mant your
 and eight others above 30 pounds? If you do, write me for price on a son or Colantha Gladi. E. H. DOLLAR, HEUVELTON, NEW YORE. Near Prescote Silver Creek Holsteins We are now offering about a doesen yshere
 SUMMER HILL HOLSTEIN CATTLE and YORKSHIRE HOGS




 A. Watson \& Sons, R. R. No. 1, St. Thomas, Ont. Lo-D. 'Phone. SPRING BROOK HOLSTEINS
and TAMWORTH SWINE
and TAMWORTH SWINE




Aolsteins and Yorkshire Yorkshires of highest type and quality
R. HONEY \& SONS, BRICKLEY, ONT

Pritorman Hoo com vithout invouing a oot
MONRO \& LawLess, "Elimdale Farm" Thorole, Ontario


Farmham Oxfords and liampshires FLOCK ESTABLISHED IN 1881 Present offering: A lot of first-class ran pion rams. Also a number of yearling and older. ewes and ewe lambs of both Hiant Arkell \& Son, Ar

Southdown Sheep


 robt. mofyen, Allowy Loate stoek Farm Gattio and 8hoop Labols ?
 Oxford Downs-chioic reg ram and also a few yearting rams and ewes at close prices.
W. A. BRYANT, Cairngorm, Ont.
SHROPSHIRES
 Manlewood Oxtords shindman
 SPRIG ANK OXFORD DOWNS

 SHROPSHIRES Por Salo- Regitered

 IEICESTERS POR SAIE Ram and dive
 ale. Grout: Croek Parm, Luctrow, ont
Lange White Yorkshimes
 thack, trom the best British perded, Writite or cail oni H. J. Davis, Woodstock, Ont C. P. R. and G. T. R. Long-ditance, phone "Johnny has begun to develop all the Papa-'"Why do you think so Mapma-"When I made him wash his neck to-day, he said he was glad h
wasn't a giraffe."

Policeman-"Knocked duwn by a motor car, were you? Did you take the num-Victim-"No. It was going too fast.,
Policeman-"Could you swear Policeman-"C
driver ?" Victim-"I did.

## She Had Such <br> Beautiful Hands <br> that it was perfectly evident that she used SN P original hand cleaner, to tecleaner, to re movethe rim of housework of houseworl Hand cleaners by any othe by any othe name do $n$ smell as sweet Avoid ran and Avoidrank imititanions, an remember th

SNAP

 done thoroughly, One-half pound of
pure Paris green is certainly suffcient to twenty gallons water, but it must be thoroughly mixed. Poorly-mixed sprays
are ineffective. One-quarter of a pound are ineflective. One-quarter of a pound
would be enough with all conditions right. Then a fine nozzle is necessary. A. course spray may cause the liquid to run on the leaves and drip, and when such is the case the poison is washed
away. The work must, be thoroughly done or it is ineffective.
4. Take the crop of red clover, tim-
othyy, and alfalla, off next summer, and
plow the ail othy, and alfalfa, off next summer, and
plow the field and work it well, and seed to alfalfa the following spring, either with a nurse crop or alone. It
would be a waste of seed to some alfole would be a waste of seed to sow alfalfa
now, or with the present mixture. Al now, or with the present mixturf. Al-
falla, soil must be clean and free from grass. Clean the field, first, then sow gras.
the sed.
5. About. ficient where timothy and red clover
lorm the greater portion of the seeding

QUESTIONS AND ANSWERS.
Miscellaneous.
EVENING PRIMROSE.
I am sending a weed, the name of which I do not know ? H. T. Ande ( occurring in clover fields and meadows, Where only a few plants are present, they should be spudded out or pulled Where the field is badly infested, the plants should be destroyed by plowing, followed by
cultivation.
FEEDING POTATOES AND
PUMPKINS TO PIGS.
I have a few pigs about 100 lbs., and
have buttermilk for them, and have pumpkins, also potatoes which have the
rot, but are very solid, not having eached the stage of soft rot. I have
boiler, and can boil them up for the

