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Vol. XLVIII

## Frost" Fence First Two Prize Winners <br> 

The prizewinner, whether bull or fence, must be of the best breeding and the highest pedigree.
Frost Fence is the prizewinner; because it is of the best materal and has the careful make-up. It is considerably different from the ordinary woven, and it is as much better as it is different. Service is combined with appearance, and we'll tell you how.

In the first place, we do not aim at any enormous production from one machine. We build a new fence loom when it is needed. The Frost system of manufacturing wire and woven fence is not simply drawing and galvanizing wire and weaving it into fence, but it is a process carried out by experts who are skilled at this work. Their instructions are to know positively that Frost Woven Fence is the best that can be made, regardless of whether the output is large or small.

Frost Fence, because of this improved weaving, has that reserved spring, similar to coiled wire. It has laterals of equal length and tension so that once stretched it stays TIGHT. It has stays which stand upright and are evenly spaced. It has a lock or binding which absolutely holds and does this without giving the lateral wire that weakening kink which so often results in a broken lateral.

You'll get increased service from the Frost Fence, simply because it is a better-made fence. Now is the time to think carefully about your fences, compare the quality and price, so that you are posted when you are approached by an agent during the winter or early spring.

You ought to know more about Frost Fence. Write now for new catalogue and decide for yourself that the above arguments are right.
Frost Wire Fence Co., Limited, Hamilton, Canada


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## Best-Hated of Farm Tasks

0 N the spreaderless farm the thought of the great heaps of manure piling up constantly in barn yards mean much disagreeable and hard work. Three times every bit pules be handed. it must all be loaded onto high wagons it must be raked off in piles in the fields. Then every forkful must be shaken Compare that old-fashioned method with the spreader way pitch the manure into the spreader box, only waist high, drive out
and -the machine does all the rest. And, far more important, if you bay an I H C spreader, one ton of manure will go as far as two tons spread by hand, with the same good
effect on the soil, and it will all be spread evenly,
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are farm necessities. The man who uses one will get the price of it
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Vol. XLVIII,
EDITORIAL
Qetting ready for winter is the order of the
The rustle of the fallen leaves records the footsteps of the retreating year.
Each acre plowed this fall means earlier seeding next spring, and early seeding adds to the
chances of a good yield. Keep the plow going.

With the subsidence of international trade walls, neighboring people will see more of each
other, and !et us hone timprove upon closer acquaintance. $\qquad$
The officially appoiinted Canadian Thanksgiving bessed with good things that every day brings
$\qquad$
Where are the farm implements and machines ers are not very satisfactory summer implement
$\qquad$
With other animals destined for the packinghouses and abdttoirs advancing in price, people
have been wondering in recent weeks why the quotations for good bacon hogs, no easier to
secure, should have been steadily hammered

Who said that autumn is not a busy season? What with silo-filling, threshing, apple-picking, Kalmost forgets to admire the beauties which nature spreads around him.

Stop: You have been offered a long price one on your farm. Will it be more profitable to sell her and thus lower the standard of your herd or flock than to keep her and improve by
her yearly additions to that herd or flock? This is a good time to hold fast to that which is
$\qquad$
One of the very foremost exponents of English observes that China, long looked upon as hope
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$\qquad$ hot spells of 1913 are probably past. The idea is rather to encourage steadiness of purpose untion of the new United States tariff schedules affecting agricultural productions and traffic berents. The effect on the trade in cattle and aniing. The comparative facility with which the new measure traversed the rocks, and shoals of
Congress to the Woodrow Wilson betokens behin'd it a substantial body of public opinion, sagaciously directed for phat is heliever to be the hest interests of the
people a whole. The general spirit of the legislation arpears to have made a favorable imis for the benefit of the American. Its permanence will depend upon the minimum of dis-
turbance which it may occasion to what is designated "prosperity", and the extent to which
its expectations are realized. vime will what effect it may have upon that wearying theme, the high cost of living. The Canadian he well knows by the "rule of thumb" or thy book-keeping, how his cost of living and the cost dred weight of steer, every quart of milk, pint of cream, pound of butter. fleece of wool, leg of mutton, live hog ready for the packer, or lox of
fruit for the consumer. Furthermore, we need not imagine that the distant Argentine or Aisstrand of the cost of production despite some favoring conditions, and are probably just as fully legitinately can out of their lalor and investments.
Those who, without due consideration, go olf at a tangent into an alluring line of prospective
money-making, often simply provide supplies from which some intermediary gathers the cream. thos who dispose of the more finely elaboratod product, such as reasonably young and wellrich the other fellow's land, high-grade dairy products rather than whole milk (except, of course, sequent drain on the land). fat fowls rather than bones and feathers for someone else to round out
for the top price, and cholicely-packed fruits or are in progress, but let us be on the alert, not linquish our foundation stock, which, in breeding animals ranks among the world's best, but to
produce in superior form that for which there produce in superior form that for which there
seems reasonable prospect of a steady and subeems reasonable prospect of a steady and subpay on our high-priced farming lands. The
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as one of the packing-house magnates has foreshadowed, he buys beefsteak at 60 cents a pound. The farmer's share, of whatever, prices. but live-steck husbandry appears to be more than ever secure. "It"is a time to press steadily" for-
$\qquad$
Real Empire Builders
It is estimated that anout 90 per cent. of tho
 mass of wage-earning laborers. For, a long time this three-class system seemed to go on filirly The drift is to the towns, and the land is under cultivated. Whether the state will undertake, by
some system of purchase, to transfer the land to the real farmers need not be conjectured, but close students of the situation are assuming as provement of agriculture in the Old Land, the lot thereby, must be improved. All the social and industrial unrest of the British Isles, and of the direction of a delcent, "living wage" tod the
laborer. Then, there must come the possibility of independent access to the land, the probable establishment.. of Land Courts, or tribunhls for
equitable 'adjustment of the relations of fand owners and tenants, and by means of co-operation and improved facllities of trafisport, an
adequate return secuved to the produeer on the land for his enterprise and effort The problems pressing hard for solution. and the fitatem are who successfully grapple with them will take
rank among the real makers and conservers of
the Empire.

A Bright Future for Live-Stock Breeders.
Canada has a meat shortage, and the United States, a country with its millions ppon minions its supplies even more keenly than has been the opened to receive our surplus and that of other countries, but we have no real surplus, and
an investigation made by the United States Department of Agriculture has brought this point clearly to the notice of the American people.
The Argentine had fewer cattle in 1911 than in 1908, and reports indicate that already that
country is drawing upon its reserve. Australia as well as the Argentine is called upon to supply
British imports, and cannot be expected to send in enough to yery appreciably affect the market. The removal of the tariff has caused many
carloads of Canadian cattle. principally stockers
and feeders, and a few lambs to go across the and feeders, and a few lambs to go across the are working under no illusion. Those familiar
with the situation there and here know full well that our markets must rise to the level of Ameri-
can markets, and that very soon the supply of produced. Thev are now endeavoring to encourage
$\qquad$ bred live stock in this country. The end of all
cittle. sheep and swine is the butcher's block,

The Farmer's Advocate Can Beef Steak and Ham and Eggs be Replaced?

## home magazine.

heis lifading agricultural journal in THE DOMTINION.

PUBLISHED WEEKLY BY
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JOHN WELD, MANAGER.
Acente for "The Farmer'an Advocate and Homo Journali"

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THE WILLIAM WELD OOMPANY (LMITED)
omdon, oamada
and tho value of breeding stook is really based upon what that stock, in the end, is able to do to improve the animal destined to the slaughterduction is the basis of value, to increase the llow of milk. As pointed out in an editorial in daliry products s issue, dairy cattle and certain dairy products are almost sure to toe taken from intrease an already keen demand for these caust and their products. All existing doubts have veen cleared away regarding the demand for meats. It must continue unabated, and rising market prices, or at least no slumps, are likely Was there, then, considering all these things, ever a time when breeders of pure-bred live stock had reason to feel more optimistic? They have every assurance that the future of thelr work is solid, because the live-stock business now has a double backing-good pifees for stock sold for consumption, and a return of plant food to the soil.

Any increased efiort to produce more stock for the butchers and more milk and dairy products. if successful, must be based on the lirowing of the best class of stock which can onty come through the use of high-class,
and a liberal diffusion through pure-bred females of a high ord hope, in his hurry, to succeed by breeding scrul The demand will be for good stock, and then Lreeders of pure-breds must benefit. We look i,
a lively interest and a keen business demand $f$. the right kind of pure-bred breeding stock of a classes, and breeders of these classes or atronage which they are sure to get

Incident upon the lowering of the barrier on ood stuffs entering the United States came rise in prices of some of the meats and produce of Canadian farms, and even long before this law was enacted the price of beef, lamb, pork, butter, egge and poultry was blamed, to a large extent, for the high cost of living. This old cry is renewed more vigorously than ever. With very upward tendency of the market new volumes come each with a different solution for the household problems, but nearly all originate with consumers, who lay all the blame at the producer's door. Meats and country produce have soared until at the present we read that consumers are looking around to find staple articles of diet which have not advanced in price, and with a hope of replacing the high-priced produce from the stock farm. Sugar, flour, a cereal or two, and canned fish are the articles of diet lavored to replace beef, pork, butter, eggs, etc. In 1890 sugar is said to have sold at $\$ 7.00$ per awt., whereas now it is only $\$ 4.50$. Flour is rom 65 to 90 cents per hbl. cheaper now than in 1890, and rolled oats are comparatively heap now. Contrasting this with bacon, which old at 10 cents per pound in 1890 and upwards 20 cents in 1913, and a diference of over four ents per pound on foot for hogs, and the prices


Another Plague Coming
or eggs more than double, and butter grow a great advance, while beefsteak has showing a nearly 30 cents per pound, there is food for thought. Canned fisi lis now thought to be cheap, comparatively speaking, at 15 cents for haddie and 20 cents for salmon.
The question is, will people give up a good, Juicy beefsteak, a nice plate of pork or lamb chops, their customary lacon and eggs or ham and eggs, and their potatoes fried in butter for ny mixture of lyour and fish oil or any cereal and sugan? An extra demand for flour, sugar and fish would soon affect the price of these commodities until they, too, would seem too expenave to eat, and meat, butter and eggs would gain come into their bwn: but such a shifting English speaking people er where they are and tastos int rations are not ensily displaced. a wholesome and tasty dish when served occasion ally, but few would care to eat it day in and day out as they do beef or pork, also butter and ecrgs. The upshot of the whole matter is most Hholy to be a demand for higher wages by the vorkingmen to mect the increased cost of life's nocessities, for we could not call the meat and moduce from the farm anything but necessities, and a continued keen demand for beef, mutton, pork and farm protuce. There seems to be little risk in taking a chance in the live stock and
rop of spuds in peace ?"
ith
th dork lis the older plants shaggy and the cap is fromes. The surface is three inches in length before expansion. The sipe is white, smooth and hollow. The gills finally black white, then tinged with pink, and The cap of the Cpping with an inky fluid. at first, broadening by degrees until it is ooneshaper. The color is grayish or grayish-brown, with a very few of lead color. It is smooth or a bloom. It is from ane to orten covered with meter. The stipe is slender, smooth, whitish and
hollow. then blact be gills are crowded, at first whitish, fluid. and moist and dripping away in inky
The popular idea is that these two fungi must ractive in deadly because they look so unatthe inky fluid, and many times when gathering them passers-by have tried to warn me away from them. "Those are not mushrooms, they're hey say, if you eat them you'll be poisoned, these yesterdav and" I reply, "I ate some ho aten' a good many every fall for some years, and hous shake of the dead yet. do I ?" With aldub There are many ways of cooking these mush them in dripping taste the nicest way is to fry cris', and serve on hot buttened toast. nearly They are also excellent pickled, which may the
done as foliows: Take a quart, one as foliows: Take a quart of mushrooms, lace them in brine over night. "Take tons," and cider vinegar, place it in a saucepan on the stove
add a tablespoonful of whole allspice, two table
spoonfuls of sugar, a teaspoon of salt, and a tea-
spoon of red peppers. 13 oil for about ten minutes, spoon of red peppers. Boil for about ten minutes,
drain the mushrooms and pour the boiling vinegar and spices over them

Europe Through Canadian Eyes---IX.
FRENCH ROADS AND AGRICUlTURE
Everywhere in Europe the excellence of the country roads and of the city streets is mani-
feat. Work is done there more leisurely tha here-they have more time to do it, having had several centuries to do what had to be done
here in less than one-but there is here in less than one-but there is no disputing
that it is more thoroughly dione. We had the pleasure of seeing repairs made on a macadamized street in Geneva. $\begin{aligned} & \text { Now Geneva is, of course, in } \\ & \text { Switzerland, but it is, except politically, essen- }\end{aligned}$ tially French. French is the language spoken the town is situated at the end of a point Swiss territory that projects into France far b yond the nawre sount in question was the two free from loose surface stones and was so hard and smooth that one might have mistaken it for cement concrete. To our eyes it seemed, in no need of repair, accustomed as we are to the
rough lumps of our own city pavements except rough recently laid. Yet here was a gang of
where rept three men quietly but steadily at work reparing
it. Some slight depressions had worn on the it. Some slight depressions had worn on the
surface, the very worst not quite an inch deep. Surface, spots the first man broke up with a picick to a depth of about four inches, an average sized spot bieing in the neighborhood of two feet wide
and three feet long, but, of course, varying very and three feet long, but, of course, varying very
much in size and shape. After being picked much in sitze and shape. Atter being picked
loose, another workman came with a fork somewhat resembling a manure fork, only wider and heavier and with prongs about an inch and a quarter apart, and forked out into a little heap every thing that would not drop through between
the prongs. With an ordinary shovel the finer particles were then shovelled out into another heap. The third man then shovelled in again the heap of coarse material, adding to it from a
pile of broken stone that had been laid convenipile of broken stone that had hoen laid conveni-
ently near, enough to make all level when finished. This was then sprinkled with a watering can and rammed with a heavy iron-faced instrument, watering being done repeatedly and profusely, the
ramming also being repeated until all was solid. The finer material was next added on top and also watered and rammed until the water flowed over and everything was firm and smooth. sprinkling of sand was then sifted on the sur-
face and the iob was complete. Excent for the Tace and the job was complete. Exxcept for the
sanded spot and the fact that there was a slight sanded spot and the ract that there was a, slight
crown, instead of a depression, one would never suspect that the smooth surface had been broken
While lingering around to see the whole perIormance gone through with, we asked in English meanwhile to the extra heap of broken stone near, if that was not for the purpose of making
up any deficiency of material in the parts repairup any deficiency of material in the parts repair-
ed. After several futile attempts on his part to comprehend and on ours to help him to, a light broke over his face as he thought he understood, and he answered with one word-"macadam"'the accent on the last syllable. It sounded like
swearing. In traveling hy rall from Geneva to Paris,
tone sees that phrts of France are mountainous. one sees that parts of France are mountainous.
For some time alter entering French territory, turally the country is much like Switzerland, but as the journey progresses, leveller land is soon reached, and for the greater part of the way to Paris and from thence to Havre fertile, well-tilled
farm land almost without a brealk are passed. A smiling, goodly country is France. Fall wheat was being harvested as we went through and soring grain was ripening. Generally speaking, ne to del! ght a farmer's heart. We saw no salfhinders, but sett-rake reapers were much in evi-
dence.
Here dence. Here, as in Germany, it seemed to be the
fashion for womeo to do a good deal of work in the fields, but more in conjunction with the men 'The than working a'one, as in that woman Who had been toining together in the field stand-
ing with bowed heads as the evening hell sounds. ing with bowed heads as the evening bell sounds,
is tvicically French
The sight of harvest work in all its stages being carried on, though in a far country and by another race whose dialect was Jareon to us, seemed very natural indeed. It llirned our thoughts toward our blessed home
land, Canada, and the work and workess there, nnd we realized that all parts of the world are aitur all much alike.
The practice of tethering cows in the fields to
forage, which we had not observed elsewhere, is Crave, which we had not observed elsewhere, is
conmon on many French farms. It was no unconnon on many French farms. It was no un-
wsual sight to mee dozen cows in a row length-
w.ss of a field, each one with her section of a

Much eaten out of the knee-high crop beyond. Much could he said as to the wisdom of such a
practice. It was soiltng made easy. The appearance of the French cows themselves was not attractive. Spots of almost every concoats. Doubtless they were good milkers or the thrifty French peasants would have replaced them with others, but to the passing traveller they ap-
peared to be of no distinct breed, but rather co-mingling of many breeds. Marks of Jersey Iolstein and Swiss blood could be noticed with others for which there was no accounting. Vis through the Art. Building will rear who went largest painting on exhibition, a herd of cows being driven home at evening. Those cows with their various colors and quear spots about. the
eyes brought vividly back to our mind the cattle


Erercising the Stallion.
stallion, owned in Lambton $C_{0}$
of rural France. It was undoubtedly a French scenc. Those high-class dairy cows, the Jerseys and Alderneys, are really French breeds of cattle developed on: the Channel Islands, which politically, however, belong to England, but except for
these we have bean unable to learn of any distinct and typical French breeds.
But when it comes to horses, there is another story to tell. Ona of the striking sights in Genseen on every haud. One of our party, a rancher from Colorado, who raises both sheep and horses, said in regard to thern, "What I would like is to these splendid horses. Ain't they beauts?" We never managed to inake that ipxpedition. But to see, as we did, a string of six strong, handsame black horses, ns alike as peas in a pod, hitched
tandem to a cart loaded with a great mass of tandem to a cart loaded with a great mass of
rock, pulling it up a long, sloping street, and with only one driver, was an object lesson in horsecrafl. The driver had a whip and walked
alongside the second or third horse from the
ront. But though he cracked his whip occasion be said of all French a horse with it., That can saw. They all carried or Swiss drivers that we pleasure in the scientific cracking seemed them, but we never saw a horse struck. Well these siz blacki beauties with the one driver walked up that lope, not one slinking, not one excited, or strug ling, but each horse doing his part steadily man was justifiable, even inevitable.
By the way, when carts are mentioned, we had hought to find that draft vehicle peculiar to ingland and Scotland. As for French fashions something antiquated or outlandish. Instead, we ound there were in Paris a much greater per centage of carts used for heavy wor' than we sav box dum? carts, such as may be seen on som Canadian farms, or in use in Toronto for coal delivery, are common where heavy material, such searth or cricss, is belg hauled, but beside engths and shapes may be seen there, some being ot less than twonty ieet in length.
There was much more opportunity to observe the French horses in Paris than in Geneva, and
though greater diference in size was noticeable, and a larger percentage of grays among the biacks, yet the type was the same throughout. Whether you looked upon massive drafters, moun tains of Ølesh and blood, or the size was that of sinooth, rounded, strong body, the same wellarched neck, and the same freedom from extre hair at the fetlocks, characteristic of the to be no other breed, though doubtless there must he. But the five coach horses which took us in Parisiau style to and from Versailles resembled, in almost every way those moving heavy loads, ex-
copt in size. Not one of them could be called rangy, much less leggy. They were not so nuryy and springy, nor, perhaps, so tough as the Eing ish bluoded horse, but they made satisfactory French horses rank high in soundness and temper. Of all the horses that we saw there, only tanding and had sign of lameness. He was was all. And in temper, though set out. That somewhat of a lack of responsiveness to attenbed against or that came that we by chance rubany way there was not a single vicious animal nor even one that showed any signs of bad tem
per when a stranger came near.

## THE HORSE.

Uhlan lowered the world's trotting record to
Keep the weaned colt out doors in a well ter than in the close confinement of do far betstall.
Not all stallions are as quiet as the one fllue trated in this issue. Perhaps if they were they trated in this iosue. Perhaps if they were they
would get more exercise during the fall and
winter season.


Percheron Stallions-Three Prizewinners at Paris, France.
to begin early in tha winter, get on all the fat possible with sufficient exercise to avoid over loading and prevent stocking. Feed regularly water regularly, exercise regularly, and groo regularly.
It is said that the inroads of the automobile have driven so many horses out of commission in Britain that there is a scarcity of horse manure as fertilizer, and scientists are seeking new sub
stances to supply humus.

If the mare has a fall colt, she requires liberal feeding on nicely-cured hay with plenty of oats and bran and a few roots. Effort must be made to supply at least a part of the succulency which
springing grass affords the dam of the spring springing gras
dropped colt.

There is often a great rush of work to be done perspire most freely, and then it is that horse often exposed to cold, chilling winds or drafts after the day's work. It is well to get plenty of fresh air into the horse stable, but avoid cold draits which blow directly upon horses which have
their coats wet with sweat. Close doors to their coats
avoid drafts.

## Horses and Silage

Now that the silos are full and winter ap-
roaching, many will begin to wonder if silage may be fed to horses without bad results. The hay famine in several districts will alter many herdsman upon his resources to compound winter diet for the stock. Only a very judicious feeder should be advised to feed silage to horses,
and yet we have seen horses fed on silage and yet we have seen horses fed on silage ast winter two colts were under our observation which secured nothing but hay and silage al
winter long. Fatal results have been reported however, with silage-fed horses. In one case the veterinarian pronounced it rerebral menease the and the animal showed a paratized 'condit'so and much weakness. It was unable to swallow; it
would attempt to drink, but could not; its muscles would twitch and tremble, and it finally became so weak that lit could not stand. When
down its muscles would move automatically walking or trotting. From automatically, as i seems to be the time required for the disease to un its course and cause death to the patient. feeding silage, the silage was immature, containing considerable acid, or mouldy and overheated Some of it came from new silos which had not yet become sealed with small materials and Past experience has shown that good, sweet, well-matured silage, not mouldy or otherwise impaired, is excellent fodder for the horse and colt,
but any silage not up to this standard will fed at a risk to the owner and danger to the ani-

When Horses' Legs Swell. I have, a mare five years old, a half-bred
Clydesdale. Her hind legs swell while she is in three times a day, and hay and water of oats three times a day, and hay and water, and work
her ten hours a day. She is in aod health every other way
Parry Sound.
Ans.-This tendency to swelling is called by as, "stocking." This "tendency, is greater in heavy horses than in those of the lighter breeds, and the class of horse with meaty, coargeflegs, is
more predisposed to this swelling more predisposed to this swelling than is the harse with the clean, flinty, tlat bone so much in
demand. Althouga, this subject has been dlscussed in "The Farmer's Advocate" many timas, a little space may be given to it again at this, season when horses are just on the verge of a
long period af comparative idleness, and are
right in the midst of the col long period af comparative idleness, and are
right in the midst of the cool, fall weather with
varying temperatures and varying temperatures and muddy heels, so likely quent swelling.
Stocking is generally attributable to a slug-
gish circulation in the extremities. Horses ingish circulation in the extremities. Horses in-
side on dry feed give most trouble from this side on dry feed give most trouble from this
cause, but some horses are congenitally predisposed because of faulty conformation. predisfeding on grain and lack of exercise are two of in very low flesh and receiving a small amount of feed shown stocking well marked. As this particular horse is working daily and the swelling shows it the morning after a night's rest, we horse has been worked for a short time. This is sluggish circulation. Exarcise increases circulation and stimulates absorption, and all super-
flous exudates avhich really cause the swelline are carried away. This condition ma
suffering or faulty digestion or both. Horses commonly develop the symptoms. Grain rations should be reduced when work slackens, if only even for horses Changes from grass to dry feed, gradually, and the grain ration increased slow ing is most winter are the seasons when stock dry feed, for, during summer, most farm horses get at least an occasional mouthful of grass, do then is to provide a substitute for grass Roots fill the bill, and, with a liberal percentage of bran in the grain ration, should have a bene-
ficial effect. Scalded bran fed two times weekly his often advised, as is also three casional feed of boiled oats, and sometimes a little linseed meal once daily or even some raw linseed oil mixed with the grain once daily will
hellp greatly. It is generally necessary to feed something other than dry hav and oats to horse which is troubled with stocking as this one


A Big Yorkshire.
Champion boar at Toronto, 1913. Owned by William Manning, Woodville, Ont
With a horse affected as this one lis a purgative is indicated, and 6 to 10 drams of aloes and "2 drams of ginger should be given. After dessert spoonful of saltpetre in damp food give a daily for three or four days. Examine his heels o see that he has no "scratches." If he has apply oxide of zinc ointment. Rub his legs well
each night after a day's work, and under no circumstances leave them wet and muddy if it is at anl possible to get them clean and dry. If hecessary the legs might be bandaged tightly at heavy horse at daily hard work. Prevention is better than cure, and the best preventive is the breeding of nothing but the cleanest-limbed draft

## Back to The Horse

"Back to the Land" has heen the advice often given, but seldom followed by the townsman. "Back to the horse" has not been heard as much
hut manv city people have enioved their cars and hut manv city people have enioved their cars and
limousines for a time and now that they have hecome a common luxury and a business ap-


Judging Bull Calves at Toronto, 1913
ness has returned to the horse for pleasure and
profit. Automobiles and trucks haye come to stay in towns and cities, but there is still labor where nothing can replace the horse. Construc and country roads, as yet, are not suitable for propel the plow or drill through the soil for many years to come, so we must still retain that
useful animal which has been so faithful in the useful animal which has been so faithful in the past. In the city of Detroit many families who turning to the saddle and carriage horse for real pleasure and eniovment, and the very fact that it
has life and responds to intellicent and skill not automatic management, commends

## LIVE STOCK.

## This is the stockman's day

If investigations bring results, the beef industry
should soon be on a solid hasis.
Thers is considerable stir in the sheep business cils autumn, and this important branch of agri the beef situation monopolizes attention.

Early October generally sees a slump in pork prices, and this year has been no exception to the try, and prices should soon return to the forme

If there is any one animal which requires ex ercise more than another, the large brood sow seems to be that one. We recently saw a litter
of pigs, over half of which were farrowed hairless, small and weak, due undoubterlly to the hairless, the sow had been confined in a very small pen and had put on considerable flesh, exercise being precluded entirely. A sow carrying a litter' should

Human nature is very similar in all things. People like to make large sales at high prices, but it is not good judgment to so deplete the supply
by heavy selling that profitable returns are impossible for some time in the future. High possible for some time in the future. High
prices tempt the stockman to dispose of his good
females females, something which should be carefully guarded against just now. Good breeding females
should be kept to strengthen the herds and flocks.

