## PAGES

MISSING

# Che Farmer's Yidvocate and Fome Jragazine <br> Persevere and Succeed." 

LONDON, ONT., DECEMBER 61906.

## EDITORIAL

"The Farmer's Advocate" for 1907. more youthful days, to look upon the evincing any especial interest in making money as a manifestation of the work of the Evil One. '. The ly preached to us, and, unable to distinguish beween the inordinate love of money for its own caring for a bank account or property, which must be an attribute of every independent, provident man or woman, we grew up looking askance at all who waxed unusually prosperous. gone up in thin smoke. The miser, the man who makes money by trickery, dishonesty, meanness, is as much despised as ever; the man who is so anxious for money that he will sell his vote for it, for instance, gets all the contempt that he
deserves. Nevertheless, it has comer nized by every level-headed man or woman that it is right to make just as much money as one can by square, honest, honorable means. The should not every man lay up also for his winter sason, or for the proverbial rainy day which may come either to him or to his children?
The right-minded man, too, does not look even The right-minded man, too, does not look even
this only. He recognizes that the possession of money will enable him to do much good-to contribute to the occasional "charity" which may present itseli, to help the township out at
times, when some project requiring men of capital at the back of it comes up. Moreover, he is enabled to supply work and an honest living to men less favored or less capable of making money than penniless: to the poor "c under dort" who has al ways come out beneath in the fight, and is glad enough to earn an honest dollar when he can be So we might go on ; but why enumerate We think it is clear that it is right to make and
$\qquad$
may be ascomplished on the farm, is the business each individual reader how to make money and how to save money in one of the fairest and most herself. This is not mere talk. We desire, of course, to extend our circulation and make somewhat ourSel ves, but to do that successfully we must have
the interests of the country and the farmer in

## Success on the farm depends on two things

 lirst, The Man; and second, His Conditions, somewif which he does not control. For the latter reaon, we oppose the imposition of what we deem
unjust burdens upon the fruits of the farmer's unjust burdens upon the fruits of the furmer s
(wiil or discriminations against him,
But, in Canada, more depends upon the man, But, in Canada, more depends upon the man,
what he knows and how he farms. Therefore, hat he knows and how he farms. Therefore,
he services have been enlisted of experts on this ulbject to help carry out our programme. The

> Matter does not go into this paper rash of sensations for mere sensational effect, or boom . Warming, live-stock husbandry, dairying, t-groming, et al, and the voices of thousands
readers declare that wo are accomplishing this.
prove the paper, and make it more perfectly adapted to the real interests of the farmer and
his home, and lay before the advanced student of agricultural science such material as will stimulate thinking and research and mark the episodes of real progress. We believe in teaching through the eye, so we shall continue to use good paper,
presswork and illustrations Our readers have noticed the increasing atten ly the salient features of agricultural conventions because of the rich stores of practical information there brought to light.
Beginning with the last issue we laid our readers the first instalment of a careful re sume of the results of investigations being made into horticulture at the experiment stations, agricultural colleges and schools in Canada, the United States and elsewhere, and we have enlisted expert service to interpret in popular language agriculture, researches into other branches of dairying and so strated at these We do not promise to change the
titude of the paper We shall aim to general at truth, and state it frankly. Betimes, we may tread on somebody's toes, but we desire to ber fair on all subjects and to all persons. The paper is not affliated with any sect, party, institution or clique, and proposes to exercise its in
dependence in publishing what it deems in the best interests of the farmer and his home. We shall not refuse insertion of articles if up to a proper standard otherwise, merely because the be held responsible for the wiews of are not ents, but we prefer them to write over their own signatures.
Taken all in all, we believe farming to be the best occupation in which the masses of our people can engage. We believe it can and ought to be made the proftable and enjoyable, and if that be done, Whatever will lose somewhat of its fascination farmer and relieves his technical knowledge of the of success, and whatever broadens his intellectual horizon and elevates his thinking makes him a better citizen. This, then, is our aim for 1907 ask our readers the real brotherhood of man,

## A Year of Dairy Progress.

## The annual report of Dominion Dairy Com-

 portant. . A. Ruddick, indicates that this imto make the stealy aroress distinguishing characteristic during the pest 40 years. Although no data are available to show the aggregate exports and home consumption Mr. Ruddick believes the dairy industry is increasing. The quality of the product is improving, reports from all sources agreeing that Canadian export cheese has found increased favor withconsumers, owing to better condition on arrival. Canadian butter, as yet, amounts to only six per cent. of Britain's total imports, but it made decided advance in the estcem of the British marCanadian and some other lines having been best than ever hefore. This has been helped less the gradual improvement in storage and transportation methods. For the first time butter and cheese were properly protected from high temthe other when discharged from the steamers on the other side. This applies to the Port of Lon-
don only, but London receives over one-third of our shipments of butter and cheese. The outlook
bright. Canadian cheese, already the dom ng still more popular Country market, is becon atisfactory for some time to come
Britain's increasing consumption of butter shows no abatement. Improvement in the qually y of butter and facilities for preserving it in a
fresh condition result in more liberal buttering bread. Germany, once a butter-exporting coun try, is now an importer of this product, absorb ing a portion of the supplies that used to reach the British market. There would seem to be a great future before the Canadian butter trade and we are consoled with the assurance that an compete successfully with the Danes
For the future, efforts should be mainly direct ed to improvement in quality, primarily on the mere increasing in the make-room, rather than effort should be towards improvements in curing and transportation, so that the patron, whether of the cheese factory or the creamery, will derive the largest possible net return for the product of his herd.
Mr. Ruddick pays a well-deserved tribute to the cheese and butter makers of Canada, than whom no class have done more to improve the quality of Canadian dairy produce. A very large the dairy schools, at very and outlay of time and through abe expense the annual conventions, district meetings and otherwise, lost no opportunity of improving their knowledge of the theory and practice of advanced airying. Indeed, Mr. Ruddick goes on to de clare that, in his judgment, patrons and factory owners have not, as a rule, kept pace with the makers, many of whom are handicapped in their efiorts to produce a fine article by discouraging actory and other conditions. in so far as the onditions the make and curing rooms are been passing, in so many caces, from the old foint-stock companies under which they were organized to the individual ownership and control of makers, improvements then can be more readily effected, provided the proprietor has correctly en lightened convictions and the requisite capital. Mr. Ruddick also takes the ground that it is not fair to hold the makers responsible for the consequences of bad-fiavored mikh, but he should be for defects in the process of manulacture. Makers, no douber, often prosiate to reject mity not up to uniform manifestation of backlone would have salutary effect. We notice by our reports of the district cheese meetings in Western Ontario that there is an earnest desire to grapple with this trouble, which, in some cases was so bad that milk rejected at one factory would be taken home and carted off to an adjacent rival. In an enlightened dairy country like this it should not be necessary to resort to drastic measures or comcluding point stop such palpable folly. A concluding point, to which attention is very properly possessing e prime importalee salesmen of the qualities of butter or cheese as the case may be, as well as the necessary business knowledge and experience, in which case the well-managed factory rarely has any difficulty in selling its product to advantage.
"A mecate " is the medium for makes the experience of our best farmars alued property of all. The reading of other mens experience is a stimulating education of which no man should deprive himsedracation
the Farmer's Advocate and Home Magazine. the leading agricultural journal in the DOMINION.
The william Weld Company (Liaitrd). john weld, managre.
anauts for The farmer's Advocatb $\begin{gathered}\text { Tinnipg, Man. }\end{gathered}$
w. W. chapm London (England) Officr

AN, Agent, Mowbray House, Norfolk Street,
London, W. C., England.
THE FARMER'S ADVOCATE AND HOME MAGAZINE is published every Thursday. (sa issues per year.)
It in impartial and independent of all cliques or parties, handsomely
inlustrated wid

in Canada.
TRRMS OF SUBCRIPTION. In Canada, United States,
England, Ireland and Scotland, $\$$ Sr.so per year, in advance; $\$ 2 . \infty 0$

Agate Contract rates furrishingle on insertion, 2o cents per line

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W WILLIAM WELD COMPAN (

## Now is the Time.

On subscribers attest the general reliability ". The Farmer's Advocate." Particularly they appreciate the Home Magazine and its erary Department as being the very best obtain able. The price of the paper for 1907 remains at the low rate of $\$ 1.50$ per year-a little over three cents per week-with a handsome Christmas Number to boot. Is. "The Farmer's Advocate
and Home Magazine " worth this to you? Then, and Home Magazine " worth this to you? Then,
may it not be worth as much to some of your may it not be worth as much to some of your
friends. We wish to help you in every way, and we should like you to help us in spreading the
gospel of good farming and promoting gospel of good farming and promoting a better
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The Horse Discussion On by the Ontario Government have concluded appoint inquiry and sent in their reports, the general public is waking up to a realization of its purport Correspondence on the subject is pouring in briskly, voicing a great variety of opinions about the now widely-discussed idea of a Provincial stallion license and lien act. Always believing in the full and free discussion of such topics, we hold our clumns open to all views, favorable or adverse, -ibuth as they are creditably expressed and conIn arriving at conclusions on the In arriving at conclusions on the
interests should be subordinated
and a broad view taken, with the single aim
promoting or conserving the ultimate welfare the horse-breeding inidustry. There is time yet for further consideration of the pros and cons, and we are certain the Minister of Agriculture, Hon. weight to all reasonable argument attach due whatever legislation he may see nent in framing based on the facts which the Commission were able to gather.

## Our Maritime Letter.

" It strikes me, Father Burke, that this Prov-
ince, as I see it, being so free from the very weeds which are everywhere noticeable in the Upper Provinces, should be the very best place grand seed nursery." ," It would make a Commissioner for Conada J. A. Ruddick, Dairy as we conferred together who spoke those word. they are certainly worth pondering over for a moment.
The m
hrough the land from pure seed, which has spread ffected much good and Ottawa, whilst it has circle of votaries, is not nearly widespread enough ; nor can we rest satisfied with its extenWe may labor incessantly farmer in its ranks. selves to the icessantly to accommodate ourproper system of tillage the in field culture-the richment, the most economic rotation of soil enand if we have not good seed, the very of cropsout of our endeavor. Good seed is at the base of agronomic success; bad seed, even inferior age. ${ }^{\prime}$ e will leave it to statists and economists $t$ approximate the gross toll which impure seeds
impose. One can easily see that if the commit impose. One can easily see that if the commit-
ting to the earth of good seed should cause an excess over ordinary return in grain of even a few mense in a year's operating in a must be imcommunity. The toll of the weeds, the tolt the insects, the toll of defective seeds, make it difficult for the sluggish farmer to prosper. The immense advantage which the alert, intelligent, in
dustrious, persistent seed-selector possesses over his careless neighbor is so palpable as to awaken even
him to the fallacy of its position, and instil into
his sluggish heart his sluggish heart a desire to emulate his brother.
Then, special breeding and careful selection much improve on the average work, so much ad
vantage the specialists, that, scrutinizing the
sults, all within the rent sults, all within the range
come casily convinced and
$\qquad$ ing better returns is himself in the way of reap much less that of agriculture. ing The Canadian Seed-grain Association, in offerganizations which are formally pledged to the or-
husbandry, in husbandry, in any division of Canada, is doing an immense good in the land. Its membership members are all enthusiastic, and we find that its
only will they compete in the showe work or select much valuable seed for the but originate
the crops in their settlementent of the crops in their settlements. The seed of good
promise, planted in such a laudable cause, al-
ready produces excellent fruit influences it will be quickly increased under present struction accompanyng them, and the didactic in-
If there is a other, running through present day org than an
it is the perfectization it is the perfection to which the good-seed move-
ment reaches out so splendidy.
At Amherst, where we he At Amherst, where we have the distinguished
honor of chairmaning the work of the Sied 1)
partment, partment, there will be every care given to the
proper development of this important intwrest in
the coming fair week the coming fair week. The
years past, whilst encouraging
largely tentative largely tentative. This year
is created, and, working hand
 given to the good-sed movement wh will lie said of the whine diesire Whatever may
 much for good seed. The Division and
whose hearts are fired with the desir. whose hearts are fired with the desiry
every farmer in the line of sane seeding our Maritime farmers growers of theing. "ill mal seeds than what they have of something we will do our duty-our little part in
the stering headsmen of the in hand in wht is that fair? The farmors need a lot of horses
ahout us.. It is an entrancing occupat his seed-selection ; the man who commen, too and understands, as far as is permitted han, it well-doing, and also possescous pleasure in his his time is being expended in profitable enle that of grains, were many entries in the general clavor however, from Prince Edward Imhend Ist-tco few, ince, of all others, which, as Commissioner Provdick says, should raise peerless seeds. This defect must be remedied this year ; we want to dee the Island numerously represented. we want to see
tions for the Canadian Seed-growers, Asse secalone, the entries were a tithe of what Association be last year. Let us hope to see a great increald
his. Everybody will benefit by competition this. Everybody will benefit by competition of its beneficial results, every single soul in reaches, in soul in the land
E. BURKE.

## HORSES.

Stallion Inspection and Lien Act.
I have been reading with
subject. I heartily approve your paper on this spection act. I think the tendency stallion in opposed to the the horses of Ontario ; but I am opposed to the lien act. It goes without saying
that the man who will take advantage stallion man will take advantage of any of the man. Now, suppose A is the roan who will take lien on her. The stallion han mare and gives a will not be in a great hurry to push him cases as the mare is a good, young, useful animal. The gives another lien to another to another horse, gives another lien to another man, and may rethe result is trouble. The same might be said
of a lien on a colt. I think it would be better o. let the stallion man look out for his cusI think that if the Government would buy ew good Clydesdale stallions, and place them here and there throughout the Province them
they are needed. they might wonderfully the horse needed, they might wonderfully improve loss. I am sure if a good one of a ton weight,
with good feet and legs, and neck in a way that made him carrying his head and going some place, were placed in as if he were ould be highly appreciated and well patronized

## In'erference with Private Rights.

On the proposal to cnact a lien and license law
in regard to stallions,
in regard to stallions, I would, by your permis-
sion, give my views, and the al diews of the farmers who are and have unanimous a horseflesh in this county.
A meeting was have been breed
che A meeting was held in the Village of Fisher inissioners appointed the evening, where the Comtheir views, also a number of ownernment of gave
who came from alions ever, to the insufficiong distance. Owing, how number of farmers were present cussion, a voters was taken, which waser some dis a small majority, whle a number did not vote at all. The vote which carried was in favor of in-
spection, and the matter of licensing and a lien
law was not law was not put for a vote before the mecting. I
have. since the meoting atsertain the feeling of the farmers on the sub-
iect, and have never met act, to have never met one who thinks such an
act
bireder breeder. Nearly every interest of the farmera law as a direct interference in tomestic affairs
They claim that, with Institute lectures, with long experience, aided by lournals, tectures, and the aid of agricultural
lake care of arent generation is well able to take care of itself, and desion is well able to
vision that is is inten vision that is intended to restrict their liberties
in matters which only concorrn themselves. Those
views I heartily
 some sires would, (no doult. The weeding out of
whose horses sumed by those whose horses. sumcosfully passed inspection; but
is that fair? The larmors. need a lot of horses s, in their opinion, will he moost such stallions
 h.... and... and all the $r$ thon hecause: interest of far among the
3. It would be sure to enhance the price
service.
4. It is a direct
4. It is a direct interference in affairs that
are of a domestic nature, and concern only the
individual individual.
There are other reasons, but let these suffice I would ask my brother farmers to ponder well on the subject, and speak before it is too late. I ask you: Are you competent to judge and select your sires for your mares, or are you not ?
If not, then have some official take you in hand and tell you what to breed from. For my part


