


Vol. XLVIII.
LONDON, ONTARIO, FEBRUARY 20, 1913
No. 1065


Mr. Farmer! you are paying for good fences Why not have them?

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a field. Even on a
vean on
and is alwaysthe on asmostron rad there top box to the lowest point of the tire.
Petrolia Che Chatham take these stresses and strains as a matter of course. neckyoke to tail board they that sort of work. From
dried lumber, coming back as straight and true as ever to strains but is removed. Besides being tough, IH C wagons are
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cally all of the same high standard of quality You cannot do better than to equip your farm with i He C wagons. The I H C local agent sells the wago wagon at his place of business and get cataloguee and literature from him, or, address your request to the
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THE FEDERAL LIFE
ASSURANGE COMPAN
Hamilton,
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Vol. XLVIII
EDITORIAL.
A. new record for late dates in silo filling has been made by a number of farmers near Clarkson, season's corn crop the last few days of January.
$\qquad$ corn is a practice which seems to be commendable oor seasons of short corn crop, and poor septem heljeye the alfalfa might hetter be made into hay One of the best things that can happen rur neighborhood spirit, with unity of aim and operative effort that will in turn develop a
worthy pride in the farming and other achieve meats of the locality.

That public school systems of which so much farming, the country's mosi. essential industry becominer one of the chief factors in rural depopuprogram of educationed reform.

Advertisers when sending in cony for their a separate sheet of paper from the correspondence By so doing, the matter will be more convenientmisplaced. $\qquad$ . Rev. John McNeil, a distinguished British preacher, now stationed as pastor of a Toronto church, in the course of a recent address at an
annual banquet of life insurance men, wound up by proposing a new degree that deserves to
crowd some of the other often ornamental initials "LL. D.," he declared, that a man should." seek to have after his name, but "W. D." standing for
"well done,"
$\qquad$ city man's cost of living. The farmer can proby killing his own fat stock and keeping a quarter of beef, or mutton, or a side of pork ring solves the problem There is a wide margin prices in the values on the farm and retai old Irish saw has it, "There's a sight 'o miscel-
laneous eatin' in a pig."
$\qquad$ ter results with alfalfa silage than with corn sib are, we wonder what their corn silage is like made from heavily eared hill corn, well matured A Middlesex County correspondent touched thi point up about right. He did not think his alfalfit corn mixture was just as good as first-clas better than silage made from corn that was was well-matured or cobbed. Where the proportion alfalia was small, even this criticism might not
$\qquad$

LONDON, ONTARIO. FEBRUARY 20, 1913.

All Shoulders to the Wheel. Canada is a big country. She has men of
ig ideas, and men willing and capable of carrying out these ideas. Canada is a growing and expanding country, and the present is an epochmaking period in the history of many of her in-
dustries. Agriculture is the stiff backbone from which radiate all the strong ribs which go to
form the framework of our rising nation; but agriculture has not reached its greatest strength, time, in many different ways to place it on a sounder, more economic basis than it has ever
previously attained in this country previously attained in this country. It must
be kept before the people-not only Canadian-
born individuals, but also the countless thousands yearly flocking to our shores
$\qquad$ chain of "showing" the people agriculture, and terated agricultural exhibition, where all the
"thrillers" come from the farm as live-stock, grain, fruit, or other products. Many of the
hreed societies in annual meeting discussed the hreed societies in annual meeting discussed the cultural exhibition, and all were strongly in
favor of the project, such exhibition to be held
under the patronage of the Dominion Department of Agriculture, and run exclusively by farmers, of special crops. What an impressive show such could be made.
Such a show, if inaugurated, would of necesSuch a show, if inaugurated, would of neces-
sity be a winter event. It could not well be
held in the autumn, as it would clash with the held in the autumn, as it would clash with the
great fall exhibitions. In short it would be a great winter agricultural exhibition, comprising live-stock (fat and breeding classes) and and
products of the soil. Every province in the Do-
minion would be represented, and the best Canminion would be represented, and the best, Can-
ada produces would be on exhibition. Truly a
good way to demonstrate the best types and the best methods in successful agriculture.
A few weeks ago there appeared in these columns an article dealing with the subject of a
large winter live-stock show-for this country, and the term there used was "International" the idea being to give our American cousins an opportun-
ity to compete. Undoubtedly, whether the exhibition is known as "National" or International,
competition from the States of the Union will be invited in the open classes, the same as at the in September. The wider the scope of the show the greater its interest and value.
What a splendid opportunity this would be for ing competition altogether out of consideration Anyone who has attended the great "Land
show," held annually in Chicago, could ap-
preciate this fact. Chicago has a National Dairy Show, an International Live-stock Exhibi-
$\qquad$ Three wonderful exhibitions. Now Canada does but she has a place for one really great exposiresentatives of all these interests stand together e great enough to overcome all obstacles. Thi rreat "three in one" is what is needed, and all
$\qquad$
to push the matter, something is sure to follow. All plans must be carefully laid, and equipment arranged to accommodate increasing entries from tory, as has been amply demonstrated time and again.
Situated at the most central point in a city large enough to accommodate the crowds, placed
under careful management and above all things run as a strictly agricultural exhibition with fairness, and consideration shown to all, with back of it, success is assured.

A Minimum Fat Per-Cent. The Canadian Jersey Cattle Club at its annual tions, one being an expression of opinion that no cow should be enrolled in the Canadian Rec-
ord of Perfonmance unless registered in the Canadian National Records, and yielding mills with
an average test of at least three per cent. but"Naming no names," it is tolerably safe guessing the mark at which these broad general obser-
vations were directed. Without meaning to excite any unbrotherly breed rivalry, we would
probably be not far wrong in surmising that there is a spotted "nigger in the woodpile." So far as registration in the National Records is concerned, it is but fair to point out that the
facilities of the Record of Performance scheme were offered to the Canadian Holstein-Friesian breed society in Canada not in the National Records. Protest on this score comes, therefore,
too late.
The other position taken by the Jersey breeders opens $\bar{a}$ nice point for consideration. There legal whole milk shall contain not less than
three and a quarter per cent. (3.25\%) of butter fat. The Ontario Milk Act is less exacting, but even it forbids the sale for human consumption of
milk containing less than three per cent. fat. Cases are cited by Mr. Reid, Secretary of the
Jersey Cattle Club, of cows enrolled in the Holstein oflicial records of production with an average test of less than three per cent. butter fat.
This milk if sold unmixed with the milk of other cows would be, from a legal point of view,
adulterated. At least it would not class legally as whole milk. While the average test of any
breed of cattle in Canada would run well above three per cent., there are individuals which fall
below. Furthermore, without gainsaying the enorbelow. Furthermore, without gainsaying the enorof the Holstein cow, it is to be noted that where
Holsteins have largely supplanted other breeds, there is a noticeable decrease in the test of the
milk, and a persistent increase in the number of milk, and a persistent increase in the number of
pounds of milk required to make a pound of
cheese. To the credit of Holstein cattle be it cheese. To the credit of Holstein cattle be it
said that there are many good-testing strains, and breeders have shown a commendable enter-
prise in seeking to diffuse the blood of these strains. We hope this effort will continue, and
that by selection the average test of Holstein milk may be raised. Meantime there is something to be said for the Jersey breeders' josition, al-
though it would seem rather a hardship to diśqualify an eighteen or twenty-thousand-pound
cow yielding over five hundred pounds of butter fat, because her own individual milk did not
come up to the legal standard. Probably it is

THE FARMER'S ADVOCATE AND HOME MAGAZINE.
ERE LEADNTG AGRICULTURAL JOURNAL IN THE DOMTNTION.

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$\qquad$ JOHN KThd, mavage

Cadroen-
EIT WILLIAM WELD OOMPANY (LIMTTBD)
LONDON, CANADA.

## one of those cases where discussion may serve

 action.
## Cows Must Pay Their Way

 ly heard to say that the man who did most val uable work in the foundation and development of the Shorthorn breed was Bates, because he produced a "smashing" good beef animal, which was, at the same time, a great producer at the Shorthorn, a very valuable introduction, for, had it not come, the evils of incestuous breeding which Bates had produced. Pedigree craze and the thick-fleshed Scotch type held sway for many years with many breeders, with little or no attention to milking propensities. Those were the days of cheaper land, less costly production, andbeef could be made pay a fair profit regardless milk. The final destiny of all beef animals, no matter how long the pedigree or how flashy the type, is the butcher's block. That must not be lost sight of. Just so soon as heef, fancy or common, cannot be produced at a profit, just so
soon must those engaged in its production change their methods or quit the business. Peter White, retiring president of the Dominio Shorthorn Breeders' Association, put it in his address at the recent annual meeting of that Asless she pays her way, and yields a profit at the pail."
Sponsors of the dual-purpose cow have been ridiculed by some of the breeders of the
specialized breeds. Shorthorn breeders, who have been putting forth a strenuous effort (and not without avail) to produce profitable milkers and
profitable beef producers in the same animal, have been the "butt" of many a scathing criticism, yet Bates did it and, while he over-did in-
breeding, hundreds of the heavy-milking Shorthorn breeding, hundreds of the heavy-milking Shorthorn
cows of Great Britain to the present day

Shorthorn herd in the world to-day, that of Wm Duthie, Collynie, Scotland, say that the nations of the herd are not kept in show-yard condition flesh swinging large and well-filled udders. In short they are milkers as well as beef producers. The greater portion of the milk of the world's metropolis is produced by just the class of cow which the "milk specialist" calls an impossibi ity-the dual-purpose cow.
For several years there has been in Canada a movement on foot to establish milk records for Shorthorns, and at last it is to bear fruit Bulls from heavy-milking strains are in demand, horn's ability forl the ignored sho shor still believe she can do it, and to prove it stin believe she can do it, and to prove it a established for the breed and official milk records published as an appendix to each annual volume of the Herd Bòok. Milk records have done much to increase production in the dairy breeds, and are sure to work the same good for Shorthorns, Shorthorn cows have been known in this country to produce over $10,000 \mathrm{Ibs}$. of milk in a single milking period, and the calf has grown into a number-one beef steer, in fact the champion steer at the Eastern Ontario Live-Stock and Poultry show in 1912 was a son of one of the heaviest milking cows in the Shorthorn herd at the Central Experimental Farm, Ottawa. As good a type of beef steer as has been seen in many cow which, in the herd at Macdonald College, gave over 8,000 pounds of milk in a year. A pure-bred Shorthorn cow of Bates breeding our herd at Weldwood, under very ordinary farm conditions has yielded 8,500 pounds of milk in ten months, having been bred to calve twelve months after the commencement of this period Even more remarkable was the record of a fine
big, straight roan Shorthorn grade, which, with only three good quarters, yielded 9,500 pounds in twelve months after dropping a particularly fine call, and sold readily to the butcher fo seventy dollars, killing out a particularly good and heifers have been produced profitable steer vield a profit in milk. That Shorthorn wreeders have faith in the ability of their cattle breeders up to expectations and fill the bill, was evidenced when W. A. Dryden, of Brooklin, introduced the resolution. previously referred to, and when it was carrid unanimously by the large and repre sentative number of breeders present. The reason that our beef cattle of the present day have been such poor milkers is not the fault of the cattle, but of the breeders who, pressing o towards the pinnacle of beef fame, lost sight en
tirely of the fact that any cow, no matter what the breed, from her maternal instinct should be and must be a milk producer. Beef at the present time is profitable. So is milk. The two combined are the right thing for the mixed farmer, and now that organized effort is being
put forward in that direction, satisfactory results may be expected.

Maintenance, the Great Road Problem.
Toads is not construction, but maintenance. Her is the weak spot of most systems, the crucial looked. "The Farmer's Advocate" has all along
recognized this fact recognized this fact, and is pleased to observe
this emphatic opinion from the United States Director of the Office of Public Roads importance of maintenance in connection with the work of improving the roads. The people in
nearly all the States are filled with enth nearly all the States are filled with enthusiasm
for road improvement and are spending enormous sums of money in the construction of superb
roads, and yet, almost without exception, they are making little provision to care for the ruad after they are built. This is true not only in
the various counties, but under many of our State highway departments. "To maintain the roads in good condition year after year requires a considerable annua loss which must fall upon the people eventuall if they allow their roads to go to utter ruin
per mile estimated by the engineer in charge to be sufficient for the proper maintenance of the road-a course which must make for economy and
This argues strongly for a system of provincial aid towards the maintenance of Ontario subsidized county roads, rather than the increas
the grant towards construction of new roads.

## TAKE NOTICE.

We ask every subscriber to examine the date on the address label of his paper to see if due credit has been given.
Sometimes subscribers pay local people, publishers or postmasters, who fail to report promptly, which causes trouble.

If you have not paid for 1913 , please send us express order or postal note.

A Banker's View of Our Banking System.

## Editor "The Farmerjs Advoca

As a subscriber to your valuable paper, I have read with interest the various articles and comsues. As one who has spent a rumber of years in the service of one of these banks, and has given some thought to the matter, permit me to occupy a little of your space to give to your There are over twenty-two thousand banks in the United States, and during the last fifty years here have been five panics, during which there has been a genəral suspension of cash pay nents.
Everyone remembers the panic of 1907 , aul thuse who had any business connections with the States will recall the difficulties experienced by all classes of business 'men' there, owing to the impossibility business. In England, until the latter part of the nine-
teenth century, the business of the country was carried on, in general, by numerous small oneUnited States to-day, and that country experienced panics during which there was a general suspenand of cash payments in 1825, 1836, 1847, 1857 stock-company banks began extending through the opening of new branches and the absorbing of small institutions, with the result that there in theen no general suspension of cash payments strong position of these joint-stook bank to the Bank of England was able, at the time of the Baring crisis in 1890, with their assistance, to save the situation. "Branch System"
Canada has the "
Canada has the "Branch System" of banks, sion of cash payments for mora than seventy
yone years-not since 1837. In 1907 than seventy
not even not even demand the fifteen days' notice on time 'To this system of Branch Bank tant concentrated control of Canadianiofinancial matters, we owe largely the prosperity of the country and our immunity from disastrous panics.
A great deal has been heard of late about the A great deal has been heard of late about the control the Banks for their own benefit and to the detriment of the farmer in particular, and to lack of knowledge of the banks and banking generally. A survey of the banks and banking
of the vists of shareholders of the various banks would reveal, at once, who
the controlling interests are, and it would be found that it is the people of Canada in general
who are the owners of the majority of Canadian bank shares-not any particular "interest" or
interests. Therefore, the control of the banks lies Every shareholder has the pood his heart, so when the time arrives to elect, directors the bank's interests bese best fitted to look after the bank's interests are those elected. We have,
therefore, men ort the directorates of our monetary institutions of sterling of our great tegrity, whose reputations are country-wide-i some cases world-wide.
diversified as the interests of the interests as country in which it does business. people of the bering, or farming interests exclusively, or for for the protection of itselp and its depositors "the
aggs must not all be in one basket." This fact alone, to my mind, is sufficient to dispel the fears that the "big interests"" are getting what they
desire, while the farmer goes begging. The his
tory of nearly all our bank failures proves the danger to a bank in placing
in any one class of enterpris.

To give the public the best service is the aim of every bank, it for no other reason than that
it is good business to do so, because competition is keener nowhere than between banks.
is keener nowhere is necessary to open branches.
this servece it in
Some are loaning offices-that is, they are situ Some are loaning offces-that is, they are situ-
stod in a community where the demand for loans is much greater than the amount of deposits the is much greater than the amount of adeposts they
receive.
Others are deposit offices, in which the receove. exceed the demand for loans. The sur-
deposits plus deposits of one branch are used at another
where there is a deficit, but never to the detriwhere there is a deficit, but never to the detri-
ment of the local borrowers. Seldom, if ever, ment of the local borrowers. Selaom, if ever, bo dench, so a bank must, of necessity, have both
bend of ofices, as one complements the other kinds of ofilces, as one complements the other,
and, taken together, gives to the institution a and, tetaken together, gives
properly balanced business.
Under our branch system it is possible to open branches in places so small that independent single-ofice banks could not exist in them. Thus the farmer and country merchant is enared io
enjoy the same banking facilities as persons in the largest communities. In fact, it has been my experience that the man doing business with a country branch receives better attention and ob tains better rates in the large centres.
The Bank Act gives to the banks the right to issue notes to the extent of the paid-up capital,
and in addition, to the further extent of fifteen per cent. of the paid-up capital and rest during
certain seasons of the year, subject to a five per ent. tax. These notes are secured by deposits with the Dominion' Gavernment of five per cent. of the average annual circulation. This fund may be used to pay the notes of any defunct bank, and the notes are also a first fien on the i ans solus
sets. The holder of any bank note is absolutely secured therefore. These notes furnish an additional working capital and enable a branch, which would otherwse bit is not oreat however. H . M. ${ }^{\text {a }}$ P. Eckhardt, in his book, "A Rational. Banking
System," estimates it at 2.47 per cont, and he System,", estimates it at 2.47 per cent, and he
urther gives some interesting figures regarding the way the note issue affiects branch profts.
On page 184 he says: "Suppose at the hypoOnetical branch in quastion the deposits are \$130, 000 , the loans and discounts $\$ 100,000$. of the dect to interest at three per cent. The average ject to interest at three per cent. The average
rate on the discounts is six per cent. come from such a branch might be : Interest on loans, $\$ 100,000$ at six per cent. equals $\$ 6,000$;
exchange, commissions, etc., $\$ 1,200 ;$ gross proexchange, commissions, etc.," $\$ 1,200$; gross pro-
fits $\$ 7,200$. The outgo : Interests on deposits, aries, rents, taxes, and other expenses, $\$ 5,000$; total outgo, $\$ 7,700$. The
charged to head office is $\$ 500$
Now, the hranch must carry an average of for drawing purposes, $\$ 1,000$ in silver coins and and
find $\$ 4,000$ in small notes of $\$ 1$ and $\$ 2$ denominations, That makes $\$ 8,000$ cash funds carried. As the
deposits exceed the loans by $\$ 30,000$, the branch draws that much of a surplus from the locality. And as it is using only $\$ 8,000$ of this surplus for its own purposes, a balance of $\$ 22,000$ has been put at the disposal of the head office. Finally, owing to the payments of the bank's own notes
at this branch, the note circulation of the whole bank is greater by an average of $\$ 50,000$ through the entire year. Allowing for a cash reserve of
$\$ 15,000$, or 30 per cent., a against the branch's \$15,000 or or 30 per cent., against the branch's
circulation, the parent bank gains the use of a further sum of $\$ 35,000$. Thus the bank obtains the use of $\$ 57,000$ from this particular branch at a cost of $\$ 50$ per year, or less than one per
cent. .87 per cent. to be exact).
Under these cent. (. 87 per cent. to be exact). Under these
circumstances the branch is proftable, since it is usually no very difficult for the head office to
invest the funds at a profit over that ratio of
Mr. Eckhardt goes on to show that without the right of issue this same branch would only
have a surplus of $\$ 2,000$ at the same cost-viz. $\$ 500$ per year, or 25 per cent. It is clear, there
fore, that the privilege of note issue granted to the banks does not mean as much to them as the public imagine. It does, however, enable them
furnish a banking service in the smaller places, second to none, and the public reap a greater benefit from it than the banks, not only in in-
creased hanking facilities , hut in lower rates chargerl for loans. chargecl for loans.
It is is imposible ogo deeply into this subject
in such a plimited space, but I trust I I have succeedell in making the resolutions between the cha tered banks of Canadn and the puhlic somewhat
clearer, and, in showing that the banks are not
weapons in the hands of powertul interests, who are grinding down the farming community, but
are, rather, great financial institutions, operating

Douglas Heir [13171] (16425).

systems in the world, governed by men who are working for the best intereastsed of of men whad, ware are
in the final analysis, means their clients and REDMOND D. BLACK.

## Cost of a Trip to Britain.

Editor "The Farmer's Advocate.
As several people have asked me various questions regarding our trip to the old country, hem through the medium of idea to answe Advocate," which is the great encyclopedia for all Canadian Yarmers. A great many think that they cannot get away for such a trip, that they get along without them; that they could not afford the expense, and a great many others give what they consider good reasons for not enjoying themsellves. way we were an io fact wery much in
the same way of thinking to think what the world would stand still if we were out of it, but this is a great mistake. In the end of last May myself and wife left housekeeping, bookkeeping and farming, And housekeeping, bookkeeping and farming, And
there were two sets of public books to keep, in which no one but myself had made an entry for
the last 30 years. WV had no care minds, never worried about anything and when we came back we found everythins had cone on just as well without us, and the books baalanced up to a cent. A trip to the Old Country is a great educator, and we met a very great number
of very fine people, who were befo entire strangers to us. And our minds were broadened; in fact I believe it was as good to us as a like ierm at the University, and then we saw and
visited a great number of relatives and friends visited a great number of relari.
whom we had not seen for years.
Now as to cost. We travelled 2nd. cabin, and the ocean and railway tickets for hoth of us cost Some have asked me if we could not have travelled steerage, and thus have saved some money. The steeraye would not be so bad going
over. but comin, back $T$ would not think of it. over, but comme fore 1 wrum with whom we Canhere are so many foreigners with whom we
adians don't care to be in to close contact. helieve that the steerage of to-day is pretty nearly as good as the second cabin wais the first time that I crossed, forty years ago. No, I
would not advise any Canadian farmer to go steerage. And if I had monev to burn, I would not care to go saloon. I think that you winl, generalily speakng, meet with a more sociable Iriendly class of people, whose company you can
enjoy in the second cabin, than you will meet in the saloon. More Jiberal too. The collection taken up for the Seaman's Orphans "Home at the
concert in the second cabin, was consideratbly concert in the second cabin, was considirathly
larger than that taken up at the concert given in
the saloon. And our board in the secoad cabin
was everything that anyone could wish. The very best food served in the very best manner.
In regard to the tips to the steward, I ailn regard to the tips to the steward, I all
ways thought that the steamship company gave whys hought that the steamship company gave hem good wages, and that the passengers paid
their fares and were not under any obligation to
tip the stewards very handsomely. One man told tip the stewards very handsomely. One man told me that he handed the steward 50 cents, but the
teward said that was no use to him, of course he expected that the man would give him a
dollar, but the man quite coolly replied, well, it dollar, but the man quite coolly replied, well, if it is of no use to you it is to me, and he put
it in his pocket again. He asked me if I thought that he did right. Why certainly, I re plicd. A voyage across the Atlantic with pleasant companions is very enjoyable if you are no
seaslck, and I think that seasickness can be very much prevented by giving the systern a thoroug course of medicine, and have it in good working order before going on boand
Railway fares are much cheaper in the Old
Land than in Canada. We travelled from LiverLand than in Canada. We travelled from Liverand then down through Scotland by a differén route, down through England to old London, and
back to Liverpool by a different route, thus we practically travelled nearly the whole length of both Scotland and England, and stopped off tearly any place we pleased, and it only costs ivorlith
over $\$ 60$ for us both. Street-cervi tares over $\$ 60$ for us both. Street-char fares are gen-
erally very low. In most of the ctitegryongican erally very low. In most of the criegly 21 (5 cents) will take you a long ride. We had a motor ride up a beautiful glen 16 miles out, and
the same distance return for $\$ 1.00$ each, vory good value for the money. Of course, at some of the famous summer resorts fares may be
little higher. One can take the steamer little higher. One can take the steamer a
Liverpool and go over to Ireland, and trave over the whole length of the Fmerald Isle at a cost of about $\$ 25.00$, exclusive of hotel bills and lunches,, and these are moderate. In Old Lon-
don, the Metropolis of the world, we lived at a very, comportable private boarding house, and the very comportable private boarding house, and the meals, our room cost just 60 cents a day, Our
hreakfasts cost 16 cents each. Dinners and teas hreakfasts cost 16 cents each. Dinners and teas
25 cents each, everything of the best. There are any number of good restaurants in the cities in the Old Land where good meals can be had for from 25 to 50 cents, and even in the good
hotels where one night may have to be passed two people can have supper, bed and breakfast for $\$ 3.25$, and in some places for much less. The
return fare on the ocean steamer costs. a. little return fare on the ocean steamer costs a little
more than going over. Say about $\$ 10$. There more than going over. Say about \$10, There ticket.
Unless a couple are very extravacant, they can
take a trip to the Old Land and have a good
take a trip to the Old Land and have a good
time on $\$ 500$. If they have many kind friends time on \$500. If they have many kind friends
to entertain them here and there, perriaps
a ittle less might do, if not, perhaps, it inight .

THE FARMER＇S ADVOCATE
take a little more．Now don＇t begrudge spend－
ing so much，take the good of your money and ing so much，take the good of your money and
enjoy it，and let your families earn their own money；my father，used to say that no one understood the real value of money unless he a world of truth in that remark．A sensible farmer in paying out some money made this re－
mark：＂Money is like manure，it is of no use un－ mark ：＂Money is like manure，it is of no use un－
less it is spread．＂Perhaps some may read this，
when they were married had neither who，when they were married had neither
the time nor the money for a wedding
trip．Well，take it now，better late than never trip．Well，take it now，better late than never
is an old saying that is very true．You will is an old saying that is very true．You will
feel ten years younger when you return．D．L．

## HORSES．

Compulsory stallion inspection should not be
long delayed．Horse Breeders＇Associations are unanimously in favor of it，and，in fact，no dis－ senting voices are heard．Thorough inspection ould get rid of the inferior sire，and once he is one his place will be taken by the right kind
 prove a large money－maker，and as the profits accruing therefrom are to be used for the further－
ance of the Standard－Rred horse in．Canada，this

## Inspect the Stallion

With stallion enrolment in torce only about months in Ontario，horsemen are now con－ optional inspection．Some criticize the act say－ ing that it is no good，but such criticism scarce－
ly seems just．All are agreed that it does not go far enough，but what important measure does
at its first inspection？We must agree the at its first inspection？We must agree that the
enrolment and optional inspection was a step in enrolment and optional inspection was a step in
the right direction．This is evidenced by the pulsory clause．Human nature is prone to many idiosyncrasies．It is much easier to coax than to drive the populace，and horse breeders are no
exception．Had inspection been made compulsory the first shot from the legislative gun，there would have been no end to adverse criticism of the bill．Criticism would then have been de－ for the improvement of the bill which must ap－ peal to all as in the best interests of horsebreed－ ing．Some of our horsemen are afraid that it
will cause a shortage of stallions，but the horse will cause a shortage of stallions，but the horse
industry will not be injured by the loss of the inferior sires，and there will be a living and a good trade in many districts for a first－class
horse，where the＂scrub＂now gets the mares be－ cause of the low price be better type of stallion
doing business and the will get the patronage，and when there is work for the good horse，there will be plenty of men
to purchase one and stand him for service in the community．High－class sires are not over－plenti－ ful but with the supply in the homes of the breeds to draw on together with the large number of noted studs in this country，a reasonable supply
is assured．Besides such an act will make ready sale for the best type of Canadian pure－ bred entire colts－colts which are certain to be
far more valuable to the industry than the non－ far more valuable to the industry than the non－
descript grade．Inspection is sure to come，and
until it does and even afterwards each breeder should be his own inspector，and use nothing but
the horse that he is sure is right in every way． the horse that he is sure is right in every way．

## Advance the Hackney

 At the annual meeting of the Canadian Hack－ney Horse Society，recently held in Toronto， committee was appointed to wait on the Dominion
Minister of Agriculture asking him to grant as－ sistance to tackey statalions on the same basis
as Thordughred stallions are now aided bviz． sis Thordughbred stallions are now aided－viv．，
as
the owner of every stallion complying with the rultes to get $\$ 250$ from the funds of the Live
Stock Branch at the close of ench senson When this grant was made to stallions of the Thoroughbred breed，it was one because it was
then believed that this hlood was necessary for the improvement of our light horses．The main
object in view was to produce a loeter class of saddle horses or army mounts，and to add＂hot＂，
blood to our＂coldiblooded＂＂mares．Hackney
bloedty thit＂hay low breeders think they have some claim on such
money and that the Hackney sire is also
valualle in the eimprovement of our light horses． The Hackney is generally thought of as a
fancy carriage or high－stepping horse，but colts from a Hackney stallion and a common mare may the very fair saddle horses，according to some
noted authorities on the breed，and on saddle
horses yenerally．Some of the exhibitions in the

Old Land include in their programmes classes for saddle horses got by Hackney sires．The Council
of the Hackney Horse Society of England has decided to give prizes for such classes at their
coming March show．Writing on this subject in coming March show．Writing on this subject in
the Live Stock Journal Almanac，Sir Walter the Live Stock Journal Almanac，Sir Walter
Gilbey，England＇s．foremost Hackney breeder，says Gilbey，England＇s foremost Hackney breeder，say
in part＇It is not the first time that such
classes have been included．Some fifteen years classes have been included．Some fifteen years
ago－in 1897－the prize list embraced two such ago－in 1897 －the prize list embraced two such
classes for riding horses got by Hackney sires one for saddle mares and geldings up to 15 hands hands．Both classes filled well，the former bring－ ing 21 and the latter 17 entries；and as far as
support was concerned，these support was concerned，these classes might have，
bsen retained as a feature of＇the show＇ever since．＂ The nurturing and developing of the breed as a harness hofse was the real aim of the work，
and it was thought inadvisable at that stage of the society＇s history to continue it；but，says about large changes．The main purpose of the society is achieved，for the place of the Hackney as our finest carriage horse is established ；and
the increasing हैe of the Hackney sire to get the increasing ofse of the Hackney sire to ge purpose is not generally known，make it expedi purpose is not generally known，make it expedi－ as a saddle－horse sire．＇
Continuing，he says：＂For several years pas some of the most successful among the animals have been horses got by Hackneys．Their breed－ ing is not openly stated；the conditions ．o
entry do not requice declaration eatry do not require declaration of their breeding
and the Hackney blood in their veins is not al ways acknowledged；this reticence regarding their Hackney origin is due to the prejudices entertained against the breed by the riding men ＂The idea that Hack
to the saddle－horse has long been is detrimental there is no foundation whatever for the belief on the contrary，those who care to inform them－ selves of facts have only to see what has been
done，and is still being done，on the Continent where Hackney blood has．been of the utmos value in building up breeds of saddle horses Nowhere has its utility been more fully demon
strated than in the State studs of The article referred to goes on to say that foreign breeders are reconizing the value of the Hackney as a sire of saddle horses．

The greater number of Hackney－bred winners
county shows in Fngland Thoroughbred dams，but the owner in the of has shown a tendency to lay more stress on the Two classes are Thoroughbred blood．
previously referred to，based on the March show horse standard of weight－carrying power．In on the
each class the ond each class the horses must be sired by a Hackney
stallion，and are to be shown in stallion，and are to be shown in saddle and
judged on riding action．＂The idea that the Hackney cannot beget a saddle－horse dies hard The Hackney，properly mated，is an ideal sire for saddle stock，and the revival of classes to enter which Hackney parentage must be acknowledged
is a long step in the right direction＂． This is restoring the Hackney to his ancient
use，for in the earlier centuries the Norfolk trot－ ters－the ancestors of our modern Hackneys－ were the real road horses of England and were has been developed during the last 50 years
Crossing with Crossing with a Thoroughbred modifies the ex tremely high action and makes a very desirable
riding－horse．The trot of a harness－bred Hackne could never be considered suitable for a saddle－
horse，but the Hackney energy is valuatle when his gait is blended with that of the smoother
going Thoroughbred，or going Thoroughbred，or even a good trotting
mare，the progeny has paces well suited to the
saddle saddle．
Many of these proofs，coming as they do from Walter Giilhey，should carry some weight．${ }^{\text {Sir }}$ The
Hackney must have．and suroly could properly used，a heneficial effect upon the blood
of the light mares in Canada．But would it not Hackney stallion to astablish the rights of the
Hire of saddlers，or a better class of useful drivers，by including，a class trotting horses at some saddle or Hackney－sired
England is dernonstrating the ouding shows？ this way．Why not try it here，whether the not？If such aid to give the asked－for aid or
noter granted to the Hackne may not be deserving in their case，but a similar
patition was mentioned at the annual mentina the liony breeders It wis year．And this is not thing，from draft horses to hantam rovery usually comes through＂self－help．＂．The procheme
of giving prizes for saddle－horses sired by Hack－