## How to Disinfect a Cattle Barn.

a is always good practice where a contagious to disinfect thy kind has gained access to the herd often imperative if it is desired to stamp out is disease. Disinfection is absolutely necessary where tuberculosis has gained access to the herd. Agriculture recently published atate College of Agriculture recently published gives a plan for
disinfecting the stables which is valuable for this as well as for some other diseases

1. Remove all manure, litter, loose dirt, loose otten boards and scrape the floor clean
eo from cob-
2. Wash the feed boxes, mangers, stanchions and partitions with hot water containing enough lye or washing powder to cut the dirt. Scrub 4. Spray the walls, ceilings and floors with bichloride of mercury solution ( $1-1000$ ) or a 5 per cent. carbolic acid solution (not crucle). oi iron sulphate or a solution a of chatoride of lime 1 II . to 3 palions of chions and partitions with boxes, mangers, stantion of carbolic acid. This is done cent. soluThis is done for the rea-
son that there is danger of poisoning the animals cury is used for spray upon those structures which
the antimals can lick with their tongues. The ' car-
bolic acid is absolutely harmless if used in a five cent. solution. o walls, ceilings and paritions will add to the
cleanliness of the stable. To make a 5 per cent.
solution of carbolic acid use one part by weight of
pure carbollic acid to
twenty parr old twenty parts of water.
Add the carbolic acid to
a gallon of gallon of moderately
warm water, stive vigor-
ously, th in min ously, water, stir vigor-
make $n$ add enough more warm water to make the desired anount.
The solution. can be applied with spray: pumps, sprinkling cans or with a hrush.
In the mixing and mercury, it must he remembered that this disinfectant is extremely poisonous when taken inter nally, not only to cattle but also to man. The bucicts, tubs. spray pumps and sprinkling cans
which have lieen used in applying the solution should be theroughly in applying the solution
rinsnd with rinsed with clean water before using for any
oth r
murpose. Bichloride of mercury will roce metal, so that it is well to use wooden
utensils.
with wtensils. The mercurry solution must be used stanchinns for fear of the cattle contracting mer-
reason, it is advisable to use the carbolic acid on mercury for the wwalls and ceilings. To make up one-eighth of an ounce of corrosive sublimate to a gallon of water or one-half ounce to four gra-
lons. The addition of a small amount of sal ammoniac will cause the corrosive sublimate to dissolve more easily. It is advisable also first to
add the corrosive sublimate to about one gallon of moderately warm water containing the sal ammoniac. Stir thoroughly and after all of the particles have been dissolved, add enough clear
water to make the required amount. To make a saturated solution of as much of the sulphate should be dissolved in the water as possible. Put the copperas in barrel or some solid container, pouring in water
and allowing the solution to stand for a day. The liquid above the sulphate of iron will be the saturated solution which is to be used on the floors and gutters. tion of one pound of lime is used in the propor tion of one pound of lime to three gallons o
water. It is a very good disinfectant for flo gutters and partitions and can be applied with

Public Abattoirs and the U.S.
Meat Situation.
The United States Department of Agriculture has had experts looking into the meat situation
in that country, and after a thorough analysis they have concluded that there is no possibility tine, Australia, or other countries, and price tine, Australia, or other countries, and prices
must continue to show an upward trend unless some means are taken by the United States peo ple themselves to remedy matters. The investi-
gators propose the erection of public abatboirs and the sale of meats on public markets as is done in Europe. Public slaughter houses, they claim, would eliminate many middlemen, and loeal markets would result in a severe blow at the should be improved, and more economic methods practiced in stock-raising.
It was brought out that meat is scarce, and that the high prices have decreased the per capita
eonnumption of this staple food somewhat. It is estimated that during the past four years this has fallen off ten pounds, or from 162 pounds in
1909 to 152 the present season. Apparently the 1909 to 32 her present season. Apparently the try by almost 30 per cent. during the past six try by almost 30 per cont. during the past six
years. Other countries from which the United States might draw have a very limited and decreasing supply, not excepting Canada. The only again turning his attention to raising farme wam the case before the advent of the large pack ing houses, which drove the small local butchers out of business. The Department puts forth the Farmer's Advocate," viz adviselunity theugh "The district live-stock co-operation, which consists in raising the same kind of animals in especially suitable districts, so that there might be a uni-
formity of output, making it possible to market ormity of output, making it possible to mark

## THE FARM.

## Galvanized Fencing.

Editor "Th
The old rail fence is disappearing rapidly and giving place to the much morere $h$
lence, in some of its various forms.
This is as it should be, as there is less harbor or weeds, and no breeding ground for the wire With a little extrious insects. finish at the fence, the weeds and grass may bo iestroyed almost entirely with the plow, and
leave very
little hand labor to aid in the war leave very little hand labor to aid in the war o
extermination.
This is one of the great advantages of the wire fence, and another is, the few
posts required posts required.
The barbed-v
The barled-wire fence is seldom seen now, ow The smooth, woven fence, elther put on the posts in the wet, as it comes from the manufacturer's hands, or the single wires stretched on the posts,
at suitable distances apart, has taken its place at suitable distances apart, has taken its place.
Unless some stif? wire can be used for the uprights, I would undoubtedly prefer slats. One great drawback yn the use of the wire
fence is the poorly-galvanized wire that is being used now, compared with the earlier wire. For
this I cheapest, in place of enquiring if the galvanizing is well done, until manufacturers are putting on as lit le zinc as can he carried, and in a year or
two, in place of a galvanized steel wire fence it was to be. it is found to be a rusty ferce.
hast going to decay. Rust soon weakens the
fence that would turn a team of horsss, when after school and holidays was to loo's after the Calvanized wire may be easily tested by scrap- when by chance I would have to be kept home ing a small part with a knife, and inding the for a few days to assist in the general farm work thickness of the zinc coating, but this is rot all, my pleasure knew no bounds, but my I how I did zinc, which at the point of union is really an alloy of these two metals, and should be perfectly Another drawback is the dancer of cattlo bein Another drawback is the danger of cattle being at the time of thunderstorms, when miles of wire may be charged to a very high voltage and be discharged instantly whenever a conducting material comes in contact; or the charge may be so
great as to leap over an intervening space, often


Two Champions.
Lincoln ram and ewe, winners at Toronto, 1918. Owned by H. Lee, Highgate, Ont killing many cattle at the one discharge. This father rented the into moist earth, and attaching to the fence, he engaged in thus conveying to the earth in many places what would be a very dangerous charge of electricity.

## A Lover of the Farm

Editor The Farmer'B Advocato
My father was a farmer in my boyhood days. homestead was naturally a beautiful farm cond inting of two hundred acres, ninety acres under
 teen I declared my intention of abandoning sevol entirely and going into farming, taking the mangement of the old farm, which was looking very shabby by this time, with its rude fences tumling down and overgrown with bushes and the ducing about half what they should. At my nequest to leave school and manage the farm my parents would not listen. "Get an education, by boy," father would say, "and by all means you'll be poor all your life." So 1 was persuad-
ed to continue to ed to continue to school, though $I$ did not care for
it at all, though $I$ was considered very clever (I
don't mean this in boastdon't mean this in boasting). However, I mu
have had some brains, for shortly before I was nineteen I returned from 'th Provincial Normal School, examinations with "fiying colors." now holding license of first-class. success, but the prospect of teaching was not very
agreaable to me. F no $m$ agreeable to me. From
the time I came home un-
til I took my first school I assisted with hayling. took a school in the vince at art of the Pro-
salary, and thet yarly salary, and thit fall my
farm. implements farm. implements and
into the city. where arned that strangor stead I loved so well. I was very homesick, and still more so eighteen months later when I went or-nothing. thiftless fellow was renting a good or a place to live, and to get all possible out the place with the least work or improvement. saw at a glance that the machinery was neve housed, and the cows and sheep and the horses
(our horses), one a beautiful old hor old as mysell, and the beautiful bay colt always my pet, now five years old, in very poot always


A Foster Mother
The litter of pigs were succosafully raised by placing nipplen ovar plugn with pigs wore succossully raised by placing nipples over
small holes through them and leading to the trough.
The cultivated land was just gently sloping, and I was the youngest of the family and the only one who evinced any love for farming. When had reached the age of twelve years I was enthus chief delight was to feed them and keep and my chief delight was to feed them and keep an ac
count of the profits and losses. I often said I was going to be a farmer, but my parents, by their atitude for thirty years, and the old farm yearly producing less and the buildings going to cularly to school as my brothors and sisters wer before me. However, my chief delight before and

## they sladly accepted.

 never cared for city life nilk my cows and do at five o'clock or hourlier chool ; at noon I could necessary work befor ork, eat a hasty dinner, or walk home, do the eating us I hurried back to school. I tried to not accomplish much. achool that fall, but could riends wore delichted to My neighbors and old larming among them and realized back to take up ber, a wolcome surprise wat elven first of Novemmen with their teams and plows came and befon
night a large scope of my long-neglected fields hyth a large scope of my long-neglected fields or daughters came with' baskets of provisions, and a regular feast was enjoyed. As the whole affair was a surprise, the women knew nyy mother would
not be prepared to ifeed so many men. After tea a pleasant social party was enjoyed.
hours. I taught the school until the spring fol lowing, then resigned, visited my lady love, married and returned home, beginning farming in real
earnest. For the next ten years we had a strug earnest. For the next ten years we had a strug
gle, markets were not hall as good as they are now, and with the improvements I was determin ed to:make in both farm and buildings, hept us
poor. F'ather used to come to visit us and often he would say, "How you have wasted your op he would say, How you have wasted your op could, have been a lawyer or doctor by this However, that's many, many years ago
and I think if father could see my farm to-day he would scarcely believe it to be the once luaren deserted one with the old, tumble-down kuildings,
that he left in disgust so many years ugo. He that he left in disgust so many years ago. He
would surely change his ideas. I shall not relate the improvements I have made during these years, but I hope in the near future to send a phitograph of my buildings for "The Farmer s Advo-
cate." However, I will add that I spared neither abor nor money to make them comfortable and ment'land a large well-kept stock. Beside a young orchard Just nitcely bearing, I have the old rchard of father's time, and since pruning, spraying and cultivation, have been practised the yield and as valuable for shipment, if not more hardy than some of the newer varieties. In never for a moment rogret the education I got in my younge
days, for I believe it is essential in any vocation days, for Incelieve it is essential in any vocation
farming included. My sons, who are farmer now, each attended an agricultural college a few years ago. In looking around me, I Geel that my
life is a success. Young men, yes, and young wo life is a success. Young men, yes, and young wo-
men too, train to regard farming as one of the men too, train to regard farming as one of the
hifyhest callings on God's beautiful earth, and success will surely attend you. old farmer.
New Brunswick.

## Farm Work.

The Leautiful October weather has maant more to me this year than golden sunshine, gorgeous ly colored leaves, and hazy, lazy outdoor life It was the finishing touch of about the most con sistent piece of good luck I have ever enjoyed Before we got the young apple trees planted and the ground in proper condition, it was almos we thought to plant corn between the rows. But we thought we might have fodder anyway, an must have been at least the fifteenth before the whole eight acres was planted. During the summe the young trees and the corn were kept well cultivated and hoed, and by August there was such a fine showing of corn that it seemed altogether oo bad to think that it might not ripen. people were was stin hreen when lorehande aply in May. Whe sep corn they had pu ecause the land was high september frosts came or some other reason, our field escaped, or only an occasional touch on the leaves in couple of low places. Then the fine weather began, and it ripened porfectly. While it is by no means a bumper crop it is still very good, and seems especially good when we would have been satisfied with much less. Even the pumpkins that were planted in the last week in June ar ripening, and the cows are living higa. A few
days more of this weather and we shall have enough ripe pumpkins to last them thll Christ mas. Cutting the corn, however, was still the same old job. Because of the lit.tle trees it was im possible to have it cut with the machine, and we ber that a couple of years ago I made grievous lamentations about some corn I had to cut. This year I did not mind the job-very much. Now it is a real pleasure to fill my pipe andocked, the hammock and look at it. Of course sit in the husking to come, but I am hopeful that I shall get out of it. There is a gang of Indian husking in go and hire them again to husk that cor am told that if I hire them often enough may get them to do at least part of it. Befor
hat is new to this neighbork in handing corn that is new to this neighborhood. A neighbor, home the ears, and having the usual was hauling ting started at shoveling the corn into the crib. The only way he could do it was to piok out a of bushels by hand until he reached the bottom loads in this way, one of the Indians went and of a wide board about four feet long. He rested one endl on the bottom of the box and the other on the top of the tail board. "Leave that there," he said, when you are pouring in your corn, and after you have your load on, you can begin with your shovel on top of it. You will find that you can work just as easily as if you were starting at be bottom of the box." My neighbor assured me that lit works like a charm, and I intend to
try it when we come to the job of hauling in.

Now that the corn is cut, the apple and cherry trees are making a fine showing. Most of the hould give me a chance to prune them for good hapely heads next, spring. Of the cherry trees vere forty out of the hundred lived, but they surprise that a state when $I$ got them it is a nursery did not charge for the trees that did not As might be only out the labor of planting. found a new pest on the apple trees. Some of the trunks and little branches were white with a
kind of insect that I have never soen except in the woods, and $I$ have not seen them in the woods for many years. I suspect that the creatures are a kind of aphid. They used to be most evil and leprous-looking masses. On their backs they have a white cottony down. member that as a boy I used to be afraid of on my clothes they would eat holes in they got do not know what these insects are or whether they are particularly harmful, but I never before saw them on orchard trees. The leaves on the
trees infested with them have turned purple, and they look anything but healthy. As
the insects are now falling off I do not suppose th will be necessary to do anything about-them hext spring will put them out of business find that quite a number of the trees have been of them infested with green aphids, and on some af them the little creatures are still crawlin because they were plentiful in the old orchard in the spring, and two spravings of kerosene and soap did not seem to affect them much. As soo
as the fall work is over I shall begin to the scientists aloout these matters, so that shall be ready for them next spring

Apple picking is now in full swing, and I guess swing is about the right word to use. To get the ends of the limbs in a way that makes the thankful for a certain surefootedness makes me Scotland for the eggs of Solan geese. Sliff o
Somehow the finest apples seem to grow on the ends a the longest and slimmest branches. While at this the feet is shoes with the stiffest possible soles On the first day $I$ wore light, thin-soled shoes and that night I think I had a pretty clear idee of what enemies of the Turkish Sultan feel like ing on the ladder or on the limbs my whole weight rested on one spot, and my feet were so
sore that I could hardly bear to touch them.

The apples this year are gloriously colored, doubtless owing to the fine sunny weather we hav been having during the past few weeks. Th
Baldwins in particular look very beautiful from a short distance. The dark red apples among the green leaves make a picture to delight an artist, but, alas, and alack! when we go to pick
themn we find that altogether too many of them are scabby and defective. Still, they are good apples, and I do not think that there will be any difficulty in disposing of them as thirds. Speak
ing of selling apples reminds me that since writ ing of selling apples reminds me that since writ
ting my last letter I have received two more re quests for carload lots. Surely those who wan to buy will learn from this year*s experience tha they must make up their minds early in the sea
son if they wish to buy from associations. Even the orchards outside of the associations are now sold. I am keeping all the letters I am getting and next year if we have a good crop it is m
intention to stir up these people along in intention to stir up these people along in July
and try to get them to talk business at the
proper time.

Cider Making and Cider Vinegar What kind of apples are most suitable for to ver, how can it the kept sweet and how made in-
ENQUIRER There is a general opinion that any kind of apapestwin do for cider and many sell all the gapod -small, green, wormy, haif-rotten grade for cider hing which contains juice which may apples, any out is called a cider apple. A really goocd cider apple should be comparatively firm and in all ases sound and should contain a rich juiee with
aslightly acid flavor.
Some take the preaution sigut each apple, through with a the precaution ure that no worms are incorporated with the fished product. Any codling larvae thus found are cut out with their cavities and discarded, the s a good plan to leave the cider-making as as possible, as the product keeps much better when made after cold weather is 'here to stay.' haller a should stand in open casks or barrels for scum to rise on it., This is dipped or skimmed and care must be taken in dipping not to disturb his material. Cider should be stored in a cool ellar or storage, and the barrels or casks should
be tightly corked or bunged. igntly corked or bunged.
weet. We have seent it mept for several yearder heating it after ferst allowing it to settle and after skimming off all scum place it in ordinary put in the jars hot and the jars or . It must be be full. Put it away in the cellar where it is darl and the temperature is comparatively low and uniform. It will soon ferment after being iopened as warm weather and is best for drinking as soon use salicylic acid and we have heard of grated hors3-radish, ${ }^{\text {about a pint to a barrel, keeping the }}$ pint to a barrel, is also recommended seed, one pint to a barrel, is also recommended by some,
but of all the methods none seems !more success and than heating up to boiling point, skimming and bottling, immediately
Many make cider in order to have a supply of
vinegar, and it is possible to get very good vine gar from cider rightly handled. Prof. Van, Slyke, of Cornell Experiment Station outlined a method from which we give a few de tails. He cautioned those attempting। to make cider vinegar to use nothing but sound, ripe, clean be washed.
The fruit should possess a sugar content of it is well to store the fresh-pressed apple juice in a large covered receptacle, and allow it to stand allows considerable solid matter beld in. This sion, to settle. The casks' or barrels should be or boiling water, and should with live steam thirds or three-fourths filled with the cider. The bungs should be. left out until the vinegar is o dicrease a loose plug of cotton may be inserted flies. When the freshly-pressed out dirt and placed in ordinary cellars, where the temperature winter the below 44 or 50 degrees $F$. during the about six months ichermentation is complete in the alcohol is formed in half that time or or less. 3v having the, fermentation take place at 65 to 75 degrees F ., the time can be considerably re not desirable. By the addition of yeast to the
not fresh apple juice (say one ordinary compressed yeast cake for five gallons apple juice), the fermentation can be completed in three months, ' or less, especially at a temperature of 65 to 75 de-
grees. The yeast should be stirred in a cup of water, and, after complete disintegration, added to the apple juice. Vinegar or "mother" should has taken place
When the alcoholic fermentation is completed inse out the cask, renlace cear portion of liquid, the barrel one-half full, and then liquid, filling fourth volume of old vinegar. On the surface of this is carefuily placed some "mother," prepared or woods : Ex oose in a shallow, uncovered crock and one-half hard cider, at one-half old vinegar three or four days the surface should be covered vin a gelatinous coating, which is "mother" of wouden spoon or flat stick, should be laid gent egar. prepared as described ahove cider and vin it in, hecause the acetic ferment grows only on tho surface. where it can have an abundant air snrard itsulf ower the entire surface. The coating shrand itsulf ower the entire surface. The coating
acetic fermentation is going along satisfactorily eighteen months, or more, according to the conditions under which the fermentation is carried on.
When the apple juice is stored in cool cellars When the apple juice is stored in cool cellars,
and left there until it becomes vinegar of degal and lendard, it requires from 21 to 24 months, or even more. When the alcoholic fermentation is
allowed to take place in a cool cellar, and the casis then removed to a warmer place, the time given abar formation may be reduced from that the alcoholic fermentation is hastened by the use of yeast, and the acetic fermentation favored by the proper teinperature and adaition of vinegar
"starter," it is possible to produce good, mer"starter," it is possible to produce good, mer-
chantable vinegar in casks in six to twelve months.
When
nough to acetic fermentation has gone far cid, then the barrels should be cent. of acetic possible with vinegar, and tightly corked, in order A word of caution is in or the vinegar eider in tins. When it is allowed as to keeping tact with either iron or tin, the aclds particula y tannic acid, react on the metal, forming darkcolored substances. It should be boiled, thereore, in granite $\qquad$
Liming the Soil.
The practice of liming soils is as old as any
or modern agricultury yet the fundamental principles underlying its use are not known to many, neither are the conditions of soil easily recognized where lime would
be a direct advantage. be a direct advantage.
M. A. Bachtell
sity, has compiled, of the Ohio State University, has compiled some practical information in-
to a bulletin called "Liming the Soil," and it should be read by all who are ambitious to in-
crease their ylield and maintain withal the fercrease their ylield and maintain withal the fer-
tility of the soil and good mechanical condition Lime itself is not a direct fertilizer. It does
not, of litself, nourish the plant, but it severs the bonds and manacles which hold genuine plant food a prisoner in the soil; it renders thom
available to the plant, increases the yield and available to the plant, increases the yield and
takes the credit. Potash, phosphoric acid and takes the credit. Potash, phosphoric acid and the important part of the diet of plants. They
sometimes are not in the soil, sometimes they sometimes are not in the soil, sometimes they
are combined with other minerals and cannot be are combined with other minerals and cannot be show results at all, in the latter case a chemieal reaction would convert the compounds into food
acceptalle to the plant. Clay soils are often often they lose their lime supply, and the potash remains unassailable by the small rootlets.
Ther nitrocen The nitrogen, so necessary in the vigorous,
growth of foliage, is housed in organic matter. growth of folia,ke, is housed in organic matter.
such as manure, stems or leaves of plants. In order that it may join with some substance to
become a become a nitrate, a form of plant food most ac-
ceptable to vegetation, little underground helpceptable to vegetation, little underground help-
ers called bacteria work day and night, causing this transformation to take place. All they ask in return for their efforts is a neutral or alkaline
soil, some heat, a little air and moisture. They soil, some heat, a little air and moisture. They
will not work in a sour soil. This often ac-
counts counts for black in a soils, bear soring every resemblance
to fertility, being yuite indifferent to crop proto fertility, being yuite indifferent to crop pro-
duction. It is seldom the condition in limestone soils, but it often occurs in muck lands or clay
belts. Too much lime will ultimately so deplete the
land that little food will be left for subsequent crops. It attacks the prganic matter with such vengeance and is so enthusiastic over the litb-
eration of other foods that the crops flourish luxuriantly for a time, but a few years will see
them suffer froin a depleted soil unless green
manures them sufter froin a depleted soil unless green
manures have heen plowed down or barn-yard
manure liberally added. The Scotch used then "Iime enriches the father and impoverishes the son." They learned the truth of the saying only too
well, because in their eacerness lack of judicious rotations and failure to return they saw the land weaken, crops diminish and Many ways and means of diagnosing the soil
are prescribed. Litmus paper will turn from blue to red in a sour soil, but this test is more
applicab,le in the lahoratory. Mosses and sorrel demonstrate in a practical way the husbandman can apply lime to a small area and leave a or grain on both plots. and if lime is beneficial
it will slow bevond a doubt. in many forms, and one's location and local choice. Quick lime or burnt lime is procurable
almost everywhere at nominal figures conveniently applied. at nominal figures and is get a large percentage of the benefit. Ground
factured, and hydrated lime are now being manu- March, one cow till grass, and had one-quarter factured, but limestone is only a little more than ton of timothy left. He is a good feeder. This half as strong, and hydrated lime three-quarters or quick lime. This characteristic of the two latter forms is not unfavorable; it is cheaper The can be applied.
lime, we have ever found, is to put lit in quick piles in the field, and throw a put little dirt up against it. The air, dew and rain will slake it in a few days, and then it can be spread with a spade or shovel, allowing a little soil to mingle
with each shovelful to prevent it blowing away Fall or spring are convenient times for application. Before the spring working of the land
prior to the hoe crop in the rota prior to the hoe crop in the rotation, is prefer alright and so is early fall for putting on the lime. Spreaders for applying lime are made, but every farmer has some home-made device or ingenuity enough to apply his lime in the experi-
mental stages, at least, without additional expense. is generally recommended that one ton of quick lime or two tons of ground limestone be applied per acre where the soil is very acid favor only half that quantity, and repeat it every four or five years. Tho generous a quan tity of lime might liberate more plant food than
was necessary for the immediate use of the crop and, as the nitrates are soluble, they would
leach from the soil and be wasted leach from the soil and be wasted entirely. food. Your soil mav require it and it may not If your land has suffered from lack of judicious rotations; if it has been improperly or insuffl-
ciently manured and fertilized ; if it requin ciently manured and fertilized; if it requires
another system of cultivation, then lime will only cause it to rally for a short neriod, like a sick person before the fatal moment. Ascertain by experiment if the land is sour, or, in case of clay soils, close in texture, under these condition
lime wlll repay the user.


## Lessnessock Forest King Imp. <br> Lessnessock Forest King Imp

## Alfalfa and Tile Drains.

Editor of "The Farmer's Advocat
In reply to the "uestion "will alfalfa root block tile drains?" I may report a little exper years on one field that is tile-drained; cut four years yielding heavy crops, and have noticed no hrains are three feet deep, The soil is clay loam.. a good fall. I chanced to meet the apart, with who dug those drains and said "say that is a do field of alfaila your brother has up there, but a lot seeded with allalfa for three years. Last spring my neighbor complained that his cellar they thought it must be the alfalfa ronts, so the dug it up and found it more or less blocked all the way across, some places completely filled. Prevapplication of manure each year, eight to twelve loads to the threo-quarter-acre. The soil is a free loam, the drain is about two and a half feet deep. from the first, but still the made rapid growth would not he without it. for on this threa guarter acre of alfalfa and one-quarter acre of timothy he
fed one borse and colt, two milch cows until
drain was not near any trees or anything but the
alfalfa. lfalfa.
Huron Co., Ont. $\qquad$ R. C. McGOWAN

Peat for Organic Manure.
A cheap method of obtaining organic artificial
manure has been discovered in England. It has been found that by the treatment of ordinar moss litter " with bacteria, an organic manure is cormed, a ton of which, it is claimed, is worth has been found that the insoluble humic acid present in large quantities in peat can be readily converted into soluble humate by the action of Peat, after treatment
sterilized, and then inoculated with a culture is nitrogen-fixing organisms. This prepared peai can then be used for soil inoculation, either 'by
direct application to the soil, on preparing it a culture solution.
Experiments made dernonstrate the remarkable effect which this peat hes on plant growth. A prepared peat gave an increase of 54 extract of over another untreated plot. It has been tried. gave the following increases : Lettuce, and it cent. ; turnips, 23 per cent., and potatoes, 41 per cent. Ordinary organic manure is getting scarcer in England, owing to the sulsititution of horsec by motor-drawn vehicles, and peat, it was stated,

## THE DAIRY.

## Tarmers and the Milk Question.

The vexing mirmer question seems to again b
the retail milk dealer in Toronto. The pre-
sident of the Retall
Milk Dealers' AssociaMilk Dealers' Association made a statemen recently to the effec
that he could all the milk that ho desired at $\$ 1.60$ per eight-gallon can. If
the Hutaif Milk Deal ors' Association is aule to do so, sureny this is margin of protit for
the farmer or producer, the farmer or produce
wao has hard and lon Who has hard and long
hours for the mere pit hours ior the mere pi-
tance lett hilin from his
sule of milk at $\$ 1.60$ sule of milk at $\$ 1.60$
per eight-gallon can af-
ter paying expenses ter paying expenses
such as cost of cows such as cost of cows,
hay, ensilage, roots,
meai, stabling, labor and cartage to the re
tail dealers' depot Tasing the president at his own word, the re-
tai dealer geis $\$ 3.20$ per eight galion can
Uurtainly he has his own expenses to meet
out of this, but they cannot be as heavy as
those which the farmer or producer has to meet. Herefore behooves the farmer to protect his canngt the farmers of Ontario, not only the dalry farmers but all the farmers, get together to meet this situation? It is a well-known fact that all the retallers of milk are combined against the farmers to beat them down in price, and they can
only be met and argued with successfully bv the farmers co-operating as a strong body with com mon cause of complaint, instead of allowing on or two of the more energetic to fight put a losing
battle from the commencement for the rest. Ir, England a few years ago, a farmers' prote tion society was inaugurated which has row reached enormous proportions. For a certain
subscription yearly the farmer is allowed subscription yearly the farmer is allowed to par
ticipate in the benefits to be obtained by helong ing to such a society. The society is governed by a committee chosen annually from among the members, one man from each district, or branch
society, as the case may be. Each branch sosociety, as the case may be. Each branch so
ciety manages affairs in its own particular district, but anything of more than ordinary importance, such as the question under discussion, is referred to the head committee, which is thus in a position to deal with the purchaser. Be-
sides tacing up matters of this kind, this snciety also undertakes to protect the interests of its far-
mer inembers at all times, and empioys a barrib-
tor , whe recelven a certain retainor in connideration of his acting in any cases for members where lyagal
atd is necessary. Now, would not something atd is necessary. Now, would not something of
this kind be beneficial to the farming community of Ontario, and especially would it not have been of great use in an instanca like
Dairymen versus Retail Milk Dealers

As far as one can see, with perhaps a few exin Ontario out of farming. How many farmers find after marketing their produce that if thoy had only waited a week or two longer they could have got as much again for their sales, or perhaps vice yersa, they should have sold out againgt the prices offered by purchasers for their milk or beef or any other farm produce when these middlemen are united in their intention of pulling the farmers' price down ? Is it possible..
them to do so ? Have they not, in a sense, them to do so ? Have they not, in a sense, to
take what the middlemen care to offer ? There is one answer to all this, the farmer in all cases is entirely in the hands of the purchaser of his commodities, who very often as a member of a hand, as in the case of the recent milk situation. How much better the farmers would be if they were united in one society and that society took amicable settlement, shipped the milk to other cities, where the chance of the farmer getting a fair price for it was more favorable. WMV. HOGL®.
York Co., Ont.

## Beginning the Dairy Business

ditor The Farmer's Advocate
All successful farms are individual in their ystems of management, usually bechuse the men men of enthusiasm, brains, and hard work with an eye clear to see every opening. In almost very instance chance governed the choice of location, and the kind of farming that they folpossibilities of their farms. and made their work go hand in hand with their laborious days of
Every man, to be successful on the farm must have an idea that will work out under his surrounding conditions. Semmee a want ander can il afford to scatter his forces. He must know his opportunity, when it comes to him. He must folfurnishes. This is the solution of why some men are successful milk producers, and others are noted growers of swine; why some go into the
horse industry, and others into the raising of horse industry, and
beef-producing cattle.
The old adage, "Be sure you're right, then go
ahead" is directly applicable to the case of the ahead" is directly applicable to the case of the man who is going to start into dairying on a more or less extengive sceale. that success is at least well assured in almost any undertaking, and I shall completely ignore another old saw whlich suggests anythitions
In the first place, starting a dairy should be well considered before laying definite plans. The project should be talked over in the family. The
wife ought to have a chance to express her opinwife ought to have a chance to express her opin-
ion, and her ideas may usually be depended on to be not far out of the way on any question of importance. If there are growing boys in the family talk it over with them also, for their as
sistence will be needed in the milking and the care of the cows. If there are no boys is there other help which can be relied upon by hiring,
or will the owner have to do most of the work himself? Is there a shipping station conveniently
located, or is there a good market other ways, located, or is there a good market other ways,
or is there a cheese factory or creamery within a reasonable distance, so that long hauls may be
avoided? Are the roads reasonably good be avoided ? Are the roads reasonably good be-
tween the farm and the place where the milk will have to be hauled'? In spring and fall when rosts make the roads bad, this means much to shine. If there are others on the route, and they combine to hire a man to do the hauling or take turns in doing it themselves this means heavie venience or inconvenience of shipping milk,
These things having been favorably passed up
n, let us see what surgestions will help the man on, let us see what, suggestions will help the man
who is just starting in the dairy industry He must not forget that upon himself individually rests the responstibility to a very laree extent
and his must be the brain to run the busines nd of it. Moreover be must be a man with a and something of a scientist to boot. for the day he ignnred. To attain success he must know o be willing to learn how to formulate a balancert
ration. He must be familiar with such subjects as deal with carbohydratos and proteid, and
know where to find them in the various foods
frowt upen the farm, as well as purchased, and animals Yet to the man of ordinary intelligence there the nothing of a scientific nature connected with the undertaking that need deter him from enter
ing upon it. It will sharpen his wits, it wil get him to thinking as 'will no other feature of agriculture with which I am familiar, and that is exactly what farmers need to do.
cattle to keep. is to decide upon the breed of high-priced stock If he is a poor man, buying though if it can be in any way managed, the purchase of one or two such animals will prove a. good investment. A good way is to buy a young calf or two of the breed selected. These chance to get a call cheaply may sometimes be found through people in town who keep but ono cow for family use. Another way is to buy an aged cow of good hreeding, which can usualy factory, however, as such are apt to be shy breeders. Having tried both plans, I would
recommend the purchase of well-bred heifer calves recommend the purchase of well-bred heifer calves
which may be had at moderate prices, considering their value.
Careful matter of breed is one worthy of much careful thought. What breed to select depends
something upon what disposal is to be made of the milk, also upon the personal preference of the individuall: If milk is to be sent to a condensary, the Holstein breed is all right, as these cows give
a large volume of milk. For the production of a large volume of milk. For the production of
butter-fat or where cream is to be sold, there is no question of the supremacy of the Jersey or the Guernsey. The man who decides upon either of these breeds with which to co into the dairy wants.


