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THE FARMERS ADVOCATE

## THE WEEKLY <br> Farmer's Advocate

Leads the Agricultural Press.
worth twice what it costs.
Compton, Que., Jan. 18, 1904.
Gentlemen, -1 consider the "Farmer's Advocate " the lest farmers' paper published in Canada. It is full of valuable information, worth postal note, for another new subscriber.
"Maple Cliff Farm."
W. G. JOHNSTON

UNEQUALLED IN GREAT BRITAIN
Words cannot express the praise your Christmas number deserves. The illustrations are beau practical and highly interesting ; in short, we have nothing to touch its all-round merit issued by the agricultural press in this country. Cheshire, Fing. G. H. PARSONS

BEST IN AMERICA
Enclosed please find $\$ 1.50$, in payment for Farmer's Advocate" for 1904. I take thi "Farmer's Advocate." I consider it the best agricultural journal printed in
Brome Co.,
H. America.
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MADE HIM SUCCESSFUL.
I am glad the " Farmer's Advocate" is being published weekly. I have taken it for a long time, and to it I owe my success in farming to very great degree
Lanark Co., N.B. $\qquad$
APPRECIATED IN NOVA SCOTIA.
Mr. E. B. Elderkin, Amherst, N.S., President Mr. E. B. Elderkin, Amherst, N.S., President
o the Maritime Winter Fair, writes, expressing Advocate" as a weekly, and the continued evidences of its excellence and success.

TESTED FOR 38 YEARS
I am pleased to note the continued and abundant success attending your earnest efforts in behalf of a greater agriculture. with manhood, my dian farm, where the "Farmer's Advocate" was egarded as a wise and trusted adviscr. My ther, R. T. Ferguson, who still lives on our ome farm, has read your columns since the first
ssue appearcd. He regards your paper as a close personal friend. Personally, I can say that nuch of the early stimulus which led me to pereived from a close study of your columns. During the last ten years a wide and varied experionce in professional and business work has placed he in a position which made possible a comparicountry. The "Farmer's Advocate" has stood the test, and to-day no paper has a higher place in my estimation of what a farmers' paper should be. Your issue of January 7th advises me that hereafter the "Advocate" will he a weekly vis-
itor in Canadian farm homes. Accept my hearty congratulations on this onward move, and my best wishes for continued prosperity. J. FERGUSON. Mgr. Animal Food business, Swift and Company, Chicago

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us help you. Addres. W. H. SHAW, Principa

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vents \& ppping backward. even though the
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COOSIP.
Ing to convert in China was endeavor "Suppose me Christain, me go to heaven ?" remarked Ah Sin. "Yes,"
replied the missionary. "A All replied the missionary. "All lite," re
torted the heathen, "but what for you no let Chinaman into Amelicat fhen you
let him into heaven ", let him into heaven?" "Ah," said the missionary with fervor, "there's no labor party in heaven.'

As an illustration of the alleged im perviousness of a Scotsman to a joke,
the following story is told. the following story is told:
An Englishman, an Irishman and a An Englishman, an Irishman and a
Scotchman, travelling on foot in the Old Country, came to a crossing of roads, Where was a guide-