[^0]ney stallions looks like a good one．Show what ket and in the economy of the country is

## Higher Quality Shires

Canadian Shire breeders in annual meating a
couple of weeks ago in Toronto discussed length the matter of improving the quality of Similar discussions ing in regard to feathering， Agricultural Press of England taking place in the ＂Live Stock Journal＂recently expressed himsel thus：＂This question，an abundant quantity hair on the legs of Shire horses，is simply one of the showing of certain breed of live arise when ses mainly into the bands of exhibitors rathe than of the breeders and users of animals． has been the same in every branch of the live－ called－line breeding for some kind，it may be so－ points，and excessive growth of hair on the cart－ horses legs，where it is a nuisance rather than face or cheels or face，quantity of wool on the long snouts，and tremendous ear ；large heads， as in the plast，short snouts，heavy jowls and wide shoulders，feathery legs，long legs，and other ads amongst poultrymen are all signs of the passed from practical and useful to fancy having ＂When expressing my doubts as to the utility extremities，or，as some on the Shire horse＇s these four extra caudal some has called them， not taken to a limited amount of objection is filky hair，as this is invariably an indication of Fortunately and muscle and endurance． Fortunately，Canadian Shire breeders are not
exhibitors and exhibitors alone．They are bree ers and users，and keep Shires not as are breed－ or their utility．New blood has come from England，the home of the breed，and styles and
types in this country have been governed by styles and types to a large extent Too large a quantity of hair，and especially coarse hair，is not of any particular value as far indication of quality． glossy，silky kind of feathering does of the fine improves the animal＇s appearance，and is a sure one．In a strong，flinty，high quality of Canarian Shire it means quality throughout． determining to reduce undue amounts a stand in ing and to improve quality．

## LIVE STOCK．

## Stock Interests Show a United

 Front．Seli－satisfaction has caused many a downon The greatest progress is usually made when the and is pushed that he is on the right track． or other circuinstances efiorts by competition of our best known period of their breed＇s of live－stock，in a frone to think that nothing can hametimes are industry to mar its future can happen to the with an area as large as that of Canada country porting meat seons less than eight millions，im morting meat seems absurd．Yet that is，ius－
what has been happening of late．Whether the ailed to continue satisfied with their lot and people is where the blame rests breeds before the
cult to say．It it is diffi－ one of them．Thit is quite probable that it is The annual．Things are taking a difierent turn． and there was a spirit of unity permeated was a spirit of unity of purpose which fail to make itself felt in the near future．An
avakening is at hand．Breed societies have
aelegated relegated to the far remote preed societies have
indices，and all breed pre－ jurices，and all the associations now breed pre－
gether with but one purpose－the further to anada＇s live－stock industry．－The furtherance of
good in the breed fostered how that breed to be scoffed at by the champal－ of some other breed．Every progressive breeder
should be proud at by the champion should be proud of the breed upon which he
chooses to put forth his best efforts，but his
pride in those to which hould never be which his particular fancy turns nther good breed by＂hageling＇＂or unfair criti
cism．Canada has some of the best live－stock in
the world hasn＇t enough of it．But if we may is that she the tone of the speeches at we may judge from
society meetings in Toronto various breed－ society meetings in Toronto this month，more
high－class horses，cattle，sheep and pigs may
snon be found grazing off the luxu ${ }^{\circ} \mathrm{F}$害苗官 thu
aber
the 1
 $\begin{gathered}\mathrm{Ag} \\ \text { nivers }\end{gathered}$
g of
ainst gainst
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ough
bed me

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of our fertile fields, and being fed in the well 50 cents per bushel, hut made a slight decrease by anyone else, because he caters not only to fris
reguated stables ord all breeds prosent ach united push hisk front to show the people that there is no possible way to get along without good stock,
nd thus do the greatest good to the greatest and thus do to gre greatest goo to the greatest
number of agriculturists and, at the same time, number or agrock industry, for in unity and num-
to the live-sto
bers there is strength. Stick to the policy of to the there is strength. Stick to the
bere
the legitimate "boosting" of live-stock.
Experiments in Lamb Fattening. Extensive experiments have been carried on Dy the Agricultural Indiane in connection with the feedUniversty, lombs. Timothy hay was tried out
ing of lambs
against clover hay, corn silage was tested as a roughage in large and small amounts, and cottonseed meal was given a rair test as a supplement
to other rations for finishing lambs for market. to other ratios fed were of Western origin The following summary constitutes the con clusions anno a
proved a very unsatisfactory feed for fattening proved
lambs.
Lambs fed shelled corn and timothy hay were very unthrifty

Lambs fed shelled corn and clover had made more rapid and more economical gains than those
fed shelled corn and timothy hav. A ration of shelled corn and clover hay pro
duced better finish on lambs than $a$ ration o shelled corn and timothy ha
A ration of shelled corn, cotton seed meal and
clover hay, produced faster and more economical gains on fattening lambs than a ration of shelled corn, octonseed mean, and timothy hay.
Lambs fed shelled corn, cottonseed meal, and Lambs fed shelled corn, cottonseed meal, and
clover hay, accuired a much better finish than
and others
meal aud timothy hay.
The addition of corn silage once daily to ration of shelled corn and clover hay did not
affect, to any appreciabfe extent, the rate of gain ailect, to any appr
on fattening lambs
The addition of corn silage once daily to a ra-
tion of shelled corn and clover hay slightly re duced the cost of gains on fattening lambs, but did not greatly affect their selling value.
Lambs receiving silage once daily and ciove hay once daily, ate approximately the same quantity or hay as of siag.
The grain consumption was affected very little
by the addition of silage to a ration of corn and clover hay.
ciarbs. fed silage were never unhealthy, and
never showed any unfayorable symptoms. never showed any unfavorable symptoms.
The addition of corn silage to
$a$ sholled corn, cottonseed meal and colover hay, did not greatly, affect the rate of gain nor the finis
on the lambs, but did affect a small saving in cost of gain
Lambs receiving rations of shelled corn,
cotonsed meal, clover hay, and silaige, ate the same quantities of grain when silage was fed
twice daily, as when it was fed once daily twice daily, as when it was fed once daily.
Lambs receiving silage twice daily ate les hay than those receiving silage once daily. Lambs fed silage twice daily made approxi ately the same gains as ains, and acquired hetter finish
rye ents were produced by feeding lamb arge quantities of silage.
The ration of shelled
The ration of shelled corn, cottonseed meal,
lover hay, and corn silage, proved to be the beser of the, and corn silage, proved rations fed in these trials.
bet The addition of cottonseed meal to a ration
of shelled corn and timothy hay, increased the apof shelled corn and timothy hay, increased the ap
petites of the lambs for both grain and hay. The addition of cottonseed meal to a ration
shelled corn and timothy hay improved the of shelled corn and timothy hay inproved the
thritt of the lambs, increased the rate of gain,
docreone to ecreased the cost of gain, an
the selling value of the lambs.
The addition of cottonseed meal to a ratio of shelled corn and clover hay, did not greatly
affect the appetites of the lambs for either grain The addition of cottonseed meal to a rating (average of three trials), affect the cost of gain but made slight decrease in cost of grain when
corn was low as 40 cents per bushel, but made slight increase in cost of gain when corn was
above 40 cents per bushel. of shelleod corn, clover hay and corn silage, had n effect on the rouchage consumption, but slightly
increasell the grain consumption in one of the
three The addition of cottonseed meal to a ration of shelled corn, clover hay and corn silage, slight-
ly increased the rate of gain, and added to the elling value of the lambs. The addition of cottonseed meal to a ration
of shelled corn, clover hay and silage, did not sfect the cost of coin when corn was valued at

## Judging Beef Cattle as to Points.

In judging beei cattle, the breeder has much to learn from the butcher and from studying the may represent a great deal of difference in money values. The animal of improved breeding will carry his weicht well where the hich-priced and choicer cuts appear. Two steers of equal flesh, too, may represent a vast amount of feeding
difference, one of them fattening readily on the difference, one of them fattening readily on the
same feeding management that the other will receive with hardly any perceptible returns. Such
differences are common in a mixed herd of cattle but not in the herd that has been carefully built rom a good plan


Fine Type of Lincoln
Champion at Toronto and London, 1912
Owned by
A local hutcher recently declared to me that there existed a retail difference of $\$ 5$ per 100 lbs.
between the value of the high-bred beef carcass and the nondescript that resulted from indis criminate crosses and scrub breeding; this for the finished product. That there is an equal dif
ference in the feeding and finishing qualities of the nimal of natural high beef tendencies and those which respond only reluctantly to the highest eeding and the best of conditions, any feeder with the present price of grain in his mind, is wal steers standing side by side may represent, tie one a hands'eme profit and the other an equal tie on
loss.
What What is true of individuals is no less true of hat every animal contained in it gives simila results, and of the second such an uncertain ele ment that its various members represent extremely
different degrees of profit or loss. Fortunately


Tamworth Sow.
First in aged class at Toronto and London. Owned
pearance of most animals in advance whethe however, 1 is isely to prove profitable receptacles of high-priced feeds ; but of far greater importance than this to the breeder of breeding stock, is the ability to tare likely to produce profitable what animals are likely to prod the subsequent reproduction of their kind.
Many of the judging points considered by the hive-stock expert ore them are not, though they are equally important. Some of them vary in importance, too, depending upon whether tha animal is being considered as a feeder or from the
butcher's viewpoint, or strictly as a profitable breeder. The relative value of all should be un-
derstood, more particularly by the breeder than
own interests, but also to the requirements of every judging quality is quite as much a part o his business as a knowledge of how to feed. In selecting an individual for breeding pur-
poses, notice should be taken of the position. in which the animal is being held, as a bit of uneven lessen the prominence of some defect, so that it will hardly be noticed. Practically all live-stock judges approach the animal from the right side head and neck, and beginning the actual handling in both beef and dairy breeds at the shoulder. From the shoulder the hand goes to the back and
over the loin, which, on account of the highpriced cuts here, is a very important feature to consider, and one in which a good many otherwise excellent cattle fail. Here note the covering of the ribs for signs of natural flesh. If de-
ficient, the ribs seem open, and the finger tips may be readily inserted between them ; otherwise there is resistance. The mellowness of the flesh and character of the skin are usually noted quarter and the flank From a position squarely behind the animal, the development of the hind quarters and width of the back are studied more fully; then the examination is practically resome of the points we have Laken and the reason for considering them
Animals well developed at the points where the choicest cuts or meat he are especially pleasing that type of steer which gives evidence of being easily developed or "filled out" at these points. For the breeder, however, although he must consider these, there are other characteristics, some of them of as great or greater importance. Two specially important points the breeder
should have constantly in mind in making his selection are constitution and natural flesh. With the first of these the butcher has little concern, and it is only of relative importance to the
feeder ; but to the breeder the entire future success of his undertaking depends in a great measure apon the vigorous constitution of his stock. To indicate this, the ribs should be long and hooped,
so that ample room is provided fori the vital organs and the stomach; the chest broad and deep, indicating ample breathing capacity, and the nostrils wide and full.
Aside from thrift and vigor, which come with
good constitution, nothing surpasses in a good constitution, nothing surpasses in import-
ance the natural flesh an animal carries. This is not the acquired fat which may be put upon any animal to a greater or less extent at the feed rough, but to the red meat or muscle which no is so essential in first-class beef, marbled in with the feed-bin product. This is a quality that cannot be acquired. It must be the nature of the characteristic is more certainly passed down from generation to generation than this teadency. Hence no other quality is more necessary in the bull whioh is to take his place in the breeders yards. A bull that is deficient at this point ke-
trays a weakness which renders failure of the trays a weakne
The nervous system of the breeding animal is
vastly more important than to the butcher and can hardly be given too the butcher stee For practical purposes all cattle may be divided as of nervous and phiegmatic temperaments, al though the term nervous, as here used, does no and quick excitement which is commonly ated with that term. Rather the nervous temperament indicates strong and well-developed nerves, the senses and all the bodily function
alert and prompt, but under self-control. phlegmatic type tends rather to sluggishness, and may in many cases even be a deficient feeder, although some of that class take on flesh quite though, is almost always of the phlegmatic to type By all means the breeding animal should have a strong and well-developed system of nerves. and mellow flesh Usually , fine bone, soft hide it is an easy fattener, although sometimes the rough and coarse steer will outgain the other owing to a more vigorous constitution. This is owner must watch constantly in order which the members of his herd with enough quality to show the size of smooth finish, and still not impair Sometimes an entire herd in which this feature size, and verdone becomes so reduced in bone, decidedly coarse in his tendencies will work a vast improvement, though it is much better to so judge the successive generations that neither ex-
treme in herd or hull will be desirable Johnson Co., Ill. W. F. UNDERWOOD.

Some Live Questions on Live Stock Editor 'The Farmer's Advocate.'
As it seems to be the desire of our agrricultural press that the small breeders should re ceive greater recognition at our large agricultural exhibitions, kindly permit me, as one of tha Ilass, to present my views of the case. breeder to receive any material benefit by exhibit ing his stock at those -arge fairs, because we find such a large proportion of the best prizes
won by our importers, dealers, large breeders, won by our importers, dealers, large breeders,
and governments also who haye spent large and governments also who have spent large
sums of money in securing the best specimens of
the breeds they the breeds they are interested in, and, while giving them all honor and credit for the grand our country such valuable animals, the blood of which, though parhaps largely, diluted, must
eventually find its way into the studs, herds and eventually find its way into the studs, herds and
flocks of the smaller breeders, how can we comAgain as long Again, as long as the present prize-giving ceive any benefit, because of the inevitable result of that system. $\left.\begin{array}{c}\text { Prior to forty years ago } \\ \text { it was the custom, in our public schools, to }\end{array}\right]$ give a reward of merit to every pupil with the hope of encouraging them to greater efforts. About forty years ago it was discontinued, be-
cause, while undoubtedly encouraging a few of the brighter pupils, it discouraged the many who were not so brilliantly endowed, and, yet forty
years after we find this same system practiced, are offered in each class, but we find exactly the same results benefiting and encouraging the few larger breeders, discouraging consequently not much advertising of our stock. Under such conditions why should we exhibit? Adding a few prizes would not help. The larger On the other hand our
On the other hand our large exhibitors would
not be benefited if we should exhibit our stock because when we farmers and stock breeders visit those fairs we go to see the very best specimens to see a lot of stocks, possibly very meritorious,
still may be not much better than we could at home. Neither would we increase the educative value of those exhibitions; it is the very
best specimens available that would and should be used as object lessons. They cannot directly benefit us. We are no "drawing card"' for them. And yet we are greatly, although indirectly, perers are undoubtedly encouraged, and anything which adds to their success must be felt through all the branches of our live-stock interests. Where would we small breeders get our material by reason of multiplication, by production of their superior stock are enabled to sell to us smaller breeders at lesser prices than at what
they purchase? We, again for the same reason, multiplication by production, can sell to the larmer to improve his stock for commercial purposes at a lesser cost than at what we pur-
chased. I believe our large exhibitors and smaller ones also are doing all they can do for our live-stock interests under that system.
While possibly injurious to the the "circus,",
agriculturist, are doing very little, if any of our to our live-stock interests. Are those interests so fragile and weakly as to be damaged by such
attractions? If so, would some kind reader atractions? If so, would some kind reader
please explain? Why criticise and condemn our
agricultural /boards of management, unlesg to prove the criticism and suggest a, remedy. Is
it not reasonable to suppose that the directors it not reasonable to suppose that the directors
of these societies, representative men as they of these societies, representative men as they
are, interested in live-stock interests as they
must be, are doing all in their power to must be, are doing all in their power to
further these interests? How came we to be
wiser than they ? But because the warger exhi wiser than they ? But because the larger exhi-
hitions appear to encourace the large exhibitors it does not necessarily follow that the smaller
it exhibitions encourage the smaller breeders, beexhibitions encourage the smaller breeders, be-
cause here again at many of our township and cause here again at many of our township and
county fairs the large breeder is again in evi-
dence, reaping the just reward of his labors. The dence, reaping the just reward of his labors. The
same prize giving system is also in force with the
same results. Is it not a fact also that the same results. Is it not a fact also that the
greater part of the pure-bred stock, raised in any
district, is sold long distances from where it was raised, very little being sold in that neigh-
horhood or in the territory covered by that fair?
Then, why exhibit at the smaller fairs if we must find other means of reaching our customers?
Are the small fairs doing any good to the livestock interest, or to any other branch of acri-
culture? Doubtful. Are ther educative in the
judging of live-stock? Very little. All the stock judging of live-stock? Very little. All the stoc
being judged at the same time at our small fairs it is only possible to see one class of stock
short course on stock judging also. Is it not
because our agricultural societies have because our agricultural societies have lailed to
impart this information? If they are a success in this respect why spend government money in
duplicating this service? Also of what benefit duplicating this service? Also of what benefit is a two-bushel bag of prizewinning hand-picked
grain to the cause of agriculture? Does it en-
courage clean farming, or does it insure that reasonable amount of good clean seed could be purchased from that exhibitor? Are not our seed fairs and standing field competitions
shoots of dissatisfaction with existing cond tions? Are they not more likely to succeed in encouraging clean farming and guaranteeing good clean seed than the system practiced
our small fairs ? This is a business not do business by business methods? If our small fairs are not helping agriculture, why spend government funds in perpetuating this system? How does the stallion inspection law affect
the small breeder? Is it of any benefit? Ver little. The crying need of the horse industry in Canada to-day, in the draft breeds at least, is more really good siros. I very much doubt
there is in Canada to-day a really there is in Canada to-day a really good draft greatly overtaxed, unless protected by the com mon sense of his owner or an exorbitant service fee. Many of the best accept from five to ten
or eleven services a day in the breeding season even then turning some away, which must then be bred to a sire inferior to that to which the owners wished to breed. Many farmers at present are breeding to what they know to be in-
ferior sires who are not so much sought after because, at present high prices, a tolerably fai foal is a good deal better than no foal at all Why is there such a demand from the "West" fo our Canadian-bred stallions, many of them pretty fair, but a large number of them, though regis
tered, not even the making of good geldings there being many better specimens of horse flesh working in the streets of our cities? Does it
not emphasize the need foi a vast number of good imported stallions? Private enterprise unless the owner has quite a number of good
breeding mares, cannot meet the demand. $\$ 1,000$ breeding mares, cannot meet the demand. $\$ 1,000$,
$\$ 1,500$ or $\$ 2,000$, stallions are a rather risk speculation for private enterprise, because, owin to the scarcity of really good mares in many districts, the service fee cannot be placed high
enough to receup the owner. Government stallions, at a reasonable fee, is the only adequate solution of the present condition of the horse industry. Surely if we are wealthy enough to build a great national highway from city to if we are wealthy enough to contribute $\$ 35,000$, Ooo, with hints of more to follow, for an addition to Britain's navy, or if we are able to which in all probability may never be needed, w should be able to finance a scheme, the original
outlay of which would be materially reduced by outlay of which would be materially reduced by we have the stallion inspection license law nice harmless measure, apparently not intended to meet the requirements of the present, but more especially adapted for the needs of the
hereafter where conditions are already perfect. The mountain labored and brought forth mouse. Does it not seem reasonable that our government, having spent large sums of money
in attracting settlers to develop the West, and having thereby created the demand for increased motive power to develop it, should also make additional grants for the purpose of producing
more cood horsos to all the settlers so atment of that part of our country is undoubtedly
retarded by the scarcity of good horses. Government money for everything, else why not for Would a great National Dairy Show be of any benefit to the small breeder of dairy cattle?
No. Would a show of dairy appliances in con nection therewith enhance its value? Not at advertise their wares to our doors selling them to us on trial, why then go to a dairy show to
see them? What benefit was the dairy tew the St. Louis Exposition to our dairy cattle in terests? Did it prove, because those Jersey producers. that the Jersey hreed led all other
breeds in economical production? simply proved that those Jroduction? No. It test were more economical producers than the
representatives of the other breeds so tested. Did it prove that, because those Holstein
cows did not finish the test, the Holsteen breed
of cattle are quitters? Not at all of cattle are quitters? Not at all. It proved
nothing of any practical benefit to our dairy
hreeds. Have not the Holstein cattle risen in
pullic favor more rapidly puhlic favor more rapidly since that test than has
the Jersey hreed? Yet they were proved quitters.
Their pormlarity is due to the weekly monthl yearly official test. The Fonstin breciders are dow,
ing business in a business manner hy, business
proves that after all the intelligent care It only on them by their breeders, after all the en couragement supposed to have been given en breeders by our agricultural exhibitions, after all the educative influence supposed to be imparted
by the judges (past masters of their art) in by the judges (past masters of their art) in th
show ring, after all the supposed ben three-day tests, it was possible for a benefits ol to outrank her beautiful, bossible for a gradeoded, probably $\$ 500$ or $\$ 1,000$ sisters in the most important function of a dairy cow. Not a very strong
recommendation for our methods of improving recommendation for our methods of improving
the dairy qualities of our cattle. Did it prove
that the Holstein bull that aired that the Holstein bull that sired this champion ship cow was the most potent factor in her
splendid performance?
bred it did, and he was spendid performance ? If it did, and he was
bred to a Holstein two-cans-of-milk-per-day cow should not the product of that union be a whole ing will do morre for our dairy cattle than all the national dairy shows, three-day tests, and agrichtural exhibitions in existence. Is it and Is it necessary to test the dairy qualitiess age? beefing breeds? Yes. The presence of of inferior beef cattle on our live-stock markets is largely due to the insufficient development of the qualities of any breed of cattle must The dairy determine the value of that breed of cattle to the live-stock interest of our country, even in our beef breeds, if the grade females, produced
by crossing and recrossing to that breed not profitable producers of dairy products are not prontable producers of dairy products our
farmers, who are the real judges and testers of our breeding operation, will discard them, and the males that would have been produced by this
crossing to the beef breed and that would been good 'heef animals, are obviously not avail able for the beef trade. Unless the dam by her dairy products will pay her way the deficit can-
not be gained, and a fair profit returned by
finishing her son inishing her son for beef.
ing from the beefing ago our farmers were turnShorthorn was not in evidence at that time they were forced to resort to dairy-bred sires of the dairy breeds in order to produce profitable pro-
ducers of dairy products with the inevitable sult of producing inferior herifers. The farmers
of the "West" are to-d of the "West" are to-day crying for the dairy
Shorthorn. They also have rejected the beefing typerthorn. They also have rejected the beefing
But more than this the Shorthorn breeders, the creators of the beefing type are turning to the milking Shorthorn rejected by its creators. could any greater evidence be found proving find at our Great Winter Fair go ? And yet we ing type is encouraged. Why should we small
breeders exhibit our fat cattle at Guelph would we be benefited? How cat Guelph ? How
a fat-stock showing benefit the live-stock interests when it has been rejected by those interests wh What
educative influence has a fat cattle show in reeducative influence has a fat
ference to the beef industry?
We find that many of our most successful
Shorthorn, Ayrshire, and Holstein breeder ers of long experience, some of them having the added knowledge of their father's operations, breeders who have benefited by showyard success,
are finding it necessary or expedient or perhaps fort to organize combination public auction sales Or the profitable disposal of their surplus stock. Herein lies the solution of the greatest difficulty public auction sales were established in the winter, preferably after Jan. 1st., at convenient
centres where suitable accommodation could be provided, where the small breedation could be one, if he wished, might offer his surplus stock or sale, it should greatly facilitate business be-
tween seller and buyer ness in a businesslike way, by business methode in a business age. It way, by business methods
in be the quickest and The rend inde indicator of the trend of trade. The trend of trade is the infallible guiding star of our breeding operations, because if the grades
produced by the pure-breds do not meet the requirements of the trade they were intended to fulfil they will be rejected by the caterers to that
trade. By the test of the public auction sale it trade. By the test of the public auction sale it
would not have taken a century to find the need for the milking Shorthorn. It should prove a
greater educator than our agricultural exhibitions, national dairy, or fat stock shows. At privilege of handling sale we would have the
the catalogue showing animal, we would have the catalogue showing the breeding and other de-
scriptive foot notes, scriptive foot notes, would see the actual value
put upon our breeding operations by put upon our breeding operations by the buying
public, the judges with whom we must finally
deal, would see what ing were most popular. The young man contem better where-bred stock breeding would learn better where to place his cash, and the breeders
horses. When that day comes, if cheap passenge
horee could be secured, and part of the Govern gent granc to our arricult purar societies could be
mirected toward lessening in part, or alt directed toward lessening in part or altogether
the freight rates on pure-bred live-stock to the the efight rates on pure-bred live-stock to the
Wesit, it should boom the live-stock interests of Canada. Yearly official testing and the public
auction sale will do more for our live-stock in turests than all other agencies our that have bee
exerted in its behalf. exerted in its behalf.
York Co., Ont.
[Note.-We cannot agree that the INote.-We cannot agree that the small breed ang good show, whether it be large or comparatively small. Outside of our "millionaire" farmers, who farm for pleasure, the greate on a compatively amall scale, and their show yard winnings were not always as they now are Fair competition cannot injure any breeder, large or small. The public realize that all cannot
win, and the second prize animal may be just win, and the second prize animal may be just as
valuable es the first. The exhibitor's animal is never injured by being rightfully beaten by superior individual. Our importers and extenIt is little honor to win where one conpetition prises the class. The system of awarding prizes ahould not discourage breeders who fail to win awarding in that there might be more and better arranged classes for young breeders and new ex-
anditors and hibitors, and after all the difference in the matter of numbers of stock rather than so much
better quality of stock. There is little to hinder man who shows one horse or one cow from having that one as good as one of the "large"
breeder's swenty or fifty. We are often too easily discouraged.
We cannot agree that the entries of the
smaller breeder do not help the exhibition, pro smaller breeder do not help the exhibition, pro-
viding these entries are creditable. Small entry ists mean lack of interest invariably and while preciated by the onlookers, in case he does not
win, there are always a number present at the ro have good stock, and any entry of a type appeals to them whether it wins or ort
end besides thereis always a chance for difference of judgement. "Thrillers" and attractions take
large amounts, of money hhich might be spent large amounts, of money which might be spent
on the agricultural end of the show, and, while
they may be necessary, detract more than one they may be necessary, detract more than one
might think from the interest in live-stock.
Live pete by god prizes and also foirruses, and justice
at the hands of show manarements. Livestock at the hands of show mana, mements. Live-stock
interests are not "weakly" or "fragile," buit take away their support and they toter and
fall. And the smaller shows cannot be condemned for they reach countless numbers who can-
not see any other, and the judging is not all bad. Very often the judging is done by just as capabe men as at the larger shows, and justic
meted out just as correctly.
Don't forget tha the bir breeders watch these shows, and if there
is anything really good exhibited it will find ready sale.
fust as valuable an exhibit as is live-stock to the live stock man. It is not a question of buy-
ing or seling value, or whether or not the man
has any more alke has any more like it. Hundreds see what good
seed should look like, are educated and impressed. We cannot but think that stallion enrolment
is a step in the right direction, and 'while it does not go far enough, there is a movement on
foot and likely to bear fruit to make inspection compulsory. All things must have a beginining.
Do away with the "scrubs" by this means, and Do away with the "scrubs" by this means,
good stallions will soon be more plentiful.
a national dairy products and uatensils properly rue could not
help but be educative and of value to the in
hel dustry. Who would say the Chicago International Live-Stock Show or the Chicago National
Dairy Show is not of value to live-stock and
dairying ? dairying? What is good for them is good for
ushort-period tests have their faults, but
they are ane not the only feature of a dairy show, they are not the only feature of a dairy show,
and even they do good by advertising good
cattle cattle, Neither can a beof-eating people do with-
out the beef type of cattle, but beef type does
not mean a non-milker. Large live-stock sales offer greater chances for
the large breeder to monopolize the trade than
do sho digninent sale idea, and see wheere the best prices
go. Our correspondent has hit upon $\begin{aligned} & \text { an number }\end{aligned}$
 and will some of our readers take the matter up,
apine subscribers the benefit of their
opinions pro and con ?-Editor.]

A Good Basement Barn I have yours of December 31st of stable essentials as you have submitted subject fear, too large to be handled in a short letter enough informed to do it justice.
A good stable, from the standpoint of a cattle nim, is a place where, while maintaining an animal in good health, a certain amount of feed can be turned into the largest amount of bear,
with the least labor.
This means that there are certain essentials which must be emphasizod in table construction
The old-fashioned bank barn is now obsolete It was built for warmth and to save an approach, which are not considered very important point in many cases, drainage, all of which are essen tials.

The labor problem makes the basement barn almost a necessity to-day. The feed and bedding saves great deal of handling and hauling. valuable pure-bred stock, where health and vigor are of greatest importance, one-story byres and sheds are often used, usually in conjunction with finisher with only one barn the basement ia best An ideal location for a barn is on good with a gradual slope away from the barn in ali directions. A row of evergreens or a wood on
the north, east and west, not less than one hum the north, east and west, not less than one hundred yards from the barn, help greatly in main-
taining an even temperature in the barn, and at the same time make a protected run for the stock. No better wall, could be wished for than a alop
cement wall, if properly built, and a wall one foot thick will carry any or ianary barn, ind clear of any surface, and use the directed quantity any staidard brand of cement. Use plenty of Dut have none so large as to come withim an
inch of the outside, as the cement would likely hell off in such a thin laye
A cement floor is found the most satisfactory feed room and feed passages, and a rougher finieh Many men cover the cement with boords in the stalls, but this is not essential if plenty cement
ding is used. It very seldom pays to cent the floor of a box-stall, and it has the disadvail
tage of being harder to keep dry and is salippery A mixture of clapy loan and graverl
mell packed in makes a satisfactory and lasting well packed in makes a satisfactory and lasting
bottom, and can be reflled at any time. With bottom, and can be rifiled at any time. With
a cement floor, even if roughly finished, a sloping a cement floor, even î roughly finished, avopide
gutter or any sloping places must be avoided, as this material gets very slippery for cattlo
many windows so long as there was with too wall left for support, and have these window the top, with galvanizing on either side. This method of letting fresh, air into the barn, and some of the best known ways oh lating the foul
air out from the center near the floor and con-. ducting it through the roof, will make an easily controlled and satisfactory system of ventilation.
I can see no particular advantage in keeping the stable so warm that manure would not freeze in it, except that very few water systems are without
to stand as low a temperature as that. wit freezing, and in many stables this would freeze
the roots. I believe a stable should be built so that the part where the animals are standing
could go considerably below freezing is desired as in the very cold weather it is almost impos Sible to properly ventilate and keep up the tem-
perature, and a stable about freezing point is apperature, and a stable about freezing
preciated by most animals at night.
One or two things to be avoided in stable concement floor or right on one where manure comed in contact with the post. Twelve to. fourtees
years is the life of an eight-inch post under these years itions, and it pays to use iron for setting
in cement, and to raise the cement a foot or in cement, and to raise the cement a foot or
eighteen inches above the floor where the post is set on top. Never have the fllor, ond in most
less than nine feet from the floor, and cases it pays to make it the foet. A four-wheeler truck, with an iron frame so made that the fron and rear wheiss are raised a little off the floor to
facilitate turning, is usually found \%more cen yenient as a feed car than a car, swinging from
track, while e car on a track is the best fo
taking out the manure. taking out the manure. C. F. McEWEN.