At An English Fair.
Dairy cattle yarded in open pens.

In breeding the cows the best pure-bred sire obtainable is, of course, the only kind to use.
He should be retained in the herd as long as possible. Frequent changes are not to be recomnended. Worst of all is the practice of using a Shorthorn or Red Poll the third. And one should not try his hand at improving his herd desirable. There are enough good animals to be had in any breed, and nothing will be gained by mixing them. It may be thought that by securing a Jersey-Shorthorn cross or a Jersey-Holstein
that the result would be a larger yield of rich milk, but this is not/the case. The breed selected is the one to stick to, and this should, in every case, be a pronounced, acknowledged dairy breed.
It is very important that the cows are tested rom the very beginning. The ribton cows ar thus detected and the best producers determined. would keep no cow that does not show better than a four per cent. test in a sutter or crean
dairy.
Johnson Coo, Ill. W. H. UNDERWOOD. Two patrons of a noted Ontario creamery noth members of a cow-testing association, a
the end of last. year had these records to study A. milking eight cows, sent a total of only 1, 360 pounds oi fat, B, With only five cows. sean 1.777 pounds. Dairymen in other sections are
invited to consider what this means. A. had nvited to consider what this means. A.
three cows more than B. to milk and feed al year, but received a smaller income than B. by quite ninety dollars. Nor is that all, for the
three extra cows consumed feed worth at least three extra cows consumed feed worth at leas
ninety dollars more, making another ninety do ninety dollars more, making amother ninety dol
lars that he was out." But one step further
A. worked hard milking those three extra cows
epending probably 200 houre more than B. on a thankless and profitless job. The cows were worth something as an investment, but it is
doubtful if they returned any interest on it ; some doubtful if they returned any interest ion it; some
allowance should be made for depreciation, even of this wonderfully inefficient cow "plant"; then stable accommodation had to be provided for them ; and the general care of the herd called for
some expenditure of thought and skill on the part of A. as general manager of his establishment. The deductions are; plain; however comforting a "guess", may be as to whether a cow, or a herd, "pays," there is nothing to take the place of actual dairy records. Further, whatever the pro-
duction af a herd may be, comparisons with other annual records should be made in order to see if

## HORTICULTURE.

## Ontario First

Ontario has won the diploma for best Provincial exhibit of fruit at the Canada Land and Apple Show held recently in Winnipeg. Readers
will remember that Ontario invaded the Cleveland show and carried off the sweepstakes against all other States and Provinces. Now, like Alexander; she will sit down and weep because she has win.

## Rash Courage.

We have heard it intimated that it was not as through to sell through an association as it is association are too cowardly to pack scabby and wormy apples in their
No. 1's and No. 2's. No grosser mistake comes to our attention than this. The executive of the association have in mind the future of their memsays, as local buyer him say, "Let every year stand on its own bottom,", not altogether a
very intelligent saying, very intelligent saying,
but it expresses exactly but it expresses exactly
his attitude regarding
the apple market. A the apple market. A letter from the fruit in-
spector does not affect spector does not affiect fy, if he can, by unlawful grading, dispose of a large quantity of defocalmost lost her Western
market to British Colmarket to British Col-
umbia and the United States through this very
injudicious practice on the part of apple packis entrenching herself in his lucrative market in the entrenching herself in moment to pour a quantity a courageous apples into the barrel and lose of infimaterior the market which honest packers are working so
hard to establish. Most buyers are honest and conscientious in their dealings, but there are a few of the old school who deserve the most scathing rebukes that are cast upon them. will tell you that "Honesty is the best policy, and when the difierent grades are better understood and the market and consumer have confidence the association through disturbed and trouble the ass.
times.

Stick By the Standard
Apple-packers should not think because fruit, kenerally speaking is thot think because fruit in quality that a 1 or No 2 ler ontain more scabby or wormy apparrel may could in 'previous years. The quality of these grades is established by law and applies one year after another. Many people amongst the consumers are willing to pay the price for a good arrel of apples, and it is abusing their confidNo. 2 barrel and brand it up to the standard. These grades have been established in order that a buyer may understand what he is getting. The packer's honeety in filling the barrels, and the would be unwise under these abnormal conditions to destroy the name and reputations which apple-
growers have heen working so hard to establish.

## Better Baskets Imperative.

Bad Baskets.
Eaitor "The Farmer's Alvets.
Under the heading, "Damage to Baskets", read in your issue of 9 th inst. an article showin ed in Montreal in a damaged state, and the eut in Montreal in a damaged statee, and the
writer suggests it is due to the packing in cars. think it is much more likely due to the interior
make of basket the fruit prowers had to put on
 very large demand for baskets this year, owing to not taking peaches. The basket factories had to make baskets as fast as possible, consequently they turned out a very inferior article, made o green wood, and in many cases the growers had to put the handles on themselves. I have seen
baskets literally fall to pieces in one's hand before they ever got into the car. M. TEESDALE.
Lincoln Co., Ont.

## Fancy Fixings.

A pulp paper placed next to the head of the barrel when the apples are being faced in and an would add considerably to the attractiveness of the fruit when opened up. One could go further
and place a lace-paper head on the face of the barrel just inside the pulp paper. . When the head comes out and the pulp paper comes off the ap-
ples are found encircled around by a nice lace paper. They are comparatively cheap when you a time when competition is strong they will re pay you many times. Under the heading of "Bad Baskets," a cor-
a xisted in divers districts this fall. Baskets have been hurriedly manufactured and the result has been bad baskets. In order to pack a large quantity of baskets in. a car the veneer must be tity piled above them. In many cases, they have not been able to do it this year, owing to carelessesess
be detrimental growing, as wet! as other smal fruits, if baskets selling point if the basket, as we have it now, selling point if the basket, as we have it now,
is the conve suce with which it may be conveyed from the store or dealer's stand the consum-
fri's home. This is the only point they have suer's home. The
perior to other forms of package which wauld be perior better containers for monell fruits. It was muek better containers this fill to see covers
not an uncommon thing the warp up when the hand was released from the top
of the Dasket. The ends of the covers were so weak and sides so frail that they wey hot hold Bither double ends or much stronger ends for the covers would be far more acceptable to the
gromers. Six-quart baskets landed on the Wingequers. Six-quart. baskets landed on the Win-
mipeg market in very good condition, because the package was compact enough to carry the layers pilith above them. The matter of buying with or
without handles rests with the user. $A$ reduction is usually made when baskets are sold "unwill stand much comment. Better quality of venere and more careful workmenship are prime requisites if the basket is to remain
package for small fruits in Ontario

Packing Number Threes
What effect the packing of thirds will have upon the market is somewhat problematical. In the market for good No. 1's and 2 's. It might be possible that an indiscriminate pack of thirds would have a like result this year, but it appears that, with so many good Spies, Kings, Baldwins Russets on the trees with only a scab of some sight defect to debar them from the No. 1 or No. 2 barrel, that some other pack could be
or devised for them, There is without doubt a place or them on the morket, but the trouble with packing thirds is, that there is no standard es ablished by lavy and one grower will not put up the good uuality that another will . So whe is
the consumer purchases a barrel of No. 3 's he is not sure whether he is getting a good barrel of wormy apples, or whether he is getting windfalls wormy apples, or whether he is getting wo tit fer cooking. If thirds are packed it would be
very wise, indeed, to pack so that the consumer very wise, indeed, to pack so that the consumer
would not be sorry that he had taken a chance on them.

Repair The Raspberres.
Past observations. will show you that the the cancs crop next summer will be produced on just passed. In order to keep the patch clean and free from disease and insects it is wise to have the old canes taken out and burned. This should be done shortly after the crop is harvested, for in that way the diseases which have become established on the old canes do not have the same chance to spread to the new canes that will be standing next year. Anthracnose, a disease which does considerable injury to raspberry canes, must be controlled largely in this way. The young canes will require some cutting back, but it is well to leave them until the winter's cold has done its worst, and you will be able to see What winter injury has occurred, and what lengths of the canes will have to be cut. off. The two girdles near the end of the cane and deposits its egg between the two, must be watched for when the clipping is being done. Fall plowing is not advisable in the raspberry patch. Late cul-
tivation forces new growth which will sunfer dour tivation forces new growth which will suffer dur-
ing the winter months. The cultivation should be most intense during the spring and summe weeks and one shourd depend upon that time to
keep down the weeds and conserve moisture.

At the annual meeting of the New York Fruit Growers' Association, to be held in Convention Hall, Rochester, N. Y., January 7, 8, 9, 1914, some excellent prizes are offered for fruit exhibits, ncluding a grand sweepstakes prize open to the world. This prize is $\$ 50.00$ for the best three boxes of apples. Canadian growers should go
after this premium Cold storage will be fur
nished nished.
retary.


Well Protected.

## POULTRY.

## The Canadian Hen to the Front.

 Readers of "The Farmer's Advocate" will bo interested to learn that Canada will be represent ed at the third National Egg-Laying Contest, to he held under State supervision at the Missouri Poultry Experiment Station, Mountain Grove Ho. The splendid record made by Canadia hite Wyandottes in the first International Egg Laying Contest, held at Storrs College, Conn. where they beat 35 pens of Leghorns, and all Rocks, Rhote Island Reds, Orpingtons and other breeds entered, has caused the Missourl State Board, to send an invitation to the McLeod Bros Beulah Farm, Stoney Creek, Ont., for one pen their "Snow-White" Wyandottes to compete with the world's best layers for one year, beginning December 1st, 1913, and ending November 30th 1914. This invitation has been accepted and thi esting, as Beulah Farm holds the pen record White Wyandotes, with an average of 214 egks per hen in one year, and also the high individual record by their Show-the queen of 247 egg in one year. These totals taken from the officialreports at Storrs College, Conn., show what a advance has been made as compared with the Government report, which states that the average ben only lays 80 eggs per year

Co-operative Egg Marketing in Dundas County.
Dundas County was one of the first in the Dundas County was one of the first in the
Province of Ontario to accept the improved method of marketing eggs, namely, by means of egg circles, or selling on a co-operative basis.
In 1911 this movement was started by the then district representative, A. D. Campbeil, assiistod by local poultrymen, among whom were R. H.
Ashton Samuel Smith, W. G. Robertson, Edwih Thompson, Charles Hansom, John w. Marcollus better care of eggs, wand alive to the need of marketing the products of the poultry industry, which about this time was beginning to interest the farmers in the county, The result of the
effort was the forming of an association, to bo

Morrisburg.
The folio
The following is a partial. outline of the
constitution under which the Assoctation worke. The objects of the Association are to develop the pouiltry industry; to improve breeds and ention on egg production and the marketing of eggs and opgltry; to promote lectures and prace
tical instruction and generally to moet the growing demand for eggs and poultry, especially
in winter. The offioers consist of a Prosident Vice-President, Socretary-Treasurer, a contral Exxautive Committee with Branchee and Candling Stations. Members subscribe 25 cents por annum
to the branches. The Central Executive Committee in composed of the President. Vice-President and Secretary-Treasurer of the Association, and the
President, Vice-President and Secretary-Treasurer of the different Branches. These are vested.with the control of the work of the Association. The Executive Committee of each Branch consiats of a President, Vice-President, Secretary-Treasuner
and a Cominittee of three, all elected annually and a Cominittee of three, all elected annually,
and each Branch is required to pay an applicaand each Branch is required to pay an applica-
tion fee of ten cents per member per annum to
the Association. Each the Association. Each
Branch has the power to
transact its own bueliness in the marketing of ogg and such business as does the Association. Branchee
are established where are established where sus ed. The Association meets annualily in February, All
Branches are named and Branches are named and
operated to further a aysoperated collection of egys.
te secure the best quali-
to section to secure the best quali-
ties of table poultry, and
to obtain the best possible for both classes of
produce. Any member produce. Any member
found guilty of unfair practices may be expulled
by a confrmed two-thirds
majority of the Commitmajority of the Commit-
tee. Members deliver all
eggs produced by their
hens with the hens with the exception
of those needed for home consumption,
ill-shaped
eggs. acidentally found, emall,
Eggs must be per fectly clean and not over seven day
old. The current local price is paid to producers when marketing, and the maridin be
tween this and the sale price is held, and, after ween this and the sale price is held, and, after ers monthly in accordance with the quantity and the quality of the eggs supplied. All mem their registered number so that they may mark their eggs, the cost price being paid ly the mem-
ber. Arrangements are made with those members willing to keep pens of pure-bred birds and first crosses to supply eggs for hatching or stock birds at reasonable prices; and arrangements are made by the central or parent association with
large manufacturers of poultry foods and appliances to supply all members at a low rate. During the first year of operation four circles were organized, and the eggs marketed through second year six circles marketed over $\$ 8,000.00$ and lin the present year there are twelve circles
which will market a total of about $\$ 30,000.00$ which will market a total of about $\$ 30,000.00$
worth of eggs. It is not difficult to see the benefits derived from an organization of this kfind, as ovidenced by its growth from year to year. What was once considered a necessary side line for house of the farm. And the farmers are building taken in producing poultry houses, greater care is as a result, more money is pald for the and, The círcles ship direct to Montreal produce mer chants and sell on a quality basls, taking Mom-
treal grading, which averaged about 85 per comit

Presh eggs. Firms handling our eggs are all re In the year 1912 the members of the Associa tion realized a profit of 12 per cent. above local store prices, which were higher than they woulc
have been had our circles not been in existence have been had our cirsess not been in existence the market was of high standard; had eggs were practically done away with, as in the whole year
only 17 dozen bad eggs were shipped, and the only 1 Egg circles as yet are only in their infancy and, in the opinion of the writer, this method o marketing eggs is the best as yet brought for tity, and if the producers of eggs all over Canad would adopt this method of marketing, a great 17 national waste, which is considered to be about saved, and as we are not producing enough egg for home consumption it is very important that we should be anxious to do all in our power
build up the poultry industry. Dundas Co., Ont.

## FARM BULLETIN.

Crop Estimates Lower
A bulletin issued Oct. 13th by the Census and Statistics Office of the Department of Trade and Commerce gives a provisional estimate of the yletd of the principal grain crops and also average quality of these crops at harvest time.

During the month ended September 30 ideal weather for the ingathering of the grain crops prevalied all over Canada. In the greater par of Ontario and in the Western Provinces harvest dle operations wore well completed by the and the Maritime Provinces, where the spring comes later, was harvesting carried on during the latter end of the month
The estimates given a month ago are slightly greater than those now issued, which may be presumed to be based more or less on results of threshing. The final estimates, hased on threshing results and calculated on correct
will be issued as usual on Decamber 15.
For spring wheat the estimpate for the end of September is $188,468,000$ bushels, as comper with $182,840,000$ bushels last year For fell wheat the estimate is $19,107,000$ bushels as oaginst $16,3966,000$ bushels last year and 18 , 481,000 bushels in the'preliminary estimate this year. The total estimated wheat production this year is therefore $207,575,000$ bushels as compared with $199,236,000$ bushels last year, an increase of $8,339,000$ bushels, or $4 \frac{1}{2}$ per cent. The yield per acre for all wheat is 21.15 bushe's, as compared with 20.42 bushels last year. Oats show a total yield of $391,418,000$ bushels and an aver age yield of 40.57 bushe.s, as compared with $361,733,000$ bushels and an average yield of 39.25 bushels. Bariey gives an estimated total
yield of $44,348,000$ bushels and an a.erage of 31.00 bushels yield ocre, as compared a.erage 011,000 bushels and an average of 31.10 bushels in 1912. For this year the total production of rye is $2,559,000$ bushels, of peas $3,974,000$ bush
els, of buckwheat $7,600,000$ bushels els, of buckwheat $7,600,000$ bushels, of tlax 14 ,
912,000 bush 1 , of mixed grains $17,178,000$ 912,000 bush 1 l , of mixed grains $17,178,000$
bushels, of corn for hus ing $14,086,000$ bushels, of beans 989,500 bushels, as compared with a total yieid last year for rye of 2,593,0no bushels,
for peas of $3,773,500$ bushels. for buc whint for peas of 3,773,500 bushels. for buc , wh at oi
$10,193,000$ bushels, for tlax of $21,681,500$ bishels, for mixed grains of $17,952,000$ bushels, for corn
for husking of $16,569,800$ bushels, for beans of for husking of 16
$1,040,800$ bushels.
1,040,800 bushels
For the three Northwest Provinces the total yield of spring wheat is estimated at $183,852,000$
bushels, of fall wheat at $5,264,000$ bus iels, of oats at $239,595,000$ bushels, of barley at 27 904,000 bushels,
The average quality of these crops measured
upon a per cent. basis of 100 as ripresinting grain well headed, well filled, well sared and un affected to any appreciable extent by frost, rust,
smut, etc., is as follows: Spring wheat $\$ 9.17$ smut, etc, ${ }^{2}$ is as follows: Spring wheat 89.17
oats 90.52 , barley 88.25 , rye. 85.41 , peas 81.71 , beans 78.48 , buckwheat 73.40 , mixed , qrains
90.59 , flax 82.68 , corn for husking 75.16 , is these, , wheat, oats, barley and rye are above the average quality for either of the last
The potato and root crops continue good figures, as renresenting average condition
during growth. 83.59, turnips 82.62, mangolds 83.64, sugar
beets 82.63 . $\quad \begin{aligned} & \text { ARCHIBALD BLJUE, }\end{aligned}$
$l$

Chief Officer.

## Prince Edward Island Notes.

Editor "The Farmer's Advocate
The weather the first two weeks in October was very warm for the time of year, the temper ature averaging about 65 . There has been cons derable rainfall. Harvesting in the lower-lying Octions was not yet completed by the middle o October. There was a lot of grain out and some and the amount pastures are particuariy good and creamories is time of year Thes much better than was expected. is turning out tions the vields aro'very heavy, The some sec tories are paying 35 c . per 100 lbs , The marke price for shipping is $!30$ c. to 350 . a bushel.
The exhibitions are over, and were a very bi success, all being favored with fine weather few local shows are yet to be held.
R. Robertson and w. J. Reid, of the Provincial Department of Agriculture, have been addressing meetings in several parts of the Pro Association soling members for the Stock Breeder veterinarian. Dr fr macNillan has been engaged as
duct Breeders' Associations. On Friday, October
sociation was formed with the following officers T. P. Cass, North River, president; G. W. W Cameron, Augustine Cove, and George Wright, of
Lower Montague, as vice-presidents; Alex. Mac Lower Montague, as vice-presidents; Alex. Mac
Beath, Marshfield, and James MacDonald North Bedeque, directors.
The addition
The addition to the Agricultural Hall 18 well
under way, and will be ready when the School of Agriculture opens in November.
Already there have been quite a number of plications for the Long Course, and it is exppect
ed lthat upwards of twenty will be in attendance

## Weldwood Work

Autumn is a busy season on any farm, and Weldwood is no exception to the rule. The fin warm weather during the latter parts of Spptembig corn harvest a weeks of Octaber made the rain made plowing ansure, but the absence of However, as places and barley ground not seeded dow ofi, the oat over lightly with the plow, and thas skimmed and harrows used to pork and the cultivato This land has iust been cross olop down ine ed up very well indeed. The land heing heavy order, this last plowing has been done in thround two rods wide and water furrows rum spring to carry off surface water and hasten after harvest seldom petowed or cultivated earl wil. not tase hold, the finely-worked top soil pre venting evaporation.
The early September frosts did not whiten the corn to such an extent as was noticeable on many felds in the neighnorhood. For this we cannot ly high ground. This was the only point in it jury was we noticed that in low spots the in tion of twenty warked, but on the greater por varieties, viz. Bailey, Leaming wheluding six consin Wion Sta Gap, Wis low, only the tips of the leavees, were "hongfel green portions of the leaves in the uninjured ripen up the corn very well. ©f the six varieties 1.ontre low, as would be expected, was fare farthes
advanced toward maturity advanced toward maturity when cut ing com-
menced, September 22nd. was, as its name implias, the greenest. Evergreen
was second in line of maturity was second in line of maturity, with Leaming fol
Oowing closely. White Cap and Wisconsin Nol owng closely. White Cap and Wisconsin No.
were not so ripe and about equal. All varietie were wel corbe and ahout equal. All varieties noticraile, but the greater number of stalks had
 was little dififerey was good, hand in fact there suct. With the exception of Longfellow, which pave a lighter crop of stalks. The Longfellow
and Bailey are being husked, and 40 feet, was filled from the other varieties, re
in quiring about 15 acres to do it. This would
seem as though the crop was light, but not srell as though the crop was light, but not so Was filled, well tramped, allowed to settle and $r$
filled. All told, the filling took about one and
ne-half days, the last being put in Monday, Oc ober 6th
Eight acres and one-half of winter wheat were
own September 12th. It has cter well, but the weather has been very dry fairly portion of the land had a dressing of farmyard manure and several kinds of artificial fertilizer are being tried
A plot of alfalfa was left for seed and also
two strips of red clover. A very profuse wo strips of red clover. A very profuse second
rrowth came on in the former, and after careful examination it was decided to pasture it, as the seed did not seem plentiful enough to warrant harvesting for threshing and it was too far advanced to make good hay. Much the same conseed was present in the heads ripened from the early blossoms, but there was such a large proportion of aftergrowth with no seed, present that Neither of these fields will be pastured too closoly and more seed will undoubtedly go back on the soil and the clover tramped down should be a help
A fev roots are yet to harvest, but the main at the rate of about three acres daily with done single, walking plows.
The old house on the farm has been moved and pen and old ing reconstructed inside. Details of these opera tions will be given later

## Cows Sell Well in British Columbia.

 ay that grade dairy cattle are selling well in the Western Province Graner selfing well in of grade dairy animals on Oct. 9th. This is said o be one of the best herds in that Province Eighty-five head were sold, individual animals go ing as high as $\$ 217.00$, several selling for over $\$ 200$ each and many above $\$ 150$. Fifty-five of the eighty-five head sold made over one hundned dollars cach and the average for the toighty The correspondentignment of con shipped to British Cle bought in Ontario an shipped to British Columbia by the Government composed of an inferior lot of animals. The British Columbia Live Stock Branch had these cat-
tle purchased in Ontario and shipped Westminster, where they were sold by auction, the highest price being $\$ 155$ for a Holstein grade, Shorthorn grade making the second highest pric but the greater number of them sold at prices ranging from $\$ 70$ to $\$ 90$ each.

## Highways Investigation.

ow investigating rovincial Highways Commission States, plan to hold several incers in the United centres in this Province during the coming win er. County and municipal representatives will e asked to be present and state their opinions on road construction and maintenance, as these questions apply to their'particular districts. The first meeting will be held in Ottawa October 28th when representatives from surrounding counties will be presint. The second meeting is to be held in Bel:eville November 4th and another will
be heid in Hainilton November 11th, a fourth held t London December November 11th, a fourth held ment Buildings, Toronto, January 13the Parliafol owing week the final meeting will be held at Guelph. These meetings will cover the Province thoroughly, and each county will'have a chance

The number of young men taking the regular course at the Ontario Agricultural College this 430 students in the four before. There are now the number freshmen. Whenses, with about hal gone over it showed 321 nen register was las four from Quebec, three from from Ontario eight from Nova Scotia, three from Mrunswick, from Alberta, iour from Saskatchewan, 22 from British Columbia, 21 from England, one from
Scotland, one froun Ireland, 11 from the United States, three from Soland, 11 from the United ico, India, Germany, British West rach Indiam Mlex sia. Truly this is a cosmopolitan aggregation Rus young agriculturists. The fame of Ontario'

## OCTOBER 23, 1913

A Potato Experiment.

## Editor

 In the spring of 1913 we determined to try an experiment as to the best method of planting poexpense we were looking for. An acre of good loam was selected and this was divided into four equal portions. Each plot was numbered and received different treatment. The variety used was pink called Chili Garnet. It usually gives good returns and is a first-class potato. The seed was sown at the rate of twenty bushels per acre. Plot A was plowed in the spring and received a dressing of a special potato ferticizer at eight hundred pounds per acre. Plot B was also plowed and received barnyard manure at the rate of twelve tons per acre. Plot C was treated exactly as plot B, except that with the grain sown on the land the previous spring clover seed at the rate of sixteen pounds per acre which wown and this fowed under in the spring. Plot was given a dressing of artificial fertilizers in the following combinations at the rate of six hun dredweight per acre- 37.5 pounds nitrate of soda,75 pounds acid phosphate and 37.5 pounds sul75 pounds acid phosphate and 37.5 pounds sul-
phate of potash. This land raised a crop of oats in 1912 which yielded 40 bushels per acre. The land previous to the oat crop received a dressing
of ten tons stable manure. The portion known as plot C was sown with four pounds clover seed.
So far as could be learned without actual urement the part of oats where the clover was sown appeared to be fully as good as that where no clover grew.
The seed used consisted of sets each cut with at least two good eyes. They were planted in
rows thirty inches apart and about twelve inches apart in the row, each set being planted singly and not in hills. The furrows were opened and ground was rolled with a light roller and then

tervals of ten days till the tops grew so large as
to be injured by the tramping of horses. They
were also troubled with the beetles, but two were also troubled with the beetles, but two
sprayings of Paris beng done. As the cultivation and spraying was the same on all the plots it was not taken into
At the time of digging plot A yielded at the rate of 280 bushels per acre, plot B 290 bushels,
plot C 325 bushels and plot D 300 bushels per plot.
acre.
Fro

From the foregoing it will be seen that the ready-mixed fertilizer. This might be due to several reasons-first, the fertilizer itself may have been inferior or improperly mixed or it may not The highest yield was from the plot fertilized with clover and manure. The difference betwean
the two plots which were dressed with barnyard manure showed in favor of the clover-treated plot to the extent of 45 bushels per acre. The next highest yiold was from the plot treated with home-mixed artificial manure containing the propThounts of lertilizing elements
ows. Plot A, 70 bushels at 50 c . was as fol
 30.00 per ton, $\$ 3.00$; profit on plot A $\$ 32.00$ Plot B, 72 i bushels at $50 \mathrm{c} ., \mathrm{S} \$ 26.25 ; 3$ tons
barnyard manure at $\$ 1.00$ per ton, $\$ 3.00$; profit on plot B equals $\$ 33.25$.
Plot B, $72 \frac{1}{2}$ bushels at $50 \mathrm{c} ., \$ 36.25 ; 3$ tons
manure and 4 lbs clover seed totalled $\$ 3.80$; profit on plot C, $\$ 38.95$.
Plot D, 75 bushels at $50 \mathrm{c}, \$ 3750$. $\$ 3.80$ Plot D, 75 bushels at $50 \mathrm{c} ., \$ 37.50$; cost of
37.5 lbs. nitrate soda, $\$ 1.15 ; 75$ lbs. acid phos37.5 lbs. nitrate soda, $\$ 1.15 ; 75$ lbs. acid phos-
phate, 75 c. . 37.5 lhs. sulphate of potash, $\$ 1.20$; total cost of fertilizers, $\$ 3.10$; profit on plot $D$
$\$ 34.40$. $\underset{\text { From }}{\$ 34.40 .}$
From these figures it is apparent that the use plot from. $\$ 33.25$ to $\$ 36.95$. On an acre of
prond the sowing ground the sowing of sixteen pounds of clover would thus result in a profit of $\$ 14.80$ over and
above the cost of seed. The results obtained by the use of home-mixed fertilizers were also very good.