## Wintering Stallions.

Everyone who has had much to do with horse
must know that they are excessively intelligen
and sensitive, and that they have memories, says a correspondent of an English journal. They never forget localities, and they
resent injuries after years of alssence from those resent injuries after years of absence from those
who have been guilty of them. " The Druid," in
his charming reminiscenses gives everal exal his charming reminiscenses, gives several examples
of this. There was Don Jon, the winner of the St. Leger in 1838, and because "Bill", Scott hit him rather hard in one of his races, he be
came furious whenever he heard his voice. spigott was the same with regard to Scott al so, and, for some reason or other, The Princess
the Oaks winner of 1841 , took a violent dislike to The Oaks winner of 1841, took a violent dislike to
John Scott, her trainer. Years afterwards, when he went to see her in the paddock at Brethy, she
flew at him and chased him flew at him and chased him out of the enclosure.
With such animals ruminating, as they must do over the past, they may not be always treated course or the show-yard for the monotony of the loose box. The stallion's life is much that of a
recluse, if he does not travel recluse, if he does not travel. He is led out for
exercise once a day, or, if particularly pered, that change in the day's doings is often
dispensed with. In most cases it is the same dispensed with. In most cases it is the same stallion, under such troutine, and, as a rule, the and very dangerous. In other cases he shows age much before his time, and is as ancient-
looking at 17 as others are at 27 . Many owners of stallions of all kinds and degrees have considered all this, and various have
heen the ideas promulgated.
Hackney stallions are frequently driven during the winter months
Shires, in some few instances carting work, and hunting sires are often hacked to cover, and sometimes even ridden to hounds.
Foco, winner of the Great Metropolitan in 1864 . Foco, winner of the Great Metropolitan in 1864 ,
was hunted generally twice a week in Berkshire
during the time he was there as a sire, and to quote one in more recent years, Savoy, a most
succesful hunting sire in Staffordshire, was hunted regring and summer. and travelled in the is that of First Lord, by Stockwell, out of Vlie by Zuider Zee. He had run pretty well in the
Derby, and was a winner of other races, until fate brought him into North Devon as a hunting
sire. There he belonged to a publican at Bide-
ford, and this ford, and this practical owner had him broken to
harness. As he got older he was harness. As he got older he was sent to a moor-
land farm every winter, and there employed draw out mangels and turnips for the bullocks being fed at the time mostly on mangels and hay. The latter end of February he returned to
his own quarters, was given plenty his own quarters, was given plenty of oats, bran
and linseed for six weeks, and was then fit for the
season. and inseed for six weeks, and was then fit for the
season. It was asserted that he was the surest
getter of any horse in the getter of any horse in the county. There was
another there at the same time called Half-and-
Half passed by carrying a lady with the devon and Somerset staghounds. He got some extraordi
narily good hunters, and was in better reputa than First Lord
The custom
more ordinary practice of late years. The Duk of Portland's Carbine was so managed before His continued after his arrival in this country. This would he always easy enough if the horse was
ridden from the time he was taken out of training, but even under different circumstances the residing in Sussex kept two Thoroughbred hunting stallions and an Arab, and having some difficul-
ties with his men, applied to the War Office for a cavalry pensioner or a reserve man. He was prodescribed himself as an able horseman, and that he did not care much what he rode. Interviewed
ley his new master the night before he commenced
his dute his duties, he was told that he would have to cxercise the three stallions early in the morning,
the owner meaning, of course, to have them led out; but the trooper mistook that view, and old horse, 17 or 18 years old, and had not had a
saddle on saddle on him for at least 11 years. The corporal recommenced the operation, and acknowledged
quered their objections in the first ride thenthen was said, and they were henceforth regularly
ridden. To give stallions the desired amount of exer the man to ride and lead the stallion: but, al though this has answered remarkably well with some horses of mannerly dispositions, it has no have shown an inclination to savage others tha the pony, or both. Such a plan adopted in the ably in many cases shires has answered admir so fond of the pony as to be fretful has become at all, the small animal being always separated dated with a stall next to the stallion. Companionship in various forms has been recom-
mended by stallion owners. The late ton, who had the successful sire "Flash in the Pan in for many years, insisted on his being turned bullocks and any old mares in for with the young that would not hurt him, and he lived such like, good old age under this treatment. The companions, though, can be admitted without such fond of almost any sort of animal wondrously had a large dog, a cross between a sheep dog and ruardian as as his friend, and he was a bit of a racing circuits, they were inse horse took his cost would not feed unless his canine attendant was with him. When this dog was lost, another Lanercost always had his dog with him days tigern's fondness was for a white cat, and to the day of his death he had one that used generally
to sit on his back. Another frequent companion chosen is a goat. The late Mr. Forest Tod. in
a want of sympes of growth and maturity from a want of sympathy with their characters and spoil a Thoroughbred two-vear-old by iad may head that has been unnoticed by the trainer or head lad, and a Shire may be rendered a savage Then, there is the has struck him unjustly ment, the hours of idleness in the limited-size tinual or, worse still, the small stall and the continual feeding on artificial food. Even the crack sire, worth thousands, with his box so arranged between four high walls; and does that port of existence prolong his life or make him more pro hfic? It does not do to take the risks in re-
gard to animals of so much value such as were advocated by the late Mr. Mytton, but there might he some modifications in that direction. There should be the summer residence and the of very great value; special attention ought to be paid to the comfort of both. It might be that iner horses would be bred under better thoughtthan there should be, and more stable vices, such as wind-sucking and crib-biting. Horses, as a rule, do not live out their natural terms of
life, and there is less pleasure in keeping them if they are not regarded as sensible, intelligent ani mals, imbued with extraordinary powers of memory and of affection, if they are not eradicated by

## Examining Horses for Soundness.

## Some excerpts from a bulletin issued by Pur- due University on the above subject, will be

 Generally a balky horse is one that refuses towork. Some will work single only. Others will harnessed with when


Acme (10485)
Rated the 1 fith best-breeding Crydesdale stallion in
prize and champion, Western Fair, London, 1906. Sctand in 1905 . First
Imported and owned Imported and owned
though of a goat for him, and it quieted him occupying a large loose box, with a yard to walk in and out of. in the off season would be to give him a two-three-acre paddock, well fenced, and a comfort able very wide doorway chat in on all sides, ba a very wide doorway; a thatched roof, if pos-
sible; and to be well away-a mile or two-from the breeding stud or stable. With a goat as a companion, time would pass away pleasantly,
There would be no necessity to irritate the stalThere would be no necessity to irritate the stal-
lion by putting his tackle on or leading him out. He would exercise himself and be happy. The feeding should be changed, also, from quantities
of hay and corn to a good share of roots ie variety-carrots, mangels, swedes and kohl-rabi humans, like a difference of food as much as humans, and their whims and fancies should be
tion in going about
them. If they be that bite and kick. If they cannot succeed in front feet or aiting, they may strike with their sides of the wall. While being groomed they the strike, and in many ways Some try to lie down being curried.
Soing handled, but when perfectly tractable when being handled, but when approached with harness
or saddle they begin to rear plunge or bite. OLhers refuse to take the bit even
after they are harnessed after they are harnessed. So'me will try to stwell will object to the placing of the crupen ; others we find horses that will object to being placed in shafts or being mounted.
The feet should rein
The feet should receive special attention, mot
altogether from the disease point of view,
they should be altogether from the disease point of view, wot
they should be taken up, one after the othet ine they should be taken up, one after the other in
order to be sure that they will permit shdemper
without difficulty or danger to the smith horse that makes it necessary to be placed in
stocks or to be thrown each time shoes are placed is a very great annoyance.
a horse, to should be left untried, in purchasing be present or not. An animal with such a habit is always dangerous, either in approaching
strange animal or to the owner. He may tested by leading close to owner. He may be ing his behavior, whether he lays back his ears,
dilates the nostrils, curls the upper lip, straightens out the head, and shows the teeth. Straight-
horses will plunge viciously

## Approves a Stallion License Law.

## Dditor "The Farmer's Advocate"

You are desirous of getting the views of horse
men with regard to Government inspection and minn with regard to Government inspection and
licensing of stallions. The move is in the right
ding direotion, and the steps taken so far are all proper. I feel satisfied that when the Commissioners report to the Government the kind o
stallions they found in their travels throughou the Province, the Government will not hesitate in passing the desired act
The question naturally arises, " What kind o tock ?" Are we prepared to discard common lions that have not a registed pedigree? I I think not, especially in Eastern Ontario. I think cannot get both in the one onimimal. Where you large horse of any breed, provided he is a good
specimen of his breed, even though he may not b specimen of his breed, even though he may not be
eligible for registry, should not be discarded. The class of horses most detrimental are the small, general-purpose sort, of no particular breeding
but generally called French; and the small, light but generally called French; and the small, light
trotter or pacer, of some American family. Next horse, of Thoroughbred extraction. To get rid of the last three classes is what is wanted, which the proposed legislation will certainly do. After be prepared for further in a few years we would compulsory that all stallions must have a regis tered pedigree and good conformation before be ing granted a license. With regard to the prowe don't need it in the good old County of Dun

## About Feeding Horses

Since the establishment of agricultural experiment stations, the feeding of live stock has re-
sulted in the compounding of balanced rations
for all classer for all classes of animals. The dependence of the prosperity of many of the great industries is of these animals in good working condition ha As will be discovered feeding operations the same kind of grain and hay enter the balanced ration of the different experiment stations. The adopted as the standar ration is not universaliy or in the pens undergoing the grand finishin preparation for market, demonstrated a wide dif ference in the individual ternperament and as
similating ability of horses. There is similating ability of horses. There is a person-
ality in each horse that must be understood catered to in the maintenance of high condition when at work or during the fattening process. Great corporations that employ a multitude o
horses in conducting their business reduce eeding operations to a system of so much grain and so many pounds of hay per hundredweight o mong the large feeding stables Express Company feeds 4.67 pounds of corn 5.33 pounds of oats, 8 pounds of bran, 4.16 pound of corn meal and 15 pounds of hay per thousan press Company feeds its horses 21.25 pounds alfalfa, 3.2 pounds of corn, 19 pounds
1.15 pounds of bran, and 9.5 pounds of
1.15 pounds of bran, and 9.5 pounds of
thousand weight per day. The Boston
thousand weight per day. The Bosto
Company feeds its horses 12 pounds of
pounds of oats, and 20 pounds of hay, 5.2 United States Army feeds per thousand pounds o pounds of oats and fourteen pounds horses its mules 9 pounds of oats and 14 pounds of hay. The Utah Experiment Station feeds its farm
horses 25 pounds of alfalfa and 10 pounds bran, or 22.8 pounds of timothy and 10 pounds
of bran. The Wyoming Station feeds 1375 pounds of alfalfa and 2.25 pounds straw per day of hay is the standard ration for a draft horse
At Chicago, the large companies feed 7.5 pound of oats and 20 pounds of hay for a draft-horse ration. At the Iowa Experiment Station, a bal anced ration is compounded in the proportion of pounds of live weight of the horses used in the porperiment work

The ratiw. work.
varies from the Wyoming combination of 13.7.
pounds of alfalfa and 2.25 pounds of straw day, to the Iowa Experiment Station ration of 15 pounds of grain and 15 pounds of hay for
1,500 -pound draft animal. If horses can maintained in good cordition at horkes can be widely different ration, it demonstrates a wide difference in the nutrition necessary to maintain horses in different localities. The wide variation
in the ration of maintenance practically compels every owner of horses to conduct his feeding operations according to the individuality and assimilating ability of each horse in his stable.
Some animals require an actual test will soon determine the proper amount of both grain and roughage requisite for each animal to maintain it in good condition or
to fatten it for the market.-[Drover's Journal.

## Sand-crack in Horse's Feet.

and is a cleft or fissure in the called sand-crack, the coronet and extending downwards, frequently the whole length of the wall. This condition must, however, bo differentiated from the cracks ground surface and extend upward, but do not involve the coronary band. ably the principal one is the dry several. Probhorn. This renders the structure more of the and liable to crack on violent concussion. AnWith common cause is an injury to the coronet. crack, while where the horn is naturally a sandit will not crack so readily. The sudden eraporation of water from the horn which takes place then a horse is brought in from a moist pasture the horn extremely brittle and very liable to the h
crack.
Sa
way of a very slight makes its appearance by Way of a very slight crack in the hoof. Lame-
ness is present in severe cases which have produced suddenly, or when the crack has slowly advanced and has been in existence for some time. This lameness is caused by the pinching of closes as the foot is in action.
The treatment of
all movement of the edges of the crack arresting crack is well open, and any dirt or other foreign
substance has fore anything else is done, and be removed bewashed out with an antiseptic. The edges immovably. There are many methords and fixed for effecting this, but probably the one most easily applied by the smith is to attach a most
plate on the hoof directly plate on the hoof directly over the crack, attachmust, of course, be forced as near together crack sible before attaching the plate. A blister is also usually applied on the edges of the crack be Special attention is re
affected with sand-crack. The shoe should foo light, and in case of toe-crack should have two
clips, one on either side of the crack slight distance from it. The horn directly and a the crack should be cut out in a semi-circular fashion so as to remove all weight bearing at solid bearing on the shoe. It is essential good the affected hoof be kept moist and elastic, and any good hoof ointment which has this end in
view is recommended. As the horn tubes of the foot are open on the under surface of the hoof, it on a piece of waste or oakum, and to ointment in place of the hoof by means of a leather pad more or less acquainted.-lThe American Black-
smith.

## Help a Friend.

## Magazine " will be Farmer's Advocate and Home

 friends not only to renew promptly, but, as a old make this special offer, extend its circulation, we Present subscribers who send us two bill it. new subscriptions (enclosing $\$ 3$ ) will have their own subscription advanced one year; or, for sendrance the wh subscription six months. we will adfamily to another is not "a new sulscriber" Remember, that the new subscribers will get allthe copies for the balance of this year, the beautiful Christmas Numblur and all of 1907 for the
$\$ 1.50$. This is a $\$ 1.50$. This is a spendid oflor. Push it hard. sult, he has as hardy to do outdoors. thrifty As a re
 ushed beyond their strergh.
lieve it is unnatural and a grave mistake to at- has equalled, and followed this up by securing the
tempt, in this climate, to keep live stock under Queen's massive gold medal at the windsor hothouse conditlons. We do not, of course, beanimals tough, but in doing as the breeder aforementioned, letting the stock be the judge. daily taste of our bracing winter air, together
with good feed and a comfortable stable at with good feed and a comfortable stable at night,
is the way to breed a vigorous, profitable herd Exercise, with judgment, is the word. Never turn stock out merely to stand in the yard. Neer turn
they have something agreeable

## Is Cattle-breeding a "Mystery?"

Writing, after half a century's connection with cattle-breeding, it seems to me that English farmers,
ers, netch farmers, Irish farmers and Welsh farmpresent of improving facilities as they have at the breed, and at so light an expense by mean of progressive sires. Why is it that they have not availed themselves of the opportunity to its fullest practical extent? Sometimes I have and Booth, in place of proving names of Bates been just the reverse, and limited incentive, has fort. Ordinary farmer breeders have placed the men on a pedestal too high for the rank and file to emulate. They are held to have been men possessed with a specialty of acumen as to, what
blood and what forms these points; they have accomplishedd all that could possibly be done, and they have absolutely
left nothing for their successors to do. Folly simple folly ! They were men of sound commo sense, and they used it in a sensible way. This recalls an incident of my youth. One of my fellow pupils (who, in a pecuniary sense, had what
is styled "a father born before him") was told by the employer to whom his training had been entrusted that he was not making the necessary progress in his work. "Well, sir,", said the lad
ingenuously, "you have learnt it" all ; what is there left for me to learn?"' This seems to bo the position of too many British farmers of to day. Bates and Booth learnt and practiced all
there was to be learnt in cattle-breeding. there was to be learnt in cattle-breeding; what is
there left for present-day farmers to learn? With the materials they had then at hand, they accomthe materials they had then at hand, they accom-
plished wonderful results, and this leads to the reffection of what higher progress they would have nized the preponderance of the sire on recog ward structure, and that of the dam on the internal. This fact is illustrated in the human family, as well as in the bovine, for how few af our intellectual giants have transferred their gifts
of intellect to their sons, unless when allied to an intellectual mother. In view of the present foreign competition in flesh meat, the apathy of so many of our farmers in not striving to per-
petuate the work of past breeders is landing us petuate the work of past breeders is landing us
in a most dangerous position. The late Mr. George Drewry realized in what might have proved a fatal turning-point in the world-famed Holker herd of Shorthorns, that some of his fe-
males were lacking in shoulder packing. He selected a sire strong in that particular point He good blood, but otherwise not handsome. His
choice underwent criticism, but it was justified choice underwent criticism, but it was justified
by results. He used him only where and until by results. He used him only where and until
the defect was remedied. The late Mr. Robert
Thompson Rof Thompson, of Inglewood, saw his herd deterio-
rating. The exclusiveness of Bates and Booth was rating. The exclusiveness of Bates and Booth was
then strong, and a crose between the two was then strong, and a crose between the two was
anathema amongst breeders. He saw Beau Beneanathema amongst breeders. He saw beau Bene
dict, he took the plunge, and the result was the
unique Nottingham "Royal", success, in which he won firsts in each of the female classes with ami-
mals of his 0 wn breeding, a feat no other breeder
lee "Royal." Success such as this was mainly instrumental in breaking down the barrier of cast ertween Bates and Booth cattle, and other breedple. Put the query to farmers generally, as to why so many coarse and indifferent cattle continue to be bred in the United Kingdom, and the reply is: There have ever been good, bad, and
indifferent cattle, and there will always continue to be such." Kismet! No reasons for the why or wherefore of such are forthcoming, and yet the
foreign product io daily knocking louder foreign product is daily knocking louder at the meat begotten by the superior animals they flesh purchased from us. They are breeding out their weeds: why should not British farmers do to equal the British well-bred, grass-fed no bee and yet there are complaints that foreign beef is palmed off on British consumers in our markets at English prices. No one, not even the veriest
tyro, need be so deceived. Look tyro, need be so deceived. Look at the deep, rich
blood-red color of the beef on an English butcher's stall, and then glance at that on the stall of the purveyor of foreign meat, a pale, washed-out deceive a person of ordinary acumen, that person by the superiority of British grass lands, just as the latter combined with our climate (our muchabused climate) give us the superiority over all
other nations in live-stock breeding. Let, then, our farmers breed out the "weeds"; let our farm live stock be as uniformly superior as is our pedi-
gree herd stock. There is no need to sacrifice either milk or flesh, and judgment only is needed materials the best combination cattle ; all the only so, aided by our grass and climate, we shall retain our flesh meat markets. In a wealthy na-
tion like as is ours there is plenty of demand for the superior home product, but not for the inferior, at paying prices. We need not grudge the poorer members of the community the cheaper keep ahead in quality.-[Samson, in Live-stock