1. Would potatoes of that nature be good to bor for thegs? 2. Would pumpkins and potatoes
mixed with shorts, and boiled, be good
and or them, and mix a little buttermilk 3. My pigs have developed a cough. have been feeding them a little butter to give them? They have been runing out on grass all summer. Ansestibility of many of the stock foods produced on the farm, but potatoes for hogs is an exception. Four hundred
pounds of boiled potatoes have been
found equal to 100 pounds of mixed found equal to 100 pounds of mixed
grains for pigs.
We would try these potatoes boiled for the pigs, provided
they they have, not a bitter rot, which might
prove very unpalatable to the pigs. Try trove very unpalatable to the pigs. Try
them on a small quantity at first. and
if no bal if no bad results follow, continue the
feed. It depends altogether upon the condition of the potatoes whether or not
they are fit for feed. they are fit for feed.
2. Pumpkins may be fed to pigs 2. Pumpkins may be fed to pigs rav
or cooked. There is little to gain by
cooking, unless the pigs are young, and
it is desired to th desired to inix some other feed
tith them. TThis might be all cooked
ogether, or the potatoes minht he
one cogether, or the potatoes might be
cooked alone, having the shorts and
milk added afterwards, and the pump

## The Economical Cattle Feed

Every farmer and stock-raiser knows that Pure Cane Molasses is an excellent food for animals, but the difficulty of feeding it has stood in the way of its general use.

contains at least $84 \%$ of Pure Cane Molasses, and is the only safe and convenient form in which Molasses may be fed to stock. It costs nothing to use it, because it takes the place of
an equal quantity of cereal, and adds greatly to the nutritive value of the entire feed.
N.B.-Ask us to show you how and why it will pay
 ou well to use Caldwells Molasses Meal systematically. Clip out couponmail to us, and we will send you full particulars.
I


Shropshires and Cotswolds! In SHROPSHIRES I have for sale 35 imp . shearling rams and ewes from some of Buttar ewes. In COTSWOLDS 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 Claromont Station, C. P. R., three miless, John Miller. Brougham, Ont.
Pickering Station, G. T. R., seven miles. Belmont Shropshires and Southdowns

I have a grand lot of rams arid ewes for sale, both breeds. Anyone wanting a good ram, or a few good breeding ewes,
C. Hodgoon, Breantioral Dit. , COTSWOLDS AND SHROPSHIRES At Toronto I won 1rto on
 AMERICAN SHROPSHIRE IREGISTRY ASSOCIATION ship of any live-stock association in the world. Life membership $\$ 5$.ombe No yearly dues. Write for information. J. M. Wade, Secretary, Lafayette, Indianta Present offering: Tamworths and Shorthorms | Morriston Tamworths

 L.-D. 'Phone. A. A. Colwill Neweastle Ont. GHAS. CURRIE, Morriston, Ontario ELMHURST LARGE ENGLISH BERKSHIREB
Present offering: Select sows. Choice boars ready tor service alos younger stodk



 Registered Tamworths. 1



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 You take absolutely no risk whatever when you let us place in your homefor Ten Days
FREE Trial, the greatest labor saver eerer invented. the

KING EDWARD" VACUUM CLEANER
Not only is this machine the most poweral and yet the easiest to because we have eliminated the selling direct to you at factory cost. We want to place the King Edward
Vacuum Cleaner in your home. We Vacuum Cleaner in your home. We hangings, mattresses, furniture and hardwood floors. The suction is
by double pneumatics-that means by double pneumatics-that means
the very greatest efficiency at the least expenditure of energy.

Send To-Day This machine quickly pays for it self in the labor it saves. It is a
waste of money to be without it. Fill in and mail the coupon to.dea. Use
the machime 10 days. If it doesn'teatiofy


The Gro. H. King Co. Ltd
The Gbo. H. King Co. Ltd.
Woopstock, Ont

Name.....

-     - -a..................................................................