## Salt Required by Cows.

 Salting cows is something that should be lefttirely to the cows themselves-that, is, wy sup plying the salt in boxes. Some people salt their attle once a week and some ortener, while there ration.
The past fall I installed small boxes between each pair of cows, and decided to keep these filled is often forgotten. The 27th of December bought 100 lbs. of salt and filled the boxes for 15 cows. The first day of February the 100 los of salt was consumed ; thus we have 15 cows
eating 100 libs. salt in 35 days, or two and six seventh lbs. per day, which averages three ounce per cow. Verr few cows get this amount per
day, nor would all cows eat this amount, for what would be sufficient for one would not be enough for another. This was plainly noticeable in my herd, as some boxes had and to feed to much salt by aulding to the grain ration would be as harminal as not enough, so think the ondy
way is to have salt accossible to the cows at al
times by supplying in boxes.
N. M. A.

On Tuesday, February 11th last, a car-load of lambs was sofd on Toronto market, having come all the way from chicago. Sheop and lambe for the enquiry. Owners say that sheep anc lambs are not avallable in this country, and pro
diet many shipments from Chicago this spring Choice lambs sold at $\$ 9.50$ per cent on the det referred to. This is a fair indicalion of th shortage of sheep in in Canada, and the propenchen
for money-making in this brench of the live-ptock
industry
On this industry. On this same day live hogs sold ac high as $\$ 9.10$ per cwt. and the best cattle at
$\$ 7$. Who says there is no money in live stock?

## THE FARM.

## Good Fertilizer Results.

 Editor 'The Farmer's AdvocateI notice a number of references to aftincial fertuzers in the agricultural papers at present, dur as have been using considerabie quantitio inter the last lour years, my experience might In the year 1909
ishing toar 1909 Irst used fertilizers, and wishing to see just what they would do on mJ manyli lertilizer. The season was dry, but the fertinze drouth while the forlized pot affected The reall was that I hed almont double the crop from the fertilized land Tn 1910 I sowed barley on the same land seding down with clover and timothy. The effect of the fertilizers applied in the previous year, could be plainly seen on the barley; but on account of scarcity of help at harvest time, it was found
impossible to handle the crop from both plot imporsible ot hancle the crop from both plots
separately. The offect of the fertilizers on the clover was even more noticeible and you could see the difference to the very line between the
plots.
Since the first trial, I
heve izers every year on my roots and potatoes, al
ways leaving a small strip without any ways leaving a small strip without any fertilizer been very noticeable. In the year 1911 the mangels were on the same land as the former
year, only $I$ ran the plots of 1911 at right angle year, only I ran the plots of 1911 at right anglee
to those of the year before, leaving a strip unlertilized. So that I had one piece that had never received any fertilizer, another plot which another which had fertilizers in 1911 but not in years, while the largest area was fertilized bot years. The yied from the latter plot was much being second, the plot fertilized in 1910 a good
third, and the plot whieh had never been fertilized was a very poor fourth. The yield from the main plot, which was ferilized both years, was at the rate of 1,380 bushels per acre, where as the unfertilizzed plot only gave 558 bushels
The mangels from the fertilized plot in 191 were the largest I have ever grown and of th
best keeping and feeding quality. My soil is good medium loam in high condition. For mangels 1 have always used 130 lbs. muriate of potash per acce and and potatoes about 350 lbs . of the phosphate, with ny 10s. sulphate of potash. I have never used and consider that the latter supplies suffcient nitrogen. In applying the fertilizers, I scatter
them broadcast on the land in early April $\begin{aligned} & \text { just as soon as it it possible to do so. } \\ & \text { Halton Co., Ont. }\end{aligned}$ G. W. PEACOcK.

Barn at Lynn River Stock Farm.
The accompanying plan is that of a barn situated on the farm of J. Alex. Wallace, Norfoll Co., Ontario. This barn is 136 feet long and high and 12 inchas thick amply window. 12 inches thick, amply supplied with horizontally, hinged at theet. $x 6$ feet, placed drop inward at the top against a whdows air has to enter over phe age stop, so that tion is effected by means of the windows and twelve openings around the floor as intakes with six large hay and straw chutes as outlets. Cows and heifers occupy a solid side of the stable. This row is fitted with steel stalls and stanchions throughout. Stalls are 3 feet 6 inches wide by 5 feet long from drop to manger curb, Heifer stalls are 3 feet $x 4$ feet 6 inches. The drop behind cows is 8 inches, and passage-way slopes gently from the outside wall to the drop. The slope is 5 inches in 8 feet. The platiorm on which the cows stand has a slope of 1 inch in 5 feet. The manger is of concrete, 18 inches high in front, with a smooth, hard finish inside, and rounded so that the feed will always be within reach of the cow. The manger is continuous, but woven wire partitions will eventually be used. A woven wire guard 16 inches wide will run the full length above the concrete, along the front, to keep hay and straw in the manger. This guard will be in sections, and can be dropped if desired when cleaning out of the cows. The horses occupy the north-west quarter of
basement, with eight stalls 5 feet wide and 7 fee basement. with eight stalls 5 feet wide and 7 feet
6 inches long, not including manger, and two double stalls ordinarily used as box-stalls. Hay is fed in racks, and any feed that drops falls into the ma
vided.
In the north-east quarter are eight box-stalls, ach 8 feet $\times 14$ feet, the first one being used for

Under each approach is a root cellar 14 feet
feet, opening into the mixing room.
12 feet $\times 40$ feet approaches are two silos, each The granary is located on the floor above, be ween the approaches, so that grain is also convenient to mixing room.
At each end of the main floor is a large box
44 feet $\times 30$ feet, and between the drive floors is a mow 44 feet $x$, and between the drive floors is a mow 44 feet $x 45$ feet. The driveways are con
nected under the mow, so that the teams come in one approach and out the other.
A steel hay track runs the full length of the barn, and in the basement a little carrier track uns the full length on both sides. Manure is drawn to the fields every day

A strong deputation is to be sent to Toronto,
Febuary 21st, from Guelph, Ont., to interview Feluary 21st, from Guelph, Ont., to interview view to retaining the Ontario Provincial Winter
Fair at Guelph.

## To Plow Toronto's Vacant Lots

 At the Annual Convention of the Ontario Plownen' Aseria Convention the Canadian Foresters' Hall, 22 College Street, Toronto, Fuesday, February 4th, at 2 p.m., the following offlcers andl directors were elected: Presidentancers and directors wer Jas. Mclean, Richmond Hill: Second Vice-PresiJas. McLean, Rolland M.D. Zion. Treasurer T. A. Paterson Fillesmere. Speretary-J -T. A. Paterson, Ellesmere; Sp'cretary-J. Millbrook ; W. H. Hunter, Napanee; Alexander Edgar, Ayr: A. Warnica, Craigvale ; W. A. Dickieson, Rockwood; Dr. A. E. Hanna, Perth ;R. W. Holmes, Ardtrea ;- E. Allsopp, Minesing ; A. P. Pollard, R.M.D.3, Zion ; T. J. Chisholm, Hornhy ; Frauk Weir, Agincourt; N. W. Malloy, Teston; Jas. McLean, Richmond Hill; W. Doherty, Agincourt; T. A. Paterson, Ellesmere.
All the Branches were represented, and the Alting was a success both as regards the large number of delegates and members in attendance and the interest in all matters brought up for discussion. The Treasurer's Report showed the The constitution was amended
That the Central Association set aside follows 50 per cent. of the Government grant, to be apportioned equally between all the Branches, and the remainder of the funds at the disposal of the As-
ociation to be apportioned two-thirds on mem sociation to be apportioned two-thirds
bership and one-third on cash expended.
The following resolutions were passed unanimously
1.-That we, the Ontario Plowmen's Association, in meeting assembled, after hearing the movement on foot in the city of Toronto for the utilization of vacant lots, hereby tender the ser
vices of fifty plowmen, with teams and plows, to vices of fifty plowmen, with teams and plows, to have them come to the city at a date to be fixed number of such and will, free of charge, plow a number of such lots as may be selected by a com mittee of the Council.
2.-That, whereas
sociation requested the Federal Government As a grant of $\$ 27,000$, to be apportioned among the eveived a reply according to population, and received a reply from the Hon. Martin Burrell
Dominion Minister of Agriculture, that our re quest would receive his earnest consideration and whereas the Federal Minister of Agriculture has placed at the disposal of the Ontario Govern sum of $\$ 195,000$, we therefore respectfully apply to the Hon. James Duff, Minister of Agriciltur for Ontario, for a grant to the Ontario Plowfuen Association out of the aforesaid Federal appro-
priation, $\$ 5,000$. 3.-We are
farmers' organizations that have passed resolul tions re the removal of duty on traction sitching As plowmen, we are vitally inferestured in Canada As plowmen, we are vitally interested in the cultidrainage is necessary thereto. We, therefore join with the other organizations in requesting the Federal Goverument at the present Session o Parliament to place traction ditching machines
on the Free List, and that our secretary forward a copy of this resolution to the Right Hon. R. L.
Borden and the Hon. Messrs. Burrell and White.

## Sweet or Bokhara Clover.

## The "The Farmer's Advocate

with this most has had three years' experienc dea of the great use to which and has a small feed and as a foliage crop.
This great old clover, once thought to be an that no other plant has for the farmer. 1st.-In planting beans one can
off and sow fall wheat, and at the same crop seed with sweet clover, and when wheat is taken off the following summer you will find a lot of grand pasture that fall, and the following May
or first of June one has from twelve to eighteen nches of the very best fertilizing foliage and oots to plough down, it containing one-third ne can seed with oats, and the plant. Or again he has this early foliage in time following spring or corn, potatoes, beans or roots, and still not sing any time with the soil.
here others fail, and when once seeded with land valuable plant there would be no seeded with this a catch of alfalfa, as the soil would be thoroughy inoculated.
This last year I had corn on sweet clover ing at a height of fourteen best crops, grow ight days earlier and eared heavily so six or 3rd.-As a pasture it is a grand milk producer. nd cattle soon get to relish it.
The foliage with its rapid growth supplies a an old gravel pit or any kind of soil, even in the same time, wonderfully increases the fertility of the soil, and at little cost. One great ad vantage with this clover is that the hard winter
As to seed, I find any seed store can get it at
a price about the same as alfalfa. and it re quires about one peck to the acre for seeding.
[Note.-The statement that the foliace and nitrogen sweet clover contain one-third more planation. Henry gives the quantity require ex per thousand pounds of green forage as 6.1 los ,
or or sweet clover, and 7.7 pounds for alfalfa of sweet clover.-Editor ]

## Agriculture for Clergymen

day regarding the training some things done to schools. But what is being done in the rural ters? the teacher, and for it is fully as great as for or both-namely, that any leader or public good vant to be truly efficient, must be in ful the daily wife must understand, and must live he works. Farmerse with whom and for whom here comes in the minister's opportunity, and in better minister must be a leader, yes, a leader some advarming. For this leadership he has He is associated with possessed by the teacher. like children and young people, and well wis likely to be so migratory people, and he is no teacher, however, both teachers and preacher must know agriculture, and the social and economic conditions of farm life. This is posi
tively fundamental. The minister of a country church ought to know more of what Jesus knew know ; that is, a great deal Dean, and the Days the flowers of the field, deal about farm crops 'in fact, he should know the science of agriculture right up to date. Arrangements should be made rural districts a course in contemplating work i of the present neglect in the matter. For much training for our rural pastors our universities are accountable. The work of the theological school is not planned to meet the specific need o nucleus of the situation is that too Perhaps the purposely and consistently plan to undertake ruran work or make it a serious life study. The thutry parish is regarded as a stepping stone, clergy who will study the problems of rural life as city clergy study those of urban life. numbers", and the very young among the "back numbers", and the very young among ministers portunity in the wide world for noble work by is prongerly minister than in the rural field, if he students generally, and theological stooner that
ticularly, appreciate the fact that parof agriculture is just as dignified as profession profession, and that the fignified as any other
Cood's best expression of an ordinary in truth, Cod's best expression of an ordinary in truth,
better it will be for all concerned.

##  ${ }^{2}$ des cural the qu farm and fa very his tir makes the sa be inc But societ til fe farm labor Agr Ottaw

many problems that a minister can help to solve. Business principles must bo applied to farming;
improved methods put into operation, and the improved methos put int operation, and the
tarmer himselc aroused fis indifference. These things cannot be accomplished by talk and bulletins ; the farmer must be reached by personal touch, and that through the occupation hereoby he iives.
The church can inspire the country people with * dosire to know and appreciate nature and culture, but it must not neplect to encourage the
use of such means and methods as will improve use of such means and methots as will improve
the quality and quantity of the products of the .the quality and quantity of the products of the
farm. Social, church and school prosperity rise
ren farm. Social, church and school prosperity rise
and fall with, production on the farms. it is
very well to say that the farmer must give of very well to say that the farmer must give of
his time and means for the enterprise which makes for the good of the community, and that
the salary of the preachers and teachers should the increased. and the roads should be improved. But these things will be slow in coming, and society can have small claim upon the farmer un-
til farming is made more profitable, and the tii farming is made more proftable, and the
farmer is receiving a reasonable income for his labmer.


## Drainage Canal, Point Pelee

Draining Marshes Below Lake Level.
We have all heard of the dykes of Holland. We have read of how the brave and stolid Dutchmen, with extraordinary labor and perseverance, first erected these barriers against the encroaching seas and how by canal and windmilh pumps, joined to expert agricultural methods, they transformed sandy, sodden wastes into a very paradise of garden and pasture land. We have, with admiration for their pluck, learned also how they have again and again extended these dykes furthe outward, wresting from the wild North Sea added stretches of territory. But it will come as a real surprise to most of us to learn that here in Canada there are large areas on which splendid crops are grown that are lower than surrounding or, adjacent waters.

The centre of the north half of Pelee Island was, until 26 years ago, a marsh, across which sportsmen paddled their canoes in their chase after wild ducks and igeese. About that time L. S. Brown, who owned a part of the marsh,
influenced Dr. John M. Scudder, of Cincinnati, to infuy from the McCormicks, of Pelee Tsland, buy from the McCormicks, of Pelee Island, a
large tract of marsh land and undertake the draining of it by embanking at one point to keep out the lake, and dredging a canal from which the
water as it collected could be pumped out. water as it const at the north end of the island, a large dash wheel 26 feet in diameter, which worked well for a number of years. The dredge by which the canal was scooped out was
built right there in the marsh and set to work built right there in the marss an completed, Dr.
at once. When the work was Scudder had the land surveyed into small farm lots, and, after putting in a lot of small ditches, proceeded to sell the property. The best of
brought $\$ 35$ to $\$ 40$ per acre. After five or six brought $\$ 35$ to $\$ 40$ per acre. After five or six
vears, a considerable number of people having . bought farms, the owners of these places, with


Clover Wins.
These wo wagons contain yields of oats from adjoining plots of uniform size. That to the left is the after grass; yield, 34 bushels 13 lise. per acre. The other is the crop at

Dr. Scudder's curdial approval, got the whole Dr. Scudder's curdial approval, got the whole
scheme placed under the Municipal Drainage Act.
The canals. were then redredged, and two more The canals were then re-dredged, and two more pumps installed-one at the east and one at the west side of the island-the total cost beling
$\$ 25,000$. Debentures were issued to meet this \$25,000. Debentures were issued to meet
expenditure, the payment of which was spread expenditure, the payment of which was spread have since displaced those installed at first. The engines at the east and west pumps are now
of $30 \mathrm{~h} . \mathrm{p}$. each, and the one at the north end 45 horse-power. The pumps are operated day and night during a freshet, and as needed at other timaes, standing idle for weelks and sometimee
months together in very dry weather. The avermonths together in very dry weather. The average yearly cost of pumping is rather over $\$ 3,000$. as yearly taxes on the lands affected, about 5,000 acres in all, according to the engineer's estimate
of benefit received. Thus on these lands' there fo of benefit received. Thus on these lands
an addition to ordinary taxes of from 80 cents an addition to ordinary taxes of from
to $\$ 1$ per acre annually for this purpose,
The "big marsh" in this system is, roughly spenking, in the form of a huge letter T, the bese of the letter being at the north end and the crome
head extending from the west to the east side of head extending from the west to the east side of twelve miles in length, and is so placed that all the marsh on both sides of it is drained or drain-
able. The earth thrown out by the first fredgable. The earth thrown out by the first fredig-, which is always high and dry except for stick, clay mud on the surface at itimes. The depth of
black muck in the marsh is scarcely auywhere black muck in the marsh is scarcely anywhere as it approaches the higher land. Untold damby fire getting in and burning off the muck over
considerable areas. It is said to have been. considerable arees. It is said to have leem. burned in some cases on purpo.
up could be more easily dnne.
Last year an American dredge company, in contract with the municipality, cleared out and the other canal system, throwing the slop on The aim is to from that on which the roads run. eight feet lower than the lake.
The principal crops grown on this drained land are corn, tobacco and potatoes, with oate, wheat and hay interspersed. Onions were tried hy several farmers last season and large yields secured. It is the boast of the Pelee Isla
that they can grow anything on the island.
Besides the "big marsh," there are some maller marshes that are also drained articicially, the whole pumping outfit, whether the power be derived from windmill or steam engine ${ }^{\text {, }}$ being
owned and operated by the individual farmer, to whom and operated by
Point Pelee is a long, tapering cape, extonding twelve miles straight out into Lake, Exrie from the Essex shore. A passage of eight miles in width separates the extreme end of the point from,
Pelee Island, which lies in a southwesterly direction. About three miles of the base of the point is of low-lying clay land, a The outer end is sandy, covered with red
cedar, and for a distance of about three miles back, from the tip is dry from side to side, though
quite low. But the balance of the whole cape was originally but a vast marsh or shallow lagoon, bounded on either side by a low sand ridge
of varying width, which the waves and winds had cast up.
tiin But the late A. McKay, with other aseoclates, was promoter of a scheme by which a
Irainage canal was dredged out across the point through canal was areaged out across the point through the marsh, from west to east, and
making a turn when near the east shore, was making a turn when near the east shore, was parallel with the beach. The area of marshy ground, included between this canal and. the higher ground at the base of the point and
henefited by the drainage thus made possible, was henefited by the drainage thus made possible, was
about 3,300 acres. The length of the canal was sir miles, the width 32 feet, arid the depth, on an average, 8 feet. The original cost was about \$14,000, met by municipal debentures, which are being paid by tax on the lands affected. The side-that is, toward the south and toward the
east. Outside of this bank the marsh is marsh east. Outside of this bank, the marsh is marsh
btill, growing thick with tall water grass, through which it is difficult to push a boat, even where its southern end, especially, having open ponds of deep water occurring. Inwards from the canal
are fertile farms of deep black soil, the buildings are fertile farms of deep black soil, the building
ehowing that the farms have but recently be showing that the farms have but recently
settled upon,

The canal was first pumped out eighteen years first have been increased to four, each guaranteed to throw forty thousand gallons per minute, though not coming up.to that in ordinary work. The water is raised from five to eight feet. The to eighty cents per acre. The taxes are levied on the basls of ber antits. derived and liability to, damage. Though the outlay has been large, the pensated for it.
The depth of black muck is, on the average, two to six feet generally, and in some thang from much greater depth. Besides onions, which as noted in "The Farmer:s Adrocate" of Jan potatoes are clso grown largely. "the marsh," fields may be seen as well and other forage crops, but as yet there seems. to be more fodder than tock to consume it or barns to house the stock. A dredge is at work digging out a new canal, or six hundred acres more of the marsh. This however, is a private undertaking, and but just begun. There is little doubt that more and more of this great paradise for wild water-fowl rival Holland itself for fertility and prosperity
"There is no manufacturing business that has as has farming," said Professor H. C. Price, Dean of the College of Agriculture, Ohio State University, in a recent lecture. He pointed out the case of the binder, which is an expensive mach. "The average life of farm machinery is ten years," said Professor Price, "and counting depreciation and interest, it costs each year
about 16 per cent. of the original investment to about 16 per cent. of the original investment to
keep it on the farm. The way some machinery is cared for it will cost more than this. Where it is possible to do so, it is more economical to rent machinery than to own it, on the smaller expensive part of the farm equipment, indicates that better care of this machinery is an economical feature of successful farm management.

## THE DAIRY.

## A Phenomenal Three-year-old

 Holstein.Short-time official tests of dairy cattle do not always show a cow's ability to produce large quantities of milk
and butter for full milking period of ordinary length. The objection, however, hardly holds good in the case of De Kol Mutual Countess, a Junior three-year-old Hol-
stein heifer owned by G. A. Brethen, Peterborough Co stein heifer owned by G. A. Brethen, Peterborough Co.,
Ont.
About six weeks after freshening she was given an
official test making in seven consecutive days 590 lbs. milk and 24.31 butter, $80 \%$ fat, milking up to 89.3 lios. in one day. Entered in the Yearly Record of Perfor-
mance test she produced 18.100 lhs. milk and 600 lbs. fat (or 750 blis. butter, $80 \%$ fat) in her first ten months.
Two hundred and ninety-five days after frechening and Two hundred and ninety-five days after frechening and
when over five months bred she was again officially when over five months bred she Was agann officially lbs. fat. In fourteen days she recorded officially 816 ilss . milk, the last three day
Her seyen-day production exceeds that of any heifer of her age, bred or unbred, tested by either Canadian or American Holstein Friesian Associations last year pounds milk and nearly 3 pounds butter; while no
Holstein heifer under five years of age in the world
(according to last year's official Report to hand) ex- buckwheat last year (according to last year's oficial Report to hand) ex-
ceeded her week's production of both milk and fat.
Only three cows, any age, tested 8 months or more after freshening in the official tests of 1911-12, exceeded the milk-and-fat production of this Canadian heifer in her second lactation period, two of these being Banostine Belle De Kol champion butter cow of the world, and High Lawn Hartog. De Kol, the second highest in
butter production brought out last year. (Both mature cows).
The breeding and individuality of Countess are sure
indications of her production, as she is from families indications of her production, as she is from families
that have produced at least $50 \%$ of the world's greatest producers of milk and butter, while she possesses all the essential points of a great and economical producer of
the products of the dairy. the products of the dairy.


De Kol Mutual Countess.
The dam of this heifer, a junior five-year-old (Courtess being her first daughter in milk) has proafter giving birth to a. splendid pair of bull calves. On February 11, she had 19,000 lbs. milk, and a co respondingly large amount of fat to her credit, and is
still averaging close to 50 lbs . per day, with about 6 still averaging close to 50 lbs . per day, with about 6
weeks in which to complete her official year. Todate she is much in advance of any second-calf heifer in Canada, and, barring accident, should have quite a margin over the best Record for 1 year made by any iunior 3 -year-old

## GARDEN ORCHARD.

$\overline{\text { Mr. Krouse Details His Methods. }}$ I was reading in your January 16th edition
about Mr. Krouse making $\$ 425$ on one acre out Mr. Krouse making $\$ 425$ on one acre.
I have two and a half acres which were in
buckwheat last year buckwheat last year. This year I thought of obliged if you would advise me as to what would give the best returns. And also what commercial fertilizer to use on them.

Mr. Krouse does not say what he grew on his e acre the first year.
[By way of reply to these questions the Editor asks me to give an outline of the work done on started with one ac
it a heavy dressing of slaughter-house manure and plowed it down. Then through the winter I drew enough manure for summer use, which I put in a pile and used it for
hot-beds in which I sowed radish seed. About the first of March I put in three frames 6 feet by 12 feet. As soon as the first crop was
finished I put two and twothird frames in radishes third frames in radishes
again, and one-third of a frame in tomatoes, ceiery, cauliflower and early cabbage. These I transplanted as soon as the radishes were
done the second time, and as soon as they were ready I sold them, using a few for myself. In this way I made $\$ 20.00 \mathrm{per} \mathrm{fr}$ a me out of
radishes, $\$ 40.00$ for plants, or $\$ 100.00$ in all for these three frames. My soil is a heavy loam-not clay-with a gravel bottom. And just as soon as $I$ could $g e t$ on the land
in the spring I top-cultivated it thoroughly, especially for onions. I sowed about half of an acre of the $\mathbf{Y}$ e ll haw
Globe Danvers a nd Prizetraker varieties. and PrizeThe other half I put into early carrots and
a small patch of early beets for bunching, a small patch of early
potatoes and a few cauliflowers, and as soon as potatoes and a few cauliflowers, and as soon as
the potatoes were dug I put that ground into cabbage and celery. Now from all of this I had a profit of $\$ 425.00$, besides keeping my house and paying for manure

Seeing the possibilities there were in a small place if well worked, I bought another acre and built myself a thirty-foot by ten-foot chicken house, and stocked same with Barred Rocks, White and Silver-laced Wyandottes, and bought worked my land practically on the same year I the first year, only on a laiger scale. With the exception that I put in about half an acre of land variet, planting Williams, Clyde and Haviraspberries. This was one patch of Cuthbert


[^1]the strawberries wore great money-makers. wh seond year wasn't so good, as the land I bought was in my third year I built another 90
? 60000 .o. chicken house, and went into more breeds, 100t chicken house, achanace to make some money In stowing birds and selling eggs ior hathing This was another I won on my birds I cleared $\$ 800.00$ out of poultry. I planted 8,000 aspara-
 olonies, bought thirty-two colonies of bees and
hatid $\$ 200.00$ worth of honey from them, and in ereased to eighty-five colonies. We had good
cerops from our land, making in all $\$ 1,600.00$ arops from our land, making in all $\$ 1,600.00$.
In our fourth year we did better on our

 working our land on the same principle as we
did in our first year, using abuundance of manure did in our frrst year, using. abuudance of manure we are within one mile eo get top prices for it. Without this one would not do so well, as you
mouldn't have the market to cater to wouldn't have the market to cater
We worked on this plan for about ten years then I decided to buy more land, and In bought this was a mistake as I am not getting as good results, and my expenses are a great deal more. I have decided to sell half my land, and go back might say I have dropped the strawberries and migat small vegetables as we have increased our bees to 250 colonies, and the most important
time of each comes together. I have increased time of each comes together. I have increased
our asparagus to 25,000 roots, as the most important time for asparagus comes in before the
buyy time with the bees. ${ }_{\text {I }}$ have 135 Montmorbusy time with the bees.
ency cherry trees and 230 Bave 135 Montmor-
Champion current bushes. I find these good money-makers. to my place, and I get as much as I need from the one man.
In conclusion I would emphasize working the land well, using plenty of manure and being prepared for work when it is ready ; also proximity
to a good market.
W.ellington Co. Ont.
F. W. Krouse.

Western Hints on Apple Marketing. "During the past, few months," says ""The
Farmer's Advocate and Home Journal," of Winnipeg, "many complaints have been raised all over the Prairie Provinces because of the high prices demanded for apples. Simhar complaints have been raised almost every day during the last decade or more. . fascy figures for many of the real necessities of life or for luxuries. They do, however, dislike an exorbitant charge wen article in question got only a mere pittance for his part in supplying our needs.

When a person considers last season's apple crop in Canada, the prices charged "in" parts of Canada in which apples cannot be grown are tario apples rotted in the orchards: The writer visited British Columbia fruit districts last October, and saw apples sold by growers at forty to eighty cents a box. Within a couple of weeks the "newsy" on a railway train in Alener him apples not as good at "10 cents each; two for 15 cents." Ontario growers received around the dollar mark for good apples. In
October and November Ontario Spys were disOctober and November Ontario Spys were dis-
played in store windows in Winnipeg, and offered
and stores priced appples of a similar grade, and from
the same localities at as low as $\$ 4.75$. $\begin{aligned} & \text { This is }\end{aligned}$ is the same localities at as
"The Dominion Government has promised at livestigate the apple business. This should at
least bring to light the fact that too many
middlemen middlemen are getting more than their share.
The Western consumer is willing to pay a price The Western consumer is willing to pay a price
that will give the producer all he should get, but
he does not care to turn over to middlemen any more than should go that way.
"If we are to have apples at more reasonable
prices in Alberta, Saskatchewan and Nanitoba,
consumers consumers must get closer to producers or vice
versa. In rural sections the organized farmers have made a good start by bringing carloads
direct from fruit growers' associations in Ontwio. In this way they have saved a dollar or two on each barrel without netling lower
to the men who grew the apples.
"But tario carnot make the most out of their oppor
tunities for markets in these provinces, if they
depend altogether on business arrangements beour associations who need it. There is another part of our population that cannot be supplied through hestern organizations. It is necessary, merefore, for the fruit growers to have properly
managed distributing and storage houses, so that they can keep in touch with Western demonds season and out of season. The grocer buys his fruit from a source that will be able to fill his
order at any time, and without undue delay This is one factor that contributed to the delay. while the Canadian fruit rotted in the orchard."

## Co-operation in Growing Vegetables.

The annual meeting of the Ontario Vegetable Growers' Association was held in the Parliament Buildings, Toronto, on Feb. 7th, at 10 a. m. The President, Thos. Delworth, was in the chair. by the Association. Representatives from all the branches in the province were present. The chief topic of discussion was the co-operative buying and selling of the supplies and products of the of this Association the Association. One branch of this Association shipped last year 900 tons of 1911 this branch shipped 540 tons, and in 1910 320 tons. This gives some idea of the possibilities of co-operation in vegetables
The following resolutions were carried unanimously

We believe it to be in the best interest of the members of the Ontario Vegetable Growers good, reliable seed of proved varieties direct from the growers where possible, and we last year succeeded in securing a quantity of such seed, greatly to our inanciallers in Ontario have endeavored to restrain such trade. Therefore, we, the members of the Ontario Vegetable Growers' Association hereby protest against any such interference with what we believe to be our
reasonable rights, and claim that such interferreasonable rights, and claim inat such interfer
ence is a species of combine in restraint of trade ence is a species of combine in restraint of trade.
The election of officers for 1913 resulted as
follows :-President, C. W. Baker, Tambling's. follows :-President, C. W. Baker, Tambling's
First Vice-President, W. J. Kerr, Woodrofie Second Vice-President, F. F. Reeves, Humber Bay ; Secretary-Treasurer and Editor, J. Lockie
Wilson, Toronto ; Executive Committee, C. W Baker, Tambling's; Thos. Delworth, Weston; F Bay, and J. Lockie Wilson, Toronto; Representative to Canadian National Exhibition, Thos. Del worth; Representatives to Ontario Horticultural
Show, W. J. Rush F. F. Reeves, Thos. Delworth, Show, W. J. Rush, F
and Jas. Dandridge.