## Basement Stable Ventilation.

To my mind, the editorial, "Is the Basement Stable a Success?"' in your paper of the 29th present time? There is no doubt that a large proportion of the stables in use in this Province are dark, damp and unsanitary. As you properly
point out, it is difficult to maintain a dry atmosphere in a stone building where there is dead-air space between the stone and the air of the stable. We all know how unsanitary were the old stone houses, plastered directly upon the
wall, and the ordinary stone-basement stable pos sesses in an aggravated degree the faults of such houses. It seems to me that the planning of sanitary stables is a subject worthy of careful
consideration by architects of farm buildings Sanitation seems to be one of the last things considered in the average stable, and yet it is a matter of first importance. I firmly believe that it
would pay us to sacrifice considerable in the way would pay us to sacrifice considerable in the way
of convenience in order to secure the benefits derived from superior ventilation and absence from dampness, and the latter conditions are more
easily obtained where wooden walls are used and easily obtained where wooden walls are used and
where it is a comparatively short distance from the ceiling to the roof of the building. The wooden walls give dryness, and the low roof
makes it possible to ventilate more thorourly makes it possible to ventilate more thoroughly.
You have certains mpened up a subject that is worthy of careful opened up a subject that is it may be the means of bringing out a rational


Prizewinning Shorthorns.
Representing the herd of Senator Edwards, Rockland, Ont. The yearling bull is Royal Favorite $=56149=$, grand champion Canadian National Exhibition, Toronto, 1904
or early summer, they very quickly become smooth
under traffic; and until cut up by a very serviceable road, where better cann make obtained
The drag should be used when the road is wet in the spring, and after rains, as it then "puddies the surface of a clay road, and enables it
to shed the water to the side ditches, instead of absorbing it
To reach the best results with this method,
presupposes the grading of the earth roadway presupposes the grading of the earth roadway
with the modern grading machine. This forms the ditches or water-table; it crowns the roadway in a proper manner, leaving the grade such
that good surface drainage is possible. The splitthat good surface drainage is possible. The split-
log and kindred scrapers are merely instruments of repair; the grading machine is the instruments of construction: Highway Commissioner for Ontario [Note-It is very encouraging to find that simple methods of roadmaking and have secured some practical information, are willing to com municate it to the public through" our columns. are doing excellent work throughout Ontario will contribute good-roads literature in this way, and

## Roadmaking at Ste. Anne de Bellevue.

Colleg form, Sta on the Macdonald Agricultural College July; it was then thoroughly worked with a disk and cultivator to kill the sod. After this it was graded with a road grader, the center was levelled out, and the sub-grade rolled with a 10 -ton stear spread about Stone picked off the fields was the feet wide; this was broken by hammers to what stone was then thor-inch size. This coating of stone was then thoroughly rolled, the roller
crushing and levelling it to a smooth surface On top of this about four inches of crushed stone from the stone crusher, screened through a 2 2-inch screen, was evenly spread with a Sawyer Massey spreading wagon, and then well rolled. As a finishing coat, two inches of fine material was
then applied with the spreading wagons, and rolled to a smooth, hard surface.
The stone used was a hard blue
coarser stone, as already mentioncdestone. The picked up off the filds. The stone crushed wastly
quarried on the College uarried on the College grounds. $A$ No. 2 Aus tin gyratory stone-crusher was used to break the
tone into two sizes, by means of a reval screen, manufactured by the Sawyer \& Massey
Company. This screen was six fcet Company. This screen was six fect long, with
perforations of $1 \frac{1}{2}$-inch and $2 \frac{2}{2}$-inch, in lengths of periorations of
three feet each. The crusher broke everything
fine enough to spreading wagons were used, and the rolling was done by ton the width of the troal weighing 12 fect, and the average depth of stonie 9 then, is I can hardly estimate the cost of such a road, as that would depend largely on the cost of material,
but if that did not cost more than $\$ 2$ to $\$ 2.50$ per cord for stone, the actual cost of construction per cord for stone, the actual cost of construction
(leaving out interest for machinery, etc.), should not exceed $\$ 1,200.00$ per mile.
We have also built some roads here with a directions as given above. In tho case of same 1,000 feet of road built over a bog, the width was 18 feet, and from 1 foot to 15 inches of stone
was applicd in the same proportions as given feet would cost considerably less than eight
metalled 12 feet, as shown in the photorraph

## Little Effort

## Magazine" will be better than ever beiore il

 friends not only to renew promptly, but, as make this special offer, good only till Dec. 31st. Present subscribers who send us two bona-fide own subscription advanced one year have their ing one new subscription and $\$ 1.50$, we will advance the old subscription six months.Changing the name from one member of the Remember, that the new subscribers will get all the copies for the balance of this year, the beautiful Christmas Number and all of 1907 for the
$\$ 1.50$. This is a splendid offer. Push it hard. Begin to-day.

## Notes from Ireland.

ARBOR DAY AND FORESTRY PROGRESS If the in its career its Society achieved nothing justified by the successful way in which it has drawn public attention to the Arbor-day move tree-planting carnival has been secured through its instrumentality in many parts of the country About two years ago, under its auspices, Arbor
Day was officially inaugurated by the half a dozen trees in ingurated by the planting o expansive Phoenix Park, near Dublin. After this initial effort had been accomplished amid grea enthusiasm, it was thought that the movement Ireland, but, alas, the country people, as a whole (though there were notable exceptions), did no come into line so readily as could be wished ter was permitted to lie somewhat in abeyance This year, however, the Forestry Society deter mined " to do or die "" (preferably the former, of course), and, when autumn approached, a valiant
effort was made to impress with greater emphasis than ever the need of a more widespread appreciation of the necessity of tree wresprvation and planting, and the assistance which the general observance of Arbor Day would in many direc
tions contribute towards the desired obiect. this laudable aim, the Society found willing and hseful allies in the agricultural and general press,
and strong appeals on the subject most of the pappers. In addition to these, howcounctils and circulars were sent to the county councils and other local authorities, explaining he idea embodied in Arbor Day, and asking for osing week of October and the opening days of


Road Over Bog Land.
ovember were suggested as the most suth dates. On the wholested as the most suitable ment which this foreign demand, now be that the ing directed to bur shores bive of centers the encouraging, and in a great number husiastically introduced was successiully and en that the effect of such a celebration from to reason introduced. It stands to reason
ostequality animals, and ang to produce the high-
of such a celebration from year to and enjocy a merited
o be of a beneficial nature in every and sense, and not the least useful of its influencery act that trees play an important part in the fact that trees play an important part in the strange things happen everywhere now and
national wealth of the country, and should, con- agin, and 1 amn in a position to relate an oc
sequently, be preserved and fostered in every prace curchce that can omly be described as strange sequently, be preserved and fostered in every prac- arrence that can only be described as strange,
tical way, which possesses as much interest for Cana-
The inepartment of Agriculture and Technical dians as for those people at home here whane Instruction are keping up with the progress of aware of it. A certain agricultural instructor in
the movement. Recently they appointed a well- the service of the Departinent of Agriculture and


 Wicklow. Mr. Forbes is also to deoote his atten- berta, I believe, the composes pursuing, in Al-
tion to advising, and even superintending the mutual friend the Feditor so iorcilly emphasized actual operations of any farmers who have waste in a recent issue) the dignified industry of farm
land they desire to plant. Inder the arrange- ing. Of course, there is nothing land they desire to plant. Inder the arrange- ing. Of course, there is nothing very peculiar in
ments made, all that the farmer has to do to than sotting, out rom the heaten track to make
obtain the expert's advice and wersonal atton the most of his lif. obtain the expert's advice and personal atten the most of his life, but the especial circumstance
dance is to send in a request for same to the I) under which this particular vounce partment and to share a portion of the expense arrived at his deceision are not antogether on a
Between one thing and another, it will therefore par with an average casc. I think the forestry in Ireland, even though the state dom who have have a corions , whect on the farmers

 a timber famine is looming in the near future: and no wh. hac a rivht ho thame business best,


matter of option for us in these countries to at them ; rather, it is supremely important. Would that this aspect of the subject were more forcill PURE-BRED STOCK BREEDING
years in Irish farming, but one which chancen times and conditions have rendered necessary not to say eminently advisable-has been the marked expansion that has taken place in the number of breeders of pedigreed stock in the pure-bred herds, flocks and studs could be pointed to as isolated examples, there have now sprung up dozens and hundreds of nurseries of high-class
and well-bred pedigree stock, possessing the elements of success and progress. In in them perhaps, has this development been more notice able than with regard to the Shorthorn cattle,
whose popularity here, as elsewhere, shows no signs of waning. hy way of parenthesis, and no an example of the hold which the breed has ob tained in this country, it may be mentioned that, Agriculture during 1905 for service, to impt of the country stock, no less proportion than 602 were of the Red, White and Roan breed, the 69 Herefords Or only 104 Aberdeen-Angus and the estimated totals of bulls serving cows ing are land during the same year, the respective figure being: Shorthorns, 10.689 : Aberdeen-Angus 327 : Dexterds, 950 : Red Polls, $142 ;$ Kerries cross-treds, 4,250. As may be gleaned, 67 such comparisons, Shorthorn herds are now from
numerous throughout the numerous throughout the country, and a fact tha atification is that our trish
breeders are proving succes breeders are proving success
ful in obtaining a goodly share of the patronage o
the South American the South American and
other foreign buyers other foreign buyers whose
operations have breeding business made the
bo profitable for our sotch and
English friends English friends, Scotch a and
in point, relerence may be made to the ract that, dur-
ing the second quarter this year-the three months
ending with June 30th-over
80 1rish-bred America. exporled to sish-bred Seuth and Dexters have Kecently
been sent to New Kealand and Sustralia, while Zealand
one of our leading Irish flocks of by Mr. Fi. F. Hi. White, in
the Queen's County, has lately had purchasers from ng directed to our shores, gives to our Irish hoped, will foster a striving to produce the highrhe status of the agricultural in under which this particular young gentleman has ment will haverage case. I think the announce-
as a matter worthy of comment. Every cou
in I Ireland, with the exception of a few, has
its agricultural the its agricultural instructor. At first these me brunt of the actual-and sometimes not bear the
ant or encouraging-intercourse ant or encouraging-intercourse with the farmers. nature, while the average salary attacked to the
office is $£ 200$ a year of the matter, however, is that none of them, a instructors, notwithstanding the importance of advancement, while up at headquarters in Dutial the most humble and indolent Government Clerk can go up a sure scale of promotion, und at the working and industrious instructor, The hard different level, and a few months' notice is suffi cient to bring his services to a close. True,
few promotions have leen made to the permanent few promotions have been made to the permanent
staff from the ranks of the instructors, openings are not to be relied on, and hence, not-
withstanding the possille withstanding the possible inconsistency indicated,
it is only natural, aiter all, that a man of developed intellect and practical and scientific of deaining should seek an outlet for his abilities in a
direction that affords more prospect for their
fullest and best reward. fullest and best reward.

Incidentally, the foregoing leads me on to an
It will not, o many readers of "'The Farmer's Advocate", to learn that the Canadian Government authori-
ties have long been keeping the recources ties have long been keeping the resources and
possibilities of your country well before the Irish people, with the oblect of encouraging emigration During the summer, at most of the principal
Northern shows, it is anding emigration Northern shows, it is customary to see an at-
tractively-arranged stand exhibited and presided over by the Government representative, Mr. specimens of grain and other products of Cana dian origin. Literature of an interesting and nstructive character is freely distributed, and in pressed on such of our people as have thought trying their luck across the seas. The very large number of Irish men and Irish women that have
adopted Canada as their new home within past few years, shows how successiul have the the results of this method of advertisement. In Dublin, also, the Government of Canada have
centrally-situated and comfortably ments, where 1 have seen from time to time martinteresting specinens of Canadian fruits and other products. This branch has been in charge
of Mr. John Welster, who has been keenly alive to the important character of his work, and has always been willing to supply such information as his position enabled him to give to enquirers As a lecturer on Canadian life and prospects, Mr .
Webster has frequently been heard in Dublin and Webster has frequently been heard in Dublin and
surrounding centers. It may be of interest to record that Mr. Webster has lately been trans-
ferred to Glasgow, and the rumor has been ferred to Glasgow, and the rumor has been
afloatuthat this will be foliowed by the closing of
the Drblin office been made, but it is believed in the best-iniormas quarters that this is most improbable, and that
when Mr. Welbster's successor is appointed the when Mr. Welster's successor is appointed, the
work of the office will be carried on as before. It
would would, I fancy, be olviously injudicious that
things should be otherwise, especially at the pres-
ent iuncture ent juncture, when we are practically on the eve
of a vear which is to witness what I may boldly
describo hibition that has ever been held in Ireland the great likelihood is that the rumor above r
ferred to is altogether unfounded. Of the exhio tion in question I hope to have something ,
in a coming letter.

Grain for Seed Improvement.


Angel Midnight Compt ALV fellow. Later varieties: Selected Leaming, Larly ing during these months, they will, under proper POTATOA White Cap Yellow Dent. Mand mangement, give more milk than the same cows Prize, Rochester Rose, Moneymaker and White uritan.
Only hence if an individual receives a sample of apticant, he cannot also receive one of wheat, barley or
potatoes. Lists of names fre potatoes. Lists of names from one individual household, cannot be entertained. The samples will be sent free of charge through the mail. Applications should be addressed to the Directsent in any time before the 15 th of February after which the lists will be closed, so that the samples asked for may be sent out in good time
for sowing. Applicants should mention variety they prefer, with a second mention the ternative. Applications will be filed in the order
in which they are received in which they are received, so long as the supply
of seed lasts. Farmers are advised
Fat early, to avoid passible disappointment. to apply applying for Indian corn or potatoes will please bear in mind that the corn is not usually diease
tributed until March tributed until March, and that potatoes cannot
be mailed from here until danger from be mailed from here until danger from frost in
transit is over. No postage is required on mail matter addressed to the Central Experimental

## THE DAIRY.

## Feeding for Winter Milk

With the increased price being paid for milk dairy produce in general, the question of making milk in winter is one of greater importance. It by giving profitable work to farm labor at a time when, otherwise, it would be impossible. With the disappearance of the woods and therefore that soct of work, other employment must be found five months of the ycar, live in idlenss they are paid
proportionately proportionately higher wage when they do work
(but that is another said a (but that is another story). Under proper con-
ditions and businesslike management ditions a and businesslike
dairying is very profitable. is, however, in proportion to the way things are managed, and to this end several things are
requisite, such as good, comfortable stables well requisite, such as good, comfortable stables, well
lighted and well ventilated, with water inside Cows must be kept in nearly with water inside. cows, a good supply of suitable feed of a succu-
lent nature, such as ensilage and roots bran meal, are required, but a great saving bran and costly part of the ration a can be mat maving in this a plentiful supply of ensilage and roots, that can
be grown on the farm, and are therefore had at be grown on the farm, and are therefore had at first cost. All these things are absolutely neces
sary before the best of dairymen should under take having the larger part of their cows fresher in winter A poor caretaker-one who is no
methodical and regular-is of little use in winter dairying. Having laid down the law for winter dairying will proceed to give some of the whys and Ninder proper conditions as to feed and care. November and INecember are the very best months
of the whole year to have covs ireshen