The Geo. H. King Co., Limited $\begin{gathered}\text { Manufacturers of Hand Electric, Water } \\ \text { Woodstock, Ont. }\end{gathered}$

## Monarch Light

## Touch



The farmer, or any other business man for that matter, who does not keep an accurate and comparative yearly account of every department of his farm or business is soon "out of the running" with the man who does. The greatest aid to record work is the typewriter. The

MONARCH TYPEWRITER
is a splendid machine for billing, card indexing, loose-leaf work or correspondence, for the following reasons
Construction Simple
Parts Accessible
Yisibility Complete
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## Light Touch <br> Easy to Operate Easy to Learn

 Long WearingLet us give you a demonstration of the Monarch machine in your home. A post card will place literature and full information in your hands immediately. Easy payments. Write now for full particulars. MONARCH DEPARTMENT
Remington Typewriter Co., Ltd
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## H.-A. STEEL TANKS

 Are the most durable and handy
stock -watering tanks on the We use nothing but the very yanized, in the , heavily gal them. All seams are securely small tanks, and in larger ones
the seams are rivetted.
ff water-well supplies. "BAKER" Windmills, Pumps, Cylinders. Ask for
Tank Catalogue No. 24, or Windmill Catalogue No. 28.
ThE HELLER-ALLER CO., Windsor, Ontario


Oven is perfectly square, large
and well ventilated, and is made of one piece of heavy sheet steel, hand riveted. No dust. No warping. No cracking. Steel Oven Racks.

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

## Little Willie-"What, is the difference between a close friend and $a$ dear

Priend?"A close friend, my son, is one
Pa-"'A
 will stand for.'



[^2]

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has the honor of being one of the first has the honor of being one of the irst
herds of that popular baoon breed estab-
lished in in Canada, the early
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tivee having registration numbers as low tives having registration umbers as low
as 12 in the first volume. That was
to many years ago, and the herd is still in
existence, and through all the years has
eke kept pace with the times in the mater
of typerimprovement and show-ring aur
㸚hibitions ane they were exhbibited by the the
herd's former owner, N. Blain, and for herds former owner, N. Blain, and for
a number of recent yaars exxitited by
their present owner, Herbert Germain, of their present owner, Herbert Germain, of-
St. George, Ont. In the strongest competition the breed could put up in Can-
ada they won their honors, and since the herd's foundation, the breading has
been going on trom prizewinning sires
 oonered for sale, particularly the young
sows getting along to breeding age, are sows getting along to breding age, are
an exceedingly ehoice lot, sired by such great hogs as the Toronto second-prize boar, Springbank Osoar, and Morriston
Harry 3rd, a grandson, of Imp. Knowle Harry 3rd, a grandson of Imp. Knowlo
King David, on his dam's side, and Imp. Rolleston Raymond, on his sire's side. These youngsters, on their dam's side,
are out of daughters and granddaughters are out of daughters and granddaughters
of Imp. Cholderton Golden Star, and the of Imp. Cholderton Golden Star, and the
invincible, Colwill's Choice. There is no
in better breeding in the country. Parties wanting young Tamworths of show-ri
quality should write Mr. Germain.