John Bright's Shorthorn Dispersion hrecding of Shorthorn cattle was the dispersion sale of John Bright's herd at Myrtle, Ontario, October 16 th . A great crowd of over one thous-
and breeders and interested admirers gathered at and breeders and interested admirers gathered at the siplendid farm to witness the end of one of
Canada's oldest and best herds. The stock offered was in good field condition, and, while the average price of the offering was not high, it
must be remembered that a number of the cattle must be remembered that a number of the cattle
were under one-year-old and others were getting were under one-year-old and others were getting
along in years, having been retained in the herd because of superior breeding qualities. Twentyeight head sold, including three bulls, and
twenty-five females brought a total of $\$ 3,900$, an
 Ten head of the offering brought $\$ 150$ or over. The following is a list of those selling for $\$ 100$ Huntlywood Vanora, T. Hail, Brooklin.......... 8180 Myrtle Vanora, G. H. Linton, Toronto......... 270 Miss Ramsden 141st, G. Christie, Manchester 140 Miss Ramssiden 142nd, Arthur Howden, 160 Rosemary of the Manor, F. Richardi.............. 160 Umbus ........ ............................ Duchess of Gloster D. Canadian Farm, Pick- 12 Canering .............. ............ ......... ................. day, Brooklin ............................... 11 Duchess of Gloster A. 4th, F. Richardson...... 87
Duchess of Gloster B., G. H. Linton............ 120 Jubilee Jilt, Robt. Miller, Stouffille........... 100
Rose (impt. F. W. Hodgson, North Bettle. Rose (imp.), F. W. Hodgson. North Battle- 17 Jilt of Ontario, Arthur Howden................... 100 Counsellor, James Cook, Myrtle.................... 180
Sunshine, John Miller, Jr., Ashburn.,........ 180 Sunny Queen, F. W. Hodgson.......... Oakwood Maid, S. Slack, Claremont... Bessie's Queen, Geo. Ormiston
Fashion's Best, Thos. Hall ... Crimson Maud, F. W. Hodgson Crimson Maud 18th, F. W. Hodgson............. 160 Captain T. E. Robson, London,

## Two Live-stock Markets at Montreal.

BRITISH EXPORTS DWINDLE.
$\qquad$ export busincss from Canada to Great Britain has. practically ceased. A few years ago a
flourishing trade in the export of beef cattle was done at Montreal, but for a variety of reasons very few cattle are now carried from Canada to the other side of the Atlantic. This means that the attention of the local markets is pretty well
centred on supplies for domestic use, export to the United States and to the West for finishing. Montreal has two cattle markets. One is located at Montreal East and is 'fed by the Canadian Pa-
cific. It occupies an area of twenty acres and is cific. It occupies an area of twenty acres and is
a mile or more from the water front. It is easily reached from the downtown district by car.
The second market is at Point St . ICharles and is led by the Grand Trunk. It occupies twenty-five acres. It also can be easily reached from the market days. On Monday the market is held at the East End Yards and on Wednesday at Point A number of years ago Canada was an important raiser and exporter of live stock, especi-
ally of beef cattle. Only ten years ago thousands of fine cattle were brought into the Mont-
real market from the Eastern Townships of Quebec, arket we the bulk of the receipts at this and the Prairia Provinces, especially Alberta. A
few years ago the Dominion Government adopted a policy to encourage the dairying industry, and
a good deal of of Agriculture was devoted to'this line. Cold storage vessels were provided for shipping dairy
products across the ocean, and in consequence Canada made a big advance in the dairying in-
dustry. The result was, however, that an increasing number of farmers went into this busi-
ness to the neglect of the beef-attle branch. WESTERN CATTLE IN Tl, SUPPLY. of a vertical line were drawn anada at Belleville, it would the map
the section that 1 ying east of this line no longer raisses sufficient cattle to supply its owh lo requirer
ments. In other words, WWestern Ontario, South-
ern Altherta ments. In other words, Western Ontario, South-
ern Alberta and a portion of Northern Alberta
not on'y supply the beef cattle required for the
Westurn half Western half of the beef cattle required for the
Canada but also supply Eastern
as many cattle as they require and surflus the conntry may have in any year. Cat-
most entirely for dairying purposes and when they have served their purpose as milk-producing ma-
chlnes they are fit for nothing but the canners. TRANSPORTATION CHARGES HEAVIER. Shippers blame the transportation companies cattle-export part of the falling off in the Montrea steamshin compasiness. They. deim that the ranch of export and have charged rates that rarely eunble the local shippars to compete with the exporter from Portland. They claim that alo and thence by rail to Portland and across to Great Britain for less money than if the ship ment were made from Toronto to Liverpool via ontreal. The transportation companies on the the high premiums they are compelled to pay the insurance companies and also by the fact that they are, as a rule, compelled to return light from tivercool, whereas vessels leaving American ports As the local market has now become almost purely a domestic market, there is no variation when big shipments of live stock were made from here to Liverpool the open season of navigatio navigation the export market was transferred to Halifax and St. John.

|  | A good deal of live stock is shipped to Montreal from various points and then sent away to |
| :---: | :---: |
|  |  |
|  | to |
|  | ander the new American tariff live stock is now |
|  |  |
|  | cattle dealers think this will have important rasults for Canadian breeders of cattle. There will |
|  |  |
|  | be a big immadiate increase in the exports of live stock from Canada, as prices in the States have |
|  |  |
|  | been so high of late that American buyers have |
|  |  |
|  |  |
|  | of a nrotectiveand Canadians |
|  |  |
|  | 俍 right |
|  |  |
|  | for live stock will encourage more farmers to go |
|  |  |
|  | in for this branch, 'and as the number of breeders incomen the trend of prices will be downward. |
|  |  |
|  |  |

United States and the opinion prevails in Mont-
real that the high prices likely to be offering this
winter for Canadian live siock will come down vinter for Can however, prices will be high dis Great Britain will now have to bid up in order to get adequate mea supplie

OPERATORS AND YARD CHARGES.
The Fast End Cattle Market is owned and market at Point $\mathbf{S t}$. Charles is owned by the Montreal Stook Yards Co., and the controlling interest in this company is held by the William Strachan estate. Commission men operating on these markets buy as weug them. All the consignor has to do is to send his carload or smaller shipments to one of these firms, whose men look after the selling, and after deducting their com mission and paying yardage and veed charges, case with most markets, many shippers accom pany their stock.
The selling charges are as follows, Cattle, ner carload, $\$ 12.00$; sheep, lambe and hoge, calves, \$12.00. The stock yards charge a uniform rate for
Feerling all classes of animals. This amounts to $\$ 30$ per ton. In addition there is a municipal ax of 20c. per head for yardage, and if the per head for this. These charges are said to be about double the charges in Toronto.
Some idea may be gained of the receipts of
live stock at the Montreal markets in the course ive stock at the Montreal markets in the course tember 13,800 cattle, 12,769 sheep and lambs, 6,166 calves and 10,285 hogs were received at the C. P. R. cattle market. Approximately, the same numb Some of the larger commission houses operat-
ing in the live stock markets of Montreal are : Price \& Coughiin, W. W. Craig, D. A. Campbell, cal, Fred. Montreuil.
The largest buyers for local consumption are the big packing houses, viz., Matthews-Laing,
William Davies Co., Montreal Abattoirs, Master-
man Pa
P. Gow is manager or the
. P. F. Gow is manager of the C. P. R. live
stock market and Frank H. Carling is manager of
the Montreal Stock Yards Co.

## Autumn in Oxford County.

 Autumn everywhere appeared to have a contented countenance. The trees that all summer gave shade to the languid animals and tired pieo ple have burst forth in a profusion of colors that defies reproduction by the most. skillful of artiste, Then the leaves fall to protect the roots of the grent tree, which gave them birth, and nourish hildren ore another year. in the cowns the and romp larough the rusting leaved tends unconcorned and winde the old tree year it will be young and green again and even ive to see the little ones grow old and gray hed with verdurelarvest is now completed on the farm. Those belated with silo-illing are watching it settle in fragmentary remains on the stubble. Dry as it has been after-tillage has been practiced and some fall plowing has commenced. Fall patchy stand in the westerced. counties of Ontario is tolerably good in Oxford county.
A striking scene which meets
A striking scene which meets the eye is the creameries or factories. Many people, ${ }^{\circ}$ the from going too heavily into dairying on account
of the improvement required in their buisdinge, of the impnovement required in their buididinge, apparently a surplus to the good. Milking machines are being installed in some fow stables to save the family from what is considered the arduous tapic of timiking twenty or thirty cows. These machines are operated with gasolone ongines or
electric power, and are gtving sattsaction. farmers of Oxford county consider it proititable to have the cows freshen in the fall. They can, with silage, roots and clover, maintain a good cows go on freeh pasture they increase their flow again. Boginning the month of November the
condensers wilh pay $\$ 1.60$ per hundred for good condensers will pay 81.60 por hundred for good
milik, but in summer months it diminishes
conmilk, but in summer months it diminishes con-
siderably. This circumistance adds much to the profit of the winter's heary flow. Further from the towns the customary route handling is still in
vogue, but what "impresses one most is the up-todate appearance of the farms and buildings where at herd of milkers in the fields show their owners
to be dairymen. In the vicinity of Ingersall and Woodstook "hydro"' is being thoroughly tested this \&all. Threshing, filling silos, grinding and operations requiring less power have been done
with electricity. The labor serious here, but from the inventions and provements that are making their appearance in
rural and farm operations the solutlon will evenrural and farm operations the solution winl ev
tually come and conditions will be alleviated.

Autumn and Winter Care of Cows. Just now, when cows are about to begin their
long season in the stable, the advice on autumn Iong seasen in the stable, the advice on autumn
and
onder care, and winter care, as given in the new bulletin,
alikl Production in Canadeo, is timely. Prof.
Grisdale Grisdale points out that cows are led in the stable during one-half of the year or more, and
leeding during this period may through ignorance Teeding during this period may tarough ignorance
or on account of using unsuitable forage, voluntarily, be made very expensivve. The profts from the herd will of course, dopend to al large ex-
tent on the economy of the methods of winter tent on the economy of then methots of winter
feeding followed.
Economical teoding mean scant supplies, but the using of the kinds of feeds and feedi combinations that will be likely to produce the best results at the lowest cost. Aty the milk produced depends upon the quaneflort should be made to supply the cow with all
she will eat of adation easy digestibility, a ration comblining palatability, or the milk flow
Observation and experimental work at the
Central Experimental Frim past twelve or thirteen years lead IProf. Grisdale hours of feeding as the most important factors making for palatability and high digestilility of By succulence is meant iuiciness or a high per-
centage of water in the feed. Giving an abundant supply of water for use nlonk with abum
feed will not have the same oflect ns cansur dry cow to take the water as a part of her food
illustrate: 100 tos. of fresh pasture grass include as much as 85 trse. or mare of wattr an an
only 15 los. or less of dry matter. This 100 of pasture. grass fed green is. however, as pron
by experiment, worth considerably more than
 she dry grass and the cow allowed to drink
of water along with the dry gra :lmost any kind of dry mater, and diorest

Succulence in the winter ration may be secured in severall ways. The most common, and the most advantageous from the standpoints of low use of ensilage. Roots of various kinds are owever, largely used, and are very valuable for the purpose. Where both the above are lacking. or hay und sprinkling freely with water a few ours or even a couple of days before feeding. Adaling about 20 per cent. of feed molasses to , greatly. Where ensilage is aveilable, it is well nsile from 8 to 12 ths. chaff with each 100 tos. ensilage. This should be done some little time
before feeding to insure the chaif being moistened. Variety in the ration fed the dairy cow adds pealatable. Variety in this by rendering it mor must not be taken to mean feeding one kind of leed to-day, a dififerent feed or combination of day. Variety in feeding the dairy cow must te day. Variety in feeding the dairy cow must be
secured by combining in the ration, which should be the same or practically the same from day to day, as many different kinds of roughage and
meals or concentrates as it is found convenient or possible to include. Feeding a meal mixture made up of oats, harley, bran, ofil-cake meal and corn is likely to give better results than a meal mixture of similar foeding value from a chemical and much letter results than feeding bran alone. The mixture of meals improves the flavor thus rendering the meal more palatable and hence
more digestible. Palatabillity in a greatly to digestibility. Improved digestibility means increased effectiveness. The value of variety in the feed is thus apparent.
These remarks must not be taken to mean, mixture once compounded, no ghages or a meal It is possible to have two or three quite different mixtures on the go at the same time, provided always that the same feed be fod at the same hour each day. That is, one might feed silage,
straw and meal in the morning, and roots, straw, hay and bran in the evening or vice versa. It
will not do, however, to feed ensilage in the will not do, however, to feed ensilage in the morning one day and in the evening of the next.
It or any other feed should always be fed at the same hour.
The stage at which the various forage crops
 and aroma. Early-cut hay is not only superior
in composition to the late-cut article, but is much more pleasant in aroma and artico, bute aceptable in flovor. The same may be said of most
forage crops. the early-cut. well-cured forage crops, tho early-cut, well-cured forage
plant of practically every description is muct superior to the late-cut badly-cured plant of the same species.
Freshly-ground grain is always more palatable than long-ground material, and will give better resules the best feeds, that is, the most palat alle feeds, in the morning. Give less acceptable feecls at night or outside in racks or in some such way as will leave the eating of the same a
matter of amusement or a pastime, as it were mather ot amusement or a pastime, as it were,
rather than a duty or a necessity.
The cow
cow eate such things best when she really does not
need to eat them, and what is mory
sults for the extra feed consumed even though it Some feeders claine to to be necessary to fee several times each day. A common practice is o feed morning, noon, and night. A satisfac tory method as tried at Ottawa has been to feed
as follows: Succulent roughage mixture meal mixture first thing in the morning, hay after that is cleaned up. This is repeated for the en silage and meal mixture about 3 p.m. The hay
is fed after the cows are all milked about 5.30 p. $\frac{\mathrm{m}}{\text { Experiments }}$ extending over some years to de termine the relative merits of dividing the ration to indicate that when the same portions seemed samo kinds of feed was fed in two portions it gave just as good results as when fed in three or
more portions. A certain h
to feed each portion, and that hour should be adhered to most strictly Any temporary variation is sure to resuit in a falling orr in
milk. Anything likely to irritate the cow render her uneasy is almost certain to injuriona y affect the milk flow.
The requirements of the milch cow in the way produced and the more feed consumed, the greater is likely to be the amount of water required This amount may vary from, say, 75 pounds up oo even
period.
The problems of por in a single
The period. The prohlems or how to water, when to
water and how much water to give, can leest be solved by allowing the cow free access to water at all times. The wator had hetter be warmed in winter, but, if it is not convenient to store it
in $a^{\text {a warm place, it will not pay to warm it }}$, artiscially.
The
individual
drinking fountain is provably The individual drinking fountain is probably
the lest method, but the trough filled periodical1 l and washed out frequently has many advopurposes after feeding is practiced in some stables, but our experience would lead us to confactory from the stand point of comert less satismals than the individual bucket. But of one thing care should be taken. no matter what the troughs or water supnly cloan and the cups or Salt is necessary to the comfort and health of the dairy cow. The quantity to feed will vary Irom an ounce to three or four ounces a day.
It might, as in the case of the calt it might, as in the case of the calf, be given fin
the form of rock salt in the manger, but had better be fer daily in the food. It adds to the palatability of a food, hence is valuable as an appetizer, Rs a food and as a stomachic.
Exercise when taken "immeriately conducive to milk production. not the contrary, anything that might be called exertion is practically certain to lower the millis flow temporarily. It would, however, we unwise
to say that the dairy cise while producing milk. It is probable exerthe allowing of $a$ moderate amount of exercise
will have $a$ beneficial effect upon the health of will have a beneficial effect upon the health of
the animal, and almost certain that such exercise will advantageouslv effect the offsmrine. Turning the cow out in cold winter weather, however, to
shiver, if only for hill shiver, if only for half an hour a day, in, the
winter winds, is likely to prove anything but winter winds, is likely to prove anything but
healthful to the cow, economical to the farmer or hdvantageous to the breeder.


Ringlet 9th

Corm Growing on the Prairie. We go down into the United. States, and we
hear, You can 't grow corn in Canada.", But
He know we can. sey to the Westerner, "You cannot grow corn in say to the Westerner, You cannot grow corn in
Manitoba, Alberta or Saskatchewan,"
but the foliowing taken from The Farmer's Advocate and Home Journal, Winnipeg, Manitoba, is proof of
the fact that corn as a crop is increasing in favor the fact that, corn as a crop is increasing in favor
in the West. Here is what our contemporary says:
Is corn a desirable crop for Weatern Canada? Does corn fill a gap now empty in stock farming ?
Is corn possible under our climatic conditions ? These three yuestions may be asked in all serswered in the affirmative, but in the minds many the third question is shrouded with doubt. There may be some districts of the West where This may be in the very alkali parts or in dry districts. Outside of some special sections of the country there is no good reason why the crop
should not become more popular. We have seen should not becone more popular. We have seen
this crop grown successfully on the Alberta Government Demonstration Farm at Medicine Hat, in
which district rainfall is very light. It is a popular crop on several farms in Saskatchewan, in-
cluding the Dominion Fxperimental Farm at Including the Dominion Experimental Farm at In-
dian Hearl and in Manitoba the people are becom, dian Hearl and in Manitoba the people
ing convinced of its great possilivilities
An editorial representative of The Farmer's Adoce ete visited H. H. L. Emmert's stock farmusome
miles east of Winnipeg, where the owner grew miles east of Winnipeg, where the owner grew
noerly 60 aeres of corn this season. It was in the milk stage in the forepart of September, stood an average of eight feet high and gave in-
dications of yielding at least 12 or 15 tons to the acre. This was seeded at 12 quarts per acre im rows. It was cut with a corn binder. Part of the crop was made into silage and the remain-
der shocked in the field. The owner of the farm could not be induced to carry his large amount of stock without this fodder crop.
On the Van Horne farm, where 15 acres of
corn had also been sown 12 quarts per acre in rows, the yield would be almost as much. This
field was not as mature but it would give a nice lot of palatable roughage. On account of not having a silo, the manin winter as needed. It is fed to the young stool and fattening cattle. It is Jod to the young stooks the Hartney district, the corn crop receives considerable attention on account of the enormous
amount of palatable roughage that it vields for amount of palatable roughage that it yields for
fall and winter feeding. His crop, not quite so heavy as the other crops, was cut with the dioinder and allowed to partially dry before being stooked, and when completely dry in the stook it
stacked, using alternate The cobs were well developed, being almost in the milk stage, although some were much farther advanced. The variety grown is Northwestern
Dent. The owner was highly elated with the about 20 acres of this fodder crop has been grown by J. R. Hume, in the Souris district, each year
for several years.
This stockman has not been so fortunate in getting large cobs well on to maacre. His corn is allowed to dry somewhat before stooking and is hauled to the barn as needed
Besides these few growers of corn there are many others who are highly satisfled with it. It
is raised at the Manitoba Agricultural College and also at the Rrandon Experimental Farm, where it is cut and put into a silo.
Tn Sosk Saskatchewan, the Indian Head ExperimenSaskatoon, are both crowing corn for silage sat-
isfactorily
B, trict, rrows corn for his dairy cattle, and luts it

Prince Atbert good crops of this cereat fodder can
be produced. miles south of that city, this year there was a good stand of corn on a small area. The stalks were fully seven feet high and the cobs well into
the milk stage in early August, clearly indicating he milk stage in early August, clearly indicating
the possibility of producing it in the north oountry for fodder purposes.
of Alberta is not ot so coder corn in the province
kown. It is peris no doubt but that it can ly. At the Medicine Hat Denonontration Farm last year a very ine crop was produced. The
plants wre not as tall and stalk as one wuld choice, palatable roughage.
These e examples are sufficient to indicate that These examples are sufficient to indicate that
corn has great possibblities in Western Canada, and are a satisfactory feed for young stock dairy no uncertain terns. They have tried, at first, with some uncertainty as to results, but it has quickly grown in popularity wherever used.
In tho past years stock
raising on limited areas has not been popular, the grain farmer predominating. As stock farming or diversified agriculture draws its ever-increasing trall of sup-
pnrters, some crop palatable and of cood food value must be produced for winter roughage. The
corn plant fullv answers the purpose, and percorn plant fully answers the purpose, and per-
haps to better adden haps to better advantage than other crops.
The great rivals of corn fodder as winter roughage are green sheaver and clovers with
roots to suppdy succulence. None of these foods can be produced in as large quantitios, and with
the same labor per acre as the corn crop. The the same labor per acre as the corn crop. The
fodder per acre of green sheaves is comparatively light and as feed it is not as palatable. Clovers also require a larger acreage and are perhaps not quite as reliable, although of a higher food value.
Roots are useful and palatable but they require a large amount of labor and should be employed plant canction with other roughages. The corn better supplemented by hay or by hay and roots. Many feoders, however, supply dairy and beef lent results. It is due to its palatability, its heavy yield per acre, and its excellent food value
that this crop is so hilghly esteemed as a winter roughage. It takes the place to a large extent of the green nourithing pastures that are the besis of growh an The corn plant has other uses and valuable phes. As a supplement to late summer and fall ern country the hot weather during July and
August qenerally causes a material depreciation of our grasses as pasture. About that time the Corn plants are fairly well developed and if cut iaily as needed and given to the cattlo, espocialduction. Even on into the fall corn mas be
 plied daily to the stock. Besides belig the great
feed that it is, corn is a cleaning crop of no mean value if it is properly looked after during the growing season.
The Executive of the National Live-Stook Horticultural and Dairy Exabibition, to be held
in Toronto November 17 th to 22 nd, is said to be meeting with considerable opposition from the Board of the Canadian National Exhibition, some members of which claim that the new show
is in too many lines similar to the annual Sepis in too many lines similar to the anual sepbuildings may not he used for any show simillar to it. Matters will, no doubt, be righted soon,
and the new show open under the most favorable and the new show open under the
circumstances.

The British South Arrica Company is sald to be taking steps to make Rhodesia a great cattle ranching co
beef supply.

Crown Lands to Be Grazed in British Columbia. Hon. W. R. Rose, Minister of Lands for policy" for that province. It lis designed to utilitze the forage now going to waste on unoc-
cupied crown lands, and to encourage the Hvecupled crown 1 ands, and to encouraige
stock industry of the Western Province. The range areas of the Province are to bo divided into natural grazing districts suitable Ror stock will be allowed to graze in numbers up to the quantity the rango can carry without sufiorling granted by means of annual grazing permits. granch will specily, among other things, the kind
and quantity of stock, and the localty on whiloh and quantity of stock, and the locality on whioh
 annum for cattle and two conts lor shas. These charges are merely nominal,
the intention of the Goverrment to
industry until it is well estanilished bron industry until it is wall estanilse of the pritile Naturally the actual settler, and rancher, mint be ensured the use of the range, and will, there Iore, receive first consideration in the issuance of
 time for both settler and stookman

Pig Shortage in Ireland.
The scarcity of pligs in freland in recont
monthe has sent up the price of bacon abnormel my. In 1912 Ireland recoived $\$ 22,500,000$ tor ite exports of manufactured bacon, and \$6,500,000
for its pigs, shipped from several ports. Theoe for its pigs, shipped trom several ports. These
Ggures are lower than those for previous Joers. Agures are lower then estrange anomaly about the Irioh pis trade, Iile the Itrish butter trade, 18 that whilo the country sent out nuarly $\$ 80,000,000$ worth
it epent $\$ 10,000,000$ 竍 the It spent $\$ 10,000,000$ of that money on lorelemb
cured beoon, hams, and porlic. In the
 pligs in the local market and out of the proceede bringing home forelgn-cured bacon for himeor and
his family. A deepatch from Dublin taxa: The his limily. A deaspatch from Dublin saxa: The
Iribh bacon industry needis development secily. The essentials of any proatable trade in beoce:
curing include a regular supply of roliekle pligs. curing include a regular supply of reliakle ples.
and this can only be obtained in Ireland by and rhis can only be obtained in the induastry on couraging th.
proper lines.
Bean Grop Light in Kent County. A Kent County Ontario correspondent writee that the ylield of boana this year will not average over ton busheld per acrei. The cauge, to season which dro
said to be good.
Fire destroyed the large barn at the Central Experimental Farm, Ottawa. cluding meal of many kinds, straw, hay, allage
 worth probatily from 34,000 to 30,000 . Th The barn will be rebuilt. at once. Two elle are to be up before the severe winter weather
comes on. Young stock is to we wintered in comes
sheds.
Toronto Hivo-stock markot experienoed the heaviest single day's run in its history last weok Canadian cattle were reported as gluttihg the market in Chicago, over 1,000 head from thit country being dilsposed of in a stingle day ovor
there. Canadian Lecon hoga were also miling there. Canadia.
well at Chicago.
Markets.

Toronto. Receipts at the Union Stock-yards, West
Toronto, on Monday, October 20th, numToronto, on Munday, october 2oth, num-
bered 201 cars, ommprising 4.51 , catte,
208 hogs, 1,681 sheep and lambs, 396 alves, and 18 horses. Trade was slow;
(uality of cattle medium to



REVIEN OF LAST WEER'S MARKETS
The total receipts of live stock at the
$\left\lvert\, \begin{aligned} & \text { City and Union } \\ & \text { were as follows: }\end{aligned}\right.$

## The combined receipt

 cars, 12,559 cattle, 205 hogs, 83 sheop
and lambs, 1,188 calves, compared with the corr
of 1912. For some time provious
of the duty upon catt United States from Canada, entering the
were much were much larger than other years at the
Toronto livestock markets, but since the removal of the duty they have fust about
doubled. Prices, which advanced doubled. Prices, which advanced about
40c. per cwt. for the previous weal, have 40c. per cwt. Ror the previous weak, have
Just about heid steady during the past week. Dealers itform us that cattlie are
selling on the Toronto market at as high selling on the Toronto market at as hagh
prices as on the Buffalo market, except-

Willing to pay as much as the Americans.
Fat cattle of all classeanare quite as high
in Toronto as in in Bufalo, quality con-
aldered. Prices in and elaseen of itht
stock durring the past wook have changed
very lition

 Export Cattlo.-Swift \& Company, of
Chicago, bought 100 export steors, averChicago, bought 100 export steors, , verer-
anige 1,1212 lbs. each, at 87.88 average aging
price. ${ }^{\text {and }}$ There were four choles atteors bought for the Buffalo market at 88 per
cwt., and there were two two-year-old steers, $1,510 \mathrm{lbs}$ each, ,old at $\$ 8.25$ per
wt . The
were.
 Butchers'. -Good to ehoteo butchery'
sold at 86.80 to $\$ 7.20$; miedium butchers


 to $\$ 10$ per cwt.; good calvees, at $\$ 8$ to stock heiliers, \$4.85 to $\$ 4.80$.
Milikera, and springers.-Receipts were very frme at $\$ 55$ was equal, and pricea price roported last wook was $\$ 1110$, and ono at s995. The bulk of the cows sold Om $\$ 85$ to $\$ 75$ each
the priteen of veal calves, the change in
ling prictive of veal calves, the market be
Inem all week. On Wed-
noeday, on account of a liberal run, the
markot was a little easier, but prices did
not decline. Choice calves sold at $\$ 9$
to to $\$ 10$ per cwt.; good calves, at $\$ 8$ to
$\$ 9$; medium calves, at $\$ 7$ to $\$ 8$; com\$9; medium calves, at $\$ 7$ to $\$ 8$; com-
mion, at $\$ 5.50$ to $\$ 6.75$, and rough, Eastera caives, sold at $\$ 4$ to $\$ 5$.
to $\$ 5.25$; Lams and , Sheep sold at $\$ 3.5$ Lambs sold at $\$ 7$ to $\$ 7.75$; bucks 75 c . per heed lees.
Hogs.-Select
at $\$ 8.75$; and \&. . fed and watered, sold at
$\$ 9$
$\$ 8.75$ weighed off ear ears.

## bREADSTUFFS.

 cober shipments, from Fort William, No 1 northern, 88jc.; No. 2 northern, 87 c c .
Oats. O Ontario, new, white, 83 c . to 84 c . outside; 85c. to 38c., track, Toronto ports.
Rye.-No. 2, 61e. to 62 c., outside. Peas-No. 2, 85c., outside.

2, 52e. to 58c., ou Barloy.-For malting, 56
foed, 48c. to 46 c ., outside.
Oorn.-American, No. 2 .
Midland;
80 Midland; 80 ie., track. Toronto.
Flour.-Ontario, minety-perf-cent. wheart four, new. $\$ 3.80$ to $\$ 3.70$; bulk eababord. Manitobe flour-Prices at To ronto are: First pationts, ${ }^{85.50}$; secon
patents, 85 ; in cotton, 10c. more; atrong patents, \$5; in cotton,
hay and molifeed.
Hay.-Baled, car lots, traok, Toronto,
$\$ 18$ to $\$ 18.50$ for No. 1: No.

Btraw.-Baled, car lots, track, Toronto Bran, -Manitoba, $\$ 22$ to $\$ 23$ in bags,
treck, Toronto; shorts, $\$ 24$ to $\$ 25$; Ontrack, Toronto; shorts, $\$ 24$ to $\$ 25$; On-
tarlo bran, $\$ 22$ to $\$ 28$ in bags; shorts, 24 to $\$ 25$; middlings, $\$ 25$ to $\$ 28$. hides and skin
No. 1 inspected steers and cows, 13 c .;
No. 2 inspected steers and cows, 12 c .; city hides, 14 lc c.; country hides, cured, 18 cc. ; calf skins, per lb., 16 cc .; lamb skins and pelts, 65c.; horse hair, 85 c . to
87 c. , horse
hallow, No. No. 1, $\$ 3.50$ to $\$ 4$; COUNTRY PRODUCE Butter.-Market firm. Creamery pound
olls, 28c. to 29 c .; creamery solids, 27 c . to 28 c .; separator dairy, 25 c . to 27 c .; Eggs. - New-laid, 35c., in case lots;
eelects, Cheose.-Oid, large, 15c.; twins, $15 \ddagger \mathrm{c}$.; new, large, 14 cc .; twins, 14 kc .
Honey. 11 c, Extrected, 10 c . per dozen sections, $\$ 2.50$ to $\$ 3$. Beans.-Imported, hand - picked, $\$ 2.25$;
Canadian, 1912 crop, hand-picked, Canadian, 1912 crop, hand-picked, $\$ 1.75$
to $\$ 1.90$; primes, $\$ 1.65$; Canadian, 1918 to \$1.90; primes, $\$ 1.65$; Canadian, 1913
crop, hand-picked, $\$ 2.10$ to $\$ 2.25$. erop, hand-picked, $\$ 2.10$ to $\$ 2.25$.
Poultry.-Receipts last week were liberal, and prices easier. Chickens, alive,
18c. to 14c. per lb.; ducks, 12c. to 13c.; hens, 10c. to 11c. per lb.
Potatoes.-Car lots of Ortario pot Potatoes.-Car lots of Ortario pot
oes, on track, Toronto, 7oc. to 80 c. TORONTO SEED MARKET.
Alsike, No. 1, per bushel, $\$ 7.75$ to
$\$ 8.00$ alsike, No. 2 , per bushel, $\$ 6.50$ to $\$ 7.50 ;$ alsike
$\$ 5.00$ to $\$ 5.50$.
FRUITS AI
FRUITS and vegetables.
Receipts of fruits and vegetables
season have been liberal, and pric
ranged as follows: $\begin{aligned} & \text { peaches, } 25 \mathrm{c}\end{aligned} \mathrm{a}$, to 50c.; plums, 40 c . to $60 \mathrm{c} . ;$ cantaloupe
crate, $\$ 1.50$ to $\$ 2 ; 35 \mathrm{c}$. to 50 c . per ba
ket; apples, 30 c . ket; apples, 30 c . to 40 c c., and $\$ 1.75$
$\$ 3$ per barrel; pears, 30 c . to 60 c .;


85c., quinces, basket, 40c. to 60c.;
cumbers, 25 c, to
$\$ 1.50$ per basket.
TOc.j. gherkins, $\$ 1$ TORONTO HORSE MARKET tive e \& few car lots having been disposed of. The sales made were principally
heavy horses for heavy horses for the lumber woods, one
load having been shipped to Ottawa and
one to Quebec ond having been shipped to Ottawa and
one to Quebec, and another of lighter
weights to Detroit. Michigan. Ther weights to Detroit, Minhingan. There Therer
was also a Rair local trade reported
Drafters and
 $\$ 150$ to $\$ 225$; drivers, $\$ 100$ to $\$ 175$, Morviceably sound, $\$ 30$ to $\$ 7$
Montreal.