An English Dairymaid.
with ensilage and. straw, and some roots, we have
a cheap maintenance ration and more. The amount of meal and bran will depend upon the pounds daily. A cow producing fifty twenty milk daily will require fifteen pounds daily, while cow can and has produced over 80 pounds on eighteen to to twenty pounds. When feeding the oil cake, twelve pounds bran and six pounds oat chop, less ensilage is fed. A cow does well on a ulky ration, but there is a limit to her capacity, the bulk.
it is important to be methodical and regular day can be divided as to milking the nearer the day can be divided as to milking hours, the better.
We will, therefore, plan to milk at 5.30 a take one hour to finish. Then ensilage is fed, and whatever meal is fed is put upon it. The After that is disposed want some breakfast, also. Ahtere cows that get roots. There is no advan tage in cutting them, and the labor might better
be saved. The mangers are then filled with be saved. The mangers are then filled with straw, if it is good. Stables are cleaned, and
bedding shaken up. Cows lie down, things comfortable. After dinner a small feed of hay is given, the straw that is left being put under for bedding. At 4 p.m. feeding is commilking; and if there are roots to be fed, it ca be either done alter milking or just before. That Why should day
cows can get it at any time? cow requires a very large quantity of water to properly assimilate and digest her feed-from 125
to 260 pounds water daily. the latter amount to a cow giving 85 pound milk testing 3.6 per cent. fat, daily for a week it will thus be seen how necessary the water question becomes. Further, it is the " nater o Too much cold water given at one time chills th Kow, and acts as a physic, even if not cold Knowing this, when a cow is constipated afte parturition, by giving her a big drink of warm
water or a very wet bran mash soon after par urition, it moves the bowels, and is an aid; at ther times it is an injury. Common sense will ow's feed, its succulency, and the nature of the of water required, the cow should not be out in he cold. Standing around a yard is not exerVery little motion when a cow is full of feed will tart her scouring. When a cow is not on full eed, just before parturition, then half a mile, or els moving walk will do her good, keep the bowudder. After paturition, exercise is harmful; she wants to be then treated like any mother. Like a patient, her stomach is weak, and she requires light nature until her stomach regains strength and tone. It may be ten days, two weeks or three weeks before she is gradually worked up to
There is no such thing as "forcing "a cow
for a record. Just as soon as the stomach is overworked then it interferes with her doing her
best. A cow may not be fed enough may be fed too much. Hard-and-fast rules cannot be laid down when it comes to fine work in feeding, but much depends upon the judgment and
common sense of the feeder. Exercising common sense, considering cow habits, the nature of her Brains are valuable nowhere more than in dairy ing. I should perhaps add that, whilst a cow should advisable to keep her too warm. We cannot lay down any certain temperature, but cows will
do very well in a stable in winter with the do very well in a stable in winter with the tem-
perature at 50 degrees, or even 40 , if the air in perature at 50 degrees, or even 40, if the air is
fairly dry. A draught is bad for cow or man Dampness also shows lack of ventilation. Owing to the large quantity of rough feed which she re reasons, she requires plenty of air. Salt is an aid to digestion. Too much salt is a physic.
Some cows require more than others; about two Some cows require more than others; about two thrown on the feed or after feeding, but the stat of the excrement wili be the best guide. If to loose, less salt, and vice versa. In fact, the hind the other end ; and the experienced feeder watches

## Good Feeding for a Good Test.

 2ue., under the Dominion Department of Agricul ture, 205 cows were tested; average yield 383 lbs .; average test, $4.3 \%$; average yield16.5 lbs Herd No. 27 , containing 16 cows 125 th s. of milk, averaging 4.7 per cent. fat highest individual yield being 925 lbs., testin
the best averages was made by herd 27 . This not safe to return a patron's milk, as they would
month it is again one of the best. The owner be likely to go to another factory writes : " "I feed grain practically the year be likely to go to another factory next day round, except for a short time when cows are dry, took part in the discussions. in quantity what their milk yield and condition well pleased with the past season's dairy busi seem to warrant. In summer I use bran and
corn meal. In winter, in addition, I meal, linseed, oil meal, and ground barley. In winter I have ensilage, with early cut clover and which is very poor, I use soiling crons pasture, first clover, then peas, oats, vetches and for them, ond-crop clover, and last of all green corn.'

## Cold Storage for Cheese.

On Nov. 22nd a District Dairy meeting was held at Listowel, about 30 persons being present, as chairman Association of Western Ontario, acted six in the district received instruction. The in structor made 110 visits and 81 calls. During
the season, $\$ 1,630$ the season, $\$ 1,630$ was spent in improvements.
Chief Instructor Barr complimented the makers and instructor upon the splendid quality of cheese turned out during the season, especially during the fall months.
cool-curing rooms. this subject by Mr. A. T. Bell, of Tavistock, who remodelled his curing-room during the past sea-
son. The room is now 25 tu32t 8 in. ceiling, and will hold $750 \frac{1}{2} \times 32 \frac{1}{2}$ feet, with 9 it. shelves, with room at one side to store a carload of cheese when boxed. The icehouse is
$10 \frac{1}{2} \times 24 \mathrm{ft} 10 \mathrm{in}$. The repairs were not completed until June, when the ice was taken out of another icehouse and put into the new one, only
filling it about half full. Notwithstanding this ness, and well they might be, as nearly all October chese for
GEO. H. 1 BAR

## POULTRY.

## Poultry Houses.

The poultry houses I have seen on man the farms in Ontario are mostly of two kinds-those chat are small, poorly lighted, and seldom
cleaned; and those that are well built well The last-mentioned houses moderately clean. satisfactory than the first. are not much more The essential poin light, dryness and good ventilation. The houses that have been built warm and tight, with the
dea of keeping the water from objection that in nearly all cases the ceilings and Whalls coat with frost during very cold weather you have a very damp house the frost melts, and of chickens, or, in other words, The house smells lated, and in many instances the chickens are healthy. Sometimes they lay well during the purposes. For a number of years we have been trying to and some way to overcome these difficulties. The est mea ventilating a house that I kno of is by using cloth screens, and to keep a house othing better than


Up-to-date Poultry House at the Ontario Agricultural College. with extra protection along the north wall behind the roosts. Straw loft ind
overhead. he was able to keep the temperature constantly to favor. Under ordinary
at 58 degrees during July and August. The total house needs to be one-third of
cost of changing his ordinary frame cost of changing his ordinary frame curing-
room into an up-to-date cool room was $\$ 810$. Mr. Bell is greatly pleased with the results $\$ 810$. quality of the cheese, more especially in the tex ture. He thought it better to have a in inoper
curing-room at the factory than central curing-room at the factory than central curing
cooms.
Mr. Ballantyne emphasized the necessity if
ool-curing rooms by giving the results of some cool-curing rooms by giving the results of some
shipments of cheese from the Woodstock Govern ment cool-curing room. He said we must have ven temperatures.
Mr. Jas. R. Burgess, who has been instructor on the Listowel district for the past two vears regard to cleanliness, tidiness the factories it egare was a greatiness, tidiness, and equipment orm methods of making cheese. Overripe and tanted milk were the greatest defects in the
listrict, he said. osed change regarding instruction work for 1907 , and, after discussing the question thoroughly, the
ollowing resolution was passed :
a That the proposed change in the Dair. I aw aking the Instructors Sane in the Dary Inspectors, aw
asp
xplained by Mr. Barr, meets with the approval xplained by Mr. Barr, meets with the approval
of this meeting, on the understanding that no onn. of this meeting, on the understanding that no on
ut thoroughly-qualified dairymen be eligible f...
he position. and are approved hy the Dairymun ut thoroughly-qualitiod dairymen be eligible i..' Kssociation of Western Ontario." of those press
It seemed to be the feeling It seemed to be the feeling of those pres can be closed or opened be put on frames which eonditions. On nice bright according to weather it is an days which are very windy and dut the houses whase frame or sash. as much cold
stightly least, in higher mine cotton frot


 hould to have the pen well the front of glass, cotton. The cotton much more of the front of rames it can be hung the curtain is put on the nice, bright and airy. This makes the pen
on nearly all days than one is opened theren open one screen. If dore fraughts throughout the is apt to be too many ordinary will keep out almost as as we can we have a similar mimum temperature than get a that in the It must the horne in glass front and made, the windows sof curs, where the tests are
where floors ari Then to keep th. How. wall Claned, should be outside the hums and the common herpine then "ran the land tro, needs patrons and territory. In some instances it was and whashed and
apt to leave the house entirely too damp for the
coming season. It would he spring or summer.

## Egg-eating and Its Cause.

How often are we apt, in our short-sighted
way, to blame our stock for certain bat way, to blame our stock for certain bad practices own defective management. No greater instance although a bird may in time become a confirmed egg-eater, ard no amount of attention will pre-
vent the habit, except abstracting the eggs from vent the habit, except abstracting the eggs from
the nest immediately they are laid, yet in the the nest immediately they are laid, yet in the
first case it is invariably induced by a natural craving for something which is not within the
bird's reach. bird's reach.
Now, this craving, says an Australian ex-
change, is, in most cases, for lime, with which change, is, in most cases, for lime, with which
to form the shell of the egg: both animal and vegetable foods consumed by birds when in a wild state, and possibly under such conditions sufficient is obtained, or nearly
sufficient, without recourse to mineral for the original wild hen laid, perhaps, 25 to 30 eggs per annum, instead of the six or eight times as many which we would fain have her produce now. And even then she could roam over a large less bits of limestone, quartz, or broken shells, which helped to supply the small drain on her has, in most cases, been searched and searched again for shell material, which is, therefore, hard to obtain, and the consequence is that we find Soft or thin shelled eggs, that such eggs are in-
voluntarily dropped, or-worst of all-that some
ale picked In most cases the real evil begins before this stage is reached. Just as the frame of the cow
becomes weakened to provide the becomes weakened to provide the lime constituent
in milk for her offspring, so does the constitution of the hen become exhausted to provide material for coating the egg; and is it any wonder that she endeavors to satisfy her craving for this con-
stituent by attacking the egg itself? Then she stituent by attacking the egg itself? Then she
finds out that the contents are appetizing; that they also supply protein-of which she may also be in need-and so the hahit grows upon her of
picking at her own and other eggs, and she bepicking at her own and other eggs, and she be-
comes a confirmed egg-eater. We cannot tell exactly wh in want of lime, nor can we gauge the exact quantity they require. More is required with
some kinds of food than with others and Some kinds of food than with others, and especial-
ly is there a great demand when the hen is in full laying, or just before she commences to lay A tin or box, rather deep than flat, so as to prevent scratching, can be attached to the fence or
side of the house, and a good supply of grit alSide of the house, and a good supply of grit al-
ways kept in it. It will want looking to very frequently at this time of year, fook it is to vondery
ful how it will disappear when hens are in full laying.
Grit, as grit-that is, an aid to digestion-
always plays its
crockery, it contains no lime. But though sili con has no place in the shell, it is often a mechanical aid to digestion, and enables the hen
to extract from other food the lime constituents that she so much needs. In fact, the first essential to sound eggs is good digestion, and the next
the necessary material for formation of the egg-
shell

## The Sheffield Egg Market.

Eggs are from 2 s . to 3 s . a great hundred (10 ing period last year. The best foreign eggs are larger than the same kind of eggs produced in this country. The recently-issued returns show
that the imports for the first nine months of this year were 1,631,418,120 single eggs, costing £4,--
855,720 English eggs, as a rule, are cheaper 855,720 . English eggs, as a rule, are cheaper
than foreign eggs of the same quality, the latter than foreign eggs of the same quality,
being larger and more carefully graded
A very
into nory large part of the Canadian eggs shipped of the best egg markets in Great Britain; in one there are many more eggs sold in Sheffield anside of London). This has long been taken advantage English egg-shippers, and it is said that there is
no home firm of any repute which is not sented in Sheffield. The popular demand in Sheffield is for small-sized eggs, either glycerined
or direct from cold storage or direct from cold storage. Sheffield, s. working
classes form such a large proportion of the lation that it makes it an excellent market for small-sized eggs of good quality at cheap prices.

## Fresh Air for Turkeys.

The scarcity of our great festive birds should stimulate all producers to do their best to oververy profitable at present prices. siderable reduction in prices they, would pay, but the probability of lower prices is not very great. roosting; the higher the wind and the -outdoor upon terature, the more inclined are they to roost to roost highest object in sight. When permitted shed, breeding stock seldome their food in a If the breeders are hardened and sound in constitution, half the battle is won in raising the gin life. It is a bad practice to allow turkeys to freBesides being too cramped and confined for their health, they are objectionable where one is trying not do well where they are constantly disturbed and fought back by the turkeys. In Manitoba turkeys winter well and maintain excellent health in an old straw shed where
the thermometer ranges as low as 30 or 40 de-
grees below zero. This I had the privilege of
observing during more than on the coldest night the old tom would insist upon roosting on the ridge-board of the highest roof on the place. So we need not be afraid, in
this country, of their freezing, but trary, all the exposure they can get here is no more than a tonic to the constitution, which is indispensable.
The only thing The only thing to guard against is irregularity.
For instance, if they are For instance, if they are housed during fall, and
hecome accustomed to indoor life, it would be unSafe to permit of them being out in a cold storm. The better way is not to let them become used to In their native haunts they have no warm and
fancy houses.

## GARDEN 觡 ORCHARD.

## Ornamental Hedges: What to Plant.

 The two best evergreens for a hedge are White Abies American Arbor Vites and Hemlocl and are close pruned, and far superior to Norway Spruce which so many attempt to make into a hedge. Norway Spruce is excellent for a wind-break, but does not stand pruning well. The California Privet and hedges, and These can be $k$ desirable. neeessary, or down will immediately come up again Yna, and they this with either the cedar or hemlock. The foliage of both these Frivets is very fine, and remains fresh and green well on into the winter. In planting a hedge, set the plants nine inches to ing, so that, preparing a good bed before planthidges that they will be thrifty. We often starving for plant food kept hedge should be pruned every year. A wellevergreens should be allowed to grow just a little higher and wider every year. When pruning, use prune without a line to guide you. Don't lo them get too wide, and give the top a roof shape, slanting each way about the same as one-third to hedge adds very much to the appearance of of a farmhouse or town property. A neat and of a combination would be cedar or hemlock for the sides and Privet for the front or along the road-side. The plants can be bought very rese Side. The plants can be bought very reasonably
from any good nurseyman. In ordering your plants about a foot to fifteen inches high, have a nice hedge and cared for, you will soon have a nice hedge. Don't fail to mulch well mulched for a couple of years. After that well will take care of themselves. J. S. PEARCE.
London, Ont.
Parks Supt.

Standard Grand Trunk Railway Train.' 'Longest Double-track Railway in the World Under One Management.