MINSTER HOLSTEINS AND YORKShires. The annual visit of the migratery rep-
resentative of "The Farmer's Advocate"
to that to the old and widely-known stock farm,
Minster, the property of genial Dick Minster, the property of genial Dick
Honey, of Brickley, Ont., was, as is usual with visitors to that noted farm, the occasion of one of Friend Dick's
spontaneous outbursts of entertainin $\begin{aligned} & \text { spontaneous } \\ & \text { hospitality. }\end{aligned} \quad \begin{aligned} & \text { outbursts of entertaining } \\ & \text { He is right proud of his }\end{aligned}$
rest big herds of Holstein cattle and Yorkshire swine, and well he should be, for
they have for many years kept thing they have for many years kept things
pretty well cleaned up at a wide circle prety weal and county shows in Hastings, Peterborough, and Northumberland, and are just now, after another very success-
ful season, looking in prime condition: ful season, looking in prime condition.
Of late years Mr. Honey has had a number of his Holsteins measuring up for the standard of entrance to the official
R. O. P. Records, and they have R. O. P. Records, and they have made a
most creditable showing. Many of them have already qualified, and several others are gradually gaining the goal. A par-
ticularly pleasing aspect of the herd' ticularly pleasing aspect of the herd's
complexion is the splendid quality and complexity
uniformity of the young things sired by the present stock bull, Lakeview Burke Fayne, a son of the grandly-bred Count
Hengerveld Fayne De Kol, whose sire Hengerveld Payne
Pietertje Hengerveld Count De Kol, has over 100 daughters and 30 sons in the
A. R. O., and whose dam was Grace A. R. O., and whose dam was Grace
Fayne 2nd, the dam of the ex-world's Fayne 2nd, the dam of the ex-world's
champion, Grace Fayne 2nd's Home-
stead champlon, Grace
stead, with a record of 35.55 lbs. The
dam of Lakeview Burke Fayne was $\left\lvert\, \begin{aligned} & \text { Derkje Pet Burke, whose record } \\ & \text { dam's recorel and avage over } 22 \text { lbs. In } \\ & \text { In }\end{aligned}\right.$ use on the daughters of this sphendidly-
bred bull is Triumph Velstra, a son of bred bull is Triumph Velstra, a son ol
Velstra Triumph, with 12 velstra Triumph, with 12 A. R. ${ }^{2}$.
daughters, and whose dam and sire's
dam have records that average dam have records that average over 100
lbs. of milk a day, a record that no other bull in Canada can claim. The dam of two-year-old record of 13.13 lbs. For sale just now are a lew young bulls
sired by the senior stock bull. In Yolk sired by the senior stock bull. In York-
shires, there are on hand some particularly nice young things of breeding age,
sired by the $800-\mathrm{b}$. Miss Hollingsworth-sired by the Mookland Roaster, a son of Imp. Broomhouse
got by the great
gire On their dam's side, they are of the ever-popular Victoria tribe. Parties
wanting a young Helstein buh, or breedwanting a young Helstein buh, or breed-
ing stock in Yorkshires, would do well ing stock in Yorkshires, would do well
to correspond with Mr. Honey, as his prices are remarkably liberal.
Customer-"What have you in the way
of summer fiction ?"
Newsdealer-"We have the platiorms
Newsdealer-"'We have the platiorms of
all the parties, and the candidatee


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$\square$
A farmer went into a hardware stors,
and, while purchasing some toola, and, while purchasing some tools, was
asked by the proprietor $Y$ he did not want to buy a bicycle. "A bicycle won't eat head ofe," said the man, "and you can ride around your farm on it. They're cheap no
and I can let you have one for $\$ 35$." "I'd rather put the $\$ 35$ ha cow replied the farmer.
"Oh, well." gaid "Oh, well," said the hardware man, ish riding round your farm on a cow, "ow. wouldn't you ?"
"No more foolish, perhaps," said the "No more foolish,
earmer, "than
I porhaps," sild mill the bicyele."
Customer-"Is that a real ostrich fear ther ?"
Draper-"What, for tenpence? Oh, no, Draper-"What, for tenpence ?
ostrich is merely its nom-de-plume."

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Totrenhan Court Road, London, England.


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[^1]:    A little boy had eaten too much under
    done pie for his Christmas supper, a was soon roaring lustily.
    His mother's visitor was much dis
    turbed
    "If he was my child," she said, "he'c
    get a good, sound spanking." "He deserves it," the mother admittedi "but I don't believe in spanking him on a full stomach."
    "Neither do I ," said the visitor, ". "Neither do $\qquad$
    She-"I consider, John, that sheep are the stupidest creatures living."
    He (absent-mindedly)-"Yes, my lamb!"

[^2]:    When Writing Advertisers, Please Mention "The Farmer's Advocate"