## Live Stock.-Supplies of cattle were very large. This was attributed both to the active

## buyers and to demand from America

 there having been a failure in the cropin certain portions of Ont in certain portions of Ontario owing t.
the drouth. Common stock was in
larger supply than the finer qualities Carger supply than the finer qualitios,
Common bulls sold at atc. to 4 lc . per
lo., and cows at
3c. to 4 c .


 ranged down to 3c. per lib. Lambs were
firm, and prices ranged from 6yc. to 6atc. Arm, and prices ranged from 64c. to 6 anc.
per 1 lb ., while sheep were about 4c. for
Etraight lots. American buyers were still taking calves, and stock was being cleaned up at $\$ 3$ to $\$ 8$ each for com-
mon, while butchers $\$ 15$ each for the better qualities. Hogs were steady, at 9 c . per ll . for fores selects,
but advanced 25 c . per cwt. Oct. 20th. but advanced 25 c . per cwt. Oct. 20tet.
Hortses. - The feed problem is doubtless induring many farmers to to sell their
harses, and as a conseguence the tone hirses, and as a consequence the tone of
the market was easy. There has been the market was easy. There has been
some fair buying. Heavy draft horsees, weighing from 1, goo to to 1,700 lbs.. $\$ 300$ to $\$ 350$ each; light draft, 1,400 to 1,500
bse., $\$ 225$ to $\$ 800$ each; light horses 18s., $\$ 225$ to $\$ 800$ each; light horses,
1,000 to 1,100 llos., $\$ 125$ to $\$ 200$ each;
broken-down, old animals, $\$ 75$ to $\$ 12$. and choicest saddle and carriage animal $\$ 850$ to $\$ 500$ each.
Dressed Hogs.-The demand for freehkalled, abattoir-dressed hogs was only
fair, and prices were a little on the easy side, being 13 c . to 18 lc c. per 1 b . Potatoes,-The market was steady,
under a good demand. Green Mountains under a good demand. Green Mountains
were 70 c . to 75 cc . per bag, ex tracko jobbing prices being about 20c. higher, store. Bags weigh 90 lbe .
Honey and Syrup
choney and Syrup.-The market was un-
 7 cc to 8 8c. Tins of maple syrup sold wood was 7c. to 8c., and maple sugar Was 9 c. to 10 c . per 1 lb . continued active. Strictly fresh egg were quoted at 38c. to 40c. per dozen. dozen, and No. 1 candled 27 c . to 28 c .
while No. Butter.-Prices were steady, though in the country they were lower. Choice
creamery was quoted here at 27 tic. 28c. per lb, in a wholesale way, and
fine at 27 c . to 27 c c., while second grades were 26 f c . to 26 gc c. Dairy butter was Cheese.-The market for cheese showed
almost no change, being, however,
 Western, white or colored, and 12 g c. to
13c. for Eastern, colored, white being about ic. lower than colored. 2 Western Canada, 41 c . to 41 ta . pe. pe
bushel, ex store. No

 frst patents were quoted at $\$ 5.40$ per
barrel, in bays; seconds, $\$ 4.90$, si strong bakers', $\$ 4.70$. Ontario winter-
wheat flour was unchanged, at $\$ 4.60$ to
$\$ 1.75$ ner barrel Millfocd. -The market for millfeed wa
IBran was $\$ 22$ per ton, and shores $\$ 2$, in hags, while middlings wer
$\$ 2{ }^{2}$. includine hays. Mouille was $\$ 3$
to $\$ 32$ per ton for pure, and $\$ 28$ to $\$ 29$

horse hides ranging from $\mathbf{\$ 1 . 7 5}$ for No
2 , and $\$ 2.50$ each for No. 1 . Tallow
sold at 1 tc. to to 3 c . per 1 lb . for rough
and 5 c . to 6 kc . and 5c. to 6łc. for rendered.

## Buffalo.

$\qquad$ around 11,275 head, 5,850 head of which were Canadians. It was generally
Canadian supply atter Monday. On.Mon day a few scattering loads of Canadians were on offer, the best load of weighty,
sipping steers, seen here so far from the shipping steers, seen here so far from the
Doldinion being among the offerings, and
sold the highest price so far this sold for the highest price so far this year for grassers-the price bo bing $\$ 8.60$
ior a load averaging 1,438 lbs., and go ing to New York demand. They wore
the thickest. fat, weighty steers of the grass seen on the Buffalo market for
many months. A load of grain-fed Ohio many months. A load of grain-fed Ohi
steers, averaging a hundred pounds less but of harder flesh, sold at $\$ 8.70$, and a couple of loads of handy-weight steers,
averaging between 1,100 and 1,200 lbs making 88.6 . Handy-weight steers of less desirability and under eleven hun
dred, sold around $\$ 7.75$ to $\$ 8$, medium commoner, and very light ones, ranging on down to $\$ 6.50$ to $\$ 7$. In the heiles class, Monday, $\$ 7$ taking the best in this
line, a load of good weight Candins, averaging 875 lbs., reached $\$ 6.90$. Light $\$ 5.50$ to $\$ 5.75$, a pretty good kind fetch ing \$6 to $\$ 6.25$. About the best in the oull line in straight loads were Canadians, averaging 1,480 lbs., and bringing
$\$ 6.65$. Little, lighto stock bulls, sole from around $\$ 4.75$ to $\$ 5.25$, with some
medium kinds of grasy sausage bulls bringing from of $\$ 5.40$ to to $\$ 5.75$. Canad ers and feeders. a few Michigans, de
en horned, and of good breeding, sold last week up to $\$ 7.25$ to $\$ 7.50$, with the best dehorned, at $\$ 7.25$; other sales of best Canadian feeders, \$6.75 to $\$ 7$. Quite came in the bese beter quality feder border. Supply of fresh cows and springers, not large enough to meet the each. The market last week wes sati Yactory, considering liberal numbers
about the same kinds of sumf kinds in all divisions sold to better ad vantage than the less desirable ones. feeders-reds and roans-but some some the little, "monkey" kinds of stock heifer and steers, have been slow and dull sale
Trading in the fat-cattle about the same, best kinds showing good little, scinpy, heifer stuff, for killing pur-
pose, poses, sold lower by a quarter, and little
commonish bulls, showed as much of take-off. Week closed up stronger o
good butchering heifers of the order, and desirable, fat cows, medium
kinds of bulls showing about a quarter dechine over last week.
Hogs.- Hlog supply Friday last, 44,000. Market, compared with the previous week, showed higher
trade Monday and Tuesday, with prices since, winding up for the , week the
owest of the season, bulk lowest of the season, bulk of packers
selling Friday at $\$ 8.50$, selling Friday at $\$ 8.50$, a few decks
carrying quite a bit of weight, $\$ 8.60$. Sheep and Lambs.-Runs for week end cluded. Market lower, showing weak ness nearly every day during the week
on lambs, while sheep were steady the first four days, and lower on Friday
Rest lambs, $\$ 7.15$ to $\$ 7.30$; cull lambs $\$ 6.50$ down; skips, $\$ 5.50$ to $\$ 6$; wethers,
$\$ 5.25$ to $\$ 5.35 ;$ mixed sheep, $\$ 4.75$ to
$\$ 5.15$, $\$ .15 ;$ ewes, $\$ 4$ to $\$ 4.50$ generally; cull
sheen, from $\$ 3.50$ down. five calves for last week. Trade wa active nearly all week. Tops, $\$ 11.50 \mathrm{t}$
$\$ 12$, the latter figure being reached o
Friday. Culls, $\$ 10$ down. Canadions,

## Cheese Markets



Cattie.-Beeves, $\$ 6.80$ to $\$ 9.55$; Texa ers, $\$ 5.25$ to $\$ 7.65$; cows, and heifers-
$\$ 3.50$ to $\$ 8.80 ;$ calves, $\$ 7$ to $\$ 10$, Hogs.-Light; $\$ 7.75$ to $\$ 8.35$; mixe $\$ 7.80$ to $\$ 8.45 ;$ heavy, $\$ 7.70$ to mixed, $\$ 8.45$;
rough, $\$ 7.70$ to $\$ 7.85 ;$ pigs, $\$ 4.75$ to
Sheer

Sheep and Lambs.-Sheep ( native, $\$ 3.6$ to \$5; yearlings, $\$ 5$ to $\$ 6$; lambs, native
$\$ 5.75$ to $\$ 7.10$.

## Gossip.

Our readers are reminded that entrie for the great International Live-stoc Exhibition, to be held at the Union Stoci yards, Chicago, November 29 to Decen , Close November 1 .

Clydesdales for Canada were shippe Newmarket, Ont.; John Fisher, Ring wood, Ont. G. M John Fisher, Ring Ont.; Robert Sinton, Regina, Sask., an Michael Ryan, Toronto.
A. Watson \& Sons, St. Thomas, Ont inform us that they intend holding a dispersion sale in the near future, full announcement or which will be made later Advocate." Watch for it.

Complete prize lists for the Nationa) Live Stock, Horticultural and Dairy to horse are now ready and being mailed turalists and poultry fanciers all over Canada. Owing to some slight delay in getting the lists printed, the closing date for entries has been extended to Novem-
ber 5th. Since the preliminary list wa issued some time ago, inquiries for the couraging, with prospective exhibitors from Halifax to Vancouver. The organj zation of the show is ample to take care
of the largest number of exhibitore thet have ever participated in a live stock horticultural and dairy exhibition. The prizes are valuable, and worthy of keen
competition. Embracing as it does every branch of the great agricultural industry the show will attract an unusual cliontele of those who hitherto have not been able
to interest themselves in all branchea.

SCOTTISH SHORTHORN SALES. The annual auction sale of Shorthorns and John Marr, Uppermill, took Collynie, October 7 th , and were quite successful. calves average for the 25 Collynie bull the day was 900 , guineas, top price of $\$ 4,750$, for the roan April calf, Collynie Knight Victor, by Knight of Collynie, second highest price was 720 guines, The the red call, Collynnie Goldsmith, also by Knight of Collynie, to Henry Milnthorpe. 650 guiness by the same sire, sold for Knight, a red call, taken by Mr. Lawe Mains of Sanquhar. The average for 14 bull calves from the Uppermill herd was
£84, 15s., the highest price being 210 guineas, for the red, Bride's Favorite,
 110 guineas, for the red-roan, Lady
Dorothy. day of the herd of Captain A. T. Gordon was 250 guineas, ther price for a bull was 250 guineas, for the red four-year-
old, Astronomer, to J. D. Fletcher, of Rosehaugh. The top price for a female
was 520 guineas, for the roan three ear-old, Charity XIV, taken by Hon
Ir. Lewis, Hean Castle. Four hundrei Mr. Lewis, Hean Castie. Four hundred
guineas was the price, paid by Captain
Ogilby, for the roan five-year-old, Newton lipper III. The average for 100 head
old, was $£ 115$. The yearling old, was £115. The yearling heifer
Jealousy 9th, brought 300 guinens
week, 253 Shorthorns consigncd by 1,
breeders, averaged $£ 42$, 12s., the highes
price being 165 guineas.



Samuel de Champlain.
October.
Bright October, torch in hand,
And ahe touched a sumac spire
Then the bitaze or fred and yellow in the treesi,
Running riot, leapt and trembled in the
breeze.

Fair Virginia creper sprays
And from out the grass there came
Till at least the burnt- out leaves of
On the chillly wind of autumn futtered the chilly
down.
$\qquad$ -Lippincott'e.

Little Trips among the Eminent.
Men Notable in Canadian History. samuel de champlain.
[With acknowledgments to Bourinot, After the death of Cartier, the links in the chain of events connecting the old woakened Canad., wore, for time death of King Prancla, clivil wars gave France enough to do within her own borders, and it was not until Heary Iv was established upon the throne that interest again turned to the atrange nem and whose drase forests and tawny war tlon of the Arrat bold Europ ana adven-

When poace was inality eatablisbed, bold minds turned from wer to advensure. The mystery of the Great west was again calling, and amcing the arrat oo respond was the Marquis de la Roche. fot for glory alone, bowever, was the Marquis to dare the Northern Seas. He tad, no doubt, heard great tales of the
?ortunes being made by plicky traders,
yearly crossing the ocean and making way up the blue
furry harvest from the Indians at the mouth of the Saguenay, hence he barIn return, he was to colonize New France, and his dignity was to bn sustained by a list of titles that constituted him,
nominally at least, a veritable Ozar o the vest forest domains.
It was not, however, easy to man the
vessels-ovidently the wild waste of waters did not so tempt the working men, the men who must reef the salls
and load the supplies and carry the
ships well to their deatInetion-and ships well to their deatInetion-and
finally De La Roche was eompelled to
complete his crews With his convicts, then, he set sall, the vessels being so small that, it is, re corded, the sailors could reach over the
edge and wash their hands in the edge and wash their hands in the At
lantic. After weary days land hove in sight, the low, treacherous shores in sight, the low, treacherous shores of grave-yard of the Eastern Coast. Her
the Marquis landed, left forty of his crow (for what precise reason is not
told), then went on with a few of the Sollowers whom he could most trust. He
had promised to return, but \& storm arose that chased his ships back to In the meantime the convicts left
ashore on the island, as Parkman tells us, "rueful and desperate, wanderec
among the sandhills, through the stunted among the sandhills, through the stunted
whortleberry bushes, the rank sand-gras and the tangled eranberry vines. They caught fish, hunted Baron de Lery's willd
cattle (left ashore some years before). quarrelled, and murdered one another. In five years only twelve were alive, and when, at last, they were sent for and brought before Henry IV, they appeared
as wild men, clothed in shaggy ekins, as wild men, clothed in shaggy ekins, In the meantime, English fishing-cratt mingled with Breton, futtering tawny sails about the shores of Nowfound
land, and English adventurers made way land, and English adventurers made way
down the coast as far as the Now Eng land States. in search of the land of Norumbega. History, however, has
pessed over the names of these men, passed most part, only pausing to writo large those of the explorer Frobisher. who near the close of the 16 th century attempted to wrest the Becret of the Gillbert, who, during the elign of Eliza beth, took possession of Newfoundian with great ceremozy. in the harbor St. John's, erecting on the shore a pilla
emblazoned with the arms of the Queen Shortly afterwards, however, Glilbert wa wrecked at sea, o happy Rate, perhaps, if wait for his illustrious hall-brother Bir Walter Raleigh.
But to return, - Finally 1 leary IV of But to return, -Finally Meary IV of Irlend, Aymar de Chantes, Governor of Dieppe, for the colonization of Canadia,
permitted two more veseels to be aited pormitor a Weitern voyage. These, in charge of a rich merchant named ponk
grave oet sall from France in 1608, but more important than their sailijg, more important than the patent gived to Pont-
grave for the colonization of Canade. grave for the colonization of Canacta,
wes the fact that on board was Samuel de Chemplain.
Parkman, above all historians, verhape, hes peid glowing tribute to the event. "Long," he says, "before the ice-crusted pugged psalmody of the Puritan, the solis tudes of Western New York, and the
atern wilderness of Lake Huron were stern wilderness of Lake Huron wers
trodden by the fron heel of the soldier. and the sandalled foot of the Franciscan Priar. France was the true ploneer of the Great West. They who bore the
and indomitable, , and foremost on this all-forgotten name of Samuel de Cham-

It you were to visit Dieppe to-day, you would find there, carefully guarded, an dd old journal, written in clear, round ludicrous, maps and drawings, -the very journal, in truth, written by this remarlo. able man. Knowing that, you smile no ionger, but look at the yellowed, old
pages with awed reverence, and you appreciate the jealous care with which the books are guarded, for you know that in them is preserved, in spite of the writer's lapses into credulity, a very
iotable account of Canada's history in those early days. No journal was ever more minutely kept, the events of each memorable day belng carefully described,
while the crude maps, and drawings guiltless of art or perspective, serve at least to illuminate what might otherwise
be vague. So Champlain preserved the accounts. of Chis voyage to the west Indies /ind Mexico; olihise first voyage to the St. Lewrence (under the title "DDe Sauvages"); of his subsequent explora-
tions during $1618-16-17$, under the title of "Voyage do la. Nouvelle France", and narrative of later travels and dide "The father of New Frace."-But wn

Samuel de Champlain was bora $1 n$ 1567, at the little seaport town of
Brouage, on the Bay of Biscay. Hil ather was a captain in the navy, but he himself began life as soldier. Peace, however, transformed him into an ad
venturer and explorer. No ospurloue contentment" for him; he must neede exarcise his talent to the uttermost.
His talent 1-His indomitable will; his
prophetic imagination; his love of adven tures his plety; his enthuslasm.
Thus it was that ne frst visited the West Indios and Moxico, writing hle journal with meticulous care, adorning it
with colored pictures of ships, ports, islands, Indians, with birds, animalis, flowers, fishes, each in place, though
usually in sad defiance of proportion usually in sad defiance of proportion.
When at Panama, he oven conceived the Idea of a ship canal across the isthmus. an interesting item to remember in thit year of 1918, which has eeen the uniting
at that point of Atlantie and Pacinc. at that point of Atlantic and Pacinc.
Returning to Franee, he joined, as ha Reen eeen. the Pontgrave expedition, which sailled from Honffour in 1603, and
hencelorth we may follow henceforth we may follow him, by his
journal, across the Atlantic, up the St. journal, across the Atlantle, up the st
Lawrence, past the gleaming veil o Montmorenci, past the looming promontory at Quebec, past Cap Rouge, part
the Richelieu, until Hochelaga wa the Richelleu, until Hochelaga, wase
reached. Here, however, of the pelleadod town that Cartier had found, not a trace was left, but the camp of a fow Algonquins from the tried to go up the raplde above Montreal; but was not succeasful, and soon afterwards roturned to France
to find the good Aymar do Chate to find the god Aymar do Chartos, Rather of the expedition, dead.
Two months after Champlain's retura,
however, new company howover. a new company was formed, the company to colonize, on the unua
plan, in return for trading privilegen plan, in return for trading privileges.
One Sieur de Monta, Calvimist and friend of the King, was the leading spirit in the organization of thls company, and it went without saying that
Champlain should be one of the number when the ship set sall. For Nova Scotia, the "La Cadie" o
that day, it had been determined thi that day, it had been dotermined this
time, to steer, hence, before Champlain lay, a new land of dream, new adven(To be continued.)

The Windrow. Thare are six milition rivote tin the
gates of the Pannma Canal lockg. An ordinance against tipping hee bees
passed by the city of St . Louis Both Misoourl and Iowa are premerlio ing consolldated schools for rural dis.

## Mr. Lloyd Georgo's insurance plas.

 now beling put into ofteot in Eingland, provides ior public sanatoria wharetuberculove pextionts may recelvo firs care and treatment while tho steve

The coldest city in the world io eald to be Verkhoyannek in northera siberia. The average annual tomperature is eleche degrees ebove zero, and the winter reeFmell trivers treezs solld to the bottom, cold. Yet ta nummer the fomporature averagee afty-nine dogroee above sere
and vegotation fourlahes, though the
ground a fow faet below it mover theme out.
Some of the hest booke which are the
 ated into Ohinees. Sponcer, Husiey,
Darwin, John Stuart Mill, Adiam Bmith, Montesquieu, and Routiony aro fomiliar account of the literary excellence of the clanalces in worka, they have become of lew end poltticat sciti In the realm as Bryce's Amerticas Domitence, such bookit Lowell's "Governments and Parties in Cantinental Europe," Burgeop's "Pellis tional Law," Bluntiochis's "Lohire vom Modernen Staat." otc., are the ettendere teat books in. our sechools and colliegse. European languages is translatod from of overy Chinese home whome inmato claim acqualntance with the Ontione
 "Unclo Tom", Oabln." and Viotor Hugo's "Leos Mlararable", are familiar to most people, Dickema, Dumae and Athor meatere of Action aro moll known Alon of Shack, tpeno. Ohineme trample trom shaty icario is reed by avery doubt that in time the works. of the some of the worke of lorolem writery have oven boen dramatleod, evieh ane eth which can he and ith Pho Now Thentro on the Chinen Hupd serery foturdey
 bopoking thern muet be over e,000 belt trannlated into. Ohineee from the The average Chinepope and Amprice. with the averago lorolgner, to bethe

Nineteen hundred and thirtoen will go tional legistatlon in their intereet. Nepassing all former actlon, has markFirst record of the paot mine monthe protection to all migratory fing federal now the news from Wrachingtop that the importation of lenthers of wild birds ip to the United 8tates is forbidden by
action of congress. "This ir the greet est legislative victory ever won greeth
birds of the world," writes the the

Lefs of of the Mational Apeotiation of tueral to bring the featherara of wild




Ennisclare Flower Garden Competition.
Wo pubilish with pleasure the results of tion" for Halton County, Ont. Compet od and maintained by Mr. H. C. Cox. oron First Prize- Malis, Annie K . Lyons, 10 O., $\$ 38.8$ Prize.-Mrs. Frances Hunter
 Third Prize.-Miss
8elen Smellie,
Hen.
He 10.

## Hope's Quiet Hour.

## A Complaint.

Why am I forced to atay,
neoting here day by day Bug and bright mod free, How can I happy, be
So full of energy,
juat to lie here so still? the Answer.
Who died to set thee free ? Who has the right to say, "Lle atill, now, day by day?"
Lean on His loviny breast, There, there is perfect resi. liston, and hear Him say, Loarn where to cast each care; Loarp more to value prayer,
Give up that wayward will, Give up that wayward will. Listen to His "Be atill"; Whan He is over near? Ho wants you now to rest, HIS Will $\qquad$
The Happiness of the Sorrowful.
Behold, happy tis the man whom God
Theretore depepllise not thou the chastening Ho woundeth, ond this hands make whole Ho woundeth, dnd His hande mako whe For Ho maketh goro, and brdotht up;
Yoa, in meven there shall no evil touch


Wo eppeak harshly of "SJob's Comfort ars"-perhape because we are more famillar with the patriarch's worde. " "mige
erabole comfortera are yo alf 1 " then wo ero with the earneet worde with which his friende tried to show thiotr yympathy.
 trouble, as the aparks 的 upwerd." and io not do him the justion to read the out the blessedneesi of trouble. Wo speal of the Sermon on the Mount as beautiful and apiritual, we wild up the Beatitudee figuring earthly sorrow-and we have the same revelation here in our text. I have quoted the words as they are glven the
the R. V., not because there te any dill ference in the worde themselves, but bo cause they are arranged like pootit.
an convey a ilferent impresion.
Thare is plenty of trouble and pain Bble is the great Torch-light, gloriyyin the blackness. Propht, historian, an postle, ring the joy-belles to cheor sad rrvollous forputprinness of sorrow
artionkly welyhed against the far mor o be "Ilight" in comparison: it io made



Master-Teacher gathered up in wonderful
ords the light which shone froin the words the light which shone froin the Hininelf to be ""The Light,", brightening the live
It is folly to despise the Fatherly
chastening of God, "for whom the LORD Chastening of God, "For whom the LORD the son in whom he delighteth." the son in whom he delighteth." A
child who roams the street, uncorrected and uncared-for, has little cause to
launt his freedom in the face of one who launt his freedom in the face of one who
is guided, guarded, instructed, and punished, by wise and loving parents. The momentery freedom is 2 small thing compared with the great loss. No after-
discipline can fully make up for the wasted years when the nature was pliable and easily moulded. The child mas chefe under wise discipline sometimes, but he will-in good time-recognize its value.
Like truatful children, we may, and hould, accopt the chastening of our Father-no matter how incomprehensible
His dealings with us may be. We shall His dealings with us may be. We shall
miss the gain if we rebel against the rod. miss the gain if we rebel against the rod.
We all must endure chastening, because we are all the beloved chlldren of a wise Father; but sometimes we lose instead as gaining. Sorrow hardens one heart-
it softens another; it makes one person bitter and resentlul, while another shines rediantiy against the background of
gioom-having the Light of the World $\underset{\substack{\text { gioom- } \\ \text { within. }}}{\text { in }}$
Brave endurance of pain, and dally
struggle agalnat discouragement, can never be wasted. A fow days ago I young the story of Slisyphus used to trouble him. It was terrible to think of one who was doomed to the awful and meiningless punishment af forever rolling would seem to be near its accomplishment. and the top of the hill in sight. then the atone would fall again and all the work have to be done over agaid.
It seemed like wasted toil. But, the speaker said, I have learned that such wasted work is imposstble in God's
world. The worker may seem to fall, world. The worker may seem to fall,
over and over again; but the work itself over and over again; but the work itsel?
(Epart from success or failure) develops his muscle, and the continual "trying again" makee hlm resolute, patient, and
unconquerable in spirit. So, as last, he unconquerable in spirit. So, as last, he
censes to the an amateur and becomes a professional, and can easily push the heavy stune over the top of the hill.
Not only does he win the crown of victory. Not only does he win the crown of victory,
but he has gained immeasurably in many but he has galned immeasurably in many
ways, just because the victory waf tremendously hard to win. Hapry are they that mourn: for they shall be strengthened.
We miss the force of our Lord's secund Beatitude when we fair to pour into
that great word "comported" ita full ly-that we in. fer to escape the "inourning," and then we can do quite well
without the "comfort." But, when we
remember that "comforted" means "strengthened," as well as admitted into suffers, and with all his white - robed army of followers, we are not so weak and childish as to refuse the eternal gain
because of our desire for present "He that refuseth correction despiseth his own soul," says the wise man.. What priceless thing which endures.
Browning says that man is as clay, Potter. The clay seems so perishable,
so valueless, and yet so easily shapedwhile it is yet unhardened. But the
wheel-that great wheel of Time with stop at last, and the clay, which seemed dure-the clasey and the potter, man and Cod. If He is to make us beautiful
eternally, if He is to perfect the children eternally, if He is to perfect the children
He loves. we must co-operate with Hlm in the shaping of our future. We are not at the mercy of blind Fate or Chance.
Not one tiniest drop of bitterness in our cup of human happlness need be wasted medicine for our pin-sick seuls. Not one touch of the Master's careful hands on our hearts-hearts softened by pain-but
should mould some line of beauty in us If the pain is doing us no good, or if it is doing us harm, then it is our fault, not God's.
We often
We often think of our Lord's terrible
message to lukewarm, uninterested message to lukewarm, uninterested mem-
bers of the Church: "Because thou art lukewarm, and neither cold nor hot, I
 wo accept gratefung the remainder of He offers true and refined gold to those who are poor, yet think themselves rich.
He offers white raiment of purity to He offers white raiment of purity to
those whose sins have left them naked, and yet who are unconscious of their shame. He offors eye-salve to those who think they can see, but have missed the
One Light able to scatter the darkness of this life. Then He pleads, with wonderful tenderness, for the trust and fellowship of these lukewarm disciples, , "aying: "As many as I love, I rebuke and pent. Behold, 1 stand at the door and knock: it any man hear My voore, and
open the door, I whll come in open the door, I will come in to him,
and will sup with bim, and he with Mo and will sup with bim, and he with Me ,
To him that overcometh will I grant to sit with Me in My throne, even as I also overcame, and am set down with My
Father in His throne." He endured, and became the Great Oon-
querer, how can we unless we also accept the cup of sorrow offered by our Father ? We are not so
foolish as to despise as valuelest Poolish as to despise as valueless the
perfecting of our own selves. Then can hank God for the pain He has riven.
It is a great privilege to be allowed to It is a great privilege to be allowed to ohie helpfill word unless I knew the mean-
says: "What a wondertul thing it in such as ours, God sefide ur comport, and
never lets us forget His love for wa, never lets us forget' His love for us."'
Hiven the God who made us could not get near enough to our heerts to siatisty work and suffer, as we are called to do Shall we grudge the pain which bring
us nearer to Him in satistying fellow us nea
ship?
her must thaink "A Country Woman" for her generous and self-denying gift of $\$ 0$.
"for the poor and needy." ning to divide it among three or four poor and suffering women. I am sure or she "Country Woman". has suffered Good Samiaritan to those wounded be rades who are unknown to her' by name. One glad day she will be surprised to ar the king saying to her: "I we an hungered, and ye gave Me m

$$
\begin{aligned}
& \text { dye took Me in."' } \\
& \text { DORA FARNCOMB. }
\end{aligned}
$$