Maine Fruit-growers in Session. State Pomological Society was held at Harrison Nov. 13th to 15th. Hon. Z. A. Gilbert, its president, occupied the chair. First, reviewing
briefly the history of the Society, he said that but three of the pioneers in pomological work were alive at the present day. The $\$ 1,000$ an
nually appropriated was judiciocly nually appropriated was judiciously used, and
the Society was enabled to carry on its work. The apple industry had developed from limited production thirty-three years ago, to a million and a half barrels a season of market apples. The attention given the instruction of the So-
ciety was manifested by the greater number of orchards under cultivation, the increased yields of
the bearing the bearing trees in all parts of the State, and the fact that making the orchard a leading feature of the farm, instead of a side adjunct, would
materially increase the farmer's income brown-tail moth and gypsy-moth situation continued about the same as last year. He advised continued activity against their encroachments
and commended the work of Commissioner Gilman Secretary Knowlton called attention to a bo of apples from Hood River, Oregon, procured fo an obiect-lesson in packing and gradin named, exhibited by Miss Bernice Wounted and specimen mounts of hrown-tail and gypsy moths which told the life-history of the pests, by Prof m. Power
the Society of the greatest educational value L. White, of Bowdoinham, would extend the edu
cational work into the State, rather than conin it to the meetings. In giving premiums, he would like to see fruit judged by a standard of per fection, and would give the preference to fruit or worm-holes package.
That one should always be trying to find Nomething better, was the idea of J. W. True, o apple than the Baldwin. Several speakers declared in favor of more
State funds to advance the fruft interests " Worn-out and Abandoned Farms in Maine," was a paper written hy Prof. Munson. An ex
tended trip in the West had only confirmed his aith in Maine as an orchard State. Abandoned of the opening un of the West, the selection of sites that proved unsuited to agricultural purperson running it. These ahandoned holdings were not worn out: there was plenty of plant
food, if properly treated. Lack of humus, lack
of plant food acidity neer of till of plant food, acidity, need of tillage, need of
drainage. were assigned as reasons for land being worn out.
The lad
Wednesday evening, attended by nearly all the pomologists.
In the election of officers, the only change made was the choice of C . D. Wheeler, Chister-
ville, as member of the Fxecutive Committen in the place of C. A. Arnold. F. L. Lincoln re-
ported $\$ 700$ in the treasury. D. H. Knowlon. secretarv, spoke of the high
nrices of apples kent in storage, and the general
increase of the apple inductry The subiect of a standard packing-hox came in $10 \times 11$ inches and 20 inches deen. which would
hold about 44 pounds The President if the growers were ready yet to perform the
extra work necessary to grade and pack. and the extra work necessary to grade and pack, and the
question was tabled. The President. Secretary and Fxecutive Com-
mittee were appointed a committere to confer with representatives from other societios to hring he
fore the Legislature a request that money he aporchard work and the raising of corn
Dr. GG M. Twitchell had charge of the matter relative to securing a fruit marks act similar to
that of Canada. Agitation of the mattor in dif
ferent Statec had strencthened hic ferent States had strengthened his opinion that sary before any decisive action could hon to si
cure hearty co-operation, and the same tee was continued. Gulley, who had prantion in
Prof. Alfred G. Gill five States, advocated spraying with vercactice. The lists of varieties of fruits and
 entrance of the San Jose scale unless rigi were kept, as it is a most insidious
did not think our climate cold enough a preventive of its introduction. a preventive of its introduction. Experim
thinning had shown that efforts to chan
bearing year of the Balwin, or to make it bearing year of the Balwin, or to make it an
nual bearer, had been unsuccessful. with
nul Nonsuch the result was fairly satisfactory,
the Fall Pippin had been made to change hearing year. He advocated thinning f
financial standpoint. The characteristics financial standpoint. The characteristics of
trea upon which grafte were placed did not in an
fruit centerc from which prevail in the dimen
vividly duceribed ine AtlanticNre frui inspectors,
mactment Cann
way affect the individuality of the fruit. In in the extreme East and west must now setting an orchard, Prof. Gulley advocated packed according to the same standard of qua nursery rows, resetting every two years until the
tree was ten years old, when it she in its permanent position. As "fillers "for the orchard, he would use the McIntosh Red or the
Wealthy could easily be reset, rather thans. The trees would lop off a limb at a time as it interfered With the growth of the permanent tree. He beW. "The Massachusetts Man on a Maine Farm, W. O. Breed, praised the outlook for Maine and grass cannot grow together on the same land. The best apples come from orchards wher hogs work. Windfalls must be destroyed, els pastured in the orchard, the land should be are vated.
"Why Not Grow More and Better Fruit in
Maine ?" was answered by William Craig. Much land well adapted to growing ailiam Craig. Much to waste, and trees already set were not properly cared for. He wondered why, in view of the fact sary, and advoncal returns for the work neces young to increase the orchard area in Maine the Tr. Twitchell had for his topic, "What a Tre Told Me." First, that it was hungry; second, its load of and thit, and lonesome. Feed it, thin not too many; it will hear well, and store vitality for future growth and production.
Prof. M. J. Dorsey of Maine University Ch of Horticulture. handled the cold-storage probperiments, he figures from personally-conducted exstorage as compared with the cellar: set forth the "glut "g is of not having to market when the tion period, and the special adaptahility of the apple to cold storage. He showed that delay picking after it was ripe, entailed and delay in did also carting long distances, and pouring into woxes or harrels. Another point in its favor tacles, and sorted and put in, temporary recepsale. Tt had heen demonstrated that time of tion in building and maintaining cold storage was
feasible in other States, and he recommended it for Maine. iects considered was devoted to the ladies, the subChoice Dahlias in Maine, and Home Tndustries for designed to help the pirls The latter paper was and the lines surgested were, \&reenhouse work.
raising small fruits, poultry-raising and puttin, raising small fruits, poultry-raising, and putting
up iellies, fruits and pickles. ranged than that of last vear. 100 competitors in all departments, and over 400 first prize falling to S. Hor Satate exhinits, th
plates: the second to Marrison Ovir 20 specimens in iellies, Arescrves and niates
were shown. Resides his apple exhilit. Mr
Dawes showed 21 nlates Dawes showed 21 plates nears. 10 of ofhit. M
of plumes. 1 of peaches, and 1 of Finglish walnu

## Mnetirultrimal Dengrass

Owing to the chance in the date REIDRTS fiscal year and the early session of Parliament, it
became necessary hecame necessary to prepare an interim renort of
the Fxnerimental Farms. This report has iust
heen pulliched anl mation, heing, in a large measure a coluhle inforhy the director and offcers, of the work domerv in
the different departments. and of the resulte experiments since the exnerimental farms svstom
was organized, ahout twenty years aco
nresent then
 are included an account of the expegiments which
have heen conducted with fruits. verent
est trees and est trees, and ornamental plants, with the results
olitained and the conclusions reached
iort should thert should prove very useful for refurence, re(in many of the problems met with in horticultur-
al practice. The lists of varieties of frits and
vereftables recommended will be of considerable Alw. McNeill, is included in the report of the
Hairy Commissioner for the Dominion of Canath
1.inf. which has racontly


and shipped in packages of uniform size,
while the convictions which were made last are 50 in number, showing that Canadian to prove that it is rapidly improving. Somed
Somen the most important chapters in this report are "Method of Inspection,"" Statistics of Inspec tion," "Transhipment from Cars to Steamships," ing,", "' Grading,'" "'Storehouses,", ". Co-operprative
Handling of Apples," '/ Local Inspection ". "Con

## The Fruit-qrowers' Meeting.

I was very much pleased with your very full growers' Association of Ontario, in your issue Nov. 15th. The only point that I take exception amendments to the Constitution You state that the amendment placine the financial year at Dec. 31 st will tend to make the Association a closer cornoration than hefore. Our rensons for asking for this change were, we con-
sidered. sufficiently strong to warrant the change. The directors have, in the past, held hut enge meeting during the year, viz, at the time of the had they then to close in consequently, not only also to plan for the entire year following thi is practically an impossibility at such a busy of the Association has falmost the entire work which is not as it should he on the Fxecutive of the Association are falsely renresented by the s the henesented at this seasn of the yea mediately following the annual meeting in im show. A large balance has to he held the fation this outlay, and the finances of the Asso ing condition while he in an exceedingly flourish The carry on the work that we consider necessunds. away with the fall business meeting not to do an additional directors' business meeting in Tave uary. When the work for a news year can in be prop
erly planned. At the full Association the fall the reports of the committees will hisented as usual. The President will deliver all othual address on the work of the year, and the past. Rut the hooks of the Treasuré will hy the Minister of Agriculture until December will he that the new Roard, at its first meeting condition of the funds of the Association, and T trust that this explanation will clear mat
P. W. HODGFTTS. Secretary.

## THE FARM BULLETIN.

Montreal's 1906 Trade.
By Our Montreal Market Correspondent.
The season of navigation has now closed, and
the last ship has gone. he last ship has gone. The records compare others, with those of previous years. Exact re-
turns of shipments from availahs of shipments from port are not yet fully in a very short distance of the mark. It will be observed that cheese shipments are considerably
larger than hitherto larger than hitherto, and that butter considerably

ing off. as compared with flaxseed show large increases, but thereat and narked decrease in larley. The number of oceangoing ships entering port was 815, against 833 694 previous season, but the tonnage was 1,962, makes a good showing, hut it has not much to The following compared with the previous season ments, as compiled to dately the Montreal Board | Wheat, liushels | 1906. | 1905. | 1904. |
| :--- | :--- | :--- | :--- | :--- |
| $13,410,218$ | $9,916,687$ | $7,507,266$ |  |




 main mom1250,609
80,117$\begin{array}{rrr}104,455 & 2,08,3,715 & 2,069,089 \\ 223,294 & 334,071 & 221,046 \\ 13,983 & 15,414 & 10,095\end{array}$$\begin{array}{ll}316,412 & 540,234 \\ 438,178 & 507,913\end{array}$
porta
To
Tortic
art

## December 6, 1906

## Canada's New Tariff Moderate.

## Finance, presented his eleventh annual budget to

 the Dominion Parliament, and submitted his sec-ord important general tariff revision having been in 1897. After setting forth a most encouraging financial statement, in the course of fiscal year, ending March 31 abs, 1907, a revenue of
$\$ 65000$ oof $\$ 65,000,000$, a consolidated-fund expenditure of
$\$ 52,000,000$, and a $\$ 52,000,000$, and a capital expenditure of $\$ 12$, ordinary expenditure, and $\$ 1,500,000$ to 000 over reduction of national debt, he proceeded to discuss is newly-revised tariff
One new tariff, like the one it supersedes, is
moderate, and slightly relieves the ers by several judicious reductions. The attitude of its framers towards manufacturers was happily expressed by the Minister in the words, "We all agree that we should like manufacturing industries cost too much.
The first noteworthy feature of the new tariff schedules of duty. The lowest is the British pref erential one. The highest is the general tariff,
come at once into force a all countries not enjoying the British preference. The third schedule is an intermediate one, and
does not come immediately into dictation merely a proposition to hold up to foreign countries who are invited to enjoy its privilege by offering to Canada a quid pro quo. The Governor-in-
Council is to have authority to negotiate sum b arrangements informally (therefore but temporarytent on occasion arises. More permanent arrange
mint the same basis may be effected an ferial treaty, in which, of course, Canada would The British preference, which used to consist of a now provided for by a column setting forth the precise amount of duty on each article. This is
simpler than the old plan, and avoids the frac-
tonal calculate that have arisen, in practice
The wording has been simplified somewhat and the various schedules more simplified somewhat and
Following italy the new classifictiction. 1. Animals, agricultural products, fish, food
products. 2. Sugar, molasses, and manufactures thereof
3. Tobacco and manufactures thereof. 4. Spirits, wine and other beverages.
5. Pulp, paler and books. 6. Chemicals, drugs, oils, and paints.
7. Earths, earthenware and stoneware.
8. Metals and manufactures thereof silk, wool, and man, hemp, mutates and other fibres, A restriction has been placed on the free om-
proration of certain goods for special purposes To prevent abuse of the privilege in cases of
articles which might be used for other purposes than purported, it is provided that the purposes such t will be collected, and a drawback of 95 per
cent. refunded on proof that the article has been Used for the purpose intended.
The new dumping clause provides that the
dumping or special duty shall equal the difference betwing or special duty shall equal the difference current price in the country of export, tut not to
exceed 15 per cent. of such market value. A slight change is announced in the anti-
compline regulations.
Coming Coming to alterations in the schedules, one of
the more important is an increase in the duty on raw sugar of 12 cents per cwt., under the e general
tariff and 7 cents per cwt. under the preferential. St he duty on refined sugar remains as before.
an effect will he to lessen the protection enioned
the sugar refiner, thus increasing the revenue crossing prices of refined sugar to the consumer. Thu duties on glucose and syrup are reduced from
50 cents to
35
cents

 iron and rolled iron or steel used
the manufacture of such articles sold
canada The duty such Canada. The duty on windmills is re re-
"u red from 25 to 20 per cent. and there are ri-
line reductions in several unimportant articles. nothing of a grandstand play was the placing
oranges, lemons and limes on the free list. \& is held up as a bon to the farmers of the As a matter of fact. these fruits are of
nature of luxuries, and might letter bear the

THE FARMER'S ADVOCATE
$\$ 200,000$ of revenue they yielded last year th many other articles on which stiff imposts are
maintained. The notorious application for thirty-per-cent. duty on tin plate was wisely turned est is A provision of more or less general interest is one making for a continuation of the iron
and steel bounties on more liberal terms
A One-story Cottage.

Hor, is shown in the illustrations of this issue as there are no stairs to climb, thereby saving easy,

$\frac{\text { good many steps in the course of a day's work }}{4}$ attic, and the stairway to provided, however, to
underneath is is is directly underneath it if bedrooms were constructed in already in position, and no alterations would be required on the first floor. The bay window on
the side is a large windows possible in the and makes three house of this character can be easily heated. ${ }^{A}$ furnace, and at considerable less expense than a
two-sto cio-story house, as there win be no need of for porch in the front forms another very attractive



I size, and nicely proportioned. I would suggest
that the parlor be finished in birch, and stained to imitate parlor be finished in birch, and stained
to ing, and that the dining-room in finished in oak and stained very dark, either
in Flemish or Mission style. White enamel a very suitable finish for bedrooms, especially if round, are stained to imitate mahogany, quarter oak floors should be used if the above finishes are adopted. My estimate of the cost of this house, if built along the above lines, including plumbing and furnace, is $\$ 1,300$; but this will vary, ac-
cording to localities.
GEO. S. KINGSLEY.

Fair Dates for 1906.
Maritime Winter Fair, Amherst, N. s........................ $1-8$

The "Bones" of the Binder for soil that the season for using implements thrifty man will see that all crops is over, the well cared for. It is an indisputable fact is more farm outfits are destroyed by neglect than by actual use. There is no good reason why
the majority of our farm imply the majority of our farm implements should not
last the owner a lifetime. Of course, abuse will last the owner a lifetime. Of course, abuse will
send any machine to the rubbish heap in short order, to the farmer's loss and vexation. Many der mercies of the straw leave his cow to the tenstraw stack fails to see that
he is losing good money
every winter or fall day
that his binder is left protected only by an apple sight, of an evening, unusual to see the win-travelled roads, conveying to the city Jew loads of old iron, prom hent in which may be seen er's binder or hay rake mower. One witnessing such a spectacle, is com med to muse upon how ut of the farmer's neglect. It is our duty, here and now Each implement care ul housing of the implements gone over in detail, and either repaired now be that the th in position and memory in such a way implement is needed be all made long before the of all machinery, must be guarded against at any cost. Worn-out paint should be applied where thing weak parts should be replaced, and everygood as new as can be. implement as nearly as There are some who will tell you that the be Let those wis, but that they haven't the time. they can who talk in this way ask themselves if of the value of their chattels every winter. Yet. see that that but stop and think, they will estimate to place upon is not an extravagant ing their io place upon the deterioration overtakeThere's no use saving at the tap while wasting at
the bung. Many of us wonder why we don't get
on. The reason is that profits on. The reason is that profits are allowed. to
slip away on account of carelessness and neglect.
Wentworth Co.

## Shorthorn or Durham

Editor "The Farmer's Advocate": able paper commenting on some people persisting in calling Shorthorn cattle Durhams, when all should be called Shorthorns. tinguish between the two how are we to distinct types (or a name for each color. Take be proper to have own case. In reading over the for instance, my Shorthorn breeders, I see they all advertise any one breeder's and I cant tell to which type red stock so well, I would not buy a roan Short horn at all. And yet I can't tell where they are the man of my opinions in breeders before I found would like to have your opinion on. Now ion, and if it is the same as mine we might get the Shorthorn Breeders' Association to settle on
some way to distinguish. some way to distinguish, at least in advertise
mints, between the two types. I am only young farmer, and have not yet much experience. " purchased last spring a beautiful young red "Durham" bull, with which I expect to start an improvement in my stock, and when I can
afford it I intend purchasing a red "Durham"
heifer. Sima W. H. M. history of the breed in question t had studied the herdbooks (English or American) the light of the that there never was a time when the standard color required of the cattle formerly known as Durhams, but now designated Shorthorns, was either red or white exclusively, or roan. Of the Volume of the English Herdbook, published in 1846, ten are roan in color, including "" The Durham ox," and two are red-and-white. There act of changing sense in a complaint against the
name of the breed from Durham to Shorthorn, since there are other breeds that carry quite as short horns, and the name
Durham would have been more distinctive Durham would have been more distinctive; name
red as a color does not describe the breed or the $\begin{array}{ll} & \text { red as a color does not describe the breed or the } \\ \text { Dec. 1-8 type any more than does white or roan. If W. } \\ \text {..Dec. } 8-6 & \text { H. M. prefers a red to a roan or a white beast, }\end{array}$


 he may be thankful that his favorite breed pro-
vides for his preference, and if he prefers
his red Shorthorns "/ Durhams," there is

## A Trotting Register Proposed.

 he agitation for official inspection and compu sory laws in regard to horse-breeding is not an appeal on the part of farmers generally for profarmer may not possibly lation. The average flesh, but he generally feels capable of depending upon his own judgment in the selection of a horse or service. The horse owners are the men interested, and it is quite natural that the manwho possesses ail that can be required in a should think that it would add to the general welfare of the country if the fellow with the other placed under obligations to patronize his anybody intelligent farmer's sympathy is certainly with the man who has the No. 1 horse, but he is contheir merits: and the horse thing else, go on
trades, be regulated by the law of supply and de-
mand. The farmer who breeds to a scrub horse has, invariably, a scrub mare; and, in this free country, he, no doubt, feels that it would be in-
terfering with his personal liberty if the State were to hamper him in the propagation of his for the horse industry if both the scrub horse and the scrub mare were discriminated against. But, in either case, it must not be done with a ven-
geance. Government inspectorship is sugrested geance. Government inspectorship is suggested
as a means of weeding out the unworthy ones on the side of the sires. Much may be said in its favor. The bogus certificate should be exploded, it is right and proper that the public should made aware of it. But who can tell what wirepulling the system will lead to? What inspector without his prejudices in favor of or against a
certain type or breed? The expert has not always given satisfaction in the show-ring to the ringside talent, but that matters little, as it only
involves the prestige of a prize ; but it is a differinvolves the prestige of a prize ; but it is a differ ent thing when it comes to putting a worthy
horse out of business. It would be a mistake to
posed, without some provision in the lew for
appeal. The people of a section of country appeal. The people of a section of country have
a right to say what horse is to be used in section, and where fifty or more prospective user appeai against the retiring of a horse, that should be considered sufficient reason for granting a
license. Now, a word about the road hors a particular. The race-track is ruining the road horse. In the craze for speed, size, style and action are not considered. The gait for the
roadster is the trotting gait. The Hackner the roadster is the trotting gait. The Hackney has
this, but he will never fill the place of the Stand-ard-bred Roadster. Under the proposed law, the Standard-bred will require to be registered. In order for a horse to be eligible for registration,
whose dam and sire are not both Standard he must be submitted to the test of the Jockey Associations, and his owner must necessarily submit to being considered a "sport," The racing
business has become disreputable, and before have any compulsory regulations touching Stand-ard-bred stallions or mares, the Government should first establish a Canadian National Trotting Register, and institute speed trials under the super-
ision of Government