Starting an Orchard-I.
[Note.-The series of articles commenced in this
issue are written from the British Columbia fruit issue are written from the British Columbia br in
growers' point of view. They will, howeve, be in
structive reading for Eastern growers.-Editor.] structive reading for mion
During the long evenings of winter there is a splendid opportunity for careful planning of next season's work. Some may be considering the advisability of setting out a tend to success may be welcomed.
Where there are various lots that may be chosen, or where the purchase of fruit land is toward success or against it will not come amiss. Winds knock off the fruit. This, then, must be considered. In the West it is not such a serious problem, as the winds are fairly constant and the apples learn how to hang on (at least, this seems the best way to explain it). Still, even here, unnecessary chances need not be taken. Trees, clumps of wood, hedges, hills, bluffs, and other obstructions, tend to break up the force of the winds, and the more of these there are between the orchard and prevailing winds the better. Certain localities are subject to gusts place comes to mind where every year the orchardist makes it a point to have his McIntosh reds picked by October 1st, for almost invariably a heavy wind strikes his and his neighbor's places during the first week of Thber. A Aheltering cose together, three of them on a "benchards close thatcher, three raised above another flat
stretch, with precipitous sides), about 70 feet below the other. Many times three of the orchards on the higher bench will be thrashing about in
the winds, while the lower orchards, sheltered by this upper bench, will be practically quiet and the loss of the windfalls comparatively small. Winter killing is a common cause of loss. It appears." A knowledge of causes may provent locating in a poor place.
Top killing has two causes-a very severe winter and tifees going into winter with the wood improperly ripened. In irrigation districts the latter can be controlled to a great extent by stopping the irrigation early in the season, and
also by discontinuing the cultivation of the trees Location here again has some influence-a low spot draws the early-fall, and late-spring frosts, but as it is the fall frosts that are generally
responsible for top-killing, it is these we must consider. Trees that have not been ripened early in the season are very susceptible to the
sharp early frosts, and it is to these thet sharp early frosts, and it is to these that we
should look for the cause of top-killing, rather than the hard winter frosts.
If the ground is in such a location that it is liable to be well saturated in the fall, and where the air is likely to be more or-less calm, unless effects of early frosts. Soil, too, has consider able influence on the growth of trees and quality of fruit. Rich bottom land tends toward an excessive wood with shallow surface sofl, is a risk in some loce tions. Now, as to the influence of these on winter killing, the soil and its condition hass ncst to do with root killing, and in selecting a cation for an or these soils act on the trees.
In heavy bottom land, or on a deep surface soil, there is little root kflling as a rule, because root killing is caused by thawing out and freezing. A deep soil or bottom land holds the
moisture, and hence is not quickly thawed by a short warm spell in winter, and it is the mid winter thaw that is responsible for most root off early in the fall winter well, must be dried and then just as the hard frosts are about to set in, the ground should be moistened well to protect the roots. In irrigation lands this can controlled; in rainy districts, to ripen the rees, cover crops, and cessation of cultivation ripen, and then heavy land will hold the late fall rains, thus keeping the roots protected.
When it is a case of buying a fruit farm, climatic conditions must be considered, such as sipid, undercolored fruit), amount of sunshine and loudy weather. Sunshine has a market value when it comes to coloring fruit. Distance from sociations, etc. British Columbia. WALTER M. WRIGHT.

## POULTRY.

## A Year's Poultry Profit.

Editor "The Farmer's Advocate"
On January 18, 1012, to find out how much pran whe in the pouitry business, I decided had a record of all receipts and expenditures. every Friday evening, and keep account of the checks.

Total receipts for eggs.............\$254 97

| Poultry sold |  |  |
| :--- | :--- | :--- | :--- |
| Pullets raised (125 at 60c. each) | 19 | 55 |
| 100 |  |  | $\$ 84947$ Profit the method of feeding and

The following is $t$
aring for the poultry
Morning leed.-Corn meal mixed with buttermilk or sur mik, I prefer butter-milk mixed poultry food.

Evening feed.-All the hard wheat they can Oyster shell is kept always in the hopper summer and winter ; also a fresh supply of cold water every day. For green feed, I sow two or three rows of cabbage, and take them up in the fall by the roots
and put them in the root cellar, and give one or two a day.
My hen-house and hog-pen are cement $18 \times 49$, one end for hogs, the other for hens. The hens picking ; then there is a door between the hen-
house and the cattle stable. After I get my efficient enemies of the Codling Moth, as it not only eats morning feeding done, I open this door and let pick in the litter. Hens must have exercise, and this is just where they get it.
The breed of fowl I keep is Brown Leghorns. They are a very hardy, ambitious bird; they able as a larger fowl with less eggs.
Victoria Co., Ont.
JAS. CORNISH. (Note-We agree that hens must haye exercise, but the pig-pen and the cattle stables do not
seem to be the proper place to allow them to eeem to be the proper place to allow them to
"scratch:" It would be more advisable to keep
the hen-house well supplied with chafly litter and the hen-house well supplied with chaffy litter and out in the farmyarid on warm, sunny days. Hens
aise too much dust if allowed to run in the catraise too much dust if allowed
te and other stables.-Editor.)

## THE FARM BULLETIN

## Nature's Diary

ast. week we dealt with woodpeckers in general and with the Arctic Woodpecker and Pileated Wood oeken in particular.
rextren are three other species of woodpeckers which Hairy Woodpecker, the Downy Woodpecker and the Yellow-bellied Sapsucker.
The Yellow-bellied Sapsucker is the only member of the Woodpecker family (Picidae) in Eastern Canada which is injurious. It is the species which drills the rows of round holes in tree-trunks and which strips off patches of bark to feed on the soft cambium layer beneath. The holes are drilled mostly in spring, and the sapsucker drinks the sap which collects in them, returning again and again as more sap collects. Occasionally these holes and dies. These numetous holes and the larger wound made when the bark is stripped off in patches afford a very favorable place for the development of the spores of Fungi, which penetrate the tree and greatly lower it vitality, or perhaps cause its death,,

But it is not the number of trees killed by the Sapsucker which constitute the chief damage done by this species, it is the defects in timber which are caused by its work. These defects consist of distortion of the grain, formation of knotty growths and cavities in the
wood, extensive staining and resin deposits due to Sapsucker work have been found in the timber of a great number of species of trees and in many case unfit the wood for use except for fuel or coarse construction work.
Thus we see that the Yellow-bellied Sapsucker is
not entitled to protection, but we cannot too strongly not entitled to protection, but we cannot too strongly
impress upon anyone shooting these birds, that they should be POSITIVE that they have the whole crown red and a black patch on the breast, thus being sure tha Hairy or Downy woodpeckers.

While the bill, feet, and tail of the Yellow-bellied Sapsucker are the same as found in other woodpeckers,
the tongue has undergone much modification from the true woodpecker type, as it is not extensive, and in stead of being pointed
little brush at the end.
In the spring of 1909 there was a remarakable mi
gration of Yellow-bellied Sapsuckers at Kingston. O the morning of April 17 th the city was litierally alive
with these birds. In the city park there were from one with these in every tree, each tree along the streets had
to four in
from one to seven Sapsuckers on it, and even on Princess Street, the main business street, they were perched on the telegraph of the stores. They were very common and a few days and the "wave" had not completen
for
disappeared until April 24th. The probable cause of disappeared unt a strong gale from the north which cause of this influx was a strong gale from the north which blew
on the night of April 16 th, the bird apparently dropping
as soon as they had crossed the lake. as soon as they had crossed the lake.
The Yellow-bellied Sapsucker is a common breede in the northern parts of Ontario and fairly common a
a breeder and very common as a migrant in Souther a breeder and very common as a migrant in Southern
Ontario. It makes its nest-hole in live trees, usually at from the Hairy Woodpecker is a a fairly common resident
throughout Canada. It feeds on "borers," ants and on throughout anada. It feeds on "borers," ants and on
inscts which hibernate beneath the loose bark of trees.
It is an early brectler, cxcavating its nes in April and hatching out the young carly in May. The
nest-hole is usually placed at from thirty to fifty feet from the ground.
the males can be distinguished trom inches in length and possession of a scarlet patch on the nape of the neck.
The Downy Woodpecker is a commores throughout Canada. at is from six to screven inch hes long
and the males have a scarlet patch on the nape and the males have a scarlet patch on the nape. It is
an extremely beneficial species, and is frequently to be
found in the orchard where it destroys "loorers" and
the laryae but extracts the -pupx (the resting
of the insects) from beneath the loose bark. Woodpeckers has in common with the habit of selecting a resy and othe Woodpeckers has the habit of selecting a resonant dead
limb, and on this drumming out a rolling tatoo. It limb, and on this drumming out a rolling tato. It also when in flight.
The Downy Woodpecker breeds. late in May, the
nest-hole being made in a dead tree. The eggs are from nest-hole being made in a dead tree. The eggs are from
four to six in number and pure white.

## The Chipmunk, Birds and Other Things.

Having read with much interest A. B. Klugh' Nature's Diary" article on the squirrel, let me say a word for the little chipmunk or striped squirrel. It is smaller, bolder and more easily tamed. The chipmunk will soon learn to visit the veranda or door step if fed and treated kindly, for the little harm they do they wil They sometimes live in an old docay loar or stump but they always have a retreat in the ground which, but deep under a stone pile or tree, like a ground-hog they have more than one entrance and can be coaxed out by the gentle tapping of small stones or a low soft whistle I used to think them very destructive, for they will run off with a head of wheat if it is shocked near their domain. One day 1 took shelter in our sugar bush from a heavy rain-storm. To my surprise I saw all my chipmunks out in the drenching rain jumping around the big maples much faster than usual, but I never regret the drenching I got for what I learned. The heavy rain had forced insects out of hiong plander and many other The industrious litte chons were havin ber harvest in the midst of a heavy storm
Now just a few words for the birds. - I read in the Farmer's Advocate", where some one found tame bees in a bee-bird (or king-bird), so named because they will fight a sparrow, crow, or hawk. Spare the king-bird be cause they only eat the dead bees which lay around the hive and not the living tame bees as our friend believed.
My way of destroying sparrows, without frightening B. B. caps make no noise and will not frighten the rebbin thrush, swallow or any of our useful birds. You can kill more sparrows, too, because it does not frighten them young men; they only cost a few dollars; the shots are 20 cents per 100 . I use a rifle often advertised in the Farmer's Advocate. Now don t get discouraged if you cannot hit a sparrow every time, at
rifle clean and it will last a lifetime.
Try soft or rain water to grind axes and tools, it will do the work in half the time; Send the "Farmer's Advocate" to some friend as a you can do a friend. He may do the same for some one else the next year. By so doing you will get a premium
which is another present for yourself. I have received which is another present for yourself. I have received day I work 270 acres, but can always find time to read the "Farmer's Advocate" from cover to cover, and get well paid for my time. In making my will I provided that the
"Farmer's Advocate" should be furnished to each of my sons until they were 21 years old. The trouble is, the fellow who really needs the good instruction the papar contains
is the very fellow who says he cannot afford to subscribe.
Wentworth Co., Ont.

Impostor at Large
I feel it my duty to inform your readers about a faker who is going the rounds just now and imposing on ment as a surveyor. He is carrying a field-gle Governelescops, is a small man with straight dark hair beginning to turn grey and parted in the center, and wearing a dark mustache. While in Carrick Township, Wellingon County, Ontario, he called himself D. A. Smith, a Son of D. A. Smith near Guelph, and a nephew of J. J. Hill, the railroad magnate. In Culross he called himself nephew of my own, I hope he will get run to close quarters
as he is a complete faker. He may be related to Mr as he is a complete faker. He may be related to Mr. Hill but he is certainly nothing to me or to my brother
in Kamloops. He is well educated and usesa lot of flowery
language, but if he tries to inflict his language, but if he tries to inflict his presence on any
of your readers, who have good strong shoes. on, I hope Wellington Co., Ont. A. ADAMSON

## Prince Fdward Co. Fruit Growers at a recent

 neeting passed a resolution asking the governmentor inspection at point of shipment. This they
,elleved would timprove the pack; and in helleved would improve the pack: and no bay

## Argriculture and the Schools

## $r$ rer

am reminded that some time ago, I promised I would express my views re the teaching of agriculture in rural schools.-For a number of years I have read article after article, and listened to many addresses on that important subject "How to keep the young people on the farm. I believe that a great deal of good has been done by these afieles and adresses, but principally longeniences such sh modern partnership idea between father and son, etc. but the always seemed to me that there was one thing lacking not only in the articles but in the actual solution of the problem which the rural school should supply, I well remember (not many years ago) when I was a boy at chool, there was nothing in the curriculum from beginning to end that had a tendency to encourage me to remain on the farm, to take an interest in it, or to send me back when vacation came, with an ambition to produce a better animal, or to make two blades of grass grow where only one grew before. Yet it was on the with I was born, it was there Ihad to live. I went home undesirable drudgery of farm work There to me to be in that course of study, as I remember it that nothing me to look with favor on the farm or the farmspired that was the impressionable time of my life. It seemed to have a tendency to point one away from the farm. I have talked with many of my school-mates who felt the same. We lived in that school and we left it with the feeling that the farm was no place for a boy of am-
bition and brains. The rural school or education which produces such results as that is dangerous, is wrong and a damage. The man who can successsfully manage a farm is deserving of respect and should hold his head farming is not only an occupation, but a calling, a business and a science, one that demands the expendi-
ture of brains as well as muscle. That is ture of brains as well as muscle. That is the idea we
want to bring home to the consciousness of the boys and want tirls, and nowhere can it be done so sucessfully as
the ghe the rural schools in the rural schools. Instead of wrestling with subjects
and facts that are forgoten in six months after and facts that are forgoten in six months after they
leave school, and in the higher grades with languages leave school, and in the higher grades with languages
that have been dead for centuries why should they not be steeped in the beauty, th: dignity and rewards of
intensive agriculture? I think I am safe in sayin intensive agriculture? I think I am safe in saying that commence and end their education in the public school The one-tenth will pass on through the High School,
Universities, etc., become teachers and such like. Three out of the nine will probably become mechanics, and unskilled laborers. The other are at least five High Schools. In my own country there tinued with the help of the Government and county repairs county being laible for the maintenance and ordinary from the county to number of pupils in attendance In other words the six go back to the farm (from the taxes to the upkeep of a schoon loar conucate the one-tenth
who are to be teachers, lawers or woes it not seem that the whole system is one of education away from the farm instead of Back to the Farm. Now, Sir, I am not arguing against the maintenance of the
High School, but rather for the of adequate put rather for the necessity and the right the six-tenths, as well as the one-tenth. We appreciate the wise action of the Government in estabpreshing a
Department of Agriculture in connection with Department of Agriculture in connection with one of
our high schools. Already the good work is being felt
in the surrounding country, and last winter over fifty young men (some married) took the short over fifty
a ticulture a riculture put on there. This all goes to show the
necessity of greater action, and greater effort along this
line We should not be satisfied until every public school,
aside from the great centres of agriculture as it should be taught population, is teaching agricuture as it should be taught, and in every county
there ought to be at least one High School of Agri-
culture" (supported and ence culture (supported and encouraged by the Government just as liberally as the other High Schools are) where the
boys who are going to spend their life upon the farm can receive a training and standing in Agroulture equal in
comparison to the present High Schools to the universi-
$\qquad$
The National Live-stock Exchange, of Chicago by consering the females. Several state lesisla hibitin_ the slaugater of certain grades pro calves, and other females for a period of ten sears. The State veterinarian is to have charge, and a penalty of $\$ 25$ per head is to be imposed for violations. There is some question as to
the constitutionality of such legislation, and there
are many scrub


## Matters Before Parliament.

At first glance the Hon. Mr. Burrell's "Agricultural Act" saems indefinite as to its purposes, but perhaps that is its chief merit. Everyone
will agree that "great permanent benefit will reswill agree that education, instruction and demonstration, carried on along lines well advised and of a continuous nature"; but it is doubtful if what the lines should be. To avoid this conflict the purpose of the bill seems to be to stimulate the work now going on in the various provinces withThis is much better than if a comprehensive scheme of agricultural instruction had been planned and handed down to the provinces. Work that is now going on can be promoted to a healthy growth. Most provincial from developing properly by lack of funds, and the millions that are being granted should put them on a sound footing, so that they can do their best. This means that agricultural education in the provinces will grow irm. Burrell and Mr. James, to
way. No doubt whom the Minister gave full credit for his assist ance when introducing the bill in the house, have considered the expenditure of the money in detail and already have an idea how the scheme should work out. Mr. Burrell's appeal to both parties to assist in putting the bill through suggests that there is to be no partisanship in the expenditure of the money. That being the case 1 ana sho ing a
lows
"The Governor in Council may make such regulations as are deemed advisable for giving to the objects and purposes of this Act, and, notwithstanding anything in thls Act, the MinisCouncil, and with the consent of the Lieutenan Governor in Council of any Province, and upon such terms and conditions as are prescribed by the Governor in Council, may expend in any such Province, in any year, the whole or any part of the grant provided for such Province under thi Act, for the purposes set forth in the preamble or his Act.
I freely confess that.I am never sure that I am getting all the nourishment that was intended out of legal language of this kind, but it looks o me as if the bed-rock meaning of this is, that in case the Federal Government does not ind thay right whead to that particular province according to its own sweet will. As some of the Provincial Governments may be of a different political faith to the Federal Government, it is almost inevitable that there will be friction, and then the party in power can go right ahead and spend the money with ment have the objectionabatter. Whatever may have been the intention of the framers of the bill, it looks to me as if the effect of this clause would be to keep the expenditure of the money
entirely within party lines. If a case arises where a province gets into conflict with the Federal Government about the use of this money, affiairs of that province will be thrown into conso much as-a criticism of the bill as a criticism of the party system which so often stands in the
way of the greatest good to the country. It is interesting to note that instead of the
word Education, the framers of the bill have
used the word Jnstruction to suggest their pur-
poses. Now I find that this word has a very
wide meaning. To instruct, means to build,
erect, canstruct, sot in order, prepare or furnish,
as well as teach. If orey had in mind the full
significance of the term they used, they have "a
charter wide as the wind." They can do
pracically anything that will help the cause of
agriculture, from teaching a man how to buy a
farm to showing him how he should invest his
pronits atiter he has learned how to produce the
best crops, and harvest and market them. If
wisely used this freedom will be a great advan-
tage, and I am hopeful that an important part
of the instruction will deal with the marketing is at the prosesent time.

In considering this bill and the appropriation that goes with it, it is amusing to think how
carefully the expenditure of every dollar will be followed and criticized. It does not seem as if sum voted by Parliament, but Mr. Burrell and Mr. James will have their hands full in trying
to expend the money so that everyone will be to expend the money so that everyone will be
satisfied. It is entirely different with all the other grants made by Parliament. With all the millions should be voted as as a naval contribution no one will ever know the details of the expenditure, or be in a position to criticize the cost
of the varnish used on the officers quarters the wisdom of having open plumbing on dreadnought. If the money is voted we will give
it in a lump, talk about it in a lump, and probably forget it in a lump. It is the same with They vote permission to some corporation to in crease its capital stock, and when the vote goes much of this stock will be water, or who will have to lose the money that is to pay dividends
on it. There is hardly a session of Parliament on it. There is hardly a session of Parliament privileges that aggregate many times the te
million dollars now being voted for agriculture and no one except a public spirited anarchist here and there ever tries to point out the harm that is being done. As has been pointed out on
various occasions, the watered stock in our big corporations represents so much high-handed
robbery of the producers and consumers of the robbery of the producers and consumers of the
country, but who cares? It is a different matter, however, when ten millions are being voted the aid the producers, and at the same time help the consumers. We shall have to watch just
where every dollar goes, and see that "'our party" has its finger in the pie all the time, or
we'll make Rome howl. Of course it would not do to allow all this money to be spent without due criticism, but I do wish that some of the surplus critical energy could be directed towards

At the present writing the Bank Act is still some interesting fireworks without many indications of anything important being done. Having said my say on this question last summer I do not feel inclined to trouble people with anything have been done long since, and if you were not
convinced in the past discussion of the measure convinced in the past discussion of the measure it would be useless to trespass on your patience
just now. If you were convinced that there is need of a more rigid control of our banking system, and a thorough system of inspection you can still help by writing to your member of him or not, and making clear to him your position on the question. I am glad to see by the papers that so many people have written to their is the only thing that can now be done. If you have not written to your member giving your views, why not do so at once? There is still
time to bring pressure enough to bear to force a reform of the Bank Act, but everything depends on the individual voter. Further discussion of is now useless, but even a postcard to your representative might help to work wonders. If the you, you need never blame anyone but yourselves if it is allowed to pass into a law in its present
form. Write to-day.

## Ontario Veterinary Association.

 At the 23 rd annual meeting of the Ontario inary College last week, a proposal was discussed to form a national organization devoted to the interests of the profession throughout Canada, to be known as the Dominion Veterinary Associatio It was referred to the executive committee. proftable session was held. Gricers elected were President, W. J. R. Fowler, V. S., B. V.Sc. First Vice-President, C. Elliott, V. S. ; SecondVice-President, W. J. Willson, V. S. D Directors, J. H. Eneel, V. S. : Robert Barnes, V.S. © C. S
MacDonald, V. S. R. A. MMlne, V.S. ; A. D. Stewart, V. S.; W. Nichol, V. S.; W. A. Grange
V. S. ; Executive Commntttee, E. A. A. G. Wrilson,
W. J. Fowler, W. Cowan, V. S., L. A. Willon
H. E. Hurd, V.S.; Auditors, C. Elliott, F. G Hutton, V. S. ; Secretary-Treasurer, L. A. Willson Hutton ${ }^{\text {V. S. S. Secretary-Treasurer, }}$
V. S., 45 Riverdale Avenue, Toronto.

## Comment and Query

Editor "'The Farmer's Advocate"
Editor The Farmer's Advocate. An effective force of more than passing significance is the ene of Peteer McArthur. These articices oertainly sys-
 particularly impresed me, of special note the toliowing
In the search for truth, every faculty should be ewake
 lighte reason should winnow the grain; judgment should
carry the cales, and memory, with miser's care, should
 here esef forth tor hei is not merely awake, but ii h helping
to keep the eret of us os on With us farmers, ther ismore to keep the rest of us so? With us farmers, there is more long nights of winter. We need mental stimulus. Apropos of the suggestion to "search for truth,"
do not some of the positions even of science need re do not some of the positions even of science need re-
adjustment, re-statement, or elucidation? For examples adjustment, re-statement, or elucidation? For example,
on a dark night a building or a straw stack is "on fire." If there are no obstructions to the view, the entire body
of fire or flame is plainly, luridly visible over a large area, it may be some miles radius. Now the query is:
Since the space is for the most part dark between the Since the space is for the most part dark between the
fire or source of light and the eye of the spectator, how lire or source of light and the eye of the spectater, how
does he see the fire;-in other words, how do the rays of lioes he see the fire;-in other words,
lithoug the fire make a distinct and
through the intervening darkness?
through the intervening darkness?
Another query: What is the cause or causes of the Another query: What is the cause or causes of the
periodical January thaw?-Why not occur in thie preperiodical January thawl-
vious or succeeding month?

Kent Co, Ont.

Gain Knowledge from Schools and Reading.
Education, as a factor in the making of farmers, until recent years, received little or no atthese last fow years, we must admit that it does not receive the consideration in the farm home tocation is one of the greatest drawbacks farmer an heve. Until very recently the idea of special agricultural training was scoffed at by
the rural population. Even a public sehool eduthe rural population. Even a public school edus
cation was considered out of the question. At soon as the boy was big enough to work he was
allowed to remain home. Indeed, we see con allowed to remain home. Indeed, we see con
riderable of this in our country homes to-day Why should it be so? Schools, aro within reac of all, and it is the duty of every parent to see that the youth receive at least, a public school
education. Ignorance is sure to keep us from education. Ignorance is sure to keep us fro
going forward, and it is the man who has going forward, and it is the man who hha
trained brain and knows how to use it who going to go ahead by leaps and bounds. In th days of our forefathers muscle was considered the
important factor, but it doesn't hold such a prominent place to-day. With so many branches of farm work to attend to, we are apt to make
unnecessary expenditure that could otherwise unnecessary expenditure that could otherwise be avoided uf we had the proper training. Wo also We are living in a country where agricultural interests should receive first consideration, and how can it get the proper attention when politics are
in the hands of men engaged in other professions? We should have our own representative farmers in Parliament, and they should be men of sound judgment and able to hold their own against
others. These things can only be brought out ly education. Give every boy an education. I you cannot see the way clear to send him to an agricultural College, see that he is well supplied
with good agricultural literature. with good agricultural literature. These long
winter evenings afford an excellent opportunity to add to our store of knowledge. Farming today is a science, and if you are to be successful
you must keep in contact with the most imyou must keep in $^{\text {c contact with the most in- }}$ moved methods. A wisely chosen magazine and a journal devoted to the specialities of farming and farm life. in addition to the daily newspapers, are not expensive luxuries, and can, be
afforded by all farmers. As a reader of aithe afforded by all farmers. As a reader of "he far as my judgment goes, it has few equals as an agricultural journal. The useful information and suggestions it contains, from week to week,
will many times pay the subscription fee of one dollar and fifty cents. And since reading matter has come to be regarded as an essential of modern farm life, the points to be considered ability to circumstances.
ability to circums
Halton County $\qquad$ RUSSEL LINN.
Lambton County Co-operative Fruit Growers' Association shipped, during the past year, $93 \frac{1}{3}$ cars of products valued at $\$ 27,806$. This is only a smalspart of the production of the members of of locally. The management is now urging specialization in early potatoes, tomatoes and onions.
templated.

## Believes in Using Skimmers

## Editor "The Farmer's Advocate"

I have just received a letter, with a stamped and addressed envelope, wishing information i rugard to the best skimmer plow; and as it does not do to single out any certain manufacturer in your journal, and for the information of your readers who may have been interested in my letter of December 5th, I have concluded to send you a letter on "my experience on plows an lowing.
Having experienced the many changes of tillage since the opening up of the wilds of the outher part of Bruc County, when stumps, nags, chips and logs interrupted oxen and plow undreds of times a day, to the time when leve ot the young plowmau, to win prize ownship or county plowing matches feel that have more knowledge of plowing
The first year or two after the timber had een burned off, it was a difficult task to scuffle nough soil to cover the few seeds scattered I think the stumps. The old Anc and short from the cross-bar of the handles to the culter, the remark was often made, that the plowman could, reach to the coulter and clean any obstruction, brush or sticks away, without leaving his position between the handles.
was true, nevertheless, that long plows could not be pulled back easily, nor swung round, so close
together were the stumps. The shovel plow was admired we some, but never used after getting vere used then that would not be tolerated to day, any more than would the three-cornered drag With which we used to harrow the soil. This harrow
 with the altered conditions, although not always or the better, as was in the case of the old Grey sod plow. This was a long, narrow, tilted and took most of the prizes at our plowing matches. The inner side of the furrow would be six or seven inches deep and the outer part Judges and all were delighted, and there pras little wonder that all the young men pretending to plow had to have a long, narrow, high-cut sod plow : but the crops following did not prove and ruany very expensive plows were laid aside patent was probably the most useful plow, taking wide and deep furrow
e easier drawn. This is a mistake many to is easier drawn. This is a mistake; so also
is of the wide skimmer plow being hard to draw: The long, narrow plow, with a long pointed share, is looked upon as a wedge cpening In the long point, we find a large blunt wedge ower lost before there is any motion of the soil The share, too, is shoving into the soil, also, and still. no lifting of the earth. It may be looked upon as a wedge, but a wedge loes not
become effective until the two sides begin io open, and if a tough log, the wedge may be driven to With the skimmer plow, the skimmer is taking (probably two inches deep). This lessens the (probably two inches deep). This lessens the
power required to move the earth from the fur-
row, and this is being moved almost from the irst contact of the share. In the other case, we see a long point shoved into the earth, also
he coulter, nuaking at least nine inches of pene tration before there is a movement from the plow, a furrow perhaps ten inches deep and a eep and nine inches wide. So that in inche ing draits, there will be three times as much soil
moved with the skimmer plow as with the high A iew years ago I visited my native home in
Scotland, and took note of the system of agriculture there. Amongst the farms visited, was
one on the banks of the river Clyde, six miles from Glasgow. Amongst the many things that mer plow of the same make as the ones 1 had used for many years in Canada; and the con time was in praise of the skimmer plow, and h
claimed, as I did, that, for work done, it was easier than any other plow to draw, and he gave
me figures then of the draft required to draw me figupes then of the draft required to draw
different kinds of plows, taken from actual work
on the fields by a spring gauge to test the various
pulls, and the skimmer plow, such as I may say that this gentleman farmer paid a rental of $\$ 12.50$ an acre for 400 acres, making he yearly frent $\$ 5,000$.
Since learning the use of this spring balance implements power required to draw our farming manure spreaders, wagons, etc. I have concluded that it would pay any of the manufacturers to give tests of all machinery drawn by horses, for no one can calculate the amount of wasted power
resulting from improperly built machinery. With resulting from improperly built machinery. With
the sulky plow coming into general use, this test would soon bring upon the market the easiest drawing plow that
Bruce Co., Ont $\qquad$ WM. WELSH.

## Quebec Stockmen in Session.

 At the annual meeting of the General Stock recently held in Montreal, the following officers were elected :-Pres., Hon. N. Garneau, Quebec ; Vice-Pres., James Bryson, Brysonville ; Sec., Dr J. A. Couture, Quebec. The board of Directors is composed of the Presidents of branches of the General Association, viz., Horse Breeders' So-ciety, Joseph Deland : Sheep Breeders' Association, N. Lachapelle ; Swine Breeders' Society, L. Lavallee ; Cattle Breeders' Society, A. Denis. Hon. Martin Burrell, Minister of Agriculture for Agriculture for Quebec, were the chief speakers. The attendance was large, and the interest shown indicative of a coming live-stock progress such
"Good Intentions.
For the most part, nearly everyone intends to do something worth while. The past has slipped beyond our grasp, and the present-well, condimons are not just right. In short, the opportune glorious future-what stores of opportunities fflered, what ideals realized. In fact, the golden the proverbial ant success ie just beyona, like rainbow.
I do not, by any means, wish to make light of good intentions, for they are absolutely necessary and quite right in their place. But is it we never get any further than just "I intend to do this or that." How many little improvements and labor-saving devices around the farm would be made if only "good intentions" could be carried out-and why not? "Oh," we say,
"we are too busy just now-other things are more pressing at present; but just as soon as I can get time, why these things will be atended to without delay
Now, has it ever occurred to you that when deceiving ourselves? The farmer is a busy man as everyone knows, especially in these days when yet, is this very thing not used so keenly. But, cloak to shieid us from the idea that we are careless of off-putting
Yn all, no doubt, who always find time to do are they have planned for. And, again, there but fail to realize the fulfilment of their plans. This is rather a puzzle to some of us, especithey have tried as hard as it was possible to do The question then naturally arises : Why, where does the trouble come in? In the great majority of cases it lies in not taking advantage
of the present moment. There is no time opportune for any who have a work to do more duty to perform, than the present. It is surprising how a few minutes here and a half hour
there runs away with our time. And it is just here that many people fail to accomplish the little
extras which count so much. It is said that "it is the busy person who. fits is said that extra duties of lifr.." The time has come when
the farmers of Canada must work to advantage if they wish to keep abreast with the growing prosperity of our country. And if we want to everything cannot be done at once, and that the nol phrase, "There's another day coming," should that does not cast any reflection upon the importance of the present as the time to be
thoroughly utilized. How often do we find in thorouchly utilized. How often do we find in the spring-which, hy the way, is not so iur dis
tant-the advantage of having everything in readiness to start the seeding operations without
delay. They are perhaps only little things, but
or three days, and who can tell just what the no meal bll no means all that could be drawn from the three we make or lose just in proportion as we do our we make or lose just in proportion as we do o
best to make each day tell. And while we mayy make plans for the future, do not let us forge

The days are going swiftly, One by one : Good intentions mostly

Moments, precious moments
Fleeting fast away
That will opportunitie
Experience teaches, sadly,
Unless we take its best
Unless we take up gladly
Huron Co., Ont. COLIN CAMPBELL.