## The Ingle Nook.

TR lese for correapondence in this and other De
Datmenta
(1) Kindly write on one side of pon




Dear Ingle Nook Friends, -Just a budge of helpful hints to-day, picked up from here and there, and everywhere." Hav

## Cooking Meat

Now that the winter is in sight, the again, for with the cold weather one' appetite for them usually revives,-and rich in lat, our greatest heat-producer Even lean meat contains a certain pro of it embedded among its fibre must be whonked palatable, however, mea be spoiled in the hands of ary carelese as well nor tasto as delicious as should. And yet just to remember fow slmple principles is sufficient. When roasting or boiling meat, the aim
is to keep the juices in so that the meat will retain all of Its rich flavor and yel be as tender as possible. if you put plece of meat into "just warim" water" will soon see the fuice beginning to oozo out and waste itsell, hence this should be lesson enough that this is not the who has made the observation will next time put the mear into madly - bolling water, or into a very hot oven and watc results. In this case she sees that th juices are comparatively well retained:but there is something else to be con beiling water of a very hot in madil meat is sure to become rather hard and tasteless throughout; it does not cut with fectly-done piece right way is first to sear the outside thoroughly-Maria Parloa says 15 min-
utes fast boiling or fast baking is not

OCTOBER 23, 1913
THE FARMEI'S ADVOCATE
too long to begin with-then reauce tne
heent to o lower degree so that slow but
ateady cooking will finish the roast or steady cooking will finish the roast or
boil. When roasting meat, alweys set he roast on a rack, and, after the searing process has been concluded and the
meat is brown all over, pour some hot water into the pan and use it for bast-
ing frequently. This will make the meat ing frequently. This will make the mea noiled ham need long simmering, and should before being removed. Uncover th
cold bate
pot while the water is cooling, and coo as rapidly as possible
An ordinary "boil" of beef, corned beef,
or tongue. usually requires about five hours of slow, steady simmering atte the searing process has been completed;
if over ten or twelve pounds, an extra hour should be allowed.
When making stews, the object is rounded by a sort of gravy flavored with is somewhat similar. Put some dripping into a kettle, and when it is "smoking blue," drop in the geraps of raw meat,
turning them about until they are brown and have their juices fairly well bortled
in. If onion is to be added; brown the slices next, then pour in water and add whatever vegetables you wish, cut in bits.
Keep the stew simmering (Temp. 202 F .) and never, never let it boil, for "a stew
boiled is a stew spoilled." Several hours of this slow cooking will not harm, your
stew in the least. Keep the cover pushed
off little to let the gases escape until your dumplings, if any, are added; then,
of course, the ket covered. Never add salt to stewing
meat until it is nearly cooked, as it has meat unct to harden the fibre.
Fowle as a to to cook, but if at all tough may be
given two or turkey wa
sionilly a
to escape to escape with her life tor several sea-
sons, comes to the pot, and then some sons, comes to the pot, and then some
mancouvering is necessary. Steam her,
however, for a day, then bake her as usual, and you need not be surprised if people pratse your "chicken."
Frying is the least wholesome method
of cooking meat, especially if it be sizzled slowly in a littile fat, but, a
nicely-cooked beefsteak or chop is not nicely-cooked beefsteak or chop is not
to be despised. Have the pan very hot, then cook steadily. Mutton and pork may even be rarely done, if liked that how pink the inside may be, the outside should be very brown. prejudice against
Many people have a preje than a veal loaf. Simmer the scraps stendily with the cover off the pot, until
the gravy has pretty well boiled down, rated with alices of hard-boiled egg. Many people also have a prejudice "strong" taste. If however, the skin
 PARTS FOR COOKING To nine women out of ten, perhaps, the
majority of the various cuts of meat are
a dark and not-tp-be-understood mysdark and not-to-be-understood, mys
tery. They. send to the butcher's, for
"steak," or "roast," or "boil,", or
"soup-bones." and that is eill there to to it.
Sometimes, however, yes, often, money
may be saved by little enlightenment may be saved by a little enlightenment of meat are quite nutritious, and may
often be very well made a portlon of the often be very well made a portion of the
daily fare. They must, however, be
The daily fare. They must, however. are
cooked with great care, elle they are
certainly poorer in flavor, -and whatever does not appeal to the appetite never
"pays," no matter how little its cost. It stands to reason that the parts of motion, and which thus escape being
hardened into muscle, must bo the most
tender. tender. Looking at the cut which ac-
companies this. you will see that the
tenderloin, sirloin. and porterhouse, oc-

round roast, are also very good, whit
ound and chuck steaks, if cooked as
they should be (see below), are not to The tougher ribs make very good potThey also make excellent stews. Indeed. nearly all the tougher parts of meat are
good for stews if cooked slowly enough. For corning, use the rump, navel-piece piate and brisket, and do not forget that
when cooking corned beef a lung fivehour operation is necessary ir best re-
sults are to be had. Simmer, simmer,
simmer, if you would have good, tender, pink, delicious corned beef. In fact, it tougher portions of beef need slow cookThe neck, being constantly in motion,
is tough, aind may be used for mince meat, hash, and "Hamburg steak.". The meat-grinder, it will be seen, comes in
as a treasure here. Mutton neck may be used to make fine broth.
The leg may be used for potted meat and soup.
Even when all of the above; have been disposed of, the economical woman will animal. The head of a good baed will make
a fine crock of headcheeese. The liver (those of calves and pigs are best) may
be made into many- an appet izing dish, but any liver which shows istreaks or
spots should be discarded ais unfit for food. The tongue is, of course, a dish fit for an epicure, especially' if a plump,
firm one be chosen; while kidney stew often a dish in fine houses. Kidneys,
by the way, should be of a clear, bright by the way, should be of a clear, brigh
color. Tripe and sweetbreads are also dainties; stuffed heart is a dish at once cheap and nutritious; while in some
countries the brains are considered very good. $\begin{aligned} & \text { So now for some recipes. JUNIA. }\end{aligned}$

## Meat Dishes.

Sea Pie.-Cut 1 lb. lean beef or scraps
of meat in small pieces and dip in mixture of flour, salt and pepper.
into a saucepan with 1 carrot sliced,
small turnip cut into bits, and enough
cold water to cover cold water to cover all. Let come to a
boil. Meantime make a crust as Rol-
lows: Sift together 2 small cups flour,
 of salt, then work in $t \mathrm{lb}$. suet chopped
fine, and mix to a firm dough with cold fine, and mix to a firm dough with cold
water. Roll into a sheet large enough
to cover the pio. When the meat is boiling, place the crust on top, then put
on the lid of the saucepan. Stow gently for 1 l hours, loosening the crust, now
and again, from the side of the pan with andilo.
Soup.- When making soup, the alm 10
to get every bit of the nourishing eleto got every bit of the nourishing ele
ment out of the meat and into the soup mence only the portions of meat that cannot be used up otherwise should be used
Ror it, -the lower part of the leg the for it, -the lower part of the leg. the To make good soup, put the raw scraps or bones into cold water and let soak
for a while, then cooks alowly. Add vegetables and beasoning as proferred.
The bits of meat left after meling soup The bits of meat left after makling soup croquettee or stew of them. The vegetables may be left in the soup in bits,
but the result is better is they aro put through a sieve.
The Cheaper
Round Steak.-Sear the steak untill brown all over, them add a little water, cover closely, and cook very
slowly on the back of the rainge for three hours. Add onlons and thlckening of browned flour, blended in water, to the gravy, seison, and serve very hot.
Beel Broth.-Put rump ateak through Beef Broth.-Put
the meat-choppor. a jar with , 1 plint cold water, and wet in a kettle of cold water. Simmer until
the meat looke pale and colorless; straln
Remernher that beef broth end season. Remernber that beef bro
or beef toe is only a stinulant. It not a food, and contains only two pier should never be left to depend upon it.
As Dr. Fothergell says. "All the bloodshed caused by the war-ilize ambition of Napolenn is as nothing compared to the their graves from a misplared condinence
in the food-value of hiepf tea." It
nutilive value can. howevar, he greatly

tablespoons butter, salt and pepper to
season. Chop the meat, put the mills on the fire, and when it is hot add all
the other ingredients except the egg. the other ingredients except the egg.
Stir for a minute, remove from the fire,
and add the egg, well beaten. Turn and add the egg, well beaten. Turn all
into a baking-dish und bake 20 minutes in a rather hot oven.
Beef Pie.-Slice of Beef Pie.-Slice off the remains of a
roast of beef, and put all necessary into
a stewpan. Add gravy, a lump of buta stewpan. Add gravy, a lump of but-
ter, some sliced onion, Balt and pepper, and water enough to make plenty of
gravy. sirt in 1 tablespoon flour, cover,
and stew gently. When done, put ail and stew gently. When done, put all
into a baking-dish, and cover with a
thick thick layer of hot mashed potatoes,
beaten well with a little milk or cream, beaten wel witter, and seasoning. Brush ower the top with beaten egg and set into the
oven to brown. Serve with catsup or horseradish.
Roast Lamb.-Take a breast roast.
Make a good stulling as follows :
One pint crumbs, 1 tablespoon butter,
onion, 1 teaspoon dried herbs, salt and onion, 1 teaspoon dried herbs, salt and
pepper to season. Let stand an hour. Wipe the meat, fill the place for the
stulling, dredge with salt, pepper, and flour, and roast on a rack, basting often,
and allowing 15 minutes to a pound. and allowing
Serve wint mint sauce.
Poor Man's Goose.- Slice a sheep's or pig's liver. Mix together 1 tablespoon
flour, teaspoon salt, teaspoon pepfour, teaspoon salt, ot teaspoon pep-
per. Dip each slice in this. Put a
layer of the liver at the botiom of dish. Have an onion parboiled and chopped fine. Mix it with the powdered
sage leaves and sprinkle a little over the liver; put in another layer, then more onion and sage, and so on. Parboil a
few potatoes, peol them, cut them in Elices, pour the water over the liver.
cover all with eliced potatoes, and balke one hour.
Brain Cakes.-Wash the brains with a pint of cold water vill for ten minutes, spoon vinegar. Boil for th minutes,
then drain and chop. Mix with 2 table spoons bread crumbs, 1 teaspoon chopped parsley, pepper and salt to season, and
abeaten egg. Heat a spoonful of dripa beaten egg. Heat in the mixture by
plig in a pan, drop
epoonfuls, and fry a goiden brown.

TO MAKE PALMS GROW. Dear Junia,-1 am much interested in
your corner, and am coming for some your corner, and am coming hor some
information. Could you cell me how to meke palms grow ? What soil is besi
adapted for them? Do they require sunlight? I have a palm about ive years old, and the tips of the leaves
seem to be dying. What causes this ? Also, is millk and water good to baile Vietoria Co., Ont. Porhaps one cannot do better than quots
you what is sald in regard to palme by
 haileg, of Cornell $\overline{\text { Oniversity. }}$, "Palms in general are tropical in nar
ture," he mayb. "and while there are a number of species that are lound at con-
siderable elevations, where the nighte are decidedly cool, yet, in a young state, the same specces may make more progroes in a night temperature of 60 dogroee F.
and with this in view, mininume tom-
perature during the winter of $86-60^{\circ}$ dogrees in safest for young and growing
palma, while an advance of $10-20$ degrees palma, while an advance of $16-20$ degree
during the diay will not hurt them. many palme of water the required nivera or ta swampy ground; and oven
those fount ois high and rocky ground eend their roots down to such "Some shading throughout the /oummer
is best, the foliage grown under glane being more tender than that haturally produced outcoors. Repotting should be
done during the apring and summer mont dus, preferally, theng being compara-
tively little root action on the part of tively little root action on the part of
mest palnus between November $\mathbf{1}$ and
March 1. Give only moderate - ulized shifts; that is, use pote only one or two firmly. soil hor palms, and a fair proportion of
stable manure (old) stable manure (old is a sofe fertilizer,
such a soil being mixed with various lirnorntlons of reat or gend to make it
likhter and more oped for some delicerto
${ }^{\text {sperecien }}$ "Insecte are Prequently troublesome is
insects doing twe greatest damage; whill red spiders and thrips may become estab-
ished unless forcible ayringing is persistd in. The most successful practice re quires close observation oz the part of the grower
all insects.
Eben Re Eben Rexford adds that poor drainage is the reason for the tips of the leaves turning brown. To obviate this, the reepot (pots should in the bottom of eech of broken crookery, brick, or charconl. covered with sphagnum moss to keop the never water the plants, he saym, uantll move scale and mealy bug, he recommove scale and mealy ougo he roil or lemon oll
mends applying arretree oil
with a bristle brush, scrubbing ench with a bristle brush, scrubbing each apot
off with it. If the leaves turn yollowioh ofl with it. If the leaves turn yollowish,
and no insects can be found, fungous dispase may be at work, in which case apply copperdine once a month. It soems to me that your palm requiros re potting, probably drainage. I do not and mille and water recommended for a bath

## Did You Order These

 Patterns ?We hive money on hand from Walter's for patterns. No name was signed. On receipt of this inforination wo shall

The Scrap Bag. flour paste for filling oraoks Whent flour mired to $s$ stin pasto with linseed oll is eald. to be an excollons painted over. Full the cracks with the pante, working it in well with a thin
knife, and let dry thoroughly before peinting.

TO KEEP CRANBERRIDS Wash glase sealers well, and all them: with ebsolutely sound hovion, Pour in
cold water to overtowing, and soel cold in a cold place.
mending stooknas.
Uwe a white china egg mending ball lor black atoektinge, and a block one for whit--solid onee-and you will and thes PDESH ATB wITBOET DPATTE FRESH AIR WITHOUT DRAFTS. A supply of froulh air can bo obtainod by placing wide under the lower sanh, whiloh is ralsod to admit it. The window to but permits the fro
to mend brokin ohmia.
Make thick solution of gum arable. peote olgen of the bproken chinamare. to clebain clothme
. Put anottor under the apot to be dipped in elloroform. The blottor loek up the chloro
whim making rac rogs. When making rag ruga, sow togothen only colore thit will harmonize, minkite with brown or bus malls, us rage cot, ored brown, and ollve-green; you may add
i Hittle black and burnt oraige, If you choose. For a "blue room." som the
turn. dark blue, light blue, dark blue, turno dark blue, Ight blue, daris ond wite talme to aroom, with rag rugl. Ohoose instend, curtains of barred muslim or of
acrim, or Ave-cent factory cotton, olther atencilled or trimmed with henvy insory tion or atripe of floweved sateon in

WINDOW-BOX FOR WINTER.
Btart a window-hox now to place on a and garden plants that will live on for - while, also slips of any kinid. Hivo allo a few
poison botties.
Sticls pins through the corks of bottice

Rub white soaps on matarial trom Which threads, are to be drawn for hem-
stitching. They can be drawn more easily.
cleanting windows
Use chamois instead of cloth when be required.
cleanting celery.
When cleaning celery save the blseched the outside stalk (scraped clean) and clean tin and dry slowly in the oven. Whas dry powder them and pack it
glass jar to use for flavoring soups to clean tea and coffee pots. Do not wash them with soapsuds; wash out well after each using with
clean, hot water and dry well. If they be of grantite or agate ware and become
discolored, nearly fll each pot whit cold water, add one teaspoon borax and heat gradually to boiling point. Then rinse
with hot water. wipe, and keep on back with hot water. wipe, and ko
starting a fire.
A contributor to "Good Houeekeop ing," says: "I once read a discovery
advising campers to add a quantity of butter to their ntore of supplies, as it often proves invaluable in starting a many know what a blessing a small quantity of sugar can bs in like circum-
stances. I hava used sugar many times stances. I have used sugar many times When the fire wias all but gone, and
have often revived a stubborn, smouldering fire in the kitchen range, and over in the Are-place. As sugar containe sumficient carbon to cause it to ingnite, as. Itight fiame appears almost instanthair a teaspoonfull of sugar will sumice,
so it is not as extravagant as it at mo it is not
arst sounds."

WASHING KNITTED GARMENTS A writer in Pictorial Review gives this methodi Whesh the article in warm suds garment by placing it in a pan in which a towel has been laid (to prevent poseiTurn and shake it occaelonally; whe dry, the article will be as light and
flufly as new. A knitted garment dried in thie way always retains its shape,
whereas if it ware hung up to dry it would etretch.
EMBBROTDERY HOOPS FOR DARNING. Emboidery hoops help to make darning easy. Draw the material tightly in the direction of the rent or tear, fixing the hoops armly, then darn.
storing dahlias
The following method
dahlias is recommended by Mr. ©
of Titus, of Marblehead, Mass. : Put them in pilise in the cellar, three or four feet from the furnace, and cover them over tightly with newspapars. Thls mothod,
has been tried by at least one person, has been tried by at least one perreon,
who has been storing dahlias for twenty years. In trying this method, there
was. a logs of hardly two per cent. He was a lo9s of hardly two per cent. He they were made into two piles with a dozen or so layers of newspapers carefully tucked in around the bottom, ble, in order to prevent the circulation of air. Along toward spring, the nowepapers were sprinkled with water, uslag a fine sprayer. This was to prevent
the bulbe from shriveling. As a reeult, at the end of the winter they were plump, and usually had started just a
little.-Suburban Life.
winter protection of plants. Put a mulch of straw on leavee over branches over to keep the leaves from blowing away. This should be done late in fall, just before winter sets in. Do not remove all of the covering at once in spring. Remove half of it and
leave the rest until danger of heavy frost is past. Small trees and vin may be protected by binding straw or
old sacking about them. Very tender old sacking about them. Very tender
vines may be cut from their support. Vines may be cut from their support,
stretched on the ground and covered
with with leaves, etc. In frosty winter
weather the sun weather the sun does more harm than
the frost. It is repeated freezings and the frost. It is repeated Preezings and
the wrings that do the damage, and the proterin. prevents this.

## Fashion Dept.

HOW TO ORDER PATTERNS. Order by number, giving age or meas least ten days to ruired, and allowing at state issue in which design appeared. Price ten cents PER PATTERN. If two numbers appear for the one suit, one for coat, the other for skirt, twenty cents ment, '"The Farmar's Advocate and Home Magazine," London, Ont. Be sure to sign, your name when ordering patterns
y forget to तo this
When ordering, please use this form :and the following pattern to
Namo.
Post Offic
Province
Number of pattern.
Ago (if child or misses' pattern)
Meesurement-Waist, .......... Bust,
Date of lesue in which pattern appeared.
Address : Pattern Dept., "The Farmer" Advocate and Home Magazine," Londor Ontario.


868 Semi-Princesse Dress for Misses 868 Sem.-Pncesse Dress for Misses

## PR

8009 Childs Caps,
1.2 and 4 years.


Design by May Manton.
8023 Loose Coat for Misses and

${ }^{8022}$ Four-Piece Ckirt


8026 Girl's Cot in Bun Ston 8 to 14 y ears.

aniz



The People of the Whirlpool.
 (om) Cmomer mi

## mTSS I.AVINIA'S LET

New york "Crarn. village "so you are glad that I have ro turned? I wish that 1 could say so
also, in your $h$ tarty tone of conviction Every day of the two years that I have been scattering myself about Europe I
have wished myself at home in the house where I was born, and have
wandered through the rooms in my wandered through the rooms in my
dreams; yet now that I ame here, I And
that I was mixing the past Impossibly
> that are fowing steadily upward, east east and west of the Park; while the
people who were neither my financial nor social equalk thirty years ago are
dividing the year into quarters, with dividing the year into quarters, with a
house for each. A fow months in town, a few of hotel life for 'rest' in the
south, then a 'botween-season' residence south, then a 'batween-season' residence
near by, seaside next, mountains in earIy autumn, and the 'between-season' the Whirlpool.
> "I llike that name that your Martin Cortright givee to New York. Before I
went abroad I should have resented it went abroad I should have resented it hitterly, but the two months since my
return have convinced me of its truth,
which which I have fought against for mpany
years; for even the most staid of us years ; for even the most staid of us
who, elther of chnice or necessity, give
tha social vortex a wide berth, cannot the social vortex a wide berth, cannot
escape from the unrest of it, or sight of the wreckage it from time to time not met this Cortright, or never even knew that he shared your father's admiration of your mother, though owing to our school tie we were like sisters.
Yet it was like her to regret and hold sacred my pain she might have caused, no matter how unwillingly. Did his
elder sister marry a Schuyler, though elder sister marry a Schuyler, though
not one of the well-known branch, and not one of the well-known branch, and
did he as a boy live in one of those houses on the west side of Lasayotte Place that were later turned into an
hotel ? be the worst of it all appears to me to
uncrease of wealth in the upper class is exterminating the home
o the Civil War, and then bravely ait ting down and rolling their own hearte up with the bandagee with which they wonied their fingers. I suppose you are days, or why I have not married, as I am in no wise oppoeed to the institution, ut consider it quite necessary to happitwo men whose tastes so harmonised with mine that $I$ considered them posalble as companions, and when I first met them neither was eligible, one boing my shall have to list your queries, to be answered deliberately, write ms lottors in sections, day by day, and send them of the time of two-shilling posit hand messengers. To beging with, I will pick out the three easiest :-
What is it in particular that has so upset me on my homo-coming? Do I think that I could break make you a real country vialt thi spring or early summer, before the mosquitoes come? (Confocening with your altogether out-of-date trank word usually dropped from the cabulary of commuters and thot viven, even though they live If the Sylvie Latham, to whom have been as friendly chaperon dur ing my recent travele, related to nest houne who are bullding have never noen the bead? hoves, but his initiele are S. J.; he is sald to be a power tiv Wall: a son and a daughtor, neither of whem has yot appeared, although to posstble ?

The Twins.
and Richard
with the present. in a way common to idea, to which I eling, single womar as
 gear, and blink obliviously at my age ing to throw it over.
as I did ti thone trying later fortlea. "The rich, having no particular reaso not anly face it equarely, but eragger- for remaining in any particular place
no it. for it is an much more comfort- until they become attached to it, uvo in ate to have psople say. "Filty-ave | Is
""By the way. do you know that you and I share a diecinction in common? We are both living in the houses where
we were born, for the reason that we wish to and do not because we cannot help ourselves. Since I have been
away it appears that every one I know. away it appears that evary one 1 know.
of my own age, has made a change of of my own age, has made a change of
some sort, and joined the two streams
 is a dozen houses, which seems to have a deteriforating eflect upon their
domesticity: Just as the sultan domestieity; Just as the Sultan, with
alfy wiven that may be dropped or dirly wiven tasat may be dropped or rethem as does the husband of only one. "Your letters are so full of queetions and wonderments about ways in yours
mother's day, that they set me rambmother's day, that they set me ramb-
ling in the backwods of the sixtlea,
when women were sending their lovers
pancy.
(My German tenolher bee arrived.) -January sand. Why am I uppet f For eoveral 'reasons, some of whith bave been eloud
Ing the horizon for mang yeare, othere ing the horizon for many years,
crashing up like on thunder-mitorm.
"I have for a long time past noticed phere certin apathy in the nocial atmosworti. I gava up eny preithations to general Now, Yeik socioty altor my when the social cantre was splititing tim to several cliguea : distances increated, Now Year's calling consed, goling to the came in vogue, and cormopolitaniom Anally overcame the nelghborhood community interest nt my girlhood. Pioplo
stopped making evening call you no making ovening calle unluvited; street or even next house, saye by acoldont ; the cosy row of privato dwelling sometimes worse: friendes who hed and soen me for a few monthe soomod bor
 gain, one day Cordelle Martin (oho whe Bleecker-your tether will remember met in the ntreet and asked me to ome in the next ovening iflormally to dinner, and moet her sheter, an themy
officer's wite, who would be there on oute from one prost to another, and have an old-timn game of whist, anticipating E ploasant old \&rlends, wou now woft bleck satin gown ollghtly $\downarrow$ in tront, some of my beet lace, and my earl ornamenta : I even wondered is th dinmer. You know I nover aweit muct upon attire, but: it is cometimes neow eary when it is In a way epock meking. neual cordial weitirees: he preemtod. tray for the eard that I hind not Trought and sald. 'mecond viory front.' hersell had elways come to the otalirwey to greet me when the door opened. "The 'eecond mery front' had been budoir, a wond fioor polimhed llie sias was dotted by white fur bland years before, had in fact disappeared rom the entire house. moved maid, anything but cordial, rodellterately ns sha did so. I wondered

grand function-no. there were no visible igne of other guesta
"Not a word was spoken, so I made lag-room had been, not a little curious oo see what would come next. Thicls portieres covered the doorway, and by
them stood the butler who asked my name. Really, for a moment I could not remember it. I was so startled at hble sulden ceremony in the house of a umped rope on the sidewalk with her jumped rope on the sidewalk with her, around the corner to Taffy John's little hop for molasese penpermint and y hesitation
datrust that my appearance had in the some way creater. The butler also owept me from head to foot with his
critical stare, and at the same moment I became internally aware that in had forgotten to remove my arctic overboots. Never mind, my gown was long, the dressing-room in full sight of that man, 1 whose forbears had outbowled Peter Stuyvesant. and, I fear, outdrunk "uThen the
acing a glare portiares flow apart, and light, I heard the shouted announcement of 'Mise Doormat' as I stumbled over a tiger rug into the room. I believe the
fellow did it on purpose. However, it was very funny, and my rubber-soled arctics probably prevented my either
coasting straight across into the open coasting straight across into the open
freplace, or having a nasty fall, whill the laugh that the announcement created on the part of my host, Archie Martin,
saved me from an awkward moment, for from a sort of gilt throne-like arrangein bracaded satin gowns cut very arrayed and fantened to meagre shoulders by

## English Hand-made Lace

MADE BY THE COTTAGERS OF BUCKINGHAMSHIRE. This is the old-fashioned lace made on the cushion, and was first introduced into
England by the Flemish Refugees. It is still made England by the Flemish Refugees. It is still made by the village women
ind their quaint old way. Our Laces were awarded the Gold Medal at the Festival of Empire and Imperial
Exhibbtion, Gryetal Pqlace, London. England, for general excellence of work





Please Mention the Advocate

Jewelled collars. the whole topped by a group of three 'Prince of Wales' feathers,
Cordelia and her sister came forward two steps to greet me.
"Ot course, I thought to mysell, they are going to a ball later on. I natur-
ally made no comment, and wa want ally made no comment, and we went in
to dinner. The dining-room was very cold, as extensions usually are, and the ladies presently had white fur cape sitting in the draught trom the butler'i pantry, was grateful for my arctics. The
meal was moru frotertloy meal was more pretentious than edible -a strange commentary upon many do
lightul litte four or at most five course affairs I had eatan in the same room, f soon found that there was no ball fif prospect, elao that Cordelia and her
sister seemed ill at easo, whille Archio had a lock of suprresed mischief on hito
tace, which in face, which in spite of warning elgnale
broke forth as smon as, the coffee being sroke forth as smn as, the coffee being
served, the butler left. ."O, the butler lert. they do not take easily to being unne tural. Archie and I , having been brought up like hrother and sister fron
the time we want to lo little mixa school over in clinton Hall, were alway on cordial terms.
surprised at the change it see you're surprised at the change of base here ground floor, if Cordelia won't. You see, Janet (she's not in town to-night,
by the way) is conining out next month by the way) is conning out next month
and we are getting in training for what and we are getting in training for what
her mother thinks is her duty toward
her her, or else what they both think is
their duty to society, or something else qually uncomfortable.' ${ }^{\prime}$ something elso he grood-naturedly ignored Cordelia, but
tinued . tinued: Now I want Janet to have a
jolly winter and marry a good fellow
when the jolly winter and marry a good fellow
when the time comes, but as we've got when the time comes, but as we've got
the nicest sort of friends, educated and

OCTOBER 23, 1913
ell that. who have travelled along with us, as you have. from the begining,
why should feathers and try to fy for a different $\stackrel{\text { roost }}{ }{ }^{\prime}{ }^{\prime}$ Archibald,' saia Cordelia, in such a tone that she was not to be gainsaid, 'Lavinia, as a woman of the world, will understand what you refuse to: that it
is very important that our daughter is very important that our daughter
should have the surroundings that are now customary to the social set with whom she has been educated, and into
which, if she is to be happy, she must which, if she is to be happy, she must people, she must be rightly presented.
All her set wear low gowns at dinner, Mhether guests are present or not, just as much as men wear their evening dress morning. That we have kept up our odd-logy habits so long has nothing to
do with the present question. do with the present question.
purse to bring up everything else to puit the elothes. as naturanly gasilight, a leg of mutton. and two vegetables do not make a good foreground to bare
shoulders and a white vest ! And $\mathrm{I}^{\prime} \mathrm{d}$ rather fund the cash as a nest-egg for Janny.'
" 'Archie,
"'Archie, you are too absurd i"
enapped Cordelia. yet more than half inenapped Cordelia. Yot more than hall in
clined to laugh : for she used to be the jolliest woman in the world before the spray of the whirlpool got into her
eyes. "a'As to meeting suitable people to
marry, and all that rubbish,' pursued Archie, relentlessly, 'I was considered
lairly eligible in my time, and did you fairly eligible in my time, and did you
meet me at any of the dances you went to, at the Assamblies at Fourteenth etreet Delinonicco's that were the swell thing in those davs? No: I pulled you
out of an old Broadway stage that had lost a wheel and keeled over into a prile of snow opposite father's offlce, when you were practically standing on you
head. You didn't fuss, and I got to head. You didn't fuss, and I got to
know you better in five minutes than any one could in five years of this rot-
ten fuss and fenthers." "That was purely accidental and is wish you wouldn't mention it so oftan,
said Cordelia, funshingly; and so the
conversation, at first playful, gradually conversation, at first playful, gradually
working toward a painful dispute, went on, until my Paithful Lucy came to game of whist. that excuse for ing ourligent and silent companionship.

II dwelt on that little dinner episode, my dear Barhara. because in it you will read between your lines. Since my return I find that practically all my old friends have flown to what, Archie Mar-
tin called 'a different roost, or else Pailtin called 'a differant roost,' or else fail-
ing, or having no desire so to do, have left the city altogether, leaving me very lonely. Not only those with daughters to bring out, but many of my spinster
contemporaries are listed with the buds at balls and dinner dances, and their gowne and jewqls described. Ah, what a fatal memory for ages one has in regard to schoolmates I Josephine Poo-
sonby was but one class behind us, and one is dancing away yet. "The middle-aged French women who now. as always. hold their own in publio
life have better that, and make the cultivation of some infellectual quallty or political scheme least the excuse for holding their salans, and not the mere "I find the very vocabulary alteredfor rest read change, for èleep read stimulation, etc.. ad infin. "Born a clergyman's daughter of the
old regime, I was always obliged to be more Conservative than was really nataral to my temperament; ; even so. I find myself at middle life with comfortand means (owing to that bit of rock
and krandma's on the old Bloomingdale road that father persistently kept through thick and thin),
either obliged to compromise myself, either obliged to compromise myself
alter my dress, go to luncheons where the prelude is a cocktail, and the after
entertainments to play cards for money, contract bronchitio by buzzing at aftermon teas, make a vocation of charity,
or-stay by myself.-these being the only forms of amusement lost open, and none
offering the intimate form of social in${ }^{\text {4I I did mission schools and parish }}$
visiting pretty thnnoughly and conscient
iously during forty years of my life, on my return an ecclesiastical, also, ae
well as a social well as a social shock awaited me. St.
Jacob's has been made a free church,
 given in charge of two newly adopted Deaconesses, 'both for the betterment of
parish work and reaching of the poor parish work and reaching of the poor.
So be it, but Heaven help those who are neither rich nor poor enough to be of consequence and yot are spiritually
hungry.
"The church system is necessarily duced to mathematics. The rector has affee hours, so have the curales, and
they will 'cheerfully come in response to they will 'cheerfully come in response to
any call.' It was pleasant to have any call. It was ploasant to hav sympathetic sort of way, pleasant to have a chance to askid his advice without formally sending for him as it you
wished to be prayed over । But everything has grown so big and mechanical that therre is not time. The clargy in many high places are emancipating them-
selves from the Bible and preaching politics, history, fiction, local sensation, and what not, or lauding in print the moral qualities of a drama in which the
friendship hetween Mary Magdalene and Iriendship hetween Mary Magdalene and
Judas Iscariot is dwelt on and the latter adjudged a patriot. I don't like it, and I don't like hurrying to church that
I may secure my seat in the corner of I may secure my seat in the corner of
our once family pew, where as a child I loved to think that the light that shone across my face from a particular star in one of the stained-glass windows was a special message to me. It all
hurta, and I do not deny that. I am bitter. Those in charge of gathering in new souls should take heed how they
ignore or tramule on the old crop ignore or trample on the old crop I
"So is attended to my household duties, marketing, take my exercise, and keep up my French and German; but When evening comes, no one rings the looking for one of the lodging houses oprosite, and the silence is positively nsphyxiating-if they would only play
an accordion in the kitchen II should be an accordion in the kitchen In
grateful. $1^{\prime} \mathrm{m}$ really thinking of offering the maids a piano and refreshunents if they will give an 'at home' once' a week,
"Ther
on $4 n$
in on in the is an inordinate banging going on in the rear of the house, and I muet
break of to see what it is."
‘January 30th.
"My Dear Child :-
"Your second question, regarding visiting you the coming season, was answer-
ing itself the other day when I was ing itseif the here, except in winter, is becoming impossible to me. I have lost not only. Josephus, but my back
yard! The stahle where they keep the pigeons has changed hands. Yes, you pigeons has changed hand the place, the postman says : and I suppose they did
not understand that he was merely not understand that he was merely playful, and not hungry, or
else maybe he was too careless about elise maybe the side fence by the street. I could replace. Tosephus, but not the yard, - there are no more back yards to
be had; their decadence is complete. I've closed my eyees for yeurs to the ash heap my neighbor on the right kept
in hera; also to the cast-oll teeth that in hera; also to the cast-or teth that came over
on the left.
"When the great tenement flat ran up on the north where I could, not 10 long ago, see tha masts of the shipping
in the Hudson. I sighed, and prayed that the tins and bottles that I gathered up each morning might not single me out when I was tying up my vines
in the moonlight of early summer in thes ".Josephus resented these missiles,
nowever, and his foolish habit of sitting however, and his foolish habit of sitting on the low side fence under the allantus
tree then began. Neaxt. I was obliged to give up growing roses, because, as you know, they are fresh-air lovers;
and so much air and light was cut of by the high building that they yielded only leaves and worms. Still I struggled, and adapted myself to new condisummer bedding plants. panging and "Five days ago 1 heard a banging and been told that the low, rambling carpen-
ter's shop. that nccupied a double lot ter's shop. that occupied a double lot
along the street to the southwest, had

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Winnipeg
velopments. We mere spared long
subpense ; for, on heaering the noise, and guppense : Yor, on hearring the noise, and
going to the little tearroom extension
where where I keep my winter plants, 1 saw
a horde of men rapidly demolishing the shop, under directions of a superinten-
dent, who wis and dent, who was ahsolutely sitting on top
of my honeyuuckle trellis. Atter swat lowing six times. - o trick father wance
taught me to cure taught mie to eure explosive speach,-I
went down and nesked him it he qould
tell
 clean it up; but the plans call for twelve - story stracture, - warehouse,
guess.
But you needn't tret ; it's

 cried, gazing around my por garden-
or rather I m mut have fairly smorted, Yor he looked down quickly and took in
the aituation at
 whistle and addad: 'I 'I see, you'll be
planted in ; but. marm, that's what's planted in; but, marm, that' what'B
goo to happen in az puahhing city
lit don't totop even for graveyards, but
dust plante ${ }^{\text {just }}$. Plants ${ }^{\circ} \mathrm{em}$ in. miny alternoon sun gone. Not for one
min the day will its light ree minu in the day will its light rest en
my garden, and finis is already writ ten on it, and $I$ see it in an arid mud bank. I wonder if you can realize, you openair Barbara, with your garden and Belde
and and space around you bred wonian, to whom orowds are more yard. I hature, still loves her back planted in mine, that began alendar bunch of snowdrops, ran through hot poppy days, and ended in a glow of worked amoms. but all the while I of civilization ahout me and the beold ${ }^{5}$ "I manent undar my feet.
has concealed in the women primarlly ers of her heart. waiting dound cornhIof of home, love of children, and love

 Oaklands gladly, though itis a poor compliment under the circumstances. The moner of twins hiould be gone to: me, tor I may supplant Marthe Corkle, the miraculous, in spoiling the boya."
"One more question "February 19t.
 post with at least Rour stamps on it,
for since you have yoked pan and begged me not to orisecrose the the
abe sheets, my bills for stamps and stationery have increased. "Sylvia I, atham is the daughter of
your Bluff people. your Burf poople. Her rather's name is
Sylvester Johns Latham, and he is
Well Wall Street broker and promoter, with a deal of money, and ability for pulling
the wires, but not much I should judge,-that is.
is.
 her marriage, ${ }^{\text {a }}$, pretty southern girl,
Vivian Carhart. with only

 fudge, unbounded vanity and ambition. lees western land. belonging to her peo-
phe, hae develo. Ple, hae developed fabulous ore, and
they they, say that ahe is now more opulent
than her husband. "They were pewholders at 8t. Jacob's Cor many years. until thref peasone agoo.
when they moved from ie side atreet
 Row,' on the east side of the Park There are two chlldren. Sylvia, the
 but who got into women hnem hm,
 Cteb, I think, that hig father repudt
ated, and sent him to try ranch
tho weet the West. There was a grood doal ol
talk at
 trother's own card table comy at his his
has caused
 .". However it may be, Sylvia, who ta nn ungpoiled kirl of the syiriank who the tin-
tellertual type, tall, and radiant with
nurmbait
 Eway at boarding-school for three years,
and then went to college for a special
two yeag


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| had barely returned home when her mother, hearing that I was going abnoad, asked me to take Sylvia with me, as she was deficisnt in languages, which would be a drawback to her social career. <br> "'It seerned a trifie strange to me, as she was then nineteen, an age when most girls of her class are brought out, and had been away for practically five vears. But I tomk her gladly, and she years. But I tonk her glady, and she has been a most lovable companion and friend. She called me aunit to overcome the formal Miss. and I wished she were daughter. I'm only wondering if from wise teachers, and the halo that she has constructed from imagination and desire about. her parents during the years of her separation from them, will not embarass them a little, now that she is home for good. <br> "By the way, we met in England last spring a young sub-professor, Horacs Bradford, a most unusual young man for nowadays, but of old New England ture instructors at Rockcliffe College, and he joined our party during the month we spent in the Shakespeare country. It was his first trip, and, I take it, earned by great sell-sacrifice; added scholarly yet boyish enthusiasm "He spoke constantly of his mother. Do you know her? She lives on th 3 old place, which was a farm of the ter class, I take it, his father having general consulting factotum of his county. It is at Pine Ridge Centre, which, if I remember rightly, is not far from your town. I should like you to know him. $\qquad$ <br> friends, for she is of your ilk: and if this happens, I shall not regret the advent of the Whirlpool Colony in your beloved Oakland as much as I do now. "I am really beginaing to look forward to my country visit, and am glad to see that some 'advance season' tops are spinning on the pavement in front of the house, and a game of marbles is in progress in my front yard itself, safe from the annoying skirts of passers-by. For you should know, dear Madam Pan, that marbles and tops are the city's first spring sign. <br> "By the way. I am sure that Horace Bradford and Sylvia are lyseping up a literary correspondence. They are perfectly suited to pach other for any and every grade of friendship, yet from family standpoint no one could be more unwelcome. He has no social backing? his mother is a religious little country 'reckon, and he only has what he can earn by mental effort. But this is neither here nor there, and I'm sure you croon in spite of your qualms and resentment of the moneyed invasion.-Not another word, Lucy is waiting to take this to the post-box. <br> ''Yours faithfully, <br> 'Lavinia Dorman. <br> '"P. S.-Josephus has just come back ! Lean, and singed by hot ashes, I judge. I dread the shock to him when he knows about the yard 1 <br> -(To be continued.) <br> BRAVE YOUTH. <br> Her Father (sternly)-'Young man, can you support my daughter in the style she's been accustomed to?' Lover (briskly)-'I can, but I'd be |
| :---: |

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News of the Week
atanadian
The Duke and Duchess of Connaught have returned to Canada. Dr. R. P. Bowles, M.A... DD., LLDD, has been installed as President and
Chancellor of Victoria University, To fonto.

Mr. Duncan Campbell Scott, the well known Canadian poot, has iben apponitut
by the Dominion Government an Minister Ior Indian Affairs.
british and Foreign Prince Arthur of Connaught, and the Duchess of Fife, were married on Octo-
ber 15 th . The United States Congress decided no to recognize the election of Prov.-PresiHuerta has obtained a and loan of $\$ 2,600$,000 in Paris,
A battleshlp, the "Queen Elizabeth," Which uses oill instead of coal Ror her
motive power mouth, Eng., on october 18th.
It has been semif - offictally announced
that abolition of discrimination in Paname tolls in in liver of American constwise
vesels. veseels.
The first French aerial mall was diepatched from Villacoublay, France, $t_{0}$ St. Jullen-Begchevelle, last, weak. Lieut.
Andre Rouin was the, Andre Rouin was the avator in chargo. Four hundred lives were loest by the
mine explosion near Cordif wales October 14th. The disaster was the most terrible that ever happened in

By the blowing up of the corman a ship, "L2," at Johannisthal, on October trophe is the morat of aviation. The "L2"" measured 500 teet from end to end.
Martin Clyyn has been appointed Governor of Now York in the place of William
Sulzer sulzer, who was removed from
the High Court of Impeachment.

## We Know Not.

y John Francis Beckwith
ave hung my guns on the corner
And never again shall I follow The call of the wild and the lonely track
Through the wond-clad mountsin low
The autumn had tintod the sholving sid Where 1eafess branches were sighing, of a summer in glory dying
I had followed a trail-but it matter It was bigger game I was hunting But the caveman in me frred a sho
At a little snow-white Ho fell to the ground with hroke A blood-stained futtering froken wing And never, never again would he sing O'er meadow and lilhc heather Ilited him up, and I heard the call
Of his mate from a cluster Of his mate from a cluster of willows;
And I thought of the nest with fite hungry small
And the northi-cold, wintry billows. For never, never ngain would he fly
With buds and the young grass spring Wing-shot and still, on the nest he And whold lio- would the food be bringing? That's why I've hung my guns on the Thut's why I shall miways remember Nor the cominisy of lifte's December. We know not the day till vesper rings Twilight may ind us with broken wing
In a field of Iossoming clovec. In a field of Dinseoning clovec.

Here Are the Results of Our Contest No. 2


MAN BORN JUNE, 1871
Nine of the competitors were equally close, as will be seen by the results, and it has been necessary for us to split up the money and divide it among
the nine. The following are the prizewinners:

First Prizes, \$20.00 Each.
Mr. Walter Lewis, Mooresville P.O., Ont., guessed June, 1871. 181
Mr. D. R. Kindree, Ridgetown, Ont., guessed June, 1871.
Second Prizes \$13.33 Each.
Mr. Theodore Stock, Tavistock, Ont., suessed March, 1871.
Mr. Huah C. Miller, Atterclife, Station guessed March 187 Mr. Hugh C. Miller, Attercclife Station, guessed March, 1871,
Mr. H. Kyle, Woodham, Ont., R. R. No. 1, guessed April, 1871

Third Prizes, $\$ 8.33$ Each.
Mr. Wm. H. Sherick, Ringwood; Ont., guesed April, 1870. Mrs. H. J. Beeton, Fergusonvale, Ont., guessed February, 1871 All of the above prizewinners have received their cash, and all the bath tubs have been sent out.
We want good salesmen for a good article, and good commision
paid. Man in the Bath Tub is on the "square." Watch for our next conteest paid. Man in the Bath Tub is on the "square;" Watch for our next contest
We are forming a Selling Club, which will carty large cash prizes, and alaso commission on each tub sold, and want every Advacate reader who wants
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## TheBeaverCircle

Our Senior Beavers. [For all pupils from Senior Third to
Continuation Clasea, Inclusive.) Continuation Clesses, Inclusive.)

Tommy Gough in English When first the new boy came to school, The neme was not announced.
Thildren knew how it was apelled, But not how 't was pronounced.
-0 "T is easy to decide," quoth one "Of course it rhymes with rough I m positive, in my own mind,
"You may be right," a second said,
-0 T is possible, athough
a
" 'T is possible, although
I rather think, if he was asked,
He 'd say his name was Gough."
"Pooh, pooh $\mid$ "' a loud voice called in scorn "With nonsense let 's be through. That I am right, you must allow.
We 'il call the new boy Gough."

That 's as you please," replied a fourth
While swinging on a bough;

- And yet I see no reason why His name should not be Gough

But here the boy himself appeared,
/And said, with bashful cough. And said, with bashful cough: "Say, fellows, can I play wit.
My name is Tommy Gough.

The 'Twenty-first of October.
(A contribution by C. H. S.) The month of October has came once
more, and with it the memorable twentymore, and with ive the memorable twentyTrafalgar. It seems so long ago that
some of us are very apt lither some of us are very apt to forget all
about it, but if we could only realize

EUEAR AS YOU LIKE IT

FINE Grain Sugar

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 dity S. Lumandiverime

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"More Bread and Better, Bread" and "Better Pastry,Too"

527

A LEADING firm of contractors (name and address A sent on application) sent an expert to the Toronto Fair last month to buy the best gasoline engine on the ground. After careful examination and comparison with others he bought a Lister $7 \mathrm{~h} .-\mathrm{p}$. Engine, because he found

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TORONTO, ONT WINNIPEG, MAN. Bonaparte was the greatest military genius who ever lived. He commanded a powerful army, and had overswept,
gradually, country after country, until, no doubt, the people of that time thought he would, like Cwsar of old, control the world. There was one country, however Which he had not mastered, and that was
Britain. He believed, to use his own words, "If we can master the English Channel for six hours, we are masters of
the world.". There was Britain, the the world.". There was Britain, the
metropolis of a far-flung Empire, with Napoleon ready to pounce upon her with his seething swarms. Her destiny was Covering in the balance, The hope of Britain, as it is to-day,
was her lleet, and it did not fail her in her hour of peril. The French fleet was not even permiltted to reach the English Channel, but was utterly crushed on a
foreign sea., Lord Nelson, who foreign sea. Lord Nelson, who com-
manded the British fleet, did not live to reap the benefits or to share the glory of his brilliant achievement. On his
cold brow there was placed a wreath of cold brow there was placed a wreath of
human fame which only the end of time can undo. He has left us a glorious inspiration, as his life was not spent in satisfying a ruthless ambition, in a war
of subjugation and conquest, but in the simple performance of duty. It devolves upon us, therefore, who have inherited that which Nelson died to defend, to merit this noble heritage, and to remem-
ber in gratitude his gallant achievement upon each anniversary.
Lastly, let me repeat his dying signal,
the message which the motherland conthe message which the motherland conday, "England expects that every will do his duty.

Senior Beavers' Letter Box. Dear Puck and Beavers, -I saw my first
letter in print so I thought I mould write again.
The authors I like best are Horath The authors 1 like best are Horatio
Alger, Jr., G. A. Henty, and Nisbet Alger, Jr., G. A. Henty, and Nisbet,
writers of perils and adventures, and scout books. Some of the books I hav
read are: "The Young Musician "Swiss Family Robinson," "Sir Robert Baden-Powell and the Boy Scout," and
the "Army Airships," and others, too pumerous to mention. many books out of the Sunday-school Library every Sunday I go. I worked out in-
stead of going away for holideys stead of going away or holidays. The
threshers came on Friday night not start to thresh till Monday because of a big thunderstorm. It is raining go to Sunday-school. run the blower on the separator on Mon day. I wish some of the Beavers about my age would write to me, because I am sure I would write back. As my letter
is getting rather long, I will close, wish ing the Beaver Circle success.
FLOYD JoHNSON (age 11
St. George, Ont
right, Floyd. I I like to the blower all ested in the farm work.-Puck.

Dear Puck and Beavers,-Well, Puck, have been a long time thanking you for
the book I received as a prize. Thank you for it. The days have slipped by so quickly, I forget all about writing
till the day is that I day is gone. The book was just
whanted, I have hunted up th names of several flowers already.
We have taken
We have taken "The Farmer's Advo-
cate", for aloout a year. We got sample copies before we took it, and I sot ac-
quainted with the Beaver Circle. We all
$\qquad$
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 hall and hide-and-seek with me. and plays os serve supper. Wishing the Circle
I am very fond of

Toronto was in Riverdate parl, There was anjoyed seeing the animale the first attention. The keeper claime there, or I might have had a ride on ita
there. back. Say. There were all sorts of animale
Sack, when are you going start a new competition ? you going to I am very fond of reading books. Wo have a pubic-school library, and I have fit. Mgy yavorite book in it that I find
fooks are, "Beautitul Joe," "The Red Fox." "Anne of Green Gables, "O "Mother Carey"s Chickens,"" and
"The Elsie Books," also a 'lot of othera such as "A Very Naughty Little Girl" "Black Beauty," and "Rebecca of Sunny brook Farm," But I have read many, many others. I thunk I like the dumb there are not plenty of good books, how ever. Heve many of the Beavers read "Anne of Green Gables," and sequel; also $\begin{array}{ll}\text { Mother Carey's } \\ \text { funny in parts ! Chickens"? } & \text { Aren't the } \\ \text { "The Elsie }\end{array}$ very sad in parts, but so interesting Don't you think there are a lot of them Puck? I have not read them all yet. son's and Lamb's fairy tales are protty good, though. I am very fond of music as well a
books. I do not mean practicing though I like it, it tires me soon Say, Puck, we are going to put our rabbits in the barn loft where they can eat hay. Would you give them cabbage
leaves? What else besides that hay would you give them? and the I think I had better close. Say, few days ago I saw a pale, bluish-purpla
butterlly, quite small. Have you any? I will say good-bye you see LUCILE GLAASS (age i1, Sr. IV). Thorndale, R. R. No. ${ }^{3}$.
We are going to give you another com-
petition just as soon as all the petition Just as soon as all the Garden
Competition letters are in, Lucile. I am so glad you like animals. Yo may give your rabbits some cabbags
leaves, also carrots, clover, almost leaves, also carrots, clover, almost any -
Dear Puck and Beavers,-I will toll you picnics. my vacation. I went to thre nic, and the of them was Oakdale pic They had a merry-go-round large crowd on three times. Going on the horses most fun, but they were nearly alway packed in the afternoon so that you for the little children, and aleo some of the best speakers around the country There were Scutchmen in the plaids, wit and people from away off singing and telling stories. There were races, and young men's
hop, step and jump; young men's high Jumping, and ladies' hitching contest. horses and drive around in a circle, and the one that got back first got first prize. There was a baby show, and the young men of Oakdale and Oil City had
base ball team against each other, and a base balw leam against each other, and
Oil City won. They had Brigden Silver Band playing, and the people who went
before dinner took their lunch, and each before dinner took their lunch, and each
family ate by tiself. All taken together, it made a happy day, and I was very tired when I got home.
I said I was going to tell about my acation, didn't I? And I have only
told about the nicest day of it. The rest must be omitted, as my letter is getting too long.
VERA GETT
VERA GETTY (age 11, Book IV).
Croton, Ont., R. R
Iear Puck and Beavers, - I have just cle, and enjoy reading them. I am golass. There are six scholars in our class.
We have a nice teacher; her name is Miss 'atterson. We have our class up in the atlery. We named it the "Bound-to" Club." Our button is gold, with
hive center. We started a contest nil, and it lasted till the end of June serve supper. Wishing the Circle
ery success, I remain.
GLADYS C.

Dear Puck and Beavers,-We have taken

The Farmer's Advocate" for "Theers, and I Ilike to read it, it aspecially the Beaver Circle. I think it is a true , 1 who own the name. $\quad$ have stopped sthool and am working on a farm. We | have sixty, hens, six horses, $\begin{array}{l}\text { sixteen head } \\ \text { of cattle, and } \\ \text { six } \\ \text { pigs. } \\ \text { For pets, I }\end{array}$ |
| :--- | have a dog and a black calf. The dog's

name is Buff, and the call's
 Dorkie. Beaver Circle, and $I$ will tell about my life in England? I am an English girl. I have not the priviliege that many
young people have of telling mother and young pappe have of ther, brother or sister, everything, as I have not seen them for twelve years, and they are in England. I have seen more on the world than many of my age,
which is fourteen. I will close with a few riddles.
A room full, a house full, and you can't Whe white and comes down What goes ap Ans.-An egg.
As I was going over London bridge I met a cart full of people, but there
wasn't a single one in it? ${ }^{\text {ans. }}$. They were all married.
RUTH LEEGE (age 14).

Plainville, Ont.
Dear Puck and Beavers,-I have never written to "The Farmer's Advocate" be lore, and I thought I would like to send
you a letter and tell you about our holidays. We went to Hamilton and stayed a week. Our sister met us a
the station and took us to her boarding place, and on Monday one of the othe boarders took us out, and we went up
the incline to the roller rink. Well, guess it would take too long to tell you all the fun we had. Wednesday we went
to Toronto on the boat, and while we were over there we went
and had a big look there.
For pets I have five bantams. My Frother has five. He is eight years old book. I will close now in the Third tired. STANLEY MERRITT. Twoedide, Ont.

Dear Puck and Beavers,-This is my saw my first one in print, it gave me courage to write again. I have just finished reading Gladys Clark's letter, and wish she would write arm work. I passed into the Senior Fourth book at same teacher this year as we had last. Her name is Miss Orr, and we all like her fine. Well, as my letter is getting rather long, I will close. Hoping that
great w.-p. b. is not hungry when this arrives, and wishing the Circle every success, I remain an interested reader. Foxey, Man. Isle, Ont

## Beaver Circle Notes

 Louise Shales wishes to know what isthe age limit for the Beaver Circle; also
if limit is sixteen. There is no badge for busily "at work, and at play," as Beavers should. We have thought at times of having Beaver badges, but there are so many Beavers that no one could
find time to attend to the badges, so the ideta had to be given up. Honor
Readman, Mary

## Riddles

Why are twice ten and twice eleven the
same? Ans.-Because twice ten are (tivo). and lice elo What is the difference between a fashnable young lady and a butcher? Ans.-One dres
ills to dress. Why is a chicken's neck like a dinner-inner.-Sent by Louise Shales. Why do we look over a stone wall? Ans.-Because we can't look through it.-

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far less time than skilled workmen can apply lath and plaster. the day it is finished, without weeks of waiting for it to set and dry, On account of the lath (and Bishopric is the only Wall Board made with lath) it makes a flat, rigid, substantial wall. On account of the patented
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States a carefully-selected batch
 Shaw, for the great railway magnate, J. J. Hill, of St. Paul, Minn. The male cows are to be placed with farmers along the lines of railway with which Mr. Hill
is connected. Professor Shaw has been the champion in the States of the dairy Shorthorn. He strongly believes them
to be the class of cattle that farmers should have in that country; he considers them the nearest approach to the ideal
dual-purpose animal, and dual-purpose animal, and he considers
there is certain to be a great demand in the States for animals of the breed. As Argentina, South Africa, Canada, etc., have also this summer been customers
for dairy Shorthorns, breeders in Gers Britain may well look forward in Great foreign trade.-G. T. B.

## Trade Topic

 The Ontario Wind Engine and PumpCompany, Limited, whene runs in these columns, have this year put on the market an internal combustion
engine, so designed that engine, so designed that the entire
mechanism is placed in a cam inches in diameter and weighing about 50 pounds. This consolidation of vital parts in a detachable box makes it possi-
ble to send them to a factory or branch house to be adjusted where the work can be done by an expert, saving time of going to the owner's place, and extra ex-
penses which long journeys cause. penses which long journeys cause. This
is real economy. Look up the advertisement and enquire about these engines.

The Spice of Life. A lazy man, regarded as the village
fool, was asked to lend a hand with a piece of farm, work. "What'll you pay?"
he asked. " "I'll pay what you're worth," answered The "fool" scratched his head a min-
ute, then announced decisively. " ute, then announced decisively:
be darned if I'll work for thiat!"
In a certain school, a teacher was giving his class reading. It came to a part
about a woman drowning herself. The teacher asked a boy to read again. He
began : "'She threw herself into the river. Her husband, horror-stricken, rushed to the bank-'"
The teacher said: "Now, tell me why The teacher said: "Now, tell me
the husband rushed to the bank?"
Quick and sharp came his Quick and sharp came his answer:
"Pleases sir, to get the insurance money." "Well, George," said the president of it?" "Fair to middlin,' sir," George answered. And he continued to currycomb
a bay horse. "Me an" this here hoss." George said, suddenly, "'has worked for your firm sixteen years."
"Well, well," said the ing a a little well," suiltily of president, think-
dollar salary
George's sevendolar salary. "And I Guppose you are
both pret both pretty highly valued, George, eh?"
"H'm," said George, "the both was took sick last week, the both of us doctor for the hoss, but they just, docked THE HEN $\AA$ STRANCTR "Of the great industries of earth, we
 knowledged staff of life, the other known
to the world chiefly ener of the suburbanite's dream of an
easy road to fortune ""Of all animal industries," says Milo Hastings in the Canadian Thresherman,
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to intensive agriculture. Cattle-growing
is is but one step above the chase, and is
developed in new and sparsely - settled developed in new and sparsely-settled
countries. Australia has 2.78 brutes per capitralia has the United 2.78 cow States 1.22 :
Encland England $.28_{i}$. Japan practically none.
"Some day we will forget then pork, as we wave forgotten the taste of
venison, and beef will become a by-arod
uct Venison, and beef-will become a by-prod-
uct of the dairy business, but the hen
will stay with us until she is relieved hy
the Che analytical chemist,
made at Niagara Falls."


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Questions and Answers.