## MARKETS.

## Toronto.

Recolpts of live stock have
at both the cilty alook have bunan high



 Exxporteri- Stererior and common. taining
shipping boats not sailing as expected, owing to changing from summer to winter port and slow of sale. Prices ranged fr
and $\$ 4.25$ to $\$ 4.65$, with only one load a per cwt. the bulk going at 84.30 to 84.5
Export bulls sold at 83.50






 $\begin{array}{ll}\text { Peders } & \text { offerd } \text { was not up to require } \\ \text { ments. } & \text { Farmers are not willing to buy }\end{array}$ as por
yuality as some bought last
A tow choice, heavy stears, 1,150 to 1,300 Is., sold around $\$ 4$ to 84.15
but these were short-keeps; steers, 1,000



Milch Cowe and Springers. -The quality of the cows offered was on as as good,
por were there as many buyers as usual.

 | than Hor some time. Prices ranged from |
| :--- |
| $\$ 25$ for common and interior to $\$ 50$ for | the latter fgure

tey generally , Rot coip
owing to there
owing to there being more plenticfe easy, plies of poultry coming forward.
sheep
and
Lamls. -
Receipts larke


 price being paid for
of ewes and wethers. Hogs.-The
this season
 sold from si are on the red-and-watered bese basis Horses.-There is still a good deman press horses, ${ }^{\text {good-quality dratt and e }}$ and the sale at the
and positiory was reported ns beint a goo
one, considering the quality of hors one, considering the quality
ofrored but prices were ensier. Canadian Horse Excha
ot of userul hocres Hot of useful hors
brought fair prices.
much vim dien there was for a few \& Sheppard report Single roadsters
roadsters, 15 to 16 hands, $\$ 125$
$\$ 150$; single cobs and carriage horses,

## The Sovereign Bank of Ganada

A NEW CANADIAN RECORD.

|  | Capital Paid up | $\begin{gathered} \hline \text { Reserve Fund } \\ \text { and } \\ \text { Univided d } \\ \text { Prôts } \end{gathered}$ | Sovereign Bank Notes in Circulation | Deposits. |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 1902 \\ & 1903 \\ & 1904 \\ & 1905 \\ & 1906 \\ & \hline \end{aligned}$ | $\begin{array}{r} \$ 1,173,47^{8} \\ 1,300,000 \\ 1,300,000 \\ 1,610,478 \\ 3,942,710 \\ \hline \end{array}$ | $\begin{array}{rr} \hline \$ 240,000 \\ 362,838 \\ 420,373 \\ 523,461 \\ 1,335,847 \\ \hline \end{array}$ | $\begin{array}{r} \$ 759,995 \\ 1,237,650 \\ 1,284,840 \\ 1,550,790 \\ 2,850,675 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1,681,730 \\ 4,30,432 \\ 7,196,741 \\ 10,134,209 \\ 15,578,920 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1,413,478 \\ 1,662,3,38 \\ 1,720,373 \\ 2,133,939 \\ 5,278,557 \end{array}$ |
| $\begin{gathered} \text { 318t } \\ \text { Octoo } \\ \text { bero } \end{gathered}$ | $\begin{aligned} & \text { Casi on hand } \\ & \text { at Band } \\ & \text { at Bankers } \end{aligned}$ | $\underset{\substack{\text { Bebonds, } \\ \text { Detc. } \\ \text { etes, }}}{\text { Ben }}$ | $\underbrace{\substack{\text { Call } \\ \text { at }}}_{\text {Loans }}$ | $\begin{aligned} & \text { Commercial } \\ & \text { and Discons } \end{aligned}$ | Total Asset |
| $\begin{aligned} & 1902 \\ & 1903 \\ & 1904 \\ & 1905 \\ & 1906 \\ & \hline \end{aligned}$ | $\begin{array}{r} \$ 883,097 \\ 62,774 \\ 1,214,822 \\ 1,491,398 \\ 3,916,892 \\ \hline \end{array}$ | $\begin{array}{r} \$ 439,363 \\ 713,3,37 \\ 672,034 \\ 79,153 \\ 1,612,831 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1,630,199 \\ 1,777,342 \\ 1,179,544 \\ 1,566,144 \\ 4,614,067 \\ \hline \end{array}$ | $\begin{array}{r} \$ 1,358,469 \\ 4,074,488 \\ 7,014,123 \\ 9,578,850 \\ 14,640,510 \\ \hline \end{array}$ | $\$ 3,855,203$ $7,209,920$ $10,201,954$ $13,818,938$ $25,343,401$ |

Savings Department at all Officces $\begin{gathered}\text { Deposits of } \$ 1.00 \text { and } \text { Upwards Recoived. } \\ \text { Interest Paid Four Times a }\end{gathered}$ Interest Paid Four Times a Year.

## THE CANADIAN BANK OF COMMERCE

Pald-up Capital, $\$ 10,000,000$. Reserve Fund, $\$ 4,500,000$

## HEAD OFFICE, TORONTO

2. E. WALKIR, General Manager alex. Laird, Asst. Gen' Manage
BRANCHES THROUGHOUT CANADA, AND IN THE UNITED STATES AND ENGLAND
A gemeral Enakking business transactod. Accounta may bo opened and conductod m SAVINGS BANK DEPARTMENT
Dopoalts of $\$ 1$ and upwards recelved, and interest allowed at current rates. The depositor ls subject to no delay what withdrawal of the whole or any
portion of the deposit
15 to 16.1 hands, $\$ 125$ to $\$ 160$

$\qquad$
$\qquad$
 patents, $\$ 2.70$ bid for export; Manitoba,
special patents, $\$ 4.50$; strong bakers , $\$ 4.50$; strong bakers', $\$ 4$ hides and wool. E. T. Carter \& Co., 85 Front St., To-
ronto, have been
prices: Inspected
pides, No, the following


 SEEDS.
The clover seed market is quiet, with
no change in prices. The fallowing
figures are being paid at coun.
 7.20 to $\$ 7.50 ;$ red, No. $2, \$ \$ .500$ to
6.90 , timothy, No. $1, \$ 1.50$ to $\$ 1.80$
mothy No. $2, \$ 1.20$, $\$$. Fruit market Fall apples are quoted at $\$ 2$ to $\$ 3$
per bbl., the latter price being for Sitter price being for
able Snows. Winter apples, No. 1, are
selling from \$3 to $\$ 4$ per bbl., at the
oumission houses. offered at 3 ajc. to 45 c . per small
ing sket; winter pears. 50 . FARMERS' MARKET,
Hay.-From farmers' wagons is selling $\$ 13$ to $\$ 16.50$ per ton for timothy; Straw.-Bundled straw, $\$ 16$ per ton;
Cose straw, $\$ 9$ per ton. se straw, $\$ 9$ per ton.
fresscd Hogs.-Market firm at $\$ 8.50$ to

Montreal.
eased strength of the hog market.
sthen sed dempand were fairly hog market. and was occasioned by the improved
of the English liacon market. The
$\qquad$
$\qquad$
$\substack { \text { Poor } \\ \begin{subarray}{c}{\text { faror } \\ \text { poult }{ \text { Poor } \\ \begin{subarray} { c } { \text { faror } \\ \text { poult } } } \\{\hline} \end{subarray}$

## yelt sell sals 123


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DECEMBER 6. 1906
Prices are steady, at: Heavy-draty
weighting
1,500 to
1,700
ans.



 Poultry and venisn- -Col weather has
tavorably affected the market, though the
poultry trade is still tish poultry trade is still light in volume
Really choice stock is hardly arrive. yet, but nice, fate dry-lpucked stock
sells as follows:
Turkeys and ducks

 8icc. quite a few oflering.
Hides, Tallow and Wool.-Receipts Hides, Tallow and Wool-Receipts of
hides contine fairly large, but the de
mand has fallen of of quite a little are steady: Dealers are offering,
Montreal, 10 tc c., 11 tc. and 12 tc .

| seling to tanners at an advance of $\frac{1}{3} \mathrm{c}$.per lb. No. 1 calf skins, 13 c ., and $\mathrm{N}_{\mathrm{O}}$. |
| :---: |
|  |  |


 sales are now on, and the market has
opene न 7 per cent. higher than the last.
This has it has is frrming. There is almost
nothing doinn toanly, prices being still:
Pulled lambs arush,



 1905. This leaves a net increase 55,000 boxes. It is likely, however,
that business will be quiet for a time foltowing the close of navigation. Prac-
tically no domand for or ortors or
tembers, which are believed to be in the
 tarios at 112 c. to 12 t. October makes
would bring $\ddagger \mathrm{cc}$. more. Butter.-Notwithstanding the fact that
shipments from Canadi during the past
season have been wery tight, being butt 361,400 packages, very light, beinst bing but 54,041 for
fhe corresponding stocks here are very li.ht also, accord-
ing to all accounts. The great strength
of the tmarkat. is.


 makes. There is a big call for the lat.
ter romm points up the ottuwa, and a
good dewand troum Ontario for creamery.
got Yood domand from Ontario for creamery.
The latter is is
time of year.
 ments much likhter than the previous
season, yet prices are higher and many
talk of further advances. ${ }^{\text {trices }}$ are

 Potatoes.-T5. per 90 1.s., carloads, on
track, for (ireen Mountails, and 65 c . for

Witt Minter, Ontario. Peas, searen andO2, 41 tceT.ern is just a light movement com- Choice lambs at $\$ 7.85$ per 100 los ,

| Chicago. | Dec. 14th.-Col. J. A. McGilliv. ford Park, Ont., Shorthorns, Cly and Dorset sheep. |
| :---: | :---: |
| . | Dec. 20the-J. B. Hogate, West |
|  | Dec. 2 Tth. - M. Riche Rardson |
| sta | a, Ont., 65 Ho |
|  | ${ }_{\text {Ont }}^{\text {J }}$ |
| 86.40 |  |
| \% $\$ 6.25$; butchers' weights, $\$ 6.30$ to | land, Ont., Shorthorns, annual |
| \% |  |
| 50 |  |
| , heep, ard Lamus.- Sheep, 83.25 to | horns, at Clinton. |
|  |  |



anct fouraxiant.


Our Literary Society. Answers to Study III. Whether it be that prose is not a
popular with our members as potet whether the fault lay in our giving studies I. and II. in too rapid sucwas too easy, we know not. What we do know, is that "A Furious
 much interest as "The Three Fish-
ers."
Fewer papers ers, aewer papers were sent in,
aad, although the answers of ques-
tions 1 to 9 (inclusive) were quite tions 1 to 9 (inclusive) were quase
creditable, the essays (question 10) creditable, the essays (question 10),
with the exception of just one failed to come up to the 75 -per-cent. mark Perhaps, however, the fault rested with ourselves. Nearly all of our students seemed to think that we the "Furious Parisian"-a stirring exciting introduction, followed by a
sudden lapse almost into the ridicul-ous-and, as a result, the straining arter this precise effect was evident.
We had not meant this at nit What we wanted was an essay, writ in the style best suited to bring out he writer's literary talents. are sorry for the mistake, and in
future will try to explain the con ditions that may be set more clear-
 stady, and we eare, hereelore, pleased
to give the best oi them ta place in
the give to save space, we will mot reprint
the ". study," but will ask our read
 ${ }_{\text {whpeared }}$
selected answers to ques1. Nearly all answered this ques-
tion very well.
We quote "Aunt Mirandy. "Probably the author's aim in dis scribing this incident was to illus
trate how easily, on receiving a first impression, we may be seizcul are cuite such grows on us untr in in suod ranguage is picturesque and point of view appears to be a fact, sentences are long and complicated 2. Hilda J. Nevanas, Chelsea phrase creceps in He spoke very Que., and Marie Agnean, Lambtou hensive ant., both gers to this tore compres The scenery was not the salieni part of the story, hence the descrip)
tion of it is not forced unduly upo the reader's notice."-Miss Nevana.
i/ Because the scenery in no way al " Because the scenery nd an way of it would detract the reader's at tention from the story."-Marie
3. Miss Nevanas, Marie Agnean,
"Hayseed," Oxford Co., Ont.; Farm"Hayseed, Waxiord Co.," Ont.t., and

Aunt Mirandy were especially happy ./ The answers to Question 3. son involved in is the incident. It was first drew Souvestre's attention he Who, on being observed more closely,
was the cause of the Attic Philosopher's indignant moralizings; and
upon him, when the real cause actions became known, depended the change in the whole face of the incident. Consequently, a minute de-
scription of him is necessary."-Aunt Mirandy.
" He gi
the me gives a minute description of hinges on hime the whole narrative the writer's mistakenness as to the though character is the central M. Agnean notes ohn. this, that the minute description to been undertaken to bring the mind of the reader into sympathy with the Parisian his first impression of the 4. This question was answered
very fully by Dorothy Lock W Lambton Co., Ont., and others. We ". Great coat of shaggy cloth., Resemblance to a tawny beast,' Held a thick stick," ". Spoke ver "oud," "C Convulsed with possion," Harshness," ", Threatening whirlings of his stick." To this list others added, Described bold arabesques." Kitty, Peterboro Co., Ont.; Aunt Mirandy, and Miss Nevanas.
.. The climax is the point at which the interest is greatest. In this exparagraph 3. In the first place, the giving us the ideas our attention, which follows will be a very tragic continues in that ptrain, with in- in-
creasing interest creasing interest. Paragraph 2 in
creases our sympathy with the writ er, and leads us to explect-when we have read the third-not only some further revelation concerning the two
but some interierence on the part o the onlooker. After paragraph of the immediate expler paragraph a
the affair a different astion, giving the affair a different aspect, causes a
falling away of our interest end of paragraph 3, therefore the Interest is at its height." ${ }^{\text {Minand }}$ Mirandy.
6 . Several peculiarities incidental to the slight peculiarities incidental to the trans-
lation trom the lrench. Miss Nein the language is picturesque and phrase creeps in : He spoke very
ar John, Waterloo co., Ond style so distinctive easy, rethento.
crimes could indignant, that his man when he considered hime impos crimes could not receive, etc."
Mary on the weak. He also has a
Ahnean olserves that the fine perception of home, and the love,
story ". Appear's to have been trans- peace and happiness that should
 press deep thoughts, not in light or Farmer John amd whers and that the suggestion of a smile upon his
monement, she continues, "would fuorothy look observes very force- hifted He was, however, completely
 two three shorter ones, long sen- girls." This is dulightul. (ioned than aised his eyes, and without grave-

"Bob," Perth Co., Ont., and
others note the use of the word loud," in "he spoke very loud. Loudly " would have been better The $\qquad$ and 7, where "upon whom my gaze was fixed " succeeds the verb " were as cending," is also worthy of note, as seed of placing "spasmodic"" Hefore Aunt Minalter "loud." would Mirandy thinks paragraph 2 evidently just seen one of those do mestic tyrants whose sullen tempers
are excited by the patience of victims," etc. The "number" this has certainly been improved. A
careful translator would however, likely to change even this sentence around to avoid its hissing repetition of " s " sounds, a fault always
avoided by the best writers 7. Nearly all of our students, while finding it hard, evidently studen express their reasons for recognizing it, appreciated the humor in the selection. W. J. S. observes, with
charming naivete, that when the Philosopher found, instead of a rough savage and his victim, only an honest citizen talking about silkworms a great surprise, and also quite a joke." "Bob", says that he does not see any trace of humor." Oh,
Bob, Bob! Didn't you smi a little bit when you found out that the fat, furious-looking old gentleman was only talking about silkworms? dents answered this question cor-
rectly. "Bob"s ", rectly, "Bob's" answer is terse:
"The moral Souvestre found for
St himself was not to judge always by Edward, Ont., observes that the les son to us is that we should be slow
to judge. ./ Many conder to judge. "Many condemned ones are often the praiseworthy ones," she
says, " and, by this story, broader views and kinder, more sympathetic Ceelings towards all are encouraged." and Aunt Miriend," Marie Agnean satisfactory answers to this most tion.
tails.
the a close observer of details. He had a habsit of studying
character.
He was fair-minded sympathetic; also quite willing to
see and admit his see and admit his own mistakes. He
was intolerant of inuster was intolerant of injustice and
wrong." - Marie Agnean. He is very observing. Many people hoticed enough position would not have deas or judgments at all formed any trong imagination, and. He has a strong imagination, and is quick to
reach conclusions. He shows a no to disposition in at once denowncing the
$\qquad$

The Handle Turned the Wrong
It was a pleasure of the writer's,
one frosty winter's mornin one frosty winter's morning, at a date within easy recollection, to two thriving Ontario towns. The seating accommodation was heavily taxed, and your scribe, when seated, young manself wedged in between a letters and a somewhat older personage of rather girthy proportions,
who was scanning the ho was scanning the pages of with the exception of two elderly adies, who occupied opposite seats at one end of the car, and indulged unusually non-talkative, and, wer most part, gazed placidly at the partially frost-covered windows op posite them. An occasional jolt
served to break any monotony which might be experienced.
Arter what seemed a short ride grades, slowing around curv slight past switches, first one huides and hen another was sighted in clos we swerved the track. Presently We had been stationary for some en. The newspaper and letters had long since disappeared in the inne and the silence was so intense that a pin dropped on the floor might al Sudderla froughout the car. by a slim, intelligent-looking young tweed suit, whose smart-cut, gray trayed himgly resigned bearing be commercial travellep . not?" he asked minister, are you
fined- af an elderly re-lined-looking gentleman who sat fac
ing him on the opposite side of aisle. The gentleman addressed re-
plied in the ". I would like to ask you a few Scripture," "n certain parts of the man, in rather easy tones. "What By this time a slight shumfing of feet seemed to take on a new lease of All eyes were turned toward
the minister and the young man,
the owners the owners evidently being intent on
watching the drift of the conversaIt was quite discernible, from his manner of speech and the almost im-
perceptible trace of a suppressed on his countenance, that the grin man's object was to draw his young riend into a discussion, when, by employing some well-prepared witti-
cism, he would throw the laugh on IIm. was, however, completely
ifted from the defensive when the
$\qquad$

1)ECEMBER 6, 1906
out from the seat and took his die same one or two blocks distant. W were soon again speeding merrily
along, while the loud guffaw and re slong, while the loud guffaw and
strackle still
continued emanate, at intervals, from differen parts of the car. FARMER JOHN Waterloo Co., Ont.