## Sport in the Country.

Editor The Farmer's Advocate Fdward Island, at a village called St. Peters, which has a scattered population of abqut one hundred families. We are a hard-working people
being mostly "tillers of the soil," and we have few, if any, idlers in our midst. Thus when w get a few hours for recreation, they are highly of a bay which juts inland nine miles both sides of a bay which juts inland nine miles from the
coast line, and in the winter months. when an occasional thaw followed by frost makes skating possible, everyone who can use skates takes ad-
vantage of the good ice -
A number of young people were coming home from church one evening during a snowfall, and
were watching the ice, on which we had been having some good fun for a day or so previous being rapidly covered up by the snow. A re
mark was made that it was a pity we could have skating all winter, and that we had to de pend on a thaw to give us a day or so of this
amusement, probably all we would get that amusement, probably all we would get that
winter. Someone suggested that we build a rink winter. Someone suggested that we build a rink
which was at first laughed at as a joke. Then it was proposed seriously that we build a tem porary rink on the bay, which we could take down in the spring, and the expense we
pay between us. This was the beginning.
Let me digress a little to say that previous to this undertaking we have a born reputation of the world, for proposing villages in this par progressive movement, and then organizing som aged and dropping it. Thus when we advanced our proposition a few laughed and said that w would not succeed, and that our undertaking around here by dying a natural death a natur We met for organization at a neighbor's hous on December 19th. 1911, and formed a club
which we called the St. Peters Sporting Club We appointed a president and secretary-treasure and enrolled about thirty members who paid a initiation fee of one dollar meachbers who paid an
declaration which declaration which was accepted unanimously that we would stick together and would allow no
dissention to enter our club, that should any dis agreement arise as to management, we would arbitrate the matter peacefully among ourselves preserve amicability in our club, and if your $\mathbf{t}$ preserve amicability in our club, and if you fol
low me a little further you will see how well we
We secured the commercial sample rooms o
the village for a temporary the village for a temporary meeting place, an
arranged for a meeting two nights of each week The second sitting we had we discarded the plan of building on the ice, and determined to build a no funds except the few dollars realized from the initiation fees, and our first move towards the execution of the plan was the discussion of raising a basket social, which was finglly hold upon after other suggestions had been considered A concert committee was appointed who were to
proceed with the arrangements of the social. This done we talked and planned how we would
go about building. One of our local hlacksmith ofered to give us the land back of his forge enough to accommodate the building. This has
a heavy brick-clay soil. which holds water most as well as cement. We Weccepted this offer, pointed a committee to go and locate some standing timber, which could be bought reasonour funds lasted. Then on we bought as far as all the boys of the club with their teams and axes went to the woods and cut and yarded the
timber, and hauled it to the mill. Our miller
had some timber of his own, and he donated a quantity on the stump; which we also cut and of the required amount of timber
The rest of that winter 7as spent in getting
out the balance of the frame wherever we could out the balance of the frame wherever we could buy it, in hauling the sawed stuff from the mill
to the site, and in preparing and carrying out to the site, program. You must remember that our did all this work after our day's work was
we
done except two or three days that we took off done, except two or three days that we took off
the first month that we were cutting the timber. Our social was a complete success. We had a
stormy night, but had a good big crowd, and surmy night, but had a good big crowd, and
realized the sum of $\$ 105.00$. Then a week later realized the sum our concert crew over to a neighboring town or villag.
ninety dollars.
By the time spring had arrived we had all the
lumber on the spot, and after this we let matters lumber on the spot, an we held a meeting and $d$ diop till June, when dropted a day for grading and excavating on the pointed a day for grading and excavating on the
site. The aypointed day saw a crowd of our boys arrived on the scene each with his team, and
they set to work with such a will that the job as done in a day
Having some funds on hand now we put car preparations for a Dominion Day tea party. The carpenters rushed ahead with their work, and on
the day we held our tea party we had framing the day we held our tea party we had framing
enough done to show that we meant to carry this undertaking to a successful issue. The tea
party was also a grand success, and we cleared party was also a grand success, and we cleared
something over $\$ 700.00$. This we estimated would finance our scheme to a finish.
The work went on, and now our rink is an established institution. We have great ice on
the ground floor, and a jolly crowd of men and the ground floor, and a jolly crowd of men and women, as well as boys and girls, enjoying a
skate three evenings of each week. We have had a great many difficulties to overcome since the
start. Being short of time we hauled lumber at night till one o'clock in the morning during zero
weather, time after time. Then when all the construction work was completed our water supply ran out. The two wells to which we have pipes connected ran dry. We turned out again and
carried water in large puncheons. We baled all the wells in the surrounding village dry, and ye it looked pitifully small on the floor of the rink. Then we had a big thaw, and we were lamenting
among ourselves the fact that our hard work mould go for naught, as the ice which had hardly
caught over the top would thaw and the water all run out. However, when we went to view
the remains the next morning after the daluge, a very, very pleasing surprise was in store for
us. The weather had turned cold during the night, and the water from the hill above had found its way into the rink, and lay a perfect truly a gift of Providence, and it taught us a ability in any worthy enterprise, even so in significant as the building of a boys' skating rin Father will give us a help along towards success. We have been discouraged time and again, by
some in the spirit of antagonism, to be found the world over, by others of in a spirit of pity
worl engendered by the supposition that we were ex
pending energy on a scheme which would never materialize. We listened to none of these sentiments, which acted rather as a spur than a
damper, but went right ahead and boosted all the time. We also received a lot of encouragement from the few older heads who believed in us, and it-did not do us any harm for sure. Our rink is
now a recognized success, and is a self-supporting institution, as everyone pays for his skating
members and all. Our village is more united and has a name for pluck and enterprise through Who province.
would exchange the delightful life in the a pure clean social intercourse, and good health ful amusement, for the overcrowded, cramped artificial existence in the city? It strikes as a
very true saying that "God made the country,
and and man the city." Hat "God made the country, are just as busy in ne sense, that is we have just as much work to accomplisht as they have in any city, our time is, if anything, more fully occupied with work,
but' we are all the time in close touch with nature and things as God made them, and before hey have been disfigured by man's superficial at what we can crovement. What we want, and o. keep our young people at home. It mus heeds be that some of our strong countryybred
bone and brain and brawn, go to the city, other bone and hrain and brawn, go to the city, other
wise the country would be overcrowded and th city starved, but there is no no need for the the
excessive migration of our sons and daughter rom the country to the city as son an they
each maturity. The cause of it in the past has
een largecly due to the late each maturity. The cause of it in the past has
een largely due to the lack of social life in the
ountry, and the mistaken idea that they have lots of such life in the city. But already th
realize that if we stay at home and work as hard
improving our farms or whatever business
claims claims our our farms or whatever business which
much better situated than country, we will be would be working much. better situated than we would be working
for a hard boss in any occupation in the for a hard boss in any occupation in the city,
and having for our home the four narrow walls
of our boardin Our boarding-house bedroom.
Our skating rink is only one idea, and there are many others which might be made just as and the very attaining of which of a little effort, is pleasant. P. E. Island.

Seven Miles of Corn. Seven miles of exhibition ears of corn ! Such Corn Growers' Show, held in Windsor Ontario week. Not that we ran a tape over all the ears, Secretary W. E. J. Edwards, B. S. A., District Agricultural Representative in Fssex County, ingreat majority a the 650 exhibitors entered, the or seven entries apiece, many containing ten ears per entry. Allowing for bushel lots, the total thousand ears. And it was some corn-"cor that will grow." Approaching ideality in type and displaying high finish in point of evidence that Surnished impressive and convincing number one corn in abundance to supply the demands of ensilage corn planters in sections of Canada farther
The County of "Essex styles itself "the Sun door. Situated at, the head of the Detroit River.


Sir Belle Abbekerk De Kol No. 4390
This, bull's dam's R.O.P., for one year, is 15,454 lbs. mill, and 685 lbs . butter he good ones to be sold
Woodstock, March 11th.
it is connected by ferry with the great and growing city of Detroit, which seems but a stone's is something like half or three-quarters of a miver across. Windsor, like so many other of our frontier towns, has long been regarded as a mere is changing. Windsor, of late, has been growing rapidly-the most rapidly, real estate agents claim, of any city in Canada. The population
is locally rated at twenty thousand. A progressive city like this should have been able to do great things for the Corn Show, which as a ぬeal estate advertisement, might have been civic officials neglected the show till the last minute, failing to prepare the Armories, as expected, and the officers of the Corn Growers Association worked until two or three o'clock in the more emphatic in condemnation of the treatment received from the Mayor and Aldermen in charge, and stoutly deblared they would never bring the show back to her slim certainly chances of hecoming the seat of the district winter fair which is being mooted, and to investigate the feasilility of which a committee representing six counties was appointed at the an
nual meeting of the Ontario Corn Growers' As

Predominant in point of numbers was that comparatively recent introduction - Wisconsin
vo. 7 -which has only been grown commercially in Essex for three or four years, but has won
high favor as a strong-growing, leafy-stalked. high-yielding variety of good corn. Next to it
stood Wiite ('ap Yellow Dent, that excellent old stood Wiite ('ap Yellow Dent, that excellent old
stand-hy, of which, however, there is an endless
number of strains, exhibiting much diversity of characteristics. Then comes Bailey, a most excellent yellow dent variety, which has long been
grown here, and which Prof. R. A. Moore, of Wisconsin, paid the very highest ecomiums, declaring that with a little good breeding work put upon it, it would rank as one of the best corns dent corn for Southwestern Ontario to unite upon and make itself famous for. Early Leaming was also considerably in evidence, as well as Coatsrorth's Hybrid of the Reids' Yellow Dent, which解 few years ago. Among the flints, Longifllow,
Compton's Early and North Dakota ranked in bout order of mention.
But these kinds enumerated were by no means
all. There was red corn, black corn, smut corn, aweet corn, pop corn, and dear knows how many other kinds. Then there were novel and educational ex́hibits of notable character. Kent County's "endless supply of cern" wias visualized
by a Niagara Falls of shelled kernels, operated by a Niagara Falls of shelled kernels, operated glass show-case two pairs of pigs established the exhibit wes Club of Was put up by the Fletcher Farmers Farmers' Club had a striking Ferris wheel of corn, which occupied the center of the floor. The Essex farm of the Walker Company, whose extensive farm enterprises are managed by T. $\mathbf{S}$
Biggar, hal
$a$ fringed with alfalfa; while Progress versus Obstinate Stagnation was amusingly depicted by a companion exhibit showing on one side a
member of the Corn Growers' Association, with a well-ordered farm, producing first-class corn of "ne or two kinds: while on the other was a ever been at a corn show
before. He had his old snake rail fences, poor
weedy fields, a ind mongrel lot of corn which resembled Joseph - Then there was a well-contested junior department, under charge C h ool Inspector for partment were prizes for exhibits of corn by oys and giris und six teen, and also trophies corn juvges.
Whe says Whe says a corn show can't be made interest
ing ? The crowds which thronged $t \mathrm{he}$ Windso Armories found much to
observe, and when one attends the judging classes held in connec-
tion with the show, and gets down to a minute
study of the desirable points of an ear of corn, a great field of stud opens out before him.
exhibits and learns $t$ exhibits and learns to discern "brains" in an ear
of well-bred corn-the brains of the man who bred it.
Endless opportunities are still open to intro duce novel and educative exhibits, such as com parisons showing shelling percentage of differen
strains and varieties, chemical composition as denoted by exterior appearance, and so on.

A natural corn country is the peninsula of of suthwestern Ontario. "Sun parlor" conditions of summer temperature and a late autumn favo the growth of this great hot-weather plant, pro-
ducing in the seed corn grown here a perfection ducing in the seed corn grown here a perfection
of finish seldom attained with dent varieties in other parts of Canada. Other counties can grow great corn for ensilage, and can often produce rule, the ears are inclined to be loose and flimsy twisting easily in the hand, in contrast to the well-filled,. hard, close-set kernels of Essox and Kent corn, which makes an ear of it almost as rigid as a club. The level nature of the county Windsor, for instance, is a forty-five mile stretch of country more level than many prairie districts Drainage is secured by big ditches or "young on the north. In summer great fields of cor reach away on either side, while at this seaso occasional fields of shocks or unharvested stalk proclaim the need of silos
The importance of the corn crop in Untario agricuture is rapidy growing. As Dr. G. C.
Creelman brought out at one of the meetings held in connection with the show, there were more hushels of shelled corn produced in the Province
than of wheat or of potatoes. The corn crop of

Ontario is worth more than the horses and more used to have a phrase "As good as the wheat." We shall have a to revise it and say instead, "As good as the corn

## BUSINESS MEETING

The annual meeting of the Corn Growers' Asseciation on Thursday evening lasted until 1.30 from J. M. McCallum, written to a member of the association, complaining of unsatisfactory seed corn that had been received from a certain this letter. It was suggested that one or more organizations be developed for the marketing of seed corn, using registered labels or trade marks.
The difficulty of guaranteeing that all the memThe difficulty of guaranteeing that all the members using the label would send out seed corn
strictly up to the mark and various other obstacled deterred action along these lines. It was suggested that Eastern Ontario farmers be encouraged to buy their seed corn on the ear, and
some suggested that they ought to purchase in some suggested that they ought to purchase in
the fall. There are some good reliable men shipping corn out of Essex County, white some thers are at a loss to market good corn at seed prices. Again, there are others apparently quite member told of having seen a carload of corn laken out of a creek and shipped for seed. Another had learned of a local elevator company being instructed to fill orders for four different
varieties out of the one general run of Yellow A resolution was presented in favor of estabishing a station for the testing of different to determining and uniting upon a uniform type of each variety. The members, however, felt that as there are so many men working out types nd strains of their own, it would be well to let esolution was not adopted.
Several hours were spent over the proposition to enlarge the annual corn show by adding other
grains and fat stock, making it an all-round grains and fat stock, making it an all-round
winter fair. Some proposed to go easy by adding a few things only at first, such as beans and tobacco. Others wanted to launch out a.t once on a broader scale. A committee representing six counties was finally appointed to interview
the Government and also see what could be done with the various towns and cities within and adjacent to the corn-growing territory. The committee comprises: Edgar M. Zavitz, T. S. kinson and Dr. Fairbanks.
New officers elected are: President-Byron
Robinson, Wheatley First V Robinson, Wheatley ; First Vice-President-Robt. Gregory, Chatham ; Secretary-W. E. J. Edwards, Essex ; Treasurer-J. H. Coatsworth,
The review of the lecture program we shall ceserve for subsequent articles. Just a few im
oortant points from the Wednesday
dresses. Hon. J. O. Reaume, Minister of Public Works
for Ontario, announced that it was the intention of the Provincial Government to vote, "at least", millions in order to assist in making roads.
Hon. Jas. S. Duff, Provincial Minister of Agriculture, in a vigorous address, urged that no other province or state in America had sach op-
vortunities for diversification of agricultural industries as Ontario. The problem for each individual farmer to solve for himself is, "What
is the best line or is the best line or lines of farming for me t Duff paid a graceful tribute to the district rel resentative, Mr. Edwards, who has so well carried
on the work commenced by Mr McFenne on the work commenced by Mr. McKenney. Agricultural College, completely of the Ontario idea of local demionstration farins. The impredited the ate neighbors would take less stock in such farms
than would men at a distance than would men at a distance.
In his final address, Prof an old Essex County boy, now in Minneapolis a Development Commissioner of the Great Norther Railway, tendered a piece of advice applicable
to more than Essex County. He said: "Any to more than Essex County. He said: "Any
son of England or Canada who lets a Yankee come into Essex or Kent and Lambton and buy his farm is a sucker, because there isn't any other place in the world where he could do as well.,"
Look to the development of the skill of the poys Look to the development of the skill of the boys
and girls, and Ontario will lead the world An address on tile drainage was delivered by
Prof. Wm. H. Day, and at Prof. Wm. H. Day, and at the same session by
resolution was unanimousty resolution was unanimously carried to the effiec
that: "Whereas tile drainare is an atole cessity for the proper development of the low lying lands of Ontario, without which it is impossible to obtain the full advantage of the vast
amount of money expended in constructing amount of money expended in constructing lar, lator the work has to be carried on hy expensith

Ontario Corn Growers' Association go on record the secretary of the Dominion Cattle Breeders' Commons praying for the removal of import more attention to the transport of stock to pay
duties on tile-drainage machinery and parts thereto
Ayrshire Breeders make Progress. - A large number of enthusiastic Aryshire breed ers were in attendance at, the annual meeting of The pasocian in Montreal, February 12 t . tary past year has been, according to the secretary, the best year in the history of the Ayrshire
breed in Canada. Breeding and feeding are ac-


Byron Robinson, Wheatley, Ont. President Ontario Corn-growers' Association complishing steady progress. The balance in the There were 424 the handsome sum of $\$ 4,735$ in 1911, and the increase in assets was $\$ 1,514$, After considerable discussion on the matter a National Exhibition, a committee consisting o Ont., and H. C. Hamill, Box Grove Ont Menie appointed to confer with the other breed associa ions on the matter. from exhibitions, especially to dairy cattle, and that they grant a half-rate fare from one exhibiThe another, where it does not now exist. The Provincial and Federal Ministers of Agri-
culture are again to be memorialized regarding the matter of legislation meading to the paying for milk in .proportion to the food value it actu-
montans.

The grants to dairy tests at Amherst, Guelph and Ottawa Winter Fairs were set at $\$ 200$ each, mature cow, three-year-old, and two-year-old heifer, is an Ayrshire, $\$ 50$ to be added to each class. The following grants to exhibitions were
made: Toronto, $\$ 150 ;$ London, $\$ 50 ;$ Sherbrooke made : Toronto, $\$ 150$; London, $\$ 50$; Sherbrooke Halifax, 'Charlottetown, Winnipeg, Regina, Calgary, Edmonton and New Westminster, $\$ 50$ each, and Saskatoon, Ked Deer, Victoria and Chatham, $\$ 25$ each
The new President is Wm. Stewart, Menie,
Ont.: Vice-President-G C
P N.B.; Secretary-W. F. Stephen, Huntingdon, Que.; Eastern Directors-R. R. Ness, Howick, Que.; G. C. P. McIntyre; P. D. McArthur, North Georgetown, Que.; M. St. Marie, Moe's River, don, Howick, Que., and James Bryson, Bryson-(Note.-The gist of the President's address and a Short account of the breeders' trip to Macdonald

The average of prices received by producers of the United States frices received by producle crops increased of 1.5 per cent. from January 1st to February 1st,
which compares with an increase of 4.7 per cent n the same period a year ago, and an average past five years. On February 1st prices of staple rops averaged about 19.7 per cent. lower than on like date of $1912,6.0$ per cent. lower than in
$1911,18.7$ per cent. lower than 1910, and 6.5 per cent. lower than 1909, on like date

Favorable reception was given in the House
if Finance Minister, to a proposal of Thos Meighen, duction in Canada of a bertarie, Man, for the introlection in Canada of a better and cheaper sysviewed editorially in "The Farmer's Advocate" of January 9th. A general Act may be framed at an early date. $\qquad$
The article, "Shall Farmers Keep• Bees?" appearing in the Apiary Department of "The
Farmer's Advocate of February 13th was written by J. L. Byer, of York County, Ont., whose name should have been appended.

The annual meeting of the Canadian Seed Growers' Association has been fixed to be held at. Ottawa on March 6th and 7 th. L. H. Ne
man, Canadian Building, is the secretary


Part of the Ontario Corn Exhibition in the Armories at Windsor, Ont

## MARKETS。

## Toronto

Review of last week's markets
 cars, comprising 1,515 cattle, 772 hogs,
265 sheop, 36 calves, and 45 horses; no
 and hogs. One dealer tatetod that hoge
mould be so..25, fed and watered, and mould be
88.90 ? Receipts of live stock at the City an
Onion stock - yards last weok were as follows

| Cars ........... | 18. | Union. | , |
| :---: | :---: | :---: | :---: |
| tle ...... .... | 380 | 8,697 | 4,077 |
| gs | 229 | 8,040 | 8,289 |
| Stheep | 189 | 819 | 1,008 |
|  | 79 |  | 503 |
| Horses |  | 74 |  |




The combined receipts of live stock at
the two markets, show an increase of 31 carloads, 686 catle, 858 hogs, 260
calves, and 4 horses; but a
sile
decrease of sponding week of 1912.
Receiits
onto markets last week were light To
 there were few outside buyers, and prices
ruled barely steady: in tact, for those of export weights and quality, they were
10. to 150 . per cwt. 10 wer than for the previous week.
Exporters.-There were none bought for
export but there weighing trom 1,140 to 1,300 lbs., that
sold thre
$\$ 6.90$ to taken by the local abattoirs.
Butchers'.'Choice butchers'
cattle sold


 quality sold up to $\$ 5.50$ and $\$ 5.75$. to 750 and 800 liss., sold from $\$ 4.75$ to
$\$ 5$; teeders, 850 to 950 lbs., at $\$ 5.25$ to
$\underset{\substack{5.50 \\ \text { Milkers } \\ \text { Mend } \\ \text { and }}}{\text { ppringers.-Few good ones }}$
 the bulk going at $\$ 45$ to $\$ 85$, with
a very few of the good to choice, at $\$ 70$
to Calves.-The demand was greater than
the supply, and prices were very firm.

 St calves sold drom $\$ 7$ to $\$ 9$ per








 were reported as being about steady
wition those in our previous report. BREADSTUFFS


Montreal.


Poultry.-Supplies of poultry were on
the light side. Choice turkeys sold at 14c. to 22 c . per lb.; ducks and chickens,
14c. to 17 c . per 1b.; geese, 13c and fowl at 11c. to 13 c . per lb. Dressed Hogs.-The market for dressed
hogs was steady to firm, in sympathy
with that for
 13ic. to 13 che. per 1 bc . for abattoir fresh-
killed stock, and 13 c to 13 te. per li.
for country-dressed, light weights, and for country-dressed, light
12at. to 12ac. for heavy.
Potatoes.-Supplies were quite large and as a result prices quite large,
ane a shade
lower, it being possible to purchase lower, it being possible to purchase
Green Mountains, earloads, on track, at
72 c . to 73 c . per 90 lbs., while Quebec pot. to 73 . per 90
potatoes. were about 5 l ., while Quebec
figures figures. For smaller lots, edd 25 c .
Eggs.-Quite a few have been brought in from across the border, and more ar market was rather firmer, owing to the
colder weather. Fresh eggs were quoted colder weather. Fresh eggs were quoted
at 35 c . to 37 c .;
andeects held at 25 c . Syrup and Honey.-The market Ro honey was unchanged, at 16 c . to 17 c .
per lb . for white-clover comb, and 14 c . to 15 fc . for dark; 11 lc . to 12 c . for
white extracted. and 8 cc . to 9 cc . for dark,
Syrup sold at 7 c , Syrup sold at 7. . . oce. per be. in wood,
and 8c. to 1oc. per lb. in tins and 8c. to 10c. per lb . in tins; or,
rather. it was quoted at those figures, There was was litle or or none to be had. Grain.-There was very little new in
the market for oats. No. 2 Canadian Western sold at 41c. per bushel, in car
lots, and extra No. 1 feed at 40c. per bushel, ex track.
Flour. - The market for Manitoba :wa Flour.- The market for alanitoba was
steady. First patents sold at $\$ 5.40$ per
barrel. in bags; seconds, $\$ 4.90$; strong bakers'. \$4.70. Ontario winter-wheat
patents were auiet at $\$ 5.25$ er patents were quiet, at $\$ 5.25$ per barrel
in wood, and straight rollers, $\$ 4.85$ to Millfed.-There was very little new the millfeed market. Bran still sold at
$\$ 20$ per ton, in bags, and shorts at $\$ 22$ $\$ 20$ per ton, in bags, and shorts at $\$ 22$,
while middlings were $\$ 27$ per ton, including bags. The market for mouill
was steady, at $\$ 35$ to $\$ 36$ per ton fo Hay.-Dealers still reported No. 1 hay
at $\$ 14$ to $\$ 14.50$ per ton, carloads, track, for pressed hay; No. $2, \$ 13$ to
$\$ 13.50$ per ton, and $\$ 12$ to $\$ 12.50$ for
No sold at around $\$ 10$ to $\$ 12$ per ton.
Hides. - Save for a falling of in qual ity, the market was steady. Prices wer
12 k c., 13 c c . and 14 k c. per 1 b ., for Nos. 12 c., $13 \frac{3}{3} \mathrm{c}$. and $14 \frac{\mathrm{c}}{} \mathrm{c}$. per $1 \mathrm{~b} .$, for Nos.
3,2 and 1 beef hides; 14 tc and 16 c . for
Nos. 2 and 1 calf skins; $\$ 1$ to $\$ 1.10$ each for lamb skins; $\$ 1.75$ and $\$ 2.50$
each for horse hides;


Trade Topic
Choice ensilage seed corn that will
grow, of the Mammoth White, Improved
Leamin grow, of the Mammoth White, Improved
Leaming, and Yellow Dent, in car lots,
is advertised by the well-known growers, is advertised by the well-known growers,
E. R. Errich \& Sons, Springfeld, III..
whose 1912 crop is described as very

## Gossip.

Inadvertently the footline uncer the cut
of a Leicester sheep. in our issue of Feb.
18th, read a "shearling ram"


 J. T. Gibson, ot Denfila, Midalesex
County, Ont., well known as as breeder






To settle an estate, a fotock farm of
107 acres, in Beverly townthip, 10 milee 107 acres, in Beverly township, 10 miles east from the prosperous town of Galt,
Ont., on a county stone road, is adver Ont., on a county stone road, is adver
tised for sale on another page. $\begin{aligned} & \text { Two } \\ & \text { bank bainns joined, a large modern dwell }\end{aligned}$ bank barns joined, a large modern dwell-
ing house a never-failing spring creel, school within quarter of a mile, ede-
phone and rural mail delivery, are among
the attractions of this property, situated the attractions of this property, situated
in one of the very best farming districta in one of the
in Ontario.

> SALE DATES CLATMED, 25 th - Monro of Lawless. , Ont.; Holsteins. eb. 25th and 26th.-Union Stock-yara
Co., Ltd., Toronto; Clydesdales and Percherons. Ont. Short 25. March 4th.-M. Reg
Clydesdales and dairy Lemonville, Ont. March 5th.-Annual Contribution, Sale of pure-bred cattle, at Guelph, Ont.
March 6th.-James Cowan, Seaforth, Ont.; Shorthorns.
March 7 th.-Executors, Thos. Weir, Scarboro, Ont.; Jerseys and Oxford Downs,
March 11th.-A. H. Teeples, Currie's March 11th.-A. H. Teeples, Currie's
Crossing,
Wont.;
Holsteins.
Wale at Woodstock.
Ont.: Holsteins and Tamzie, Willowdale, Ont.: Holsteins and Tamworths. Monro \& Lawless, Thorold, Ont., whose sreat sale of high-class Holstein cattle
is to take place Feb. 25th, write: "In offering our Holsteins to the public, as advertised, we do so with the firm con-
viction that this is the best lot of dairy cettle, from more than ole point of view, that was ever offered to the dairy-
men of Canada, and we fully believe that men of Canada, and we fully believe that ney will appreciate this opportunity to
augment their herds with these chotee
nimals. Such is our conidence in their augment their herds our conidence in their
animals. Such is
judgment, that we are offering cattle we judgment, that we are oflering cattle we
never priced privately, for we belliove hever priced privately, for we bellove
that there is no fairer way to set the value of high-class stock than the auction
sale. Our cattle average younger than are sually offered, which means the purchaser will buy cattle that will largely, increase in value for him, and give the largest most of them have all their years of
usefulness ahead of them. As individuals, they are a splendid lot, large, straight, and handsome, but showing
good dairy capacity, and strong constitutions. Those in milk carry beautiful, teats of good size. As producers, they
are also well above the average, and are also well above the average, and
while we lay no claims to having worldbeaters, we believe that for average pro-
duction there are few herds in Canada that will equal them. The breeding of
these animals is also superior. Never before was there an opportunity to set one's own price on so much of the blood
of the world's best producers. There are more granddaughters of Hengerveld Kol, De Kol
2nd's Butter Boy 3rd, Johanna Rue 4th's Lad, King of the
Pontiacs, and King Segis, than was ever Pontiacs, and King Segis, than was ever
offered in one sale before. We have not, since our last sale, bought a cheap or
inferior animal; we have been careful inferior animal; we have been careful in
the selection of our herd bulls; we have reared our calves well, and the result we
are offering to the public. These cattle re ofrering to the public. These cattle
have been subjected to the tuberculin
test, and the buyer of each animal over six months of ager of each animal oven
cate to cate to that age will receive a certif-
pense


The Detroit Museum of Art.
(By w, $\mathbf{w}$
ro a lover of the beautiful and the historic, a visit to the Detroit Museum of Art is one of the pleasures of a lifecime. Whatever else in this bright, animated American city may attract the Nor, twe turreted building of sedate servi stene on Jefferson avenue, dethese porlace. shand before, let not the charm of its many well-lighted galleries escape you again, for in them beauty is always holding a tree 1 homo to the appreiaive observer. The art of a people is an expression of their gitts and sympathies, graces and ideals. It flowers not today to perish to-morrow. The appeal perennial. In a collective sense, art is a growth, a species of creative evolution. Those who have the honor to bring into existence these museums, need the all-seeing eye of the artist, and the collective instinct. Like great artistshey are born-not made
Art is of particular Detroit Museum of suggests to other communities the duty of preserving the curious and the artistic achievements of past and present to achievements of past and present, to perpetuate a wholeseme public spirit.
Something like this should be doing in Something like this should be doing in yoar 1883 a great loan exhibition of year 1883 a great loan exhibition of
pictures was held in Detroit, backed by
the guarantee of generous citizens to the guarantee of generous citizens to provide against possible shortage, but so well was the event sustained, that there
was a surplus of some $\$ 4,000$, which became the nucleus of a fund to found a permanent coilection, With patient ef
forts the work began; paintings rare lorts the work began; paintings, rare
prints, etc., were added, and the city in prints, etc., were added, and the city in
time came to discern with pride the beauty and the use of its art home. In mere dollars, three-quarters of a million would be a moderate valuation of the
Museum now; and plans are under way or a superb new palace of art on Woodward avenue, which will probably cost a ouple of millions when completed.
Through the untiring devotion and re search of the late Frederick Stearns, fine collection of natural history, eth nology, mineralogy, archeology, and oriental material was brought together mense service to public and private schools. The court of sculpture con-
tains many representative casts of eains many representative casts of famous statues, and some original mar-
bles. institution has constantly had the enthusiastic support and co-
operation of loyal friends. Many of its operation of loyal friends. Many of it through individual generosity, or the
united effort of persons in securing picures of undoubted repute, in addition to those secured by purchase of the management. More than twenty-two
years ago, the institution, which had years ago, the insticution, which had in enlisting the resourceffle genius of A.
H. Griffith as Director, who has since H. Griffith as Director, who has since
made its development his life work, and to the success of which it is a splendid of a strictly classical order, permanently dorn the walls for the pleasure of visit art students. Thus to assemthe for the
withal so pleasing, representing the work her husband, with 15 additional master $\begin{array}{ll}\text { of more than } 170 \text { of the world's greatest } & \text { pieces. (By old masters are meant pi } \\ \text { artists, is an achievement the magnitude } & \text { tures appearing before the 19th century }\end{array}$ and merit of which is simply beyond Then, there are over 100 of the vet praise. How much it reveals theyorld and humanity! From time to time, there are loan exhibitions from artists, art organizations, and other art muse-
ums. At the time of the writer's visit. there was a charming collection of contemporary American pictures, mostly Arts Club in oils, from the National bulletin, issued quarterly, An illustrated press, keep the people acquainted with what is being done at the Museum. A specialty has been made of the educaphotographs and lantern slides, means of photographs and lantern slides, and other
material freely loaned, and by information furnished enquirers. The eflorts of the management have been greatly furthered in that respect through the admirable photographs and art prints pr

he Young Artist
ainting by Ellen Kendall, Baker (Mrs. H. Thompson), in Detroit Museum of Art
whom we are indebted for the use of drawing of her sister; "The Wedding In five pictures illustrating this article. a Dutch church scene, by Gari. J. Mel
 The first masterpiece secured was a by Constant Troyon, one of the most
1 Tith Century Italian painting, "The famous of French animal painters;
Siritual Spiritual Bethrothal of St. Catherine of "Memories of Japan," by Hiroshi Yos
Alexandria with the Infant Jesus," the hida, a Japanese, who studied with an gift to the Museum of Pope Leo XIII. Italian-trained teacher, and sulsequenly
The late James E. Scripps, a Detroit painted in America. This picture is journalist of affluence, spent some four of lovely color and good composition
years in Europe acquiring a unique col- representing children playing under lection of old masters' paintings, whit
in 1889 , to the number of about. 70 , Mresented to the Museum, and this, in 1909, was penerously supplemented by

The Roundabout Club
Study II--The 「Greatest Movement in the World To-day.
the war between capttal and LABOR.
(A prize essay.)
["Dufferinite," Dufferin Co., Ont., co siders the war between capital and labo to be the greatest movement in th world to-day. Here are his ideas o
the subject.]