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tall. Have sold ten of my imported
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 m. Orutes so, you'll wake up gradal oice, with ore the whote job all at
nimaine itaight five minute ring
You can set him to do it as you choose, and shut him off short in
the middle of his call either way. That makes him two good clocks in one, to suit everybody's taste in
early rising. early rising
He plays no pranks. He won't go your full measure of sleep. He won't go off behind time and rob you of
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ness to run on time, to ring on time ness to run on tim
and stay on .time.

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nd helps you atend to yours by yetand heips you atend to yours by get-
ting you and the fefar hands out earlyThen he sticks around the house and keeps time all day for the women
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Questions and Answers. Miscellaneou Difficult Churning What is the reason we have to churn
so long ? We always chutn an tour and sometimes nearly two hours. We have ng the creamg we know, such as scald water to cool it well. It was the cold when we had a fresh cow

Ans.-Common ca Ans--Common causes of difficult churn-
 advanced in lactation frequently give mill with a hard butter-fat. If you run a eparator, turn the cream screw so as to 3kim a cream of not less than 30-per-
cent. fat. If the weather is cold, bring the temperature a little higher. Perhaps one stripper cow may be causing
all the trouble. all the trouble. Do not fill the churn
ap to half full, and do not turn too fast Ripen the cream quickly with to fall, and do not then
Ren starter of sour cream. Old cream some-
times gives difficulty.

Horse Grunts
for have a horse which has been ailing or some time. The first I noticed was when we stepped him down a step or When driving him single he appeared to be afraid of the shafts striking his sides; also in starting him off he seemed to be
sore in his body. When in the sore in his body. When in the pasture
field he was unable to reach to the feed unless he placed one fore leg forward. Have had a veterinarian attending him for about two months, and on examining
him he stated that the soreness was be-
hind his fore legs. He used mustard hind his fore legs. He used mustard
plasters, and at present we are using plasters, and at present we are using
flannel cloths wrung out of very hot water about every hour and a half during
the day, and put on warm, dry blankets for the night. This seems to give very
little relief as yet, and lately he is little relief as yet, and lately he is
stocking badly in the hind legs. appears to be nothing else the matter appears to be nothing else the matter
with the horse, as he feeds well out of
the manger. the manger.
Ans. -No doubt your veterinarian is
prescribing feed too heavily on graine ile standing idle. A light grain ration, and light exercise, if he is able to take the latter,
should reduce the stocking. erinarian reduce the stocking. If your vetyou had better ad
animal's condition.


Ans.-It is more than likely that
can collect $\$ 10$ service fees. not to him what kind of a calf you get,
or what you do with it. His charge
are based are based on the breeding of the cow
served, and if thes served, and if your cow is pure-bred, and
he is making a regular charge of $\$ 10$ fot
pure-breds served


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draft torsee of all breeds. .but eepecially Percherons,
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met

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Agento wanted.
Dr. Bell, V.S., Kingeton. Ont

Gossip. In our advertising columns will be
found an offering of Leicester stock rams from the high-class show flock of the Bow Park Farm, of Brantford, Ont. This is an exceptionally choice ofering and as the advertisement wil only ap-
pear a limited number of times, it will be necessary for interested partie move quickly.

At Peterborough Repository, England the last week in September, a large numat auction, made fairly good prices, 192 foals averaging over $\$ 150$. The highest
price for a yearling filly was 160 guineas, approximately $\$ 840$. A two - year = old filiy sold for 150 guineas, about $\$ 1,575$, and a colt foal for $\$ 1,050$.

Henry Arkell \& Son, Arkell, Ont., re
port the sale of ninety field rams to port the sale of ninety field rams to a
Northern Michigan ranch. They also state that sales this season have been extra good, and a large number of them have been made through the advertise
ment which runs in "'The Farmer's Ad ment which runs in "The Farmer's
vocate." Look up the advertisement. At the last of the series of auction slace at Inverquharity. Kirriemuir, Scot land, the last week in September, the
top price obtained was 85 guineas, aptop price obtained was the two-year-old
proximately $\$ 445$, for the
heifer Village Vine, by verderer. Two other heifers brought 52 and 53 guineas the same herd averaged $\$ 180$

Here is a story trom "Tha Book ol Glasgow Anecdotas" published by Scribners: A West Highlander who hac
dwelt long in Glaskow, was finally sum moned from it to the bedside of his dy
ing father. When he arrived the odd man was fast nearing his end. For a while he remainerd unconscious of hi son's presence. Then at last the ol
man's eyes opened, and he began to man's eyes opened, and he began to
nurmur. The son bent eagerly to listen. ". 'Dugald,' whispared the parent,
LW'kie Simpeon owes me five billins.' LLuckie Simpeon owes me five ohillins.'
.' 'Ay man ay.' said the sos eagerly

Dougal More owes me sere shillins.
assentod the son.
McCram owes me ten
"' 'Sensible tae the last," muttered the delightyd heir. 'Sensible tae the last.
"Once more the voice from the bed took up the tale. (A An, Dugald. I owe Calum Beg twa pounds.:
"Dugald shook his head sadt
.' 'Wugald shook his head sadly, again' again, wanderin' again, he sighed: 'It's a peety.'
an unintended allusion The susceptibility of the human min
to suggestion is a constant source to suggestion is a constant source
danger. A case where it wickedly danger. A ca.se where kindess o
transformed an act of pure kind
heart into a piece of impertinence is re heart into a piece of impertinence is re
ported by a writer in the Cincinnat Times-Star. Two women principal shop-
down one of the city's pres
ping streets the other day, when they noticed another wornan just in front them. "That lady's waist is unbuttoned
the back," said one to the other believe I'll speak to her about it."
The other looked over the unconscion The other lookenent. Then she shook her head. "I don't belicre that I would say any thing to her," said qbat "I doubt if she
is the kind of persoot" who would appre ciate your kindness. She isn't very
neatly got up, don't you see? He shoes are horribly run down at th "I don't care." said the first woman
"Any one would be glad of a warning that her waist is unbuttoned. It doesn't
matter if slle doesn't seem to be a very nice person. 1 am going to call her at
tention to it." walked up to the stranger
And so she wall woman turned. the would-be benefactor
said. just as swently as she know how "Pardon mas, hut did you know that
your shoes are run down at the hoel?

## 



## Save 30\% on your New Range

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That's sbout 42.000 ist titit And you can save it by ordering direct from the factory (the biggest malleable range plant in Canada.) Dominion Pride Range is the range you would
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absolutely Suarantead to
cure Bone or aboo Spavin, Ringbone, Thoroughin,
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Curb, Capped Hock, Shoe Tuoil, Sprung
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y doctor. For any diplomed veterinary doctor. For any
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NATIONAL STOCK FOOD COMPANY
Ortawa, Ont.

Questions and Answers.
Veterinary.
Brain Trouble.
Pig ten weeks old refused food, walked
around
 Epsom salts. Next day I discovered
that he had black teeth, and I broke them off and gave more Epsom salts.
He ate a little, but had difficulty in
swallowing swallowing. Next day he ate a little
more, but staggered and fell, and walked around with nose to ground. I gave
more purgative medicine. He lifts his hind feet high when walking. $\begin{aligned} & \text { Is this } \\ & \text { W. G. }\end{aligned}$
$\begin{aligned} & \text { contagious? }\end{aligned}$ Ans. - There is pressure upon the brain,
If simply a congestion of the vessels, th treatment you have adopted, that is th
administration of purgatives is administration of purgatives, is all that
can be done. If a growth, nothing can
be done. It is not contagious. can be done. If a growth, nothing can
be done. It is not contagious. As re-
gards "black teeth," this is simply an imaginary disease of swine, and in case should a tooth be "broken off".
When a tooth should be removed, it should be extracted.

Calves with Cough.
Calves have been on grass all summer,
and also fed milk and flaxseed. After harvest they were turned on new seeding,
with a second growth of oats and some ragweed, when they contracted a cough similar to a horse with heaves, and
seemed short af breath. We purged them. One has died. They are now on
rape and turnips. Do you think this is
hoose or husk? Ans.-We do not think it is husk, but if another dies a post-mortem will determine, as the presence of parasites can be
readily detected in the windpipe. If it readily the trouble, it will ibe wise ta em-
be this ploy a veterimarian, es treatment consists in injecting abuvt 11 dram of oil of
turpentine in turpentine in in ounce sweet oil into the
windpipe with a hypodermic syringe. We are of the opinion that they have catarrh, and would adviso keoping them in diry, comfortable, and well - ventilated potassium and 5 grains quinine three times daily, rubbing the throats well with mustard, mixed with oil of turpentine, and then wrapping weitard once daily for two days, but keep their throate well wrapped for a week or longer. Fee well on milk, clover, flaxseed, etc.

Miscellaneous.
A Snake Identified. Am sending a small snake. Would like if you could tell us, through the col-
umns of your paper, what apecies it belongs to.
Ans. $-T h e$ Ans.-The snake was a common, harmLess, milk snake, young, last sprin Commission Men. Can you give me the name of some
live-stock commission men who handle live-stock commission men who handle
feeding sheep and lambs ? feeding-See our issues of October 9th and 16th, articles on Buffalo live-stock market and Toronto live-stock market A Book on Strawberries. Please advise me, through your paper,
whether you have book on strawwerries. Ans.-We have no book devoted exclu-
sively to strawberries, but several book sively to strawberries, but several book
giving special chapters to stramberry giving special be had through this office Popular Fruit Growing, by Sam. B,
Greeno may be had through this office at Sreen, postpaid. There is a very good bulletin on strawberries pubilished by the
Dominion Department of Agriculture.
A JOB FOR THE JANITOR
A JOB FOR THE JANITOR.
It is the custom at a certain for the teachers to write on the blackboard any instructions they desire the
janitor to recelve. The other morning
倍 janitor janitor saw written: "Find the greatest common divisor." "Hullo!" he exclaimed.

Had THE GOODS.
seeking the light.:
the Piligrim.
the Pilgrim.
"Well,"
replied the drug - atare clerk ""we carry antifat and peroxide."

HIGHEST PRICES PAID FOR LIVESTOCR PED ON MOLASSIME
MEAL ROYAL
WARRANT
FINE TRIBUTE FROMMESSRS, PENNISTON: Look for ther Trade of
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Send for circular, telling why I can sell cheaper than others.
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| Brooklim, G. T. R. : Mgrte, C. P. R. Lolumbur | Imp. CLYDESDALES, PERCHERONS Imp.

 T. H. HASSARD Markham, G.T.R., Locust Eim, C.P.R.
Imp. Percherons, Glydes and Shires
 J. E. ARNOLD, GRENVILLE, QUEBEG - Mont Viritoria Clyles \& llackuys gatis 54: TOPPERS IN CLYDRSDALES AND PERCHRRONS



IMPORTED CLYDESDALES
 WHEN WRTING ADVERTISERS PLEASE MENTION The Farmer's Advocate


Prizes at the New National A perusal of the prize lists of the National Live Stock, Horticultural and Dairy Show, which opens at Toronto on some cash awar的 to the lucky exhibit ors. Over $\$ 30,000$ in prize money is to be distributed among the various branches, and the following brief summary is given of the amounts allotted to the different divisions

BEEF CATTLE DEPARTMENT Breeding Cattle Division
Class 18.-Shorthorns-Prize money $\$ 1,590$, ranging from $\$ 75$ to $\$ 50$. Class 19 .-Herefords-Prize money $\$ 870$
ranging from $\$ 50$ to $\$ 20$.
Class 20.-Aberdeen-Angus-Prize mones $\$ 40^{\circ}$ ranging from $\$ 35$ to $\$ 20$.
Class
21.-GallowaysClass 21.-Galloways-Prize money $\$ 224$, ranzing from $\$ 20$ to $\$ 10$
Fat Cattle Division. Class 22.-Shorthorns - Prize mones
$\$ 245$, ranging from $\$ 35$ to $\$ 10$. Class 23.-Herelords-Prize money $\$ 100$ ranging from $\$ 25$ to $\$ 10$.
Class 24.-Aberdeen-Angus-Prize money
$\$ 110$, ranging from $\$ 25$ to $\$ 10$. Class 25.-Galloways-Prize money $\$ 75$, ranging from $\$ 15$ to -.
All roads are good roads. His horse is as sure footed as on bare macadam.

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are easy to adjust, and are so made that they wear sharper with use. They will hold a horse up on any road however slippery, and will give him courage and self-reliance. One trial will convince you.

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Will reduce Inflamed, Strained, Swollen Tendons, Ligaments, Muscles or Bruises. Stops the
lameness and pain from a Splint Side Bone or Bone Spavin. No blister, no hair gone. Horse can be
used. $\$ 2$ a bottle and Book 2 K Free. ABSOPRIME IR
ments. Enlarged Girrained, Torn LigaMents, Enlarged Glands, Veins or Muscles,


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## Aberdeen-Angus Bulls



Two-year-old bull, Middlebrook Warrior 2nd sired by the Toronto Champion, Hundre December 1 st. They are right kind for herd headers or to
rite for prices
FORSTER FARM
Oakville, Ontario

[^1]OCTOBER 23, 1913
Goesip evergreen holsteins. That there is no other herd in Ontario
quite up to the standard of excellence maintained in the great Evergreen herd decisively proven this year at the three leading Canadian shows, Toronto, Lonon, and Ottawa. At the former show erds and progeny, and all the championhips except the junior male. At ottawa cey won eleven firsts, both the aged Cirsts. At London they two progeny
four firsts irst on progeny, an absolutely unequalled estimonial of the wonderful breeding qualities of the Toronto and Ottawa Mercena. whose three nearest dams have records averaging over $25 \frac{1}{2}$ lbs. in seven quality of the herd is not the result haphazard breeding it' may be of interes o note that a number of the older one are the get of that successful breeding the renowned Tidy Abbekerk, record with records averagin of two daughters others are the get of Sir Sylvia Posch, whose sire and dam were both champions at Torozto, the sire three times. Again,
it may not be out of place to note that last year's champion cow at Toronto wa
owned and exhibited by Mr. Hulet, owned and exhibited by Mr. Hulet, an
this year, in R. O. P. test, will easily veech $20,000 \mathrm{lbs}$., and dajughters of hers now in the herd look like more than feats of their illustrious dam. Still added homors for the herd comes from thite year's Helifex and Frederickton Duchess De campion cow, Madelyn Hulet. One of the principal stock bulle in servico is Major Posch Morcena, a son
of this year's double champion, Prince Abbekerlk Mercemau and out of last year's and Ottawa champion, Madam Posch Pauline. From the foregoing, it
will be seen that from the standpoint of show-ring quality and show-ring breeding,
the Evergreen herd is in a class almost by themselves, and coupled with this are bye high offlial records and high offlialrecord backing of the herd. All com-
bined make the merd a most desirable fined make the herd a mopt desirable one
from to gelect herd-headers and breeding females. Anything in the herd

Book Review.
a new corn book
Two main reasons may be given for
the appearance of a new and admirablyillustrated volume, entitied ""The Corn bublished by The Macmillan Co., Toronto and New York. The capable author is Crops in the New York State College of griculture. The volume is called for ecause corn ranks first among all the reat coranls in importance, being surIn the next py poce, although no plant has received so much attention in America with a vielv to improvernent, production Under most faverable conditions, 150 to 200 bushels per acre have been produced. but the everage yield is only about 26 bushels per acre. The book deals ex nd cultural conditions, so that it apwho lealike to the student and the farme Who looks at the subject mainly from the corns, including the sorghums and broom given point, such with, and where any not treated at length, there are refer ences to special treatises. The early nated in Mexico, and became quite gen eral in North and South America by the year 1000 A . D. For Canada, the book
is timely because of the ever - increasin attenticn to corn-growing. Copies may -stactage paid.

## Wild I,ady

cab himmor
your horse ever shy
(aliby-"Lor' bless yer, no, lady; 'e
in't sern shy mhen railwey trains fust

ou already know that we believe the Hupmobile to be the best car of its class in the world.
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ou will see the valves-and every working part of the tected from dirt and grit

The dealer will tell you that this construction requires a greater amount of expensive

The fact that the Hupmobile uses a greater amount of costly spring steel is another impressive item that sets it abov cars of its class.
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But cars of lesser quality could not not give the diy-in-and day-out economical and satisfactory service that is the big
feature of Hupmobile ownership on the farm fad fa thecity.
So we spend more money in design and conatruction that you may have longer life and service in the fupmobite.
We shall be glad to have the nearest dealer give you a thorough demonstration if you will say

Hupp Motor Car Company, Deek N, Windsor, Ontario.






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 Nothing to get out of order.




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 20 poundre ecrew holes at side ior mplete troug
ncludes otrainer and coupling ior $\%$ or 1 in. pipe Fuller information and prices given on requeat. bruce agricultural works.

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 A. W. smimte MAPLE LODGE, ONTARIO Sprieg Jalley Shorthorns A few of the best young bull prospects we ever
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too. Visit the herd ; we think we can suit you. Particulars on application. EYLE BROS., R. R. No. 1, Drumbo, Ont
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bull. DR. T. S. SPROULE. Markdalate, Ont. DON JERSEY HERD $\begin{gathered}\text { Offers young } \\ \text { buls } \\ \text { and } \\ \text { and }\end{gathered}$
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Shorthorns and Clydesdales $\begin{gathered}\text { Shorthorn offer- } \\ \text { ing for } \\ \text { and Noverober } \\ \text { Nover }\end{gathered}$ include 7 good young bulls from 9 to 15 months old. A A catalogue of our Clydegalaes a will November empiled
on application. W.G.Pettit \& Sona, Freeman, Ont. Aell 'phone Burlington Jct. Sta., G.T.R.
 heifer, were all sired by bulls of my breeding. I have now for sale ten young herd
headeros t tis sham pion-producing ouaity. HARKY SMITH. HAY P. O., ONT.
Exeter Station. Long-distanco Telephone. 1) Rerecords ahow that cattle bought from the Salem CIORA. G.T.R. and C.P.R.
Brampton Jerseys $=$ matuay

Gossip.
Clydesdales for Canada shipped from
Scotland the last week in September Scotland the last week in September,
were consigned to R. A. Snowball, Chatwere consigned to R. A. Snowball, Chat-
ham, N. B.; Wm. Colquhoun, Mitchell,
Ont., and T. H. Hassard, Markham, Ont. SHORTHORNS AND LEICESTERS AT SPRUCE LODGE Pure Scotch and Scotch - topped, the
large and well-balanced herd of She horn cattle, owned at the Spruce Lodge farm of W. A. Douglas, Caledonia, Ont.; are the result of over half a century's
breeding along lines of continuen provement. Very many of theno good for 40 lbs. of milk pa day for months after freshening. Coupled with
this is modern type and fleshling this is modern type and fleshing quali-
ties-the kind of cattle the trade is asking for to-day-and to supply a portion \&rom ten months to three years of age trom ten months to three years of age,
the predominating features of which are high quality and exceptional merit. The
majority of them are got by the nowned breeding bull, Imp. Joy of Morn-
ing. Others are by the ing. Others are by the Missie bull,
Royal Star. Parties wanting breeding Royal Star. Parties wanting breoding
females will make $a^{i}$ big mistake not to get in touch with Mr. Douglas. Three of the Lot are daughters of Imp. Beauty
32nd. The Leicesters need no words of 32nd. The Leicesters need no words of
commendation. For many years bred to the choicest imported rams obtainable in England, the flock stands second to none,
and from their ranks have come very and from their ranks have come very
many of the leading winners on sides of the line: For immediate sale are fifteen shearling ewes, sired by an imported ram, and bred to an imported
rain. Also a big selection in shearling rain.
Also a big seloction in shearling
rams and ram lambs. An early order guarantees an early selection, and the trade to-day demands the best.

MAPLE BLUFF SHORTHORNS. For nearly fifty years, Maple Bluff Stock Farm, the property of A. J. Howden,
Columbus, Ont., has been the home of the best in Shorthorn cattle, and during
that time, through systematic breeding that time, through systematic breeding,
changes in type have been brought changes in type have been brought about
principally along the line of earlymaturity and better-doing qualities, making the breed for beef production more
profitable for the ordinary farmér, and profitable for the ordinary farmér, and
while the Maple Bluff herd have been While the Maple Bluff herd have been
abreast of the times in the matter ${ }^{-}$o modern type, a section of the herd have
received particular attention along the received particular a.ttention along the
line of milk production. These are al line of milk production. These are all
of the old Atha tribe, originally of Batés breeding, and certainly among them are some that are most profitable from a
dual-purpose standpoint, and of these for dual-purpose standpoint, and of these, fo one bull call. In the pure Sceteh end
one of the herd are Marr Emmas and Missies,
Cruiekshank Villages, Duchess of GlosCruiekshank Villages, Duchess of Glos
ters, Butterlys, Kinellar Clarets, Cruick shank Nonpareils, Miss Ramsdens, Crimson Flowers, Duke of Northumberlands. and Bridesmaids. The get of such wellKnown sires as Imp. Butterfly King, Imp.
Spicy Count, Imp. Lord Kintour, Imp. Waterton, Imp. Broadhooks Golden Fame and the Mina bull, Prince of Pine Grove practically all of the younger ones ara
the get of the big, thick, red Lavender bull, Lord Lavender 70558, a bull thal bred nemarkably well at the head of this herd, as the dozen or more nice, thich one- and two-year-oid daughters in the
herd are proof. The present stock bull is Nonpareil Lord, by the Cecelia-bred son of Imp. Ben Lemond, Ben Cecil, dall limp. Dalmeny Nonpareil. He is a roan
particularly even in his fleshing, and should do well on the big, thick cows of
the herd. Anything in the sale. Particularly A attractive is the bi
selecticn of heifers, selecticn of heifers, low-down, and splen
didly fleshed. They are ande net Young bulls of near serviceabele age is a
roan, n ne months old, a Kinellar Claret and evenly fleshed, is nice in his linns, Ind should develop is nice a bull of more
han average merit. Another is a red Men-months Marr Emma, by Lord Lav-
-nder, and with an imported dam. He and will certainck, mellow, young bull another is a red six-months-old
illage, by Lord Lavender, and whose
an, by Imp. Waterton. is and-sister Lady Aberdeen 2nd, winner for two - Shorthorns. Mr. Howden your want

OCTOBER 23, 1913

RavhursE.T.CARTER\&CO.

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charges for returning furs
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wo Aylmer Ave. The Maples HOLSTEII Ilerd

 WALBURN RIVERS, FOLDENS, ONTARIO Glenwood Stock Farm 2 Yearing





Questions and Answers. Miecellaneous

 $\underset{\substack{\text { Ans.-See page 1293, of our issue of } \\ \text { July } 24 \\ \text { C. last. }}}{\text { of }}$ I Wall Chipping. brick under mall of large, poorly - burnt
bling ofr some, and are are crumbling ofl some, and are worse where
water runs down them and freezes on. Can you toll me any way to save this
wall ? had thought of plastering it with cement and lime, and then washing
it with cement. Any information will to with coment. Any information will
be vory thankfully roceived.
A SUBSCRIBER. Ans.-If the comont plaster or wash
could be made to stick, it would wikely aid in proserving the wall, but there
would likely would Painting the brick might aid in saving them. You might try a little of
the coment.
Have any of our readors tried a coment coating on brick? Dutch Sets.
How are Dutch eets propagated? produced oniona one-hals inch to one inch in diameter. Are they Dutch sets? If
planted next spring, what will they produce?
Ans.-Your onlons are bets. Sets are
ugually produced by planting 80 lbs. or more of seed per acre, and delay seeding
until the latter part of Mey until the latter part of May. This treat-
ment crowds the seedlings, causing them to grow very small. From one-half to three-quarters inch in diameter is the desired size for sets. If planted early, in rows about one foot apart and thre
inches apart in the row, they will pro duce good, marketable onions by the first duce
of Jul.
first.

New Ontario.

1. What kind of climate is that of
New Ontario? Does it keep cold late New Ontario? Does it keep cold late
in spring, and does it get coid early in in spring, and there much snow ? 2. Is it a good 户arming country?
Does it grow wheat, oats, rye, alsike Does it grow wheat, oats, rye, alsike,
and alfalia? 3. Is it a good country for growing
vegetables, such as onions, carrots, tomatoes? it a proftable country for bees,

 depends largely upon latitude. o | course, frosts weather remains later in spring than |
| :--- |
| cold |
| On southern Ontario. The snowlall is | in Southern Ontario. The snowiall is

asually quite bievy, 2 , The clay grow very well in good sections.
8. It in a good vegetable country.
4. Properly cared for, they should 4. Properly cared for, they should do
Wedl in some sections. ${ }^{5}$. Yè. The Temis

## Horse Queries.

1. What is Standard-bred horse Is it a roadster or carriage horse ?
2. If two colts are sired by the same 2. If two colts are sired by the same
horse, and only three days difference in their ages, and both the mares are about much larger and better, should it be lass? Both colts are Standard-bred, nd are sired by barous. eighs 1,035 pounds.
3. Has a judge the right to take the
entry book in his hands and look it over before giving his decision? F. W. Ans.-1. The Standard-bred is a pure
breed, a mare whose sire is a registered Standard-bred and whose dam an 1 granbred horses, is considered pure-bred, pro-
vided she as a record of 2.30 or is the Any mare sired by a Standard-bred horse, and with two daughters having records
of 2.30 is eligible. There are other are usually lighter and speedier than
carriage, the latter being larger, heavier built, not so sperdy, and higher acters.
4. It might be necessary to throw out
such a colt.

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 Oxford Downs Cholee ram and ewe ming tock 810 , 812 each, aleo yerrimg prismo and For Sale ${ }^{- \text {A nice lot of Regithred } \text { Lincolm }}$ Vor Sale rem and ewe lambsed aloo somene 3. W. Edwardo, R.R. 4, Watford P.O., Ont. Sirropshire Smeep for Salo Pedicreod Shropehtree Sheeriting Rama and Ram W. F. Somercot. - Port Sydmey, Ont. .SPRINGBANK OXFORD DOWNS We aever had as choice a lot of lambe as this year. R. R. No. WM. BARNET Fergue Ontario. 'Phome. Tower Farm Ozford Downe-16 shearliler man, erive, ramo and Ame. hamber pilt from -ymorroid E. Darbour, Erin P. O. and scua. L.oD Dophone Oxford Down Sheep, Shorthorm Cat-
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Questions and Answers.
Miecellameous.
A Patent
"Would you kindly, let me knowi, through "The Farmer's Advocate", whether there
is a patent or trademark on Scott's
Emulsion Emulsion ${ }^{\text {ant }}$ 's. tered trademark, and the necessary patent tored trademark, and the nec
to protect the manufacturer

Hyaro-Electric and Trees. The hydro-electric line is cetting off
some of my orchard. The tress are fust some of my orchard. The trees are just
starting to bear. They are about 12 years old. Would like to know how much I am entitled to for each tree, by
law?
E. A. s . Ontario.
Ans.-Ther You are entitled to reasonable compent. You are entitled to reasonable compensa-
tlon. whatever that be;' and if you cannot agree with the commission upon the amount, you may have it determined by
urbitration. rbitration
Calf Paralyzed-Top-dressing Fall It would put it paralyzed when it came. front ones, and push its front logad back. It was a large calf, and in good condition. It got so it could walk around, when it couldi not goul take spelis When it could not get up or move
around. Will it got over it without any remedy? If not, what remedy would you advise to use, and would it be ad-
visable to keep it for a breedin'g cow ? visable to keep it for a breedin'g cow
Call is three months old. 2. When is the best $t$ fall wheet? Ans.-1. The $\begin{gathered}\text { R. L. }\end{gathered}$ seoms to be congenital with your call to name birth. We are not in a position case. We would advise you, however not to keep same for breeding cow, but opportunity.
2. There appears to be no best time to top-dress fall wheat. One thing must be avoided. though, if possible, and that
is getting on the ground while soft After the wheat comes up, in the late autumn, winter, or early spring, all lend
themselves as favorable periods for this operation. Keop in mind the wash sloping land. and danger of cutting sof land, and apply when most convenient. Cows Fail to Conceive.
1 cannot get my cows in calf. They
are all in good condition, sleek and are all in good condition, sleek and
thriving. They go about three months after calving before they come in season.
I always breed the first time. Then they appear to be with call till about the seventh or eighth week, when they come in season and we go through the
process again. Last year I had to sell four cows out of eight. I bought four more to take their places, and three of
them and one of my own stact get with call thila year. I have tried try a Jhorthorn bulls. Some advise to like to do this, as my cows are grade
Shorthorns. I never see anything came Shorthorns. I never see anything come
Prom the cows that would lead me to believe they abort. In winter I feed ebout ten pounds mixed chop per cow,
those in full millk, with hay and silage.
Ans.-From the description given, we
are inclined to think that the trouble is contagious abortion, although it may not
be. Sometimes cows, be. Sometimes cows lail to breed, due
to a disease of the ovaries, and when this is the case, nothing can be done, but
it is scarcely likely that so your cows would be so troubled. many of
tagicus aloortion dies tagicus alortion dies out in from Con-
to three years as to three years as a general thing
Would, if possible, keep the cows whic
are carrininy calwe ".th craing calves away from those not
Nhere is al possibility that C.W lispase is spread by the bull, but :wain somptimes advised ns a Rran aning $n$ course, as
be sure that this is is core, the we could nogious abort ant

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