In sending MSS. for the printers do not write on both sides of the
paper, and, if possible, do not paper, and, if possible, do not roll.
Fold papers flat and put them in an
envelope.

Life."
Current Events.

The Niagara Frontier Bridge Co. is
applying for a charter to bridge applying

Earthquake shocks, followed by imrom New Guinea. Another portion of the crater of
Mt. Vesuvius collapsed, with loud Mt. Vesuvius collapsed, with loud
detonations, on Nov. 24th. Forty thousand square miles of crops in China have been destroyed
by floods, and $10,000,000$ people are on the point of starvation.

The Canadian Pacific management is about to introduce Japanese at between Montreal and Vancouver

An international compact, guaran
teeing the individuality of Norway against territorial aggression by any power, is on the verge of completion

An explosion at the " roburit
factory, Annen, Germany, on Nov.
28 th, practically annihilated the 28th, practically annihilated the
town, about 300 people being killed or wounded. Roburit is an ex-
plosive whose power is only second to that of dynamite

The Bulgarian Government has ad dressed a note to the representatives
oi the Powers in regard to the recent massacre of Bulgarians near Seres,
by a Turco-Greek band. The (ireek Consul has, in consequence of the disturbance, been dry irom the
own.

Among the shipping casualties
he past fortnight were the wreck the Norwegian barque Magda, in the
Lower $S t$. Lawrence, with a loss of (5 lives, and the wreck of the J. I
fones, near the Christian Islands (ieorgian liay, 25 lives being lost
a result of the latter casualty.

Public feeling in regard to the
Education Bill never ran higher than of late. Upon Nov. 27, an emer
gency meeting of the General Com
mittee of the National Iiberal Feder ation was called in London, and
csolution unanimously adopted urg Cesolution unanimously adopted urg ords' amendments ii steps are taken to boring and hal arbitrament the question onger possess the right to veto th will of the people, as declared by the
House of Commons." A letter from Ir Henry Camphell-Bannerman wat was realized by al! Lincrals "that
$e$ House of Lords would hasten to nionism as soon as the country ren
ered a verdict against the Unionis lan a verdict agat lionist pol

THE FARMER'S ADVOCATE


#### Abstract

tain functions, and which are cer thing of the visible forms of some phenomena of life. Inherent in, the animating the animating those visible and tangible forms, is the principle called which, is the principle called "life," Regarding the origin of life, we may hold may holld that the first plant, or the first animal dirst animal, or that man himself, was formed by the Creator taneously, or we may adopt the theory theory of evolution, may adopt the existent in existent in "germ cells" ages before organized living forms organized living forms appeared; that the order of creation is gradual and progressiver ; that the forms of life about life about us-that we ourselves-are expressions or


 expressions or creations which havebeen progressively

Whatever view may be taken as to
the order of creation, the true scien tist, no less than the philosopher, recognizes above material forces, the
source of life and all things-G No arce of life and all things-God. tuitous concourse of atoms ever froduced life. Scientists assert that
there exists no evidences here exists no evidences of spon-
taneous generation of life. Creation is equally stupendous, equally un searchable to us, whether the act be instantaneous or progressive. Even tionist, makes this assertion: "The whole process of evolution is the inanifestation of a Power absolutely Though we cannot solve life's mysTeries, we can discharge life's obli-
gations, for the Author of our life
lays upon us no arduous work and we can perform heavier tasks than our inner consciousness admonish us to employ our powers in active servwork we do with our might" the work we are fitted to do-devoted,
faithful work, constituting not only life's duty, but a condition in which life is best developed; for indolence death. degradation, dissolution-

## Life ! a heritage sublime,

 Hyaven-bestowed, gift divine,Msterious, measureless 'and vast Time-born, eternally shaill last.
icy," Continuing, the letter said
"Still, we may plead certill, we may plead guilty to a
certan sense of surprise
vit the certain sense of surprise at the
violence of the manifestation, now
that it has come that it has come. The education
bill, as passed by the House of Combill, as passed by the House of Com-
mons, was a bill which the country mons, was a bill which the country
demanded in unmistakable terms at
the general election the general election. It now seems.
to have been turned into a travesty of its original form. As amended, it
perpetuates, if it does not perpetuates, if it does not extend,
the very grievances and wrongs fixed upon the country by the act of 1902 Of one thing you may rest assured me will have no tampering with the is founded. If If within which our bill
an arrancene limits an arrangement can be reached, all well and good. If not, it will be of education, and on others, qu way country may be made to prevail."
Health in the Home
Advisability of Eating More Fruit.
Recent experiments conducted under Agricultures of the Department of teresting light ashington throw infruit. From an editorial review in The Medical Record (New York), we
official report show that fresh fruits are in general dilute foods containing a large proportion of water compar tive material. The carbohydrat are the chief food constituents, the proportions of sugars and acids vary greatly. For instance, there is only one or two per cent. of acid in such fruits as apples, pears, plums, strawberries, etc., and as high as seven per cent. or more in lemon juice. Says the writer
Studies were made with persons who had subsisted on a fruit diet for many years, and with persons who to an ordinmed to a vegetarian and
were of differe diet. The individuals were of different sexes and ages. The of studies, which were made men and children, show that, while foundation of limited to warrant the clusions, the statement might be confidently made that fruits and nuts should not be looked upon simply as
food accessories, but should be considered a fairly but should be con-
economical source of nutritive material." Experiments conducted by Professor
Jaffa, of thè California. Experiment Saffa, of the California Experiment Station, to determine the digestibil-
ity of fruit, show clearly, he thinks that they are thoroughly digested, that they are thoroughly digested,
and have a higher nutritive value
than is popularly
than is popularly attributed to them Apparently stomach digestion is in-
fluenced by the nature of the fruit and its stage of ripeness. Apples are viewed, from an economical and nutritive standpoint, as the best of cooked, while of dried fruits date and raisins rank the highest. To re ... the quotation
" The conclusions reached as a re sult of the studies were that in genwholesome, palatable and attractive additions to our diet, and may be readily made to furnish a considerable part of the nutrients and energy fruits are dilute daily fare. Fresh resemble green vegetables in total nutritive value, but dried fruits and centrated, comparing favorably with some of the cereals and other dry vegetable foods in the amount o
total nutrients and energy which they supply per pound. Characteris tic chemical constituents of fruits are carbohydrates, and so they are na turally and properly used in a wellricher in protein, such, for example as cereal grains, legumes, nuts, eggs, dairy products, meats and fish. Inmost valuable part of a well-balanced diet, and may profitably well-balanced even larger quantities than they are at present by the majority of man-
kind."-[Literary Digest


Canadian Views. Valley of the Ton Peaks, Laggam, Alta. On the Canadien Pacific Railway.

The Quiet Hour

## A Secret Source of Power.

Enter into thy closet, and when thou The pain it is to me,
which is in secret; and thy Father which -St. Matt.
The monk was preaching: strong his earnest word,
rom the abundance of his heart he spoke,
And the
thame spread - in every soul that heard,
Sorrow and love and good resolve The poor lay-brother, ignorant and old,
Thanked God that he had heard such

## 'Still alon

alone,", the glory, Lord, be Thine
So prayed the monk; his heart ab-
sorbed in praise : $\begin{gathered}\text { sorbed in praise : } \\ \text { Thine be the glory : if my hands have } \\ \text { sown }\end{gathered}$
sown
The harvest ripened in Thy mercy's
rays,
It
was Thy blessing,
my word
my word
Bring light and love to every soul that
heard. O Lord ! I thank Thee that my feeble
strength
strength
Has been s
Has been so
Were melted at my pleading-knew
length
How swet
How sweet Thy service, and how safe
Thy fold :
While souls that loved Thee saw be-
fore them rise
Still holier heights of loving sacrifice
So prayed the monk: when suddenly he

## Thy words had all been vain, but hearts were stirred

 were stirred, saints were edified and sinnerswon,
his, the poor lay-browher's, humble aid,
sat
prayed., upon the pulpit-stair, and
the praises and petitions ofered, when
the thoughts are so inclined to wander.
"I cannot pray; yet, Lord Thou

 earnestly and pray with all our streng
dwelling Spantly, for the
Spirit of God, Who only dwelling Spirit of God, Who only
transfigure our lives and make Cransfigure our lives and make our soul
bright with the beauty of holiness?
is short-sinted is short-sighted folly to struggle

## About the House.

## Cooking Fowl.

Rub with salt and pepper, and draw preferred. Skewer pepper, and stuff as wings and legs into place, and tie in position with cotton cord. Rub all over
with butter, dredge with flour in a very hot oven to sear the outh put
and prevent the and prevent the juices from esciaping.
When seared, lessen the heat. While cog. ing, baste with butter and hot water mixed, at frequent intervals. About
three hours will be mater three hours will be required for roast-
ing.
Turkey, Boiled.-Singe, rinse and wipe
dry. dry. Rub all over with lemon juice,
salt and pepper. salt and pepper. Fill with boiled celery,
cut in slices and well drained. legs and wings close to the body, and wrap tightly in a band of cotton cloth io keep the shape. Put into water that
is boiling bard, and when the become cooked enough to keep the has in, place on the back of the stove, where the water will only simmer gently. Core the pound will likely Serve pound will likely be long enough
with thick cream sauce. Goose, Roast.-Clean and truss, and fill with a stuffing of bread crumbs
flavored with onions, sage and flavored with onions, sage and pepper
and salt. Fisten the bird with skewer; rub all over with dripping; wrap
in well-greased in well-greased paper, and roast for from an hour to an hour and a half, accord
ing to the size. When helf ing to the size. When half done re
move the paper, and let brown. Serve with apple sauce, and parsnips in cream
sauce. Chicken, Maryland Style.-Clean
disjoint, leaving the breast whole.
neckst necks and giblets into cold water, and cook so as to obtain a cupful of good
stock for gravy. Put the chicken in stock for gravy. Put the chicken in a
pan, keeping the pieces apart. with salt and pepper; dredge with flour and dot with bits of butter. Bake in a
hot oven from hall an hour to 40 hot oven from half an hour to 40
minutes, putting $\ddagger$ cup butter (melted) in $\frac{\text { minules, putting }}{\ddagger} \frac{\text { cup butter (melted) in }}{t \text { cup hot water in the pan. When done, }}$ take up the chicken and make a grave,
from the fat left in the pan, stirring in 2 tablespoons flour, 1 cup milk or cream,
and the cupful of stock made from the giblets. Serve of the chicken with the
gravy poured around it Stuffing for Fowl.-(1) Plain stufing :
One cup grated me cup grated bread crumbs, cup
milk, 1 tablespoonn chopped onion, 1 tablespoon butter, salt and pepper to
taste. taste. (2) For goose Four onions, 10
sage leaves, $\ddagger 1 b$. bread crumbs, sage leaves, $\frac{1 \mathrm{~b} \text {. bread crumbs, } 1 \text { egg, }}{\text { 1t tablespoons butter, salt and pepper }}$
to taste. (3) Chestnut stuffing Boil to taste. (3) Chestnut stuffing : Boil a
pint of
of
shelled
chestnuts
for pint of shelled chestnuts for three
minutes, plunge in cold water, and rub
off the skins with with boiling water, and simmer for an hour, then mash to a paste. Chop $i$ an
salt pork fine, add the chestnuts, salt pork fine, add the chestnuts, sea
son, and stuff. Giblet Stew.-Clean the giblets, dry
and roll in flour. Put the gizzards and feet (skinned and thoroughly cleaned a saucepan with half a pint of our, then add the rest of the giblets, a pint of water, 2 siall onions, in which
a few cloves are stuck, the red aint of water, 2 small onions, in which
a few cloves are stuck, the red part of
a carrot (scraped fine). a bunch of parsley, a stick of celery. Stem for an
hour and a half longer, adding a little hour and a half longer, adding a little
more water, if necessary. Take out the herbs, put the githets on a hot dish, add
a litue brown llour to the gravy, and
serve very hot, garnished with bits coast. Cooking cranberiries. he surface-indecd, it is very difficult. Him. Happily for us, He loves and har ing in a village shop. True It is not only that time may be very entirely forgetful of Him, but that does character rather than in circumstances,
limited, and that there are
 $\begin{array}{lll}\text { at the moment seem far more pressing } & \text { My } \\ \text { than the duty of prayer. There are } \\ \text { dily }\end{array}$
dress, the everyday tended to. Prayer can be pushed to one
side to wait for a more convenient sea-
soi, and, too often, that season grow.
more and more infrequent. But.

times for prayer, making other less-im- into the mysterious life beyond dhath up to hinder
-ealize the Presence of the invisi,
realize the Presence of the invisible
It is hard to concentrate one's


 walking dresses, riding dresses, dinn
dresses, " tea-gowns". and " ball-cowns dresses, " tea-gowns "' and " ball-gowns
and then the poor things had to
on t" boards." on l/ boards." $\begin{aligned} & \text { So, I think } \\ & \text { Darlington, passing by and not mis }\end{aligned}$

 whiruers wives, looks on them as drudges,
ware happy and contented in
being helpful and useful in the being helpful and useful in the condition
of life that it has pleased God to place of life that it has pleased Good to place
HELPOM. York Co., Ont. $\quad$ Aunt Diana's Opinion. Dear Dame Durden,-I enjoy reading the
letters of the Ingle Nook very much. I
have never written before, but, as a
farmer's wife, I cannot resist the tempta-
tion after reading the letters of the Nov,
15th issue. I think, surely, some of
the ladies have lived in a very fierce


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## pesping colts.

Ihave two colts-one a year old, the
other two years old-in fair condition Would like to keep in same condition. What would be enough, and kind of leed;
oats (boiled or chopped), mixed with
bran, in what quantity to keep them bran, in what quantity to keep them
growing? What will stop colts eating
wood? A. D.
Ans.-Good oats and bran (equal parts
Ay measure), as much as they will up clean at each meal, together with
good, early-ccut, well-cured hay, should
keep colts in good condition. If they keep colts in good condition. If they
do not do well enough on whole oats
and bran, try chopped oats, or boiled oats, with a handful of ground oil cake
and a little bran added. To state a
given quantity is impracticable as given quantity is impracticable, as some
colts require and will take more than
others, but one-hale the quantity given a
working horse should suffice to keep colts
growing steadily. A small handful of growing steadily. A small handful of
hardwond ashes in their feed daily for a
week or two, or mixed with their salt, should cure the habit.
BARLEY FOR COWS - TO. KBEP COLT IN 1. Is barley chop better than oat chop
for milch cows? Will the former not
dry them up ?
2. Have a colt coming two years old, you give me a cheap and harmess tonic?
MIC-MAC. Ans.-1. Oat chop comes nearer than
barley chop to meeting the nutritive re-
quirements quirements of a milking cow, though
much depends on what roughage is be-
ing fed. Barley chop is rich in carbo Ing fed. Barley chop is rich in carbo-
hydrates, hence tends to fat rather than
milk hut it is ration rich in protein, such as one con-
sisting largely of alfalfa or clover hay, bran and oil cake. Some men believe
that barley tends to dry cows up, but we
doubt whether it has such a tendency when forming part of a properly-balanced
wation. 2. No; keep drugs away from him.
HHa, oats, bran, a turnip or a carrot
or two, and a bittle oil cake, together
with all the salt he wants, and an occa, minch of sifted wood ashes are wresent prices of hen-fruit.
COLOR OF COLLIES.