Probably the greatest movement in the
world to-day is the war between world to-day world has ever seen. greatest war th of a few years, but of centuries; it not confined to one country, but its is Auence is felt over the whole world. This strife is one feature of the great
struggle between good and evil that has struggle between good and evil that ha
ever been in progress. Every year th struggle deepens, the chasm between the rich and poor grows larger.
are becoming exceedingly rich
The word millionaire has given per The word millionaire has given place to
multi-millionaire, and the incomes
these modern princes of finance are great that they cannot be computed. in the United States, and several whos yearly income is over a million dollars, acquired chiefly through oppression The middle classes, upon whom the being wiped out, and if conditions kee on as they are now, there will soon be no middle class, but all will be very rich or very poor. Nothing shows this more stores, and the failures of small busi ness concerns.
The decrease in the rural population another big factor. Young men an
women leave the farm for the city, and there become the slaves of the grea corporations, such as the railroads, large stores, etc. This throws into the labor with such men at their head the an ing people have become so well organized that they are feared, even by the One result of labor is the prevalence organization Wealthy monopolies reduce wages to the become so low that the employees can become so low that the employees
scarcely live, the labor union calls strike, many times accompanied by destruction of life and property. The
baneful effects of most strikes is seen the recent "dynamite conspiracy" trial Workers' Union called a strike that violence was resorted to, which ended in the blowing up of the Times building at los. Angeles, and the death of 21 per-
sons. A short time ago the trial wa finished, resulting in the sentencing of for long terms. will not correct the a resort to violence the wrongs of the workingman exist. If soon righted, we will have a reign of anarchy, which would be the worst evil try. Anarchy is the abolition of all richts' of property. It means the over-
throw of man will be a law unto himself. if anarchists gained control, they would
turn and fight among themselves, the future state of the workingman would be worse than the present.
At present, the outlook for any

FEBRUARY 20, 1913
eems very dark. The accumulation of vast sums of mosey has always been a bad thing for society. A few very rich
men, and a large number of very poor men, is what gave the world the French
We see a condition airs very mach the sam condition of af ay. Never before in the history of the country has there been so much money in the banks and so little in the pocket omething is and when this is true omething is wrong, and the only rem
ody seems to be for the men who the money to right that wrong, for lies in their power,-not with the poo man. $\begin{aligned} & \text { mufferin } \\ & \text { DUFERINITE. }\end{aligned}$ Dufferinite's essay will, of course, a once suggest the questions: Is it tru world was the gap between rich and poo so great as at the present time? Does such a condition obtain, generally, the
world over ? Is it true that the midworld over? Is it true that the mid-
die and lower classes are being rapidly dle and lower classes are being rapidly
enslaved by a few men, trust and cor poration magnates, and shareholders? Without further comment, we quote be low the opinion of a number of eminen
men who have been making a study o sociological problems
"Never before has wealth accumulated to such a degree at the top of the social
ladder, or poverty taken on so foul an ladder, or poverty taken on so foul and
extensive an aspect at the bottom." Sir Alfred Russel Wallace.
"Let us watch that we do not fall into the hands of a few corporations. It is
dangerous to true democracy when one dangerous to true democracy when one
man can be named by his initials and in danger of seeing far too many of our resources gobbled up by a few corpora tions. It is getting to be that private members of Parliament are enjoying less
and less infuence, and becoming cipher or voting machines. It they cannot ge the Cabinet to endorse their proposals, they are scarcely given a hearing.'"Credit Men's Association, Jan. 16th.

It is true that Socialism has yet seeds are progress in Japan, but the sowed every day by men heartbroken by sight of the sufferings of the poo and the daily sinking of the populatio into worse poverty. Even the people in to make a living, and are selling their lands. Strikes are becoming common; in fact, Nature is avenging herself:" . the country there mines are opened; the Japanese flag floats over innumerable vessels, and compete successfully with the most powerful com-
panies of England and Germany and panies of England and Germany; and
luxury ostentatious. Rolling by in their splendid equipages, the nouveaux riches pass through the streets of the capital.,"

A portion of the testimony given by e financier, Mo. Gee. F. Baker, of New question under consideration was the conentration of the control of credit, Q.-You think it would be dangerous to 0 farther ? A.-It might not be dangerous, but still it has gone about far enough. In do any harm. If it got into bad hands. it would be very bad. Q. - If it got into bad hands it would wreck the country?
A.-Yes; but I do not believe it could get into bad hands. Q.-You admit that if this concentra-
tion, to the point to which it has gone, tion, to the point to which it has gone,
were by any action to get into bad hands, it would wreck the country? A. - I cannot imagine such a condition said I thought it would be bad, but
do not think it would wreck the country. I tho not think bad hands could manage it. They could not retain the (2.-We are speaking of this concentra pon which has come about, and the
phat brings with it, getting power that it brings with it, getting
into the hands of very ambitious men,


The Wedding.
Painting by Gari, J. Melchers, Detroit Museum of Art
" Thistle
perhaps not over-scrupulous. You see a A.-Very much.
peril in that, 'do you not? Q.-Do you think that is a comfortable A.-Yes. situation for a great country to be in? Q.-So that the safety, if you think
there is salfety in the situation, really
lies in the personnel of the men? Do reckless and ruthless men ever pic-


Return of the Flock

## The Heroes I of $I$ the

 Antarctic."Dying in the trench
Snow-cold, in snow."
So wrote a poet of those who heroically, wrote a poet or those who heroic-
posure in one of the campaigns of the posure in one of the campaigns of the
last contury when war was considered last century when war was considered a
nobler thing than it is to-day. To-day, nobler thing than it is to-day. To-day,
wo realize a deeper heroism than even We realize a deeper heroism than even
that of the soldier. The man who risks
his lite in the cause of seience thets his lite in the cause of seience that, somehow, benefit may accrue to the race,
the physicien who works with deadly microbes in the secret of his laboratory. Filling to tamper with death if haply thereby the lives of millions of his fel-
low-creatures may be saved, the engineer low-creatures may be saved, the engineer
Who bids his famile a solemn farewell at each parting, knowing that the public service may one day occasion his sacri-
fice, the man who plunges through broken ice, the man who plunges through broken
tce to rescue a human from the horrible tce to rescue a human from the horrible
death below, such as these prove that were war forever of the past, the race of heroes must still live on. better, truer heroes, who seek to save
ness rather than to kill.
It has never been auite clear to the lay mind why so much suffering should
be endured, and so many brave lives be endured, and so many brave lives
sacrificed in the long effort to reach the poles. Captain Roald Amundsen, the poles. Captain Roald Amundsen, the
discoverer of the South Pole, speaking in
Toronto recently Toronto recently, expressed an opinion that those bleak polar regions can neve
be of great service to humanity. there is, he says, referring especially the Antarctic lands, and perhaps othe minerals, but workmen could not endure
the conditions there, nor, if they could. the conditions there, nor, if they could
would it be possible to carry on the ex portation of the natural resources t any appreciable extent. In short, the
sole harvest of these expeditions seems sole harvest of these expeditions seems
to have been the collecting of "valuable scientific information," with which defini tion folk who are not scientists must for the time, be content. It is to be
hoped, however, that the fruit of these last expeditions, of Peary, Amundsen, and Scott, may have been such that no
more will it be necessary for brave men more will it be necessary for brave men
to tempt grim Death at the ends of the to tempt grim Death at the ends of the
earth, and that the bleak plains of ice and snow may henceforth be left to the
white bears and walrus which glone can white bears and walrus which alone can
rejoice in their desolation. rejoice in their desolation.
: "Dying there-snow - cold, in snow," So, in a little tent in the midst of howling waste of ice and drifting snow,
died Captain Robert Scott, R. N., and


Thistle ." Print, Copr Detroit publishing cories of Japan.
Fint, Copr. Detroit Publishing $\qquad$

Lieut. H. R. Bowers, A. Whison, and meet death in the raging blizzard. March of last year. So, in February, the history of Britain," it has been wel the Beardmore glacier, died Edgar Evans death "I Lieut. Lawrence Edward Oates," after a heroic effort not to retard the Yet the "brightness" is one with progress of the ill-fated party; and so terrible shadow. Britain's page may
on March 17th. died Lieut. Lawrence Ed- have one more resplendent galaxy to her on March 17th. died Lieut. Lawrence Ed- have one more resplendent galaxy to her
ward Oates, who, ill, with both feet credit, yet the individuals have suffered trozen, knowing that to remain with him untold agony. The horrors of war, the must mean certain death to the others, horrors of death amid polar ice,--where
walked out of Captain Scott's tent to the human heart that must not long
(Hiroshi Xoshida, Detroit Museum of Ah
that all such horrors were past forever In all the pathetic annals of th a greater pathos than that last recor written by Captain Scott within th thin canvas walls of that tent-grave. is simply told.-"We have reached t
pole: Amundsen had arrived there month before. We are dying. We hav failed, but circum̀stances were agains us. . We leave our families to the na
tion." -This is the gist of the tion."-This is the gist of that quie
record. No hysteria-no bombast-the words of a brave man facing death.
And already the nation has, responded
The Admiralty, the Government, have The Admiralty, the Government, have both taken steps, and a fund has been
started in Canada, to provide for thos dependent upon the five who have gone Hope's Quiet Hour

God's "Thank You His lord said unto him, Well done.-
S. Matt. xxv.: 23 . One day a little four-year-old boy wa sent into a field by his cousin-a boy sixteen-to do some weeding. The bi boy sat down comfortably to read
story, while the little one toiled in the heat until his fingers were sore. Then he went into the house and said to his auntie: "I've been kind to Jack, worke thank you to me." The little lips wer quivering, and the blue eyes were tearful That night, after he had said his prayers and climbed into bed, he said
"Auntie, this morning I was sorry pulled the weeds, but now I'm not sorry."
"How is that?" asked "his aunt. "Has Jack thanked yo
"No, he hasn't; but I've a nice feeling inside. It always comes when I've been
kind to anyone, and I've found out what it is. It's God's thank you." Do you know what it feels like to have God's "Thank you" whispered in your everyday work a delight. It is like the perfume of hidden violets-violets which came from your dearest friend. I know someone who is even now rejoicing in the know her name-that is a secret between her and God. Yesterday I received a letter from her, as follows
'A lonely farm-house,
"Dear Miss Farncomb, - Jan., 1913. find $\$ 2.00$, which I wish you to use, in
some way, for the furtherance of God's work way, for the furtherance of God's kindly, through the 'Quiet Hour,' give the names of any parties or places to Papers and magazines pile up, and they Papers and magazines pile up, and they
contain such lots of good reading that it is a pity to destroy them, when such
reading matter would be most welcome reading matter would be most welcon
to others. Your sincere well-wisher,

I wish to add my "thank you" to the one you have alrear "Country wom lying on my desk, waiting until I decide whether it had better go to a family in need, with sickness in the house; or to a young girl who has been working too
hard and must stop work for a few days. I will let you know soon how it has been spent. Do any of our readers know of a good place to send the papers
and magazines? If so, please let me me know promptly, Letters can be sent to
me, in care of the Wm. Weld Co., London, Ont. the Wm. Weld Co.,
There are men from India in Christen
dom who say they hope hefore dom who say they hope before long to
drive out Christ before their god, Bud dah. They don't know how the Living JESUS is controlling the thoughts and in country, town, and city what it Christianity could be killed? Then the world would be poorer by millions of litthe unnoticed acts of kindness. Only our
Master Himself knows how many "cups of cold water" are held up to Him every day. He never forgets to thank the giver, and the gift prompted by love is
treasured by Him for ever treasured by Him for ever. His trea



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$$
\begin{array}{l|l|l}
\hline \text { trom far and near to listen to his burn- } & \text { the candle placed in a cottage window } \\
\text { to }
\end{array}
$$ ing eloquence, but he lost himself in the to light a returning prodigal home, be message God had told him to deliver. $\begin{aligned} & \text { unhappy when the sun rose triumphantly } \\ & \text { He did not }\end{aligned}$ He did not care to be called "John, the and ils ficker was lost in the glory? clared that he was only a "voice" pre- about his Master's honor, and has no paring the way for One Who was com- time or thought to waste on the ques-

ing. "I ing. Ia nust decrease, he said, but
that was no cause of disappointment to
as he deserves. How would appreciate him
him. does he know what certainly "increase," shining more and life in serving men, as his Master did? more unto the perfect day. Why should IP so, then let him remember that Christ
gave perfect love and perfect service to the people around Him, and was repaid Cross of shame end thorns. and the or the disciple to be as his Lórd. The cow. and can be worn like a short sor lory it God's "Woll done!", crown o ike music in the heart. The prafee of the world can only give transient pleasure, and will be found worthless is the
Master should be forced to say: "De Kaster should
part from Me

## we mant to win God'

 appreciation when our fighing days ar over. He is watching the fight each hour. and sometimes a secret victory ours gives hiw new joy. How often often will He be able to whisper "Wel donet" to-morrow ? Do we evet really sfler Him a girt which no one elselikely to notice ? If not, let us to gain a new ambition-the ambition to please our King.
'He held the Lamp each Sabbath da And yet so high to bring in sight That picture fair-of Christ, the LightThat, gazing up-the Lamp between"He held the Pitcher, stooping low. Then raised it it ones below: And bade him drink when sicls and taint They drank:-the Pitcher thus between-
The hand that held it scarce was seen

He blew the Trumpet, soft and clear That trembling sinners need not fear Fo storm the walls of Satan's hold. Trumpet coming thus between, The hand that held it was not seen.
 kitchen cutlery, the cooking tensils, the floors and the woodwork - all need Old Dutch Cleanser, if you wish them kept spotless and hygienically clean. Old Dutch Cleanser routs out the grease, grime, water stains and rust in a jiffy. Keeps the hands soft and white-free from kitchen stains.
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138 homer s VANCOUVER
"'But when our Captain says: 'Well done,
Thou good and faithful servant ! Comel Thou good and faithful servant Lamel
Lay down the Pitcher and the Lamp,
Lay down the Trumpet, leave the Camp,'Lay down the Trumpet, leave the Camp,
Thy weary hands will then be seen Clasped in His pierced ones, naught be
tween."
DORA FARNCOMB.

## The Mending Basket

Finances on the Farm. As I see by a recent issue of "The
Farmer"s Advocate" that you intend to Farmer's Advocate" that you intend to
make an end of that Mending Basket in
some way (although I wonder some way (although I wonder how you
can manage this, as my own never seems can manage this, as my own never seems
to get empty or come to an end), I would like to contribute a patch for chiefly about Finances on the Farm. In our community, and this includes a
large part of the county, we have a market for any and all kinds of produce from the farm, so what I will contribute may not be so easily arranged where
there is no cash system of buying, and there is no cash system of buying. and
selling as there is here; still it likely can be managed in some way mutually agreeable to both husband and wife When first married, an aunt of mine advised me to keep all money coming in
on my side of supervision of farm work, on my side of supervision of farm work,
namely, from dairy, garden - products, poultry, etc., for my own use.
I did not like this idea, for, I thought I did not like this idea, for, I thought,
are we not one now, with one aim in are we not one now, with one aim in
view, the paying for the farm? Why should we divide our interests? It,
however, was hot long until I found out however, was hot long until I found out
the wisdom of my aunt's advice.
My husband is not at all niggardly, My husband is not at all niggardly.
However, it often happened that when 1 needed money he had a payment to make on some implement, which was about
due, or something like this, and then my request for money interfered with his plans, as he certainly. did not have a
great pile ready-somewhere, so that he great pile ready - somewhere,
simply could reach out and get some
more. Now, this did not suit me, as I more. Now, this did not suit me, as I
felt that some of the products sold had
pessed passed through my hands, and had there-
by increased in value (which they cerby increased in value (which they cer-
tainly should do by the extra amount of work expended on them), that my hus-
band received the cash for them, and band received the cash for them, and
here was I needing some clothing, or here was I needing some chance to be, and he
whatever it might chance
could hardly arrange matters so that I could hardly arrange matters so
could have some of the money.
could have some of the money.
Now, my aunt's suggestion again came to my mind, and I began to see why she husband whether he would agree to let me have all the money coming in from
the dairy, poultry, garden, etc., to use
do at my own discretion, I to pay for hired
girl if one was kept, buy groceries, clothing for the family, (excepting suit,
and shoes for "himself). furnishings for the house if, in any, way, any were need-
ed. Husband finds potatoes, meat, flour apples, pays for bread, etc. (wich we,
as well as nearly all farmers around
as as well as nearly all farmers around
here, buy). If any money is left after
getting what I think we need, and paying expenses on my side of the business
I put it into the Savings Rank unti fall, when I hand it over to my husband to use in paying taxes, insurance, or
wherever he needs it most. I usually aim to have the tax-money ready also
insurance, and, if possible, some, ore insurance, and, it possible, some .ore
There is a great deal of satisfacticin and pleasure in realizing that you really are
a helper. a helper. he have one aim in view, having simply adopted another system by which
to reach it. We are both well satisfied
with this arrangement with this arrangement (which we have
tried for nearly twenty years), and we tried for nearly twenty years), and we
do not interfere with each other's plans
as we did I have not yet seen anything of this
nature suggested in your columns, so nature suggested in your columns, s.
felt like contributing my "patch," in the
hope that it may benefit son hope that it may benefit someone.
have simply given our plan as an out line, and others may be able to adop
something more suitable for their situa
tions but please tions, but please do give the wile
chance to show what she really can and will do. © idea which $\uparrow$ wish to, wive
Another
here will come a little men's line of business. In spring, when
the fat cattle are sord, and about, all
the returns of the year trought in, my
husband always trios to llase some

FaRMERS
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fnet ime-keepert to keep in any poom and time -kecerar to tee
and tel time all lay by

Bip Bee stand seven inches all. He iis riple niokel-phated and wear
an in iner vest of teel that inures him
 hande are cesy tor read inf te dim moming Light His large, comfort
able keys almost wind themelven.




interesting to hear what othere have to say on this subject.
A SOLUTION OF ANOTHER PROBLEM "Scottle"." wo are andious
 not you, ""scotiti,", give me oome polinto

 ooll a handulu ont what cat a porzoo on

## News of the Week.

## anadian.

The Legislatures of Nova Scotla and
New Brunswick opened on Feb. 18th The largest shipment of silver ever made from Cobalt, amounting to 8187, out last week
british and foreign The Terra Nova, Captain Robert Scott's ship, has reached New Zealand, on her way home from the Antartic
Seas. Germany wishes to establish a coaling station near the Panama Canal

Andrew Carnegie, in a recent article in The Independent, calls Col. Goethals' estimate of 25,000 American soldiers as necessary to guard the Panama Can

Two doctors, Dr. Friedrich Friedmann,
money on hand at the local bank, where
he can get it whenever needed, to cash for any labor or material, which he the needed improvements which always arn up on every farm, where things are
oot allowed to deteriorate. This huch nicer than to feel that you owe most every one you meet, and really
do no exactly know how much your
we. This allows owe. This allows us to feel as if we
ere on top of the pile were on top of the pile instead of being
almost buried in it, vainly trying to As out somewhere
omen's work, or women of men doing will simply send in one verse of a good
old German hymn, which I think about covers that ground :

- There is beauty all around

Then there's love at home,
When there's love at home,
Smiling sweet on every side,
Time doth softly, sweetly glide,
When there's love at home."
Yes, love to our God, love for each
other, and love for our neighbor, smooths the rough road, and brings peace and antentment to us. belated mender. Ycu quite misunderstood us, "Mender,"
in thinking that we intend to do away with "The Mending Basket.". We re-
ferred only
We "Men's Work About the House," which
has brought forth so many ideas that practically every side of the question has
been threshed out. We think that all who have followed this discussion must
have come to these conclusions:
(1) That women should not be expect-
ed ed th do their housework and continuous
out t-doors work, also.

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tlon leather. Well worth $\$ 10.00$. Order
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bickering and hardness of feeling over
any of the work done. any of the work done.
(5) That it harms no proportion of manual labor, but that
this, on the this, on the contrary, is beneficial to
both body and soul. In our opinion, the letter of "Duskie," In our opinion, the letter of "Duskie, very much the same as yours, Mender,
speaks about the last-word that need be said in this whole matter.-And now Mender," we heartily welcome your

solution of the problem regardin | Solution of the | problem | regarding |  |
| :--- | :--- | :--- | :--- |
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## The Ingle Nook.





 street a Ittle teacher whom I knew,
carrying two or three apparently heavy
bundies.
On relieving her ot
 was to be "Mothers" Club Evening," and
that the bundes., contained cups and
cake tor the "toe and

 $\begin{aligned} & \text { have tea, but we we wouln'teverive it up ap } \\ & \text { now tor anything. } \\ & \text { It promotes socia- }\end{aligned}$
Ito



NOXON very moment they begin to get ready for
eating? I suppose its the informality
of it all that makes the difiference.". On questioninges ane difiference.",
lither, I
learned that these meetings are held at at
 the mothers and the teachers a better
opportunty of geting acuanter with
one another. In this way it in hoted,


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cement throughout, water supply in every cement throughout, water supply in every
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1,50 ) 1,5on bushels of roots, silo $13 \times 36$, feed
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tory and other conveniences. Telephone
 one of the best farms in Oxford county potto

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## temper.

This morning, for instance, 1 looked in
its accustomed place or my button-hook It was not there. Then Hollowed a a mad
scramble, drawers
shelves searched explored, tables
and shelves searched, even the floor, until at at
last I found it, as might be expected,
"at

## .

${ }^{\text {whee }}$

\section*{to

quid

\section*{quid

## quid <br> .

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## 1

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 an, you know, we never even dream
parting with these pictures. Their in
The will be to us."' The experience have tried furnishing, on $\underset{\substack{\text { min } \\ \text { eatings }}}{\text { mid }}$

## 

along social lines in Toronto, declare
recently that the amount a girl mus
have nowadays, to live properly an instead of the weeks. They have the
vision of what it will be and gradually "We feel that these pictures are a real
investment," said the lady, looking a investment," said "Pictures increase so in
them fondly.
value as time goes on.-Isn't it a sa
$\qquad$
 as the advantage over same that it may be ca
tied from one rom to the other. It requires b two pails of water to give one a proper bath, being
so co constructed that it rest rent the Hor, permuting
the water to come to the body. One minute the water to come to the body. One minute
empties the tub when it may rerolled wand set
away in the corner. Every Bath Tub carries away in the corner. Every Bath Tub carries a
guarani tee for fIve years. Address: FOLDING BATH TUB CO., LIMITED D


 has been enriched, recently, by two
has St. Thomas Smith. They had been what pleasure they were exhibited The sessed, this time, of something of real
worth and individuality. They might duplicate their two or three mahoganythese two pictures-there were not two others exactly like them in the world,
and never would be! Besides, they
were ".St were "St. Thomas Smith's," every inch.
Anyone who knew the work of that artinst would recognize that at a glance.
These two young people are starting These two young people are starting
out with the idea of having less, per-
Maps, in their home than naps, in their home than most people
have to begin with, but having it bet-
ter. Nothing is admit ter ser. Nothing is admitted that is not
substantial, and "good," and artistic.
They are are ting things bit by bit they can afford them. They are willing the choicest. They are willing to take the sorts of time, first to find out what
the chest really is, and then to find They realize that one can't go in
to town and find things enough to fur-
nih a house, all good monious in coloring, in a day; and so ing articles, and consulting their own
taste, and spreading the pleasure of taste, and spreading the per the years
furnishing their home out over the weeks. They have the

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 might well be taken into consideration by parents who intend letting their daughters go into the eity to work.

Irish Grochet Yoke -Fondant.

(By permission of Corticelli Silk Co.), Dear Crochet yoker-witen to | you before, although $\begin{array}{l}\text { I have thought of } \\ \text { it for some time. } \\ \text { I am very anxious }\end{array}$ |
| :--- | it for some time 1 an very anxious

to make an Irish crochet yoke for to make an Irish crochet yoke for a
white dress, and thought perhaps you white dress, and thought perhaps you
could help me. I think I could copy it trom an illustration. I am enclosing a
recipe for fondant. Although the candy is difficult to make, I have had splendid
success, and hope it will he of use to to success, and hope it
some of your readers.


Motifs for Irish Grochet (By courtesy of the Corticelli Silk Co.)
Fandant.-Three cups granulated sugar, one cup hot water, thirteen drops lemon
juice (I used vinegar), more if water is hard or fondant grains, stir till it boils,
and then boil till it makes and then boil till it makes a soft ball
in cold water, put on a platter and beat until fimger doesn't stick to it. Success will follow only if no crystals are al-
lowed to torm, either in the syrup or on


Irish Grochet Yoke.
the side of the pan. Have ready the
water. sugar. a piece water, sugar, a paiece of cloth ready the
tightly about a a fork, a bowl of water, tightly about a fork, a bowlo of water,
a cup of cold
water for testing the a cop on cold water for testing the
candy, and an oiled platter. As the Candy boils gently, particles of syrup will
spatter against the side and form crystals. These will drop down form crys
tinto the
candy
chat cause the entire mass to sugar unless they the entire mass to
the wiped oft. Dip
the which The swab, which is made by wrapping
the cloth about the fork, into the bowl Che cloth about the fork, into the bowl
of water, squeeze out the extra moisture,
and wive down the sides and wipe down the sides of the vessel,
being sure that the swab is brought be neath the surface of the syrup .
Re surfe not Re sure not to cook the candy too
Occasionally half a spoontul of
l. ins. the syrup should be tested in the cup of
told water. The second that this mass
cole can be forned into a soft ball, which
wil not stick to the fingess, the syrup
should bo pown the
 The above is typical of what you will find at Cairnbrogie. Our
Clldesdales excel in weight, finish and bone. Our Hackneys for high
action style and breedint action, style and breeding, for the past ten years out-ranking all others
at the leading shows of America, showing conclusively that the best at the leading shows of America, showing conclusively that the best
Stallions from the British Isles are to be found in our stables quent importations guarantee at all times a large selection and satisquent importations guarantee at all times a large selection and satis-
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Sweden.

13-hors
whted on truck and in good running ord

Fabi

fabruary 20, 1913
ter. Unless one works quickly, it it is
beiter to remove the candy from the Are while testing it. Do not try to pour out the last few spoontrus of syrup Tor they will cause the entire mass to
becomeg granular.
Allow the candy to secome granular. Allow the candy to
cool until it feels only warm to the cond, then stir well with a wooden or silver spoon. It will soon become
croamy. It it squeaks, the candy-maker is sure of success. Atter a: few minutes, the mass will suddenly harden. Then it
should be kneaded with the hands, an packed into a bowl for twenty-four hours
or more. Iq the fondant is well coverad
 mhich time portions may be taken ou
and used as desired. Always heat thess and used as desired. Always heat
pieces in $a$ bowl over the kettle. The uses of this fondant are number less. Here are onyy iew: The Tonc
ant may be flavored as desired, and shaped into small pieces, which may be
used to fill or cover stoned dates. Pieces of igs or nuts may be pressed into each separate piece. A part of the fondant may be molted with a few drops of ho
water in a double boiler, and flavore with oil of peppermint or with oil
wintergreen. This liguid can then dropped trom tne point of a spoen dropped from the pile the form and maters.
oiled paper, and will then -Chocolate may be melted and kneaded croem may be placed between two layers of the fondant flavored with vanill eut from theese three layers.
Chocolate creams can be made easily it
one observes the precaution of placing the vanilla in the cream center, and not coating. Melt the ordinary unswee ened chooolate in a double boiler, adding a fow grains of salt. A teaspoon make a frmer coating. If vanilla or
any liquid is added, the chocolate will set like a rock. The creams to be coat
ed may be made from the fondant dipped in this chocolate, drained a min ute, and then placed on oiled paper.
Lanark Co., Ont.
"CRISIE I do not think you will find the ach-
companying yoke pattern very difficult. Cut out a yoke of cambric, the shape the shape in the illustration. but be sure Ct fits neatly. Make the motifs sepa-
rately and baste on to the cambric Trate and baste on to the cambric
wherever they seem to look best, but put
them "upoide down ". then fult between with the Irish crochet knotted ${ }^{\text {billing. }}$

CELERY RELISH. lropped in for a chat in the ingle No but I am sending my recipe for celery
relish. We all think it in delicious In making it, I usually use the pieces which
are not so nice for table use, and use the "hearts" on the table.
Celery Relish.-One quart vinegar,
celery heads, 1 ounce curry powder, b. mustard, $\frac{1}{4}$ lb. sugar, $1 \frac{1}{4}$ tablespoons Put the vinegar on to heat. Mix all ary ingredients in a little cold water
until smooth. When vinegar is hot, stir all in. Have celery chopped fine, then
add it, and boil for about ten minutes. cucumber pickles $\begin{aligned} & \text { poured over ordinary } \\ & \text { makes a lovely mus- }\end{aligned}$ of time. I usually keep some on hand, and when I have a little boiled cabbage
left over, I add some of the dressing I wonder does Jack's Wife take "The Farmer's Advocate" yet. It she does,
I should like her to know how much
help, and how many delicious dishes we help, and how many delicious dishes we
have had by following a lot of recipes written on the "Possibilities of Cheese." 1 have it tacked to my cupboard door
and find it very handy. Hore is "Wrinkles"? It is such
on time since she has written, telling
of ary new wrinkles she has discovered W.allington Co., AUNT MARJORIE.