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QUESTIONS AND ANSWERS Miscellaneous.
 Last fall I treated some fall wheat
with formalin, and by using the solution too strong, killed a good deal of the wheat. I had put the stuff on some
barley in the spring, and it failed to kill all the smut, so I made it a good deal quence, very little of the wheat came up
quen except on the last two or three rounds
of the seeder which of the seder, which wasn't treated at
afl. Which would be the better to sow among the fall wheat in the spring, some spring wheat or barley, or plow it it up
altogether ?


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guestrons and answers. Miscellaneous.
GOVERNMENT REPORTS.
How may I outain the different report
issued by the Governinent?
Ans. - For Dominion Government re
ports make application to the Hon.
Sydney Fisher, Ottawa, Ont., and for On
tario reports to the Hon. Nelson Mon
teith, Toronto.
treatment for worms.
Mare, six years old, stocks up very bad when not working; even when she Just now, though she did not during the fall. She is very dry in the hair, and also is thin in the flesh. I think, some-
how, she is wormy. Ans.- Pregnant mares are especially dis
posed to this affection posed to this affection, though many
geldings and non-pregnant mares stockup more or less at this season. Ease
up a little on the work, and feed lightly ap a little on the work, and feed lightly
on oats and bran, with mixed hay and turnip or a carrot or two daily. As you
suspect worms, try the following: Take suspect worms, try the following: Take
it ounces each of sulphate of copper,
sulphate of iron, tartar emetic salomat. Mix, and make into 12 powders.
calomel. a powder every night and morning,
Give a
either in damp either in damp food or mixed with a
pint of cold water as a drench. Feed
bran only for 12 hours after giving last powder, then give a purgative of 8
drams Barbadoes aloes and 2 drams ginger. Feed bran only until purgation cam-
mences, then hay and a little grain. soon as the bowels regain their normal
condition, she may be put to work, but
must not be wat must not be worked from time of ad-
ministering the purgative till it ceases
to act time for pruning apple trees, btc. 1. Would you give me scientific or
botanical names for the silver maple, 2. Would trimming an orchard at this
season be better for the trees, or geod as in the spring ? the trees, or as
g. How as to raspberry bushes being thinned of the dead stocks now ? being
Elgin.
SUBSCRIBER. Ans.- - Acer dasycarpum is the silver
maple; Populus tremuloides is the poplar, and Ullmus Americana is the com-
mon American or white elm.


TRADE NOTE.



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$\mathbf{1 0 0}$ fall pigs, 86 per pair
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The Sunny Slope herd oomprises Cruickhhank
Bollonas, My ysies, Villages, Brawith Bude, Broad.



SHORTHORNS AND BERKSHIRES.
 S. J. PEARSON, SON \& CO. lations: Streetsville and Meadow. KENWOOD STOCK FARM.

## SHORTHORNS.


 GEORGE D. FLETCHER Brooder of Sootoh Shorthorn
Cattle and Yorkehime Ples.


 SHUHIHONIS ANO LEICEJTEHS
 down for grand milk
ounck salke.
ink regiftered ewes now
W. A. DOUGLAS

For Sale: Scotch shorthom
W. J.

## Unreserved Auction Sale

## ON FRIDAY, DEC. 14, 1906,

At His Farm, Bedford Park, Three Miles North of omonto, on Yonge St., Wheme Stmeet Cam Pass the North Every Hour, from Newmarket on COL: J. A. McGILLIVRAY
will sell his entire herd of 40 HEAD of imported and Canadian-bred

## SCOTCH SHORTHORN CATTLE

Including His Stock Bull, Butterfly King, Imp.
The herd represents the Nonpareil, Missie, Crimson Flower, Miss Rams den, Duchess of Gloster, Butterfly, Marr Beauty and Marr Meadowflower

2 Imported Clydesdale Fillies, 3 years old, and 1 Imp. Shime Fllly, 1 Registered Cana-dian-bred Clyde Mare, 25 Imp . and Cana= dlan-bred Hopned Dorset Sheep; also a Number of Grade Cattle, Horses, Farm Implements, etc.

Implements, Grade Cattle, Farm Horsee, etc., will be sold at 10 a . m Pure-breds at 1 p. m.

Terms cash, or $5 \%$ on approved notes. Catalogues on application.
FRED. SILVERSIDES, Auotloneer.
Positively no reserve

## HOLLYMOUMT SHORTHORMS

 $\left.\begin{gathered}\text { Pure sootoh, } \\ \text { Importeol, } \\ \text { end the sot of } \\ \text { impo etook. } \\ 25\end{gathered} \right\rvert\,$ 25 HEAD

W. J. Thompson, Mitchell P. O. \& Sta. GHEBIENGILL, HERED

SHORTHORNS

 suoh families as Duchess of
Gloster, Village Girll,Rosebud
 TOHELL EONS.
 FOHN EARDHOUSE \& SONS, Hightild P.O., OM Sootoh and sootch-toppod shorthorna, LLinooln and



## Clover Lea Stook Farm

SHORTHORNS FOR BALE (Choioe bull calve日 by Bomen from importiod siriark and rooms.
Visitors met at Ripley station.
R. H. REID, PINE RIVER, ONT

Spring Valley Shorthorns Herd hoaded by Imp. Bapton Chancellor
$=408099=(782866)$.
A choice lot of young
 KYLE BROS.

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Offors for sale, at moderate prioes,
7 Imported Cowe and Helfore (oalves at foot).

11 Yearlling Helfere (all Sootoh).
Yearling bulle, Inoluding a Marp Clama.
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 HUDSON USHER, Queenstom, Ont DON JERSEY HERD Our Jcrseys rank soond to none in
Canads Present offering.
young buls bice
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Don, Ont
Duncan Sta.., on Canadian Northern Railroad
HIGHGROVE JERSEY HERD
 ROBT. TUFTS \& SON. Tinoed P.O. \& Bta Brampton Jersey Herd For sala: 10 bulle


QUESTIONS AND ANSWERS. Miscellaneous.
sun scald on apple trees What auses the bark on apple trees to
get dry and scraggy ? Last spring, on
looking over some get dry and scraggy ? Last spring, on
looking over some apple trees, I noticed
the bark dried on in spe the bark dried on in spots, and on re-
moving same, noticed the wood hard and
cranked, with active cranked, with active mites running about
in co'or, resembling wood lice.
thes those mites anything to do with the
trouble? Is there any remedy? necessary to have fruit trees banked dur-
ing the winter ? Ans. -The trees have evidently been in-
jured by sun-scald. This injury is in late winter and early spring, when done there are warm days and cold nights.
The sun shining on the south side of ed by severe freezing at night destroy
the cambium or
 can be prevented by shading the trunk
with sacking, or some other by using a vencer wooden protectiar, o
oven by mounding up with soil, althoug it
whole trunk. The insects were pror the feeding in the decayed wood, or finding shelter there. The dead wood should be
cleaned out of the injured part, and the cleaned out of the injured part, and th
wound painted with white lead paint.
W. T. MACOUN.

## cossip.

LAST CALL FOR COL. J. A. McGILliParties in want of choice Scotch Short-
horn cattle, Clydesdale or Shire mares, or Horned-Dorset sheep, slould remember ly-good opportunity will be offered at Col. J. A. McGillivray's dispersion sale, Toronto, on Yonge St. mverythrth of boronto, on Yonge St. Everything will
bold without reserve, as the farm is sold and everything must go. The farm implements and grade cattle will be sold
at 10 a . m.; the purebreds at at 10 a. m..: the purebreds at 1 p . m.
There is a hotel just across the street, where parties attending the sale can get dinner. Terms are cash, or 5 per cent. on approved paper. Street cars pass the
door every hour from north and south. or catalogue, address the auctioneer,
F. Silversides, Bedford Park P. O., Ont.

DUNROBIN SHORTHORNS. Thirty head of imported and Canadian-
bred Scotch Shorthorns make up the herd bred Scotch Shorthorns make up the herd
of Messrs. Donald Gunn \& Son, of Dunrobin Stock Farm, Beaverton, Ont.,
breeders and importers of Clyded horses, Shorthorn cattle and Yorkshire
hogs. hogs. The shorthorns represent such Aower, Ury, Village Queen, Nonparell and Lavender families; the get of such noted bulle as Luxury, Imp. Cronje 2nd, Imp.
Village Champion, Imp. Magistrand, Bapton Fancy, Imp. Royal Prince, and Sir Wilfred Laurier, and are an essentially high-class lot, being of the low-
dow, thick-fleshed, good-doing order down, thick-leshed, good-doing order.
Most of the young stuff is the get of Imp. Lucerne, by Cyprus, dam Lustre 36th, by Bruce Palatine. Lucerne, be
sides being a good individua sides being a good individual, is a very
successul sire, his get coming straight-
lined, thick and successful sire, his get coming straight-
lined, thick and oven. One of his get
in the herd for sale months-old bull calf, out of Fancy Ury a daughter of Imp. Bapton Fancy Try, This
youngster is built on show lines, and is an extra good one.
The lines, and is
bull, Imp. Ardlethen Bull, Imp. Ardlethen Royal, by Baron
Beauford, dam Pauline 2nd, by My
Choice, grandaly Choice, grandam by Lord Lavender, is a
Princess Royal, a short-legged, thick even, mellowa, bull, and an extra good
doer. His lieutenant in service. Non
His. pareil Eclipse, by Imp. Langford Eclipse grandam by Imp. King James, is a roan,
eight eighteen months old, big, stralght
lined, full-fleshed, with a heap of quality a show bull of no mean order. He is
for sale, and can be bought well worth
the herd when in want of something Dunrobin Shorthorns. The firm have also for sale Clydesdale fillies and mares in foal, also up-to-date
all ages.

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Stops the irritating cough, loosens the phlegm, soothes the in flamed tissues of the lungs and quick and permanent cure in al cases of Coughs, Colds, Bron chitis, Asthma, Hoarseness, Sore Throat and the irst stages o Consumption.
Mrs. Norma Swanston, Cargill, Onb., mending Dr. Wood's Norway Pine Syrup I had a very bad cold, could not sleep at night for the ooughing and bad pains in
my chest and lunge. I only used half my chest and lungs. 1 only used halt a and was porfectly well again."

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Yoang gtock of both gaxee for odar arove, Ont. SPRINGBROOK AYRSHIRES butter-atat, dooring 1908, of mill, toesting 8.9 par oent yearr old, Comrato' Fano of Glenore bulle:
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reosonabie pricoe. For partioulary, eto., writo io
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in Nov, and Deo. Write or oall and oee them in Nov. and Dee. Write or oall and see them.
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rent bred. Come and soe. or write for what youl pant in Tamworthe and Horsting, A. What you-
IP YOEEN OITY HOLETEIME

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y Prince heilfor coalvo-A fow oholoo ball and


MAPLE GROVE HOLSTEIN HERD with larres recoords. and headed by Lord hiffers
 HOLETEINS AND YORKSHIRE afiers for male $A$ ohoice lot of young

## aUCTION SALE <br> 65 Holstein-Friesian Cattle <br> at Riverside Farm, CALEDONIA, ONT., on <br> THURSDAY, DEC. 27, 1906 <br> 30 Cows, 20 Heifers, 15 Bulls. <br> 8 monthe' credit on approved security <br> Riverside Herd represente several of the greatest families of the breed: DeKol, Wayne, Mercedes, Mecohthilde, Pieterrite  Inka Mercedes Deholl that were eat the Pan-American Model Dairy economical six months' test. six months' test. Recent stock bulls: Johanna Rue 4th Land and Sir Pietertje Posch De Boer. Caledonia is on Buffalo \& Goderich, Hamilton \& Pt. Dover branch of the G. T. R. Arrangements have been made with $G$. T R R for trains to G.T.R. Arrangements have been made with G. T. R. for trains to stop at the farm. Trains will arrive at the farm ait 9.20 and 10.20 a.m. from south, weest and east. Hamilton and Toroto west and east. Hamilton and Toronto trains will be met at Caledonia station at 9.5 an.m. Trains leave the farm at 6.30 and 7.30 p. m. tor all points duced rates on all railroads. <br> sale commencen at 12 o'clock, noon. <br> CAPT. T. E. ROBSON, London, Ont. <br> To whom bids by mail or telegraph may be sent. <br> Catalogue ready by Dec. 6th. <br> Sale held under cover. <br> M. Richardson \& Son, Caledonia, Ont.

## Annandale Holstein Herd

Prince . Posch Calamity heads the
herd. His herd. His dam (Calamity Jane)
and sire's dam (Alta Posch
 a day, and over 26 los. butter a
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living one of the greatest sires

A number of good young bulls,
to 10 monthe old for 1 to 10 months old, for sale, from
great sires and A1 cows. GEO. RIGE,

## Tillsonbu G

fêw HOLSTEIN BULLS


a. W. Clemons

Lyndale Holsteins For Sale $A$ number of bull calveg frod
 "Glenarchy" holsteins Holshead of big, deop flanked. heavy.producing Oo tale AN strisht, geomoth ott.
GROVE HLL HOLSTEINS-We now offe


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Alred by the erandly bred imp. bull.


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My Shropshires Won the Flock Prize at Toronto.
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questions and answers.


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WYandotte with red-tinted legs.
dotte male score that a White Wyan
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cut
that aw as perfect a biral A A 9.0 .
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would be worth from twent-v.
dollars, and one that woufd score


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Special offer of 56 imported Shropshire sheep, 20 shearling
rams and 36 shearling ewees. All Minton and Harding bred Also Clydesdale and Hackney horses and Berkshire pigs.
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Shropshires and Coiswolds I am offering for sale 100 shearling
ewes. home-bred and im imported: allo an extra gond lot of yearling rams and ram lambs of of but broeds, JOHN MULLPR Broult Ong.
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18 DORSET SHEEP




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Tamworths and Dorset Horn Sheep,
 LaRGE ENGLISH YORKSHIRES



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"My wif" took La Grippe when she was Parm, Que., in an interview. "She got a bettlo, of Psychine and after. using it for a
bw days she was quite well. It took a cold Ww days ohe was quite well. It took a cold
ind am using it and am getting all right. Ind am using it and am getting all right.
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There you have the whole matter in a sutshell. La Grippe and colds are amone This man had one, his wife had the othe Paychine not only cured both but it buil
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 Morriston Yorks, and Tams.

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WANT to talk to men who have pains and aches, who feel run-down physically, who realize that the old "fire" and energy which was so evident in youth is absent now ; men who can't stand the amount of exertion they could years ago. I want you -if that means you-to see what I have done for others who were just as bad off. That's my introduction. If a friend in whom you had confidence presented some one to you and said, "Jack, here's Brown; he has made good with me and I trust him," wouldn't you trust him too?

Now, if you don't feel right, I can cure you with my Electric Belt If you are full of Rheumatic Pains, I can knock them out. I can pour oil. into your joints and limber them up. I have often said that pain and electricity can't live in the same house, and I prove it every day.
for rheumatism and weakness. Que., says : "Your Belt is a wonderful appliance for the relief of poor, surfering humanity. I found a permanent cure in its use The "Free-Belt" not fraud the prejudice, due to the great number of fakes in the land, I would not be able to handle the business that would come to me Bo current at all, have made everyone sceptioal, but I know that I have a good thing, and I'll hammer away until you know dollar or two, which gives in any way you are out of steam. That's just what I want to give you back. It is run by the steam in your blood and nerves. When you begin to break down it has done me a lot of good. In sleep well months yet, but will tell you
501 St . James St., London, Ont. Dear Sir,- - have been wearing your Belt for thirty days, and feel that it has done me a lot of good. The losses have stopped almost altogether and
my nerves are much stronger than they were.-Gordon Dunn, Paris Station, Ont. I now feel like a

I have a cure in every town. Tell me where you live and I will give you the name of a man live business 24 yoars, and am the biggest man in it to-day by long odds. and Now, wouldn't you rather wear my life-giving appliance while you sleep every night, and feel its glowing warmath pouring into you and
taking on a new lease of life with each application, than to clog your intestinea
 Dear Sir,-lt is now thirty days since I started to wear the Electric Bohn Noble, Jr., Hanover, Ont

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