## Freckle remover. unia, -I have never written ta

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 reeaved gome veluablo, intormation, and
am now going to aell you two ouestions




$$
\begin{gathered}
\text { Gilenarary } \\
\text { crecekles }
\end{gathered}
$$ Chat they will not return. The persiat-

最 necesary, Also. to gee that no slint of suniliaht tochene the akin, a posisibity
ovvited. it one cares
to take the trout

 Grated horseradish root, 1 ounce: boil-
ing water, 1 pint: borax, 2 drachms. Apply every night, after washing.
I know very little about knitting, and

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sent free on request. Write for one. It's the greatest ever published.
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Montreal

So hove no directions for knitting a cap Anding any for you.
fashion queries-Lemon biscuit Dear Junia, -1 have been an interested
reoader of "The Farmer's Advocate" for some time, so thought I would come to
you for help. you for help. We the most fashionable for spring and summer, for a girl of twenty,
a long coat, or a suit ? Could any of the readers send me a
recipe ter lemon biscuits
Parry Sound, ont. Both long coats and suits will be
fashionable during the spring and summer. A long coat is the more service As as an an can be worn with any dress.
As rule, the skirt of a $a$ suit is worn shabby while the coat is quite good, and
one has the mortification of having very wea
go with


 frut cookies-celery relish. Dear Ingle Nook. Friends,-Have long
been a reader of "The Farmer's Advocate.", and enfor it very much, especially
Hoopes Quiet Hour, and the Ingle Nook,
I wanted to thanted to send a couple of recipes
that were akse. for
Fruit Cookies. One cup butter, 11 cups
Fite.

 currants, $3 \hat{4}$ cups flour. Drop on but-
tered tins
Celery Relish. -One quart chopped cel ery, 1 quart chopped onions, 1 quart
chopped cabbage, 1 head fine caulifower, green peppers or or teaspoon cayene
pepper, 1 teaspoon black pepper.
Pour

 $\underset{\substack{\text { pickles. } \\ \text { Perth }}}{\substack{\text { Co., Ont. }}}$

Rebecca of Sunnybrook Farm.

Rebecca Represents the Family There was another milestone; it more than that, it was an. "event", an
eevent that made a d dep inpression in
several huarters and left a wake of smaller several quarters and left a wake ofs smaller in
events in its train. This was the coming
ent to Riverboro of the Reverend Amos
Burch and wife, returned missionaries from Syria. Society had called its meeting year in which Rebecca ended her River boro school days and began her studies at
Wareham. It was a raw, blustering day Warcham. It was a raw, blustering day,
snow on the ground and a look in the sky
of Jane had taken coll and decided that they could not leave the house in such weat her,
and this defection from the path of duty
worried Miranda sium she of the society. Atter making the break-
fast table sufficiently uncomfort fast table sufficiently uncomfortable and
wishing ind inint ively that Jane wouldn't
alwavs insist on being sick at the time she was, she decided that rebeca timust
go to the meeting in their stead. Youtl
be better than nolody trat said thatteringly, "Your, Runtecca," she she
write an excuse from afternone shall






Ask a Hundred Creamery Men
what salt they use. Ninety-nine out of the hundred will tell you "WINDSOR DAIRY SALT". They have tried it out, under every possible condition, and they know that

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Ontario



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why you should use Rogers' Cement. Ask for the book, "Portland Cement on the
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sure and use cement. "Everything irom a fence post to a silo.

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the top or roll The Anthony Fence will not bend down at the top or roll up at the bottom, but will stand up straight
The Anthony five

TIIE ANTHONY WIRE FENGE CO. OF CAMADA, LIMITED walkerville, ontario


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to artists, schools, etc., for testimonials. The saving goes to purchasers. Full and definite explanations will be given any inquiries you
may wish to make about DOMINION PIANOS.

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## I we've got; if you see a good chance, take your pocket handkerchief and wipe the your pocket handerchief and wipe the dust off the melodeon before the meetin' begins, and get twenty-five cents out of begins, and get twenty-five cents out of the sittin' room match-box in case there the sittin' room match- should be a collection."

Rebecca willingly assented. Anything
interested her, even a village missionary interested her, even a village missionary
meeting, and the idea of representing the family was rather intoxicating.
The service was held in the Sunday
school room, and although the Rev. Mr. Burch was on the platform when Rebecca entered, there were only a dozen persons
present. Feeling a little shy and considerably too young for this assemblage
Rebecca sought the shelter of a friendly face, and seeing Mrs. Robinson in one of the side seats near the front, she walked
up the aisle and sat beside her. up the aisle and sat beside her.
Both my aunts had had colds," she said softly,
the family.,
"That's Mrs. Burch on the platform
with her husband," whispered Mrs. Robinwith her husband," whispered Mrs. Robin-
son. "She's awful tanned up, ain't she?
If you're you hev' to part with your complexion, Eudoxy Morton ain't come yet; I hope to the land she will, or Mis' Deacon
Milliken'll pitch the tunes where we
can't reach 'em with a ladder: can't you pitch, afore she gits her breath and clears her throat?"
Mrs. Burch was a slim, frail little Mrs. Burch was a slim, frail little
woman with dark hair, a broad low forehead, and patient mouth. She was dressed in a well-worn black silk and looked so
tired that Rebecca's heart went out to her. "They're poor as Job's turkey," whis-
pered Mrs. Robinson; "but if you give eem anything theyd turn right round and
give it to the heathen. His congregation give it to the heathen. His congregation
up to Parsonfield clubbed together and give him that solid gold watch he carries;
I s'pose he'd 'a' handed that over too only heathens always tell time by the sun 'n' don't need watches, Eudoxy ain't comin ; now for massy's sake, Rebecca,
do git ahead of Mis' Deacon Milliken and pitch real low."
The meeting began with prayer and
then the Rev. Mr. Burch announced, to the tune of Mendon:-
"Church of our God ! arise and shine,
Bright with the beams of truth divine Then shall thy radiance stream afar,
Wide as the heathen nations are.
"Gentiles and kings thy light shall vie They come, like clouds across the sky,
As doves that to their windows fly."

Is there any one present who will
assist us at the instrument?" he asked
unexpectedly. Everybody looked at everybody els
and nobody moved; yoice out of a far corner saying informally,
"Rebecca, why don't you?" It was Mrs. "Rebecca, why don't you?" It was Mrs.
Cobb. Rebecca could have played Men-
don in the dark, deon and did so without any ado, no
member of her family being present to give her self-consciousness.
The talk that ensued was much the usual sort of thing. Mr. Burch made
impassioned appeals for the spreading of the gospel, and added his entreaties that
all who were prevented from visiting in person the peoples who sat in darkness
should contribute liberally to the support of others who could. But he did more
than this. He was a pleasant earnest than this. He was a pleasant earnest
speaker, and he interwove his discourse
with stories of life in a foreign land with stories of life in a foreign land, -
of the manners, the customs, the speech, the point of view; even giving glimpspes
of the daily round, the common task, of
his own household, the work his own household, the work of his de-
voted helpmate and their little group of children, all born under Syrian skies.
Rebecca sat entranced, having been
given the key of another world given had faded; the Sunday-school room,
with Mrs. Robinson's red plaid shaw with Mrs. Robinson's red plaid shawl, and
Deacon Milliken's wig, on crooked, the
bare benches and torn hanging texts and maps, were no longer
visible, and she saw blue visible, and she saw blue skies and burn-
ing stars, white turbans and gay colors;
Mr there were mosques and temples and minarets and date-palms. What stories
they must know, those children born
under Syrian skies! Then she was called upon to. play "Jesus shall reign where
the sun." Mr. Burch prayed. As he opened his and
and gave out the last hymn he looked.
the handful of people, at the scatteren





THIS WASHER MUST PAY FOR ITSELF.

 Aumin mideam collter the man very well
eo Itold him I wanted to visu

## \section*{}




 Iothoi In wil wab taf full of vary dito






 enough, isntit it it prove that the " 1900 Gravity"
Washer Washer must be all that Inay it isp Gravity"




 Adera
. W. MORRIS, Manager 1900 Washer



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fillings are required. The runs are so nicely adinster that the drill plants evenly whether the hopper is full or almost empty. The feed runs are thrown into and out of gear automatically as the markers are lowered

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 for thisis is that the ebourings aro alyays well lubrii

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International Harrester Company of America
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 other round wick hamps and uses less than hall as much oit Thousands of satsised wsers endorse ${ }^{2}$ as mie bestight in the

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Provinces, The Frost $\&$ Wood Co., Limited, Smith's Falls, Ont.
she was not a "member;" how could she pray before all those elderly women! John
Rogers at the stake hardly suffered more Rogers at the stake hardly suffered more
than this poor child for the moment as she rose to her feet, forgetting that as ladie
prayed sitting down, deacons stood prayed sitting down, deacons stood in prayer. Her mind was a maze of pictures
that the Rev. Mr. Burch had flung screen. She knew the conventional on the ology, of course; what New England child accustomed to Wednesday evening meetings, does not? But her own secret
prayers were different. However prayers were different. However,
began slowly and tremulously:"Our Father who art in Heave
Thou art God in Syria just the same as in Maine; .......over there to-day are blue
skies and yellow stars and burning skies and yellow stars and burning suns...
the great trees are waving in the the great trees are waving in the
warm air, while here the snow lies thick under our feet,......but no dis-
tance is too far for God to travel tance is too far for God to travel and so He ..... and our othoughts rise to Him 'as doves that to their windows fly."
ing people to be good, missionaries, teaching people to be good,..... some of us
have not learned yet how to be good have not learned yet how to be good our-
selves, but if thy kingdom is to come and Thy will is to be done on earth as it is in heaven, everybody must try and everybody must help,......those who are old
and tired and those who are young and strong....... The little children of whom we have heard, those born under Syrian
skies, have strange and interesting skies, have strange and interesting work to to travel in far lands and do wonderful brave things for the heathen and gently take away their idols of wood and stone. But perhaps we have to stay at home and
do what is given us to do..... sometimes even things we dislike, $\ldots \ldots$. but that
must be must be what it means in the hymn we sang, when it talked about the sweet perrume that rises with every morning
sacrifice. ...... This is the way that God teaches us to be meek and patient,
and the thought that He has will and the thought that He has willed it so bear the years. Amen." Poor little ignorant, fantastic child! Her petition was simply a succession of
lines from the various hymns, and imate the minister had used in his sermon, but she had her own way of recombining and applying these things, even of using them in a new conction, so that they had a
curious effect of belonging to words of some people might generally be written with a minus sign after them, the minus speaking that the personality of
the speaker subtracted from, rather than the speaker subtracted from, rather than
added to, their weight; but Rebecca's words might always have borne the plus
sign. The "Amen" said, she sat down, or
presumed she sat down, on what she bepresumed she sat down, on what she be-
lieved to be a bench, and there was a benediction. In a moment or two, when
the 100 m ceased spiuning she went wi to the 100 m ceased spinning, she went up to
Mrs. Burch, who kissed her affectionately and said, "'My dear how glad I am that we are to stay with you. Will half past
five be too late for us to come? It it five be too late for us to come? It is three
riow, and we have to go to the station for our valise and for our children. We
left them the the left them there, being our childainen. We whether
we should go back or stop here." we should go back or stop here."
Rebecca said that half past five was their supper hour, and then accepted an invitation to drive home with Mrs. Cobb.
Her face was flushed and Her face was flushed and her lip quivered
in a way that aunt Sarah had learned to know, so the homeward drive was taken almost in silence. The bleak wind and aunt Sarah's quieting presence brought her back to hersel,, however, and she too full of news she carefully lifted a braided rug into the sitting room and stood
on that while she opened her budget on "that while she opened her budget. fire," siaid aunt Jane. shees "warming by the
on while you talk." (To

Gossip.
The bay, registered, eighteen-months-
Clydesdale stallion, Regal Grand Duke Clydesdale stallion, Regal $\begin{aligned} & \text { Grand Duke } \\ & \text { [13946], by Im. King's } \\ & \text { (14724), }\end{aligned}$ Friendship (by the champion, Hiawatha Godolphin
was by Baron's Pride) tha, whose dam derson (imp.), by Cairnbrogie Stamp, is
advertised for sale by Henry Schlichter.
Newt Dundee, Wing New Dundee, Waterloo Heury Schlichter, Ont. This
colt is described as large for his age, having weighed, as large for his age, preparation,
1,060 libs,, at seventeen months old, with
good limbs and good lims., at and and fleen months old, with
formation, and his ood con-

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THE CALDWELT FEED CO DUNDAS, ONADARIO.

Gossip. In his new advertisement in this issue, Herbert German, St. George, Ont., breeder of Tamworths, offers lor sale some choice young boars and sows, three to five months old, also a yabarling boar at a bargain. He has Bell 'phone.
The dehorning of cattle can be accomplished easily, and without pain, if ac tion is taken early enough. Calves should be taken in hand when they are not more than four days old; the earlier the better. The hair is clipped away from the embryo horn, and a stick of caustic potash, to be obtained from any chemist, is moistened and rubbed firmly on the center of the horn for several minutes. Care must be taken to protect the fingers from the caustic, and also not to get it too wet, or it will run and damage the skin in the neighborhood o the horn, the center of which should be attacked.
Richard Reid, of Berlin, Ont., who nas for several years been the capable Secretary of the Canadian Jersey Cattle Club, and was for many years a breeder
of Jerseys, has been appointed Ontario of Jerseys, has been appointed Ontario Government Agent in Great Britain His headquarters will be in London, and he will give particular attention to immigration and the advertising of Northend genial gentle. heid is a very clever for the positionan, and is well-fitted for the position to which he has been Principal of the Berlin High many years at the same time conducted a farm and at the same time conducted a farm and
herd of high-lass stock
friends will congratulate
His host of ${ }_{\text {trint }}^{\text {triends }}$ w

 Daisy Pietert je Johanna, the champion
fourvearenta four-year-old of Canada for yearly butter
production, and with a record of 27.18
pros. 1bs. buter in seven days. His sire is
Sir Admiral Ormbby, the sire Sir Admiral Ormsby, the sire of Jenny
Bonerges Ormsby, the world's
twoo-yend
 Lis. in seven days, and $125 \ddagger$ los. butter
in thirty days as a four-year-old; also

 We might also mention the sale of ar-of in
bull calf to Wallurn Rivers, of Folden's Corners, Ont. His diars, has oust com-
pleted a seven-day record
 foot, which reduced her miliking considider
ably.
We have every belief that she is a 30-1b. cow have every belieg that the is
Her dam gave 119 ibs
milk a day, and 25650 aid Cay, and 25,650 los. milk in a
year. The call is sired by our junior
herd bull, Royalton Connot herd bull, Royalton Canary Hartog the
whose dam gave 111 lbs. milk a day Whose dam gave 1111 lbs. milk a day
and 34.80 bss. butter in seven days as


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onny. every avocation of lifo
In are occasionally found so wrapped up in
their work that not only doen terest find expression in the product of
their terer hands or brains, but at some point
in their life-work they bring forth that
which unmistakably excel which unmistakably excels all their tor-
等e efforts. Samuel L. Allen, a prac-
tical farmer, is said to be such a
 benion of to be the most excellent in in labor-saving devices
vent
This hoe is said to be tent This hoe is said to to ber-saving devices.
other horse - hoe, and than any work crops from sowing-time until tur tur
 S. L. ${ }^{\text {S. }}$ A.
delphia.

WESTERN LAND FOR SALE
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No ruts on this or any other concrete road

## You Can't Wear

 Ruts in a Concrete RoadConcrete is the Ideal Pavement for either town streets or country highways

## CONCRETE IS "RUT-PROOF"

TO REALIZE WHAT THIS MEANS, it is only necessary to compare a piece of dirt or Macadam roadway with one that is built properly with concrete. The roadway shown in the illustration is a typical one of its kind. You can see one just like it in almost any Canadian Community. Take a look at the one nearest you. You'll see a big double rut down the centre, made by the vehicles driven there to escape the soft, oozy surface on either side.

There's a reason for that double rut down the centre. A Macadam road when originally laid, must be constructed with a high "Grown," so that the water may drain off properly on either side.

A Concrete road, you'll notice, is not built that way. True, it has a slightly sloping surface, a certain amount of surface drains so much more easily than dirt.

The high crown of the Macadam road forces all vehicles to drive in the centre of the road. From the very day the roadway is ready, every wagon takes the middle of the road; The every one chat yous, rying the total traffic that passes over that road. Everybody takes to the ruts.

Now see what happens when the road is of concrete. The slope, or crown, of a concrete road is so imperceptible that there's no need to keep to the centre. Vehicles, therefore, use the entire width of the road. The traffic is distributed over the whole surface.

When you drive along a concrete pavement, you'll find no ruts whatever. Concrete doesn't give them a chance to get started.

Concrete roads are not an experiment. They have been proven the best and, in the long run, the cheapest of all roads.

Wind and rain, instead of making mud-pools and ditches, only serve to keep them clean enough to serve as a pathway for pedestrians.

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## The Latest Improved Specialties

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enty requirement
"EUREKA" Garden seeder
Whill handide ehin most deliliate Seed without

"Eureiza" santtary churn
The only Sanitury Churn made. Barrel of
thest tonemare, top of ciear pressed glass, "UURERA" ROOT. COTTERS
 any temperred steel knives strong and write for catalogue Our hatest catalogue describe our entire
 tie Euneka planter company himited Woodstockic, Omteria. 2.1


Gossip. The william Davies Company, in their new advertisement in this issue, have
changed their address, in connection with tertilizer, from Toronto to West Toronto, and call attention to their offering ot rices srices, and easy terms. See advertise
ment, and write for free special booklet
another big sale of holsteins John McKenzie, the well-known breeder and exhibitor of Holstein cattle and Camworth swine, of Willowdale, Ont., six Yonge street, Toronto, having sold his farm, will hold an absolute dispersion sale or his high-class herd of forty regis-
tered Holstein cattle and herdy tered Holstein cattle and herd of Tam-
worth swine, on Wednesday Worth swine on Wednesday, March 12 th.
The sale will be held at the farm. The Metropolitan. electric cars, starting at at
the C. P. R. crossing, pass the tarm the C. P. R. crossing, pass the farm
every hour, stop 34 being at the gate. Among the Tamworths are two brood
sows, six young sows bred two stock boars, one of them from the wwill-know
high - class herd of A. A.Colwill high-class herd of A. A. Colwill, New-
castle, the other from the equall, New know herd of Herbert German, stil.
George.
The entire offering, both Hol George. The entire ofering, obth Hol-
steins and Tamworths, are strictly high-
Then Class, and will be offered in fine condition. The terms will be cash, or eight
honths cent. interest. The sale will commence
sharp harp. at 12 noon. In next week's issue
will be a short resume of the producing qualities of the Holsteins. For full parIculars, write for catalogue, to John fckenzie, willowdale, ont
T. H. Hassard, Markham, Ont., writes;
I feecently sold the big,' well-colored quality Clydesdale stallion, wraicie sauire (imp.), by Sir Humphrey (the sire of the Cawdor Cup winner, St. Cliair), to w. horse stood third in the three- Thid
 J. H. Mooney, of Weyburn, Saakk, pur-
chased the two-year-old Clydesdale colt. chased the two-year-old Clydesalale colt,
Lord Newburgh (imp). bord Newburgh (imp.). by Pacicic, dom
by Acme. He is a thick, weighty colt,
poester possessing a great amount of substance,
and the very best of quality. He moves
very he ory close and true. He won seconn
prize in his class at the Canadian Niationail Exhibition in Toronto, 1912. R.
N. J. Norton, of owen Sound, ont., secured
a model draft horse in the three- year-old Clydesdale stallion, Tomedin (imp.), by the good breeding horse Dungedin, dam by Knisht of Cowal. M. TT Stafiord, of twirrew, Ont., purchased the richly-bred
two-year-old Clydesdale colt,' Earl Park (imp.), by Ardimersay Prinee, dam by Springhili Victor, and second dam Forest
Queen (the dam of the great Baron's
 the thick, weighty three-year-old Percharon stallion Josias, and the two year-
ld Clydesale ecolts Paradox (imp.) by Castle Royal, by Royal Favorite, dam by Baron's Price, and Valarez (imp.),
by Sir Humprey, dan hy Sir
Motion.
Momphrey, dam by Perpetual
Moth are goods-ized colts, with Motion. Both are good-sized colts, with
the best-quality feet and legs obtainable. To beo. H. Hooton, of Peterbora, onti,
Tooes the big, flashy - moving Clydesdale
g. goes the big, flashy - moving Clydesdale
mare, Joely Traylor 2nd by Hiamatha.
She stood third in the ased mare class
She mare, Nelly Taylor 2nd, by Hiawatha.
She stood thiry on the aged mare chass
at the Guelph Winter Fair, 1912.
F.

sta
star
por

Dispersion Sale of Shorthorns
Having sold our farms, J. \& E. Chinnick, of Eberts, Ont., will sell by auction, at the farm,
one-half mile from Eberts Station, on
Tuesday, February 25th, 1913 30 CHOICE

## Scotch Shorthorns

## 23 females and 7 bulls

They are from such noted sires as Prince of the Forest (Imp.) and Pride of Morning, out of Joy of Morning. They are descendants of Duchess of
Glostor A and Butterfy 49th (Imp.). The farm is six miles north of ChatGlostor A and Butterfly 49th (Imp.). The farm is six miles north of ChatTERMS: Eight months' credit, or $6 \%$ discount per annum for cash Capt. T. E. Robson, London, and Mesars. McCole \& Harrington, Auctioneers. Capt. T. E. Robson, London, and
Catalogues on application to
J. \& E. CHINNICK, Chatham, Ont., (Box 86), or Eberts P.O.

Important Holstein Sale 100 HEAD OF

## High-class Holsteins <br> Property of MONRO \& LAWLESS, of Thorold,

 Welland Co., Ontario, will be sold by auction at their farm on
## Tuesday, February 25th

Fifty-five head of milking age, mostly fresh or springing, five choicely-bred No faulty udders. Tubercular tested. Good cattle and a square deal
Nodes Many of these cattle have R. of M. and R. of P. records. Some have both We believe no such large lot of such uniform excellence was ever before ffered to
Thorold is easily reached by Grand Trunk, and by trolley every hour from Colborne, which gives good connections, Welland, Welland Junction and Port Colborne, which gives good connections with all C.P. R., M. C. R., T.H. \& B

MONRO \& LAWLESS, Proprietors, Thorold, Ont.

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| Man-Power Potato and Orechard Epraver <br>  <br>  <br>  <br>  Write todan. |  |  |  |
|  <br>  <br>  <br>  <br>  <br>  <br>  |  | COUPON - FIII Ouf and send tooday Mris Coupon will THE ONTARIO SEED CO., SIncooemorr, 138 King Street, Waterioo, Ontario Sendme your catalogue, spraying dulde, and "special otter" on the sprayer <br>  <br>  <br> same. $\qquad$ |  |

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## - G. D. jg materials that it is often, difficult for the puilder to decide fust which one is going to be most satisfactory in his dreedom from the danger of fire, are considerations which must be dealt with. A shingle roof, made of good shingles, properly laid, is quite a durable roo, and has given good satisfaction in inand has given good sairable cases. First-growth cedar and pine are very suitable for shingles of this kind, and where one has the artainly worthy of consideration. Shingles made from second - growth macerial are usually not so satisfactory. If shingles are used, insist that they are properly laid. The average carpenter does not put nails enough in the shingles to make a first-class roof. Metal roofs, and different other roofing mater- fals, are giving first-class satisfaction where in use. Investigate the matter in your own locality; get prices on the dir- ferent roofing materials, first-class shingles included. You know the life of a shingle roof; see how it compares with the others, and on the basis of prices advantage. If you have the right class If of timber, and can get the bolts sawn without too much trouble in hauling, the shingle roof should hav tage in this particular case. <br> FENCING BETWEEN FARMS A owned a farm 80 rods wide and 400 rods long, containing 200 acres, which he divided between his two sons, B and ©, giving a deed to B for the south halt, containing 100 acres, more or less, and $C$ a deed for the north. and C a deed for the north. The two brothers had a stone planted to mark the center line at the concession roads th one at the west still remaining in place; but the one at the east cannot be located. The brothers also made a feet from center line for use as a lane, and neither of them to let stock run at driven to the pasture field and from it. As the bush on the east end of the farms was cleared away, each one built his own side of the lane fence, keeping his own side of the lane fence, keeping center line. The last 100 rods of this lence on the south side was built in 898, and of the north side in 1895. leased it to different tenants, and their lock is mostly let run at large in this ontinual annoyance to B's son, who has aherited his father's farm. He wishes erect a new steel fence on this center this the present fences on each side poor shape, and the roadbed (in a wet season) almost impassable in some places. divide the traffic lane, it would also easier to keep the roadway in better condition, and also for peace and connorth half, being $\begin{aligned} & \text { present } \text { D heir, owner of the of }\end{aligned}$ 1. of expense. end of this center line and erect 200 rods of tence, no matter what objections D's heir may make? D's heir may make ? 2. Can B's 2. Can B's son compel D's heir, who is present owner of the north farm, to orect the remaining part of the fence? Ans. -We think that B's son is still, <br> Questions and Answers. Miscellaneous. <br> ROOF FOR BARN. 1 sm pleased to note that you are -gofullings. I trust you will have something to say about roofng. I can supdy my own shingle timber, but if there soofing that will give better satistaction. I may not use shingles. I had my barns destroyed by fre, and any inOor all that appears in the foregoing statement of facts, legally entitled to havenent of facts, legne placed on the entitled to oundary line between the two farms. But, unline between the two farms. But, un- less he can come to an agreement with D's hei. less he can come to an agreement with D's heir about the matter, he ought to call in the local fence-viewers upon the portion of fince which each should erect, and the feencers to pass should erect, and the kind of fencing, etc.

## TRANSIT Insurance

T ORSES, and cattle shipped to the Western Provinces or elsewhere can be insured under short term Policies of $5,10,15,20,25,30$ days to cover the Railroad transit and a few days after arrival. These policies cever the Owner against loss by Accident or Disease and only cost a few dollars per carload.

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ITE CENERAL ANMALS IISURANCE CO. OF CANADA, The st, jumes stegex, montegal, eo

## ANNUAL COMBINATION <br> 〈Auction Sale〉 <br> Tuesday, Fel. 25th <br>  <br> Wedreslay, Feh. 26th <br> - <br> 11 a.m. 50 <br> Percherons <br> CLYDESDALES AND PERCHERONS <br> Imported and Canadian Bred

Union Stock Yards, Toronto, Ont.
A number of the best breeders in Ontario are consigning for this sale. Entry lists
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Mr. E. J. Wigle, of Kingsville, Ont., will sell a carload of richly-bred Peroherons, stallions and Mares
It will pay Percheron fanciers to see this stock
BE SURE AND ARRANGE' TO ATTEND THIS SALE, AND YOU WILL NOT BE DISAPPOINTED IN YOUR TRIP.
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## Clydesdales and Percherons

hirty stallions of the above-mentioned breeds to choose from. All are
government-inspected and approved. A large number of them vernment-inspected and approved. A large number of the
have won high honors at the leading shows of Scotland, France and Canad. AH1 are for sale
reasonable prices and the best of terms.


1



Young Clydesdale Stallion for falio, Regal Grand puke fizat, foaled





RINGINGINEARS
Def FNESS
DR.MARSHIALISS
CATARTI SNURF


Questions and Answers. Veterinary. fistula. Mare had distemper in November, and
an abscoss formed between the jaws.
and She is now thriving well, and looks well,
but there is a running sore at the seat but there is a running sore at the seat
of abscess between the jaws. Ans.-This is a fistula. It should be opened up freely with a sharp knite, and then dressed three times daily until
healed $w$ ith five-percent. solution ot healed, with a five-percent. solution of
carbolic acid. It is possible that injecting the carbolic lotion into the opening regularly might effect a cure, but the surest and quickest treatment is the

UNTHRIFTY MARE
Pregnant Clydesdale mare is not doing
well. Her hair is rough, and her skin ben. Her hair is rough, and her skin

breaks out with small boils. Her hind legs are itchy, and she stamps a great | pinworms. J. J. F. F. |
| :---: | Ans.-The trouble is all due to skin

disease.
Cive the body do thorougl disease
washing every third day with tharough
a warm fivo per cont. Bolution of Croolin or Zenoleum, applied with a atifif scrubbing
brush. Rub well after washing, and brush. Rub well alter washing, and
blanket and keep warm until thoroughly dry. For the legs, make a solution of corrosive sublimate 40 grains to a quart
of water, and rub well into the skin of of water, and rub well into the skin of
the legs once daily until itchiness ceases. It will be wise to apply this warm, too. As she is pregnant, it will not be wise to give her medicine.
will
not
materially
interfere pinworms with her health or materially interfere with her
heriftiness.
Feed
well
on
 that she gets regular exercise or light
work. RUPTURE OF THE STOMACH. Ithought was as a slight at notan with what indiges and I drove him $2 \ddagger$ miles. He had an ther attack during the afternoon, and about 6 oclock in the evening he became
very bad. I treated him for indigestion Very bad. I treated him for indigestion
without efrect, and he died. A post-
mortem revealed rupure of the stomach mortem revealed rupture of the stomach, and blood on the intestines leading tron
the stomach.
t.
B. he stomach.
Ans-The horse suffered from acute in
digestion, with the formation of gas in the stomach, which ceused rupture. veterinarian, by the hypodermic injection
of eserine or arecoline, or the use of eserine or arecoline, or the use of a
stomach tube, could have dissipated or removed the gases, and in all probability
have saned him. have saved him. The early symptoms
of many intestinal diseases are often not of many intestinal diseases are often not
typical, and while it is well for an yppical, and while it is well for an
owner to give a dose for colic or indigestion, when the symptoms recur he he
should come to the conclusion that he does not understand the case, and send for his veterinarian. It is Less expen
sive to call in a veterinarian occasional 1y when his services may not be re
quired, than to lose a horse occasionally on account

Miscellaneous.
TEST OF CREAN
What should forty-five pounds of creant
test that churned thirteen pounds of putt
ter, unsalted
this calculation, about we have per cent. In
the butter was of aver. that
therage conmuosition
the butter was of
for saltess butter.

## CRAND TRUNK Esing wicu

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The Grand Trunk Pacific Railway is
the shortest and quickest route between
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Smooth $\begin{gathered}\text { Camroon } \\ \text { Edmonton }\end{gathered}$
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pacres, offers to the
prospect prospective settler? Do you know
that these that these rich agricultural lands, obare already producing grain and vegetables second to none in the world? For literature descriptive of this
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No Better Remedy at any Price Fully Guaranteed.

Make a plain sirup by mixing two cups of granu-
hted sugar and one cup of warm water gnd stir for Ited sugar and Put cup ounces of pure Prinex (fifty
Cio minute
Porth in a 16 -ounce bottle, and fill it up
 upopy of the best cough syrup at a saving or
inever spois.
Talea a teaspoonful every one. two three hours of this simple remedy is sur-
prising. It seemes to take hold instantly, and will
 It tones up the jaded appetite and is just laxative
enough tobe helpfulina in oough, and has a pleasing
taste. Also excellent for bronchial trouble, throat thote Alse excellent for bronchial trouble, throat
fittie sore lugg and asthma, and an unequalled
/emedy for whooping cough and croup. remedy for whooping coush and croup.
This reipe for mating oung remedy with Pinex
end Sugar Syrup (or strained honey) is a prime


 secipe.
Aguanty of abolute satisfaction, or money
A.
goter


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The Guelph Chemical Closet Convenient, Odorless, Inexpensive,
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## ABSOREINE





 DR. BELL'S Yeerer natas Mestaciab won


 days ago the oeg sweled up baaly, and
she cannot put any weight upon it.t. Ans.-This is ofther Iymphatic trouble

 purgar, and follow up with 4 drams
ginger,
hyposulphite of soda three times daily. Bathe the leg well three times daily with
Bot water, and after bathing rub well
Questions and Answers. Veterinary.
SKIN trouble I have a calf five weeks old who has thin scales showing through the hair as The nose and lower jaw were first affect ed, but now the whole fore part of the body is involved. Ans.-This is a form of eczema. Giv a thorough washing with a warm three-
per-cent. solution of Creolin or um. Keep comfortable, and clothe warmly until dry. Repeat the treat ment every four or five days untii
cured.

SEmi diarrhea
Nino-months-old filly that is doing fair-
 allow her to drink water treely. Ans.-Feed on dry hay and rolled oat, and $\begin{aligned} & \text { and also give her a couple of carrota } \\ & \text { daily, unless they cause diarthea. Add }\end{aligned}$ to her drinking water oneifith of its
bulk of lime water, and if the weather quite cold, take the chill or the water
It is probable she will It is probable she will get over this
weakness when she grows older. soft palate
The apron of my colt's palate hangs Will it over return back of the patural platace? It is thriving well.
Ans.-We have never heard of the apron
of apate. We presume you refer to
the solt. the soft or pendulous palate, which
hangs from the back part hangg from the back part of hard pala
downwards at the root of the tongue It is on account of this palate that horse is unable to breathe through h mouth If there roaly bo any abnormi
condition in the mouth, it will be wise to have your veterinarian examine it. v. LAME HORSE.
Fast horse has gone lame in front sometimes on one foot and sometimes al
the other.
Atter being diriven and al lowed to rest, he starts ofit very lam He is very sore and stif when in the
A. M.
stable. Ans.-The symptoms indicate navicular
disease, which, in a well-established case is incurable. The symptoms can be re lieved to some extent, and ir traeted b be
Core alteration of the structure of the joint has taken place, the trouble may be cured by long rest and repeated blis-
tering. Get a blister made of 2 drams Lering. Get a blister made of 2 drams mercury, mixed with 2 ounces vaseline. Clip the hair off for two inches high all around the hools. . Mie so that he can-
Rub wite the part.
Rub well with the not bite the part. Rub well with the
bliser once daill for two days. ${ }^{\text {on }}$ the the loose in a box stall. Oil every day until the scales come off, then tie up and
blister again, and atter this blister once blister again, and after this
monthly as long as you can give him rest. It is not probable he will ever be useful for road purposes agant RESULTS OF WOUNDS
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$


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your wanta. Imported Clydesdale Fillies of "Baron's Pride." Hiawatha" and "Rogat Long-distance 'phone 704 ring 41 ALEX. F. McNIVEN, St. Thomas, Ontario
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UNHAMS, Wayne, Du Page County,_III. Clydesdales, Standard-breds, and Shortabout 40 head, Headed by the great stock bull. 11 months old, allerod colorsand good individuale
DUNCAN BROWN \& SONS, Walnut Grove
$\underset{\text { Present offering. }}{\text { CLYESES King of }}$ Fountain Park (10220) a choice three-year-old stallion,
Mertoun Duthes (2370), a beautiful two-
year-old filly. D. Hill, Staffa, Seaforth. G. T. R

Questions and Answers. Miscellaneous.
hotbeds and cold frames Kindly tell me how to construct and
manage a hotbed and cold-frame. Ans.-These points were well covered by Ans.-These points were well covered by
articles in our Garden and Orchard Department of issue of Feb. 6.

SCOTCH COLLIES
Do you know where I could get a black
Scotch collie pup, and at what price ? Ans.-Look over our advertising col-Ans.-Look over our advertising co
umns carefully. There are some beeders
advertising Scotch collies. Any others umns carefully. There are some breeder
advertising scotch collies. Any others
having this class of stock for sale should having this class of stock for sale should
bring the fact before prospective buyer through an ad
er's Advocate.

## THRUSH

 I have a mare eight years o.d thathas trush in her front feet. Please
say whuth say whather thrush can be cured, and
what will cure it. what will cure it.
Ans.-Mix one part of formalin with
nine nine parts of water. Clean out the
cleft of the frog, and pour little of
ction the liquid on, and then stuff with bat-
ting. Apply every third day. HoLSTEINS 1. I saw in "The Farmer's Advocate,"
advertisement of. Holsteins. Could yo
advise advise me where I could get two young
suckeris, heifers, and pre 2. I would like to get a list of gaso-
line engines, or book with price. $\begin{gathered}\text { Ans.-1. Correspond with some of the } \\ \text { numerous breeders offering Holstein stock }\end{gathered}$ numerous breeders offering Holstein stock
through "'The Farmer's Advocate.".
2. Consult our advertising columns. CORN RÁCK. Would you give me a plan for making
a low corn rack on a half-truck wagon? a low corn rack on a half-truck wagon?
What kind of a corn rack do you think
is the hat is the handiest for hauling corn to a
blower when filling silos ? D. R. G. Ans.-The flat, solid - bottom rack, is
considered by many who have used sev-
eral diferent coral different types of corn rack, the best
ef the lot. This rack, as described by
of the lom a subscriber who has made one for his his
own use, is made with spruce sills and
a spruce boter own use, is made with spruce sills and
a spruce bottom. The bottom should
be made of inch boards. A narrow
 around the edge. Four rock-elm cross-
pieces should be sufficient, and the ing bolts should go through these
rightg rights may be placed at each end. This
rack rack, and is used by some to haul roots
and brain mend the use of an ordinary others recom-
magon,
and and a rack which consints of two sagon,
poles or sills 18 to 20 feet long. This
rack is like an ordinaty rack is like an ordinary wood rack for for
drawing cordwood. Holes may be bored
in the ends of the sills, and uprights. hardwood stakes, put in for the ends.
The corn is placed crosswise The corn is placed crosswise on the rack,
like cordwood. SAND VETCH.
$\qquad$ sand vetch will make good hay for horses
and cows, when it should be cut, and
how it is best cured? Should be sown with rye. G. D.
Ans.- The sand or hairy vetch is a Ans.- The sand or hairy vetch is a
Plant which makes a very good cover
crop for an orchard. The seed is, how ever, rather expensive, usually costing
upwards of $\$ 5$ per bushel. It does well
in the southern countios. in the southern counties of Ontario
For hay or fodder, it is usually sown in
the fall with rye, because, the plant be
ing ing a trailer, climbs up, the stiff ry
stems, and is easier to cut and harvest
The crop is not stems, and is easier to cut and harvest
The crop is not much used as a cared
hay, being more commomly pastured, of
better still, fed as a suiling crop. It
$\qquad$
$\qquad$
$\qquad$ sown in the spring It is doubtful
whether sand vetch will ever hold an
important place in crop rotations in important place in crop rotations in
Ontario. There are special conditions,
Thowever, under which it may prove
profitalle, but for a mixture for hay
oats and peas, sown in the spring, are
 AMERICAN SEPARATOR CO., $\begin{gathered}\text { bax } 1200 \\ \text { bainbide }\end{gathered}$


THE TIME IS NOW
All the winter long, the troubled owner of a lame horse reads our advertisements, hesitating,-FAllS TO ACT,--till the Springtime is on him and his horse is not yet able to work. Meantime, the thrifty, prosperous, resolute man, reads, considers
the evidence carefully - Decides Promptly - and his horse is working in, say, ten days to two weeks. That's exactly what happens every winter. We Originated the treatment of horses by mail - Under Signed Contract to Return Money if Remedy Fails - and every minute of every day for seventeen years our advice and treatments have been on the way wherever mails go and horses are.
Our charges are moderate. Spring work is near; Write at once.

Address-TROY CHEMICAL CO., 148 Van Horn Street, Toronto, Ont.; also

,
Mount Victoria Clydes \& Hackneys when inat


 CLYOESDALES



Aberdeen-Angus Cattle Mature early. MANAGER "GRAPE GRANGE" FARM For Sale-Angus Cattle. Some nice
yearling bulls and good females, all ages. yearling bulls and good females, all ages.
Use an Angus bull to cross and get the kind Se an Angus bull to cross and get the kind
the butcher likes. J. BURT \& SONS
Hillsburg P.O., R.R. No. i, Ont.
Oakland-50 Shorthorns. Offering for winter and spring trate, is six
excellent buls from ten months to two
Out orears old.


Questions and Answers. Miscellaneous.

## cleaning cattle.

 What in the best method of clean-ing cattle for a sale? What will cemove the dirt and stains which will stick to them? What is the best material to
use on their horns?
 brush is required. It the catte are
gaining in hesh, $a$ good deal ot the dirt may be removed in this way. Where
they are very bad, it may be .ewene to soak the dirt of with warm water. This will cake some ume, as the clods
ting tencioualk
citan smooth them up with sendpaper, and rub LTME For LIGHT Loam. Living close tha k ime kin. where
plenty of rough and airslaked lime can be obtained, in what quantity por acre should it be spread on light- Joam land ?
Do Do you think it a good fertilizer? Also,
in what quantity should ashes from same in what quantity shourd asheses from same
Kiln be used, and how should it be used, and
plowed down or topdressed? Ans.-Lime, as a teritizer, is is s. cimply calcium carbanate it is valuable to apply to sons wnich contain an undue ing in a very fine state, it effects a Its man aumixure with many soils

 sandstones. or moor soils. Litione used
to execess dimininhes humus, so hearvy
 available plant food already in the soill
 plenty of humus. Some authoritied claim that one ton to the acre every
three to inve jears
is sumfient.
Would three
suggest that you determine mhother of
of tor your tand neads it by applyint thif
amount to an aere and ascertaining re sults belore aplying it over an axtensivo
area.
Lime ashes contain trom 20
to
 $\begin{array}{ll}\text { cumstances. } & \text { This would guide in their } \\ \text { application. } & \text { Top dressing is generally }\end{array}$ medill FERTILIZING YOUNG ORCHAR Young apple trees, planted two years
ago, do not seem to be making much
aro ago, do not
growth. Would some nitrate of soda
help help them? If so, about how much per
tree, and when would you apply it ? tree, and when would you apply it
Would barnyard manure be better, or combination of both? The trees are
sod, but were plowed around last fall,
and will be cultivated this year for and will be cultivated this year for strip on each side wide enough to tak
a disc harrow. ${ }^{\text {ASS AM." }}$
Ans.-Do not apply nitrate of soda
alone to your young orchard. It may alone to your young orchard. It may
be used to advantage in a complete fer
tilizer comprising also a coodly proportilizer, comprising also a goodly propor-
tion of potash. $A$ suitable formule would be as follows: Nitrate of soda
or sulphate or sulphate of ammonia, 100 pounds
acid phosphate, 400 pounds; muriate
potash, 200 pounds par acre The potash, 200 pounds, per acre. The phos
phate and potash should be mixed to gether and applied first thing in the
spring. Broadcast them over the cult spring. Broadcastork in carefully. I
vated strip, and work
sulphate of ammonia is used, it may be mixed with the oner ingredients and
applied at the same time. If nitrate applied at the same time. If nitrate is
employed, it had better be put on in two
dressings, one employed, one just as growth is com-
dressings, one
mencing in the spring, or at the same
time as applying the potash and phosphate, and one two weeks later. Nitrat
of soda is very soluble, and subject t leaching. If you use a ready-mixed fer
leat get one with a $2: 8: 12$ formula
tilizer, get
$\qquad$
$\qquad$ tion of manure and commercial fertilizer
would be excellent. Sow a leguminous would be excellent.
cover crop in July.


## What Three Bushels More to the Acre Means

$]_{\text {IGHT years ago the farmers in a central state }}$ raised average crops that ran three bushels less to the acre than they now get. Suppose each acre of farm land in this country were so tended that it produced an equal increase. Wharies of life that they earn and deserve? depends entirely upon yourself. The first step for you to take is to

## I H C Manure Spreader

Corn King or Cloverleaf
Manire cannot be spread as it shoidd be unless a machine is nsed
An 1 HC spreader covers the $g$ ground with an even coat, light or An 1 HC spreader covers the ground with an even coan, light or
heavy as may be needed, and pulverized so that the plant food ele
 The spreader that does this work as it should be oane must have
 jerkivize ie menure without too greatly increasing the draft of the
pulverize the the speed changes of the apron should be positive whether
 Mee epreader is going uphile ordo provided for in the construction of
${ }^{1} \mathrm{HC}$ spreaders The 1 HC local agent carries in stock the machines best snited to your lort ${ }^{2}$ ". Soe him for catalogues and full information, or, wrib

International Harvester Company of America



MAPLE EVAPORATORS TO the live farmer. our Perfect Maple Evaporator when it is most needed With our Maple Eviporatar sap to eally aid economically converted




STEEL TROUGH \& MACHINE CO., Limited, 5 James St. TWEED. Ont.
STE

## -ANNUAL PROVINCIAL SALE OF-

## PURE-BRED GATTLE

nder the auspices of the ONTARIO DEPARTMENT OF STOCK CLUB, will be held in the Winter Fair Building, GUELPH, ONT., on
Wednesday, March 5th, 1913, at 1 o'clock p.m.
The sale will comprise 40 head of Shorthorns, principally bulls,
many of them of the very best Scotch families. For
many of them of the very best Scotch families.
catalogues and further information, apply to

| A. E. MEYER, Guelph |
| :--- |
| President |


 L. O. GLIFFORD, Oshawa, Ontario,

Four of the frot-prise Shorthormy

$\because$






Galves Without MilkBLATGHFORD'S GALF MEAL The resit of opper 100 years



Messrs. Nilickman \& Seruby Chart Lode, Eeaton, Kentr, Rag, D. Potathotone prith Horeen apocialy


"The Manor" Scotch Shorthorns


J.T. GiBsoned , DENFIELD, ONTARIO Woodholme Shorthorns

 SPRING VALLEY SHORTHORNS Herd haded by the two Importof bule Nemon


EYLE BROS.
Ayr, Ontario
1854 Maple Lodge Stock Farm 1913
 House is one mile from Lucan Cro
A. W. SMITH, Maple Lodge P.O., Ont. Shorthorn Bulls and Helfers-1 have a heifers in calf now to offer. Former sires, Joy of
Morning (imp.) $=32070=$ and Benachie (imp.)
$=69954=$. Present stock bull, Royal Bruce (imp.) $=55038=(89999273853$. . No. 2. Erin, Ont. SHORTHORNS some swine-Have


Cossip.
George Gier \& Son, breeders of highclass Shorthorns, and whose post-office address has been changed from Grand Velley to Waldemar, Ont., R. R. No. 1, write: We are oftering at present one extra-good young cow, with a calf at foot, and some heifers old enough to breed, all by Mildred's Royal, and win sell these cheap on account of not having a bull to breed them to. They are right good ones, with first-class pedigrees. We also have one young bull for sale that would make a show bull it fitted. He is by Mount Royal (imp.), and out of Gem Lady, a Belona, by Mildred's Royal. The herd of calves that heifers, and look fine.
N. E. Mallory, Blenheim, Kent County, Ont., advertises in this paper for sale, choice seed corn of the most popular. varieties, both for husking and for silo purposes in Ontario and Quebec, at modMr. Mallory writes: reasonable terms. Mr. Mallory writes: This is my third year in the seed-corn business. With of my first year, it was than double my sales last year. For this season's trade I have grown, and
 last season. Mr. Mallory also 1 . sold last seasln. tan. Mandies strawberry also grows berry plants of the most desirable varieties. See advertisement, and write for catalogue.

Collver V. Robbins, River Bend, Ont., ment appears in this, waper, writes : have been breeding pure - bred Holsteins for eight years, and have used the best
bulls obtainable. The last three herd bulls have been sons of Johanna Rue
4th's Lad (2105), Tidy Abbekerk's Mer4th's Lad (2105), Tidy Abbekerk's Mer-
cena's Posch (4391), Count Hengerveldt cena's Posch (4391), Count Hengerveldt
Fayne De Kol (7877). The young stuff
ofering Fayne De Kol
ofering includes some bulls ready for
service. While this year service. While this year is the first I
have done a any offcial testing, we are now satisfied that a number of our cows
are capable of making large records under favorable conditions. I have exhibited very successfully at the leading
local shows, including the welland Cound Fair, where we wing the Welland County strong competition. The mature females
for sale are either fresh, or due before April 1st, and two of them test over our-per-cent. butter-fat.
beginning in antmal husbandry. Chas. S. Plumb, Professor of Animal of Ohio State University, already well his knn to agricultural students through Animals,"' "Little Sketches Breds of Farm Beef Cattle," etc., has written another
valuable Husbandry." work, "Theginning in Anew book is a credit to the author, and to the publishers,
The Webb Publishing Co.. St Prember Minn., is handsomely bound, is Printed in bold, clear type, and is most pro-
fusely illustrated, the illustrations being clear and distinct, and setting forth the points contained in the printed matter text-book for young people, schoolboys and girls, young men thinking of taking
a short or a longer course a short or a longer course at an agri-
cultural college, or, in fact, for anyone interested in animal husbandry. It is readable, and easily understood, covers well-known breeds of cattle, horses, Sheep, swine, und pultiy, with thelr
characteristics and comparative values together with the best methods of feed-
ing and caring for the stock. Origin of breeds, perigrees, types, judging, yenti-
lation and housiny. and all the more important considerations are dealt with. This book should
have a place in every farm library. It

## SHORTHORN SALE

MR. JAMES COWAN, of Seaforth, Ont., hadving sold his farm, will, on
Thuirsday, March 6, 1913
At the farm, one mile from the-G. T. R. station at Seaforth sell by auction, positively without reserve, his entire herd

Miss Ramsden Roan imp. cows of the Lady Ythan
Miss Ramsden, Roan Lady and Scotch Beauty tribes, their daughters and g. daughters. Also

Clara-bred son of Imp Boyist, a Mar
The big majority are heifers, nearly
The big majority are heifers, nearly
Book. A strictly high-class offering in prime condition.
TERMS: 8 months on bankable paper, or $5 \%$ per annum off for cash. CAPT. T. E. ROBSON, Auctioneer.
Catalogues on application to :
JAMES COWAN,
SEAFORTH, ONT.


V A BALANGED FOOD Wholesome, nutritious, palatable, "Malasofat " ${ }^{\text {diged }}$ your milch cown profits. "Malaeofat" producen maximum results at a minimum cost.
Ask your dealer, or send direct for
information.
DAIRY MEAL
PARK FEED MILLING COMPANY, LIMITED 17 River Street Toronto, Ontario, Canada


## SCOTCH SHORTHORIS

 FOR SALETwo high-class imported yearling bulle. Eighteen bull calves, 8 to 14 months old, by the imported sires Bandsman and Village best Scotch families, bred to imported sirea. Some Toronto and London prizewinners, th sexes; also some imp, yearling heifers. MITCHELL BROS. Burlington, Ontario
I5 SHORTHORN BULLS 15
We have been breeding Shorthorns on this farm for over 60 years, and I never saw a better lot o
young bulls for sale than thave at the present time. Nearly all of the beat Scotch bred
 $\underset{\substack{\text { Claremont Stn., C.P.R.,. } \\ \text { Plckering Stn., } \\ \hline \\ \text { milles. } \\ \text { miles. }}}{\text { JOHN MILLER, Brougham, Ont: }}$ Shorthorins $-\frac{\text { Records show that cattle bought from the }}{\text { Salem herd won numerous riblens }}$ son. We have others. Several young bulls are Elora G. T. R. and C. P. R.
J. A. WATT, Sallem, Ont.

10 SHORTHORN BULLS 10
 reeman,ontario.
1861 Irvine-Side Shorthorns 1912 Offering for sale young bulls and heifers that are the result of over 50 years succesfful breed.
ing. Pure Scotch, and carrying the best thood of the breed. Few gyood Oxtord Down rems
John Watt \& Son, Salem P. O., Ont. Elora Station, G. T. and C. P. R.

## PEERLESS PERFECTON

Gossip. H. M. Vanderlip, Cainsville, Ont.,
breeder of Shorthorns and Berkshires, i renewing his advertisement, writes : offering for sale the herd bull, Chancel-
lor's Model $=58524=$. lor's Model $=58524=$; I do so with re-
gret, and only because his daughters are gret, and only because his daughters are
of breeding age. What he has done for this herd he will do for any herd he may be mated with, as he is in splendid Wee believe hition, and as active as ever. We believe him to be one of the very
best breeding bulls in Canada at present. Chas. Yule, for H. L. Emmert, Oak Bluff, Man., has just selected one of the sons of Chancellor's Model. He also selected a grand young brood sow, and a younger one of similar breeding. We have for sale four young bulls of the thick, mellow, low-down sort, character-
istic of their sire, at prices in reach of any breeder desiring a good sire. Our Berkshires are pretty well reduced in numbers, owing to unprecedented denumbers, owing to unprecedented de-
mands. We have a few left, have alreads booked a number of orders for spring litters, will be importing as soon as the ports are open, and will fill any orders for imported stock.
R. Honey \& Sons, Brickley, Ont. breeders of Holsteins, write : The young w. R May Castletant week was sold to W. . We, he in ., and shoul and has the right kind of breeding wo and now the service in spring is well- built, and from May Snowflake duced $7,808 \mathrm{l}$ lbs. of milk in one seasen, under very ‘unfavorable conditions, as a junior two-year-old. She has a four junior two-year-old. She has a Your-
year-old sister that gave $13,300 \mathrm{lbs}$. of milk in ten months. Her dam is Snowflake Queen De Kol of Minster, who gave $13,089 \mathrm{lbs}$. milk and 448 lbs . of fat in R.0. P. in 1008, in 19010, the 8 geve $2,054 \frac{1}{\text { a }}$ lbs. of milk in thirty days. The
sire of this calf is Lakeview Burke Fayne, whose dam and sire's dam auvgraged 23.14 lbs. butter in seven days. He has six R. O. M. sisters. One gave
8.85 lbs . butter eight months after calv8.85 lbs. butter eight months after calv-
ing, as a yearling. His sire has ten ing, as a yearing. 30.63 lbs. butter in seven days, and his dam has two sisters that made over 30 lbs. butter in seven days. Look up ad isem and writ for prices and particular.
the graham-renfrew horse SALE.
The dispersion sale of imported Clydes date and Hackney stallions and fillie held by the Graham-Renfrew Co., at tho
Repository of Burns if Shepherd, Toronto, on Friday, February 7th, was a pronounced success, drawing together a
crowd of several hundred from ever $\begin{array}{ll}\text { crowd of several hundred } & \text { from every } \\ \text { Province in the Dominion. } & \text { The quality }\end{array}$ of the entire offering was up to a high standard, and brought out in the pink of condinion. That there were some big around was fairly satisfactory. Five
imported Clydesdale stallions, all of them imported Clydesdale stallions, aypo breed
above the average in breed type, above the average in ade an average ing, and quatich, made an tverage
$\$ 920$ or a total of $\$ 4,600$, the highes

price neiny $\$ 1,000$, for the four-year-old | price being $\$ 1,000$, for the four-year-old |
| :--- |
| Milton's Last, a son of the renowned | Milton's Last, a son of the rence wa

Baron's Pride. The lowest price wat
soon's. Baron
$\$ 800$, for the four-year-old, Rose a grandson of the noted champion sire
Hiawatha. Twenty Clyde fllies sold for a total of $\$ 11,170$, an average of
$\$ 558.50$, the highest price being $\$ 1,025$, $\$ 58.50$, the
for the two-year-old, Netta (imp.), b
Raron I ionel, and the lowest price $\$ 335$, Raron Lionel, and the lowest price $\$ 335$,
for the six-year-old Canadian-bred mare Queen of the Park, by Right Forwar
Quix
imp.). Two Clyde foals sold for average of $\$ 162.50$ each. Possibly the biggest barkains of the sale were roun
in the two imported Hackney stallions in the two imported Hackney stanington
Terrington Semaphore and Terre
Tircissus, which sold for $\$ 500$ each arccissus, which sold for $\$ 500$ each
The hishest price for a Hackney mare
was $\$ 1 / \bar{\prime}$, for the seven-year-old, Blanci

## Livingston's ill cal cake

Is the most wholly nutritious stock food you can buy. Made of the purest Linseed-by the celebrated Old Patent Process which makes it keep three or four years, if necessary) proved by feeding tests, both practica a a scienticic, to be $95 \%$ digestible.
Even if LIVINGSTON'S OIL CAKE MEAL costs twice as much as the other foods which do not keep and cannot be half digested, it would pay every farmer and dairyman to get LIVINGSTON'S OIL CAKE LIVINGSTTON'S OIL CAKE MEALL is realy cheapest in the end-
quickly increasing and improving the milk and healthily FATTENING quickly increasing and improving the mill and health

THE DOMINION LINSEED OIL CO. LTD.
BADEN, ONTARIO.
montreal, ouebec.

## SHORTHORNS I Have now, a choice lot of young bulls to offer ; also with something nice in heifers. Catalogue of herd and list of young animals on application. H. Cargill \& Son, Props. John Clancy, Manager. <br> 

| llave SHORTHORI Bulls and Heifers, SHROPSHIRE and COTSWOLD Rams and Ewes, CLYDESDALE Fillies and Colts
 dithe who fiem ROBERT MILLER, STOUFVVLLE, ONTARIO (1) 1 of breeding and quality: Our present offering: One

LAKEVIEW HOLSTEINS


E. F. OSLER, BRONTE, ONTARIO

Nilla
The World's Finest Dairy Cows are Milked by the SharpIes mechanical milker


dOwners of the highest priced dairy cows in America use the Shariles Mechanical Miliker. One of the



 When ownerof of these high--priced animals us





THE SHARPLES SEPARATOR CO.
WEST CHESTER, PAA.

GUNNE



purs - brad regrstarab Holstefn Cattle
 DEEE illuotrated in deactiptive bookleore. 5. L. Houghton, Fec, Boz 127, Bottleboriont

Special Offering at Maple Grove, Grees


 and see thee, out of of our 21 -lb. 3 -year-0
$\mathbf{H o}_{0}$ BOLLERT, Traite
R. R. No. 1.ck, Ontarlo

## Registered Holsteins

6. Cows in splendid condition, all large before 1st April. Also some young
stock of excellent breeding,
Collver V. Robblins, Riverben
Hawthorne Glen Holstein Herd

rother to Pontiac Jessie, swee
stakes heifer under 36 month Write for particulars, or coseme and make your choic Eastwood Sta., G.T. R. ${ }^{\text {MARTD }}$ Oxford Centre, On The Maples Holsteins
 WALBURN RIVERS, Foldens, Ont Phone. RIERS, Foidens, On County. Mrple Holstein-Friesians Special offer-


Holsteins and Tamworths
 R.O. Morrow \& So son, Hilton P.O., Ont For Sale Choice Reg. HOLSTEIN HEIFER
 amity Ormsty. W. A. Bryant, Cairngorm, Ont HOLSTEIMS and YORKSHIRES Mi


Gossip.
J. Cowan's shorthorn sale. The females to be oold at the disper sion sale of James Cowan's Shorthorn
herdid hend, at Seatorth, Ont., on Thurscay;
Narch 6 bth, offer an opportunity seldom presented to stock up with a foondation of Scoith Shorthorns with breeding and individual merit that wif. certainly prove
$a$ profitulut in inestment tor their tortu-
 Campbed Liady -Ythan, and two of hee daughters. one by Imp. Nopareil Archer
the other (imp.), a miss Ramsden; bull; Cecilia her daughters and granddand several of by such great bulls as Imp. Trumpeter the Lordon champion, Gold. the London Champion, Golden Emir,
son of Imp. Golden Drop Victor, and of Imp. Emir 35th, and the present stock or imp. Emir 35th, and the present stoc
bull; Roan Lady 40th, sired by th Missie bull, Imp. Merchantman, and fout of her daughters, got by Lord Crocus Golden Emir, and the present stock bull Imp. Mistletoe, and by the Missie bull Beauty 2nd, and two of her daughter The above shows the lines of blood
breeding treeding of .the entire lot, among which
are five two-year-old heifer
yearlive yearlings, with some heifer calves
heifers are heilers are
are allon in
are
a common
are all in
heifers are heifers are
Royalist
(imp $)$ one am
splendid

1) (imp.), bred by Wm ,
In .
$\qquad$
$\qquad$ Roan Lad
months old months old, a pair of extra good ones.
Write Mr. Cowan for catalogue, to Sea-
forth P. O., Ont.

$\underset{\substack{\text { In the } \\ \text { of huma }}}{ }$ $\qquad$







 2.300 yars. old, While the grint redwood
trees of Califromia are estinated to nave

$\qquad$
$\qquad$

HOLSTEINS By Auction
Owing to having sold his 'farm, Mr. A. H. Teeple, of Currie's, On at the big Sale Pavilion, in the City of
GOODETOCK, ONTARIO
Tuesday, March inth, iq!3
Will sell by Auction, without any reserve, his entire herd of 48 head of richly-bred and producing Holsteins. This is one of the noted herds of Oxford County he result of many years' breeding, the produce of high, official backing on th sides for generations; including a big number of very choice Clothilde the two grandly-bred stock bulls, King Fayne Seg an exceptionally high-class one and in splendid condition
TERMS: Cash, or 11 months on approved note with $6 \%$, COL. WELBY ALMAS SIPLE, WM. PULLIN, $\xlongequal[\text { Brantford }]{\text { Woodstock }}\}\}$ Auctioneers
A. H. TEGPLE

CURRIE'S, OATARIO
Holsteíns and Tamworths

火rillowdale, Ontarín WEDMESDAY, WARCH 12th, 1913, AT THE FARM Sell by auction, his entire herd of 40 registered Holstein cattle, and a number of registered Tamworth Swine, Brood Sows, Young-bred Sows, Boars, Etc. There are cows with A. R. records up to 19.14 lbs. Two ar-old heifers with A.K. records up to 16.30 ibs., R.O.P. records up to 14,000 lbs.; B.F. tests up to $4.51 \%$. A strictly high class lot in high-class condition. Nearly all in calf to a son of the great King Segis; and many of the young ones, sons and daughters of the same bull Metropolitan Electric Cars pass the farm every hour. STOP 34. TERMS : Cash, or 8 months with $6 \%$. JOHN MOHN PREN<br>WILLOWDALE, ONTARIO

FAIRVIEW FARM'S HERD OFFRS ong of Pontiac Koradye daughters that have made 7 -day records above 30 the only bull that ever sired 12 next bull to be a brother to such cows as Pontiac Lady each. Do you want your and eight , Pontiac Clothilde De Kol 2nd (37.21), Sadie Vale Korndylve (36.20) Pontiac Korndyke. Colantha Gladi. E. H. DOLLAR, HEUVELTON, NEW YORK. Near Prescott. AVONDALE STOCK FARM



 come and se

## 

 A. A.FAREWELL, OSHANWA,ONTRARIO




## H(DISE'MEINS

I can supply a limited number of high-poruccing and highly-bred females: also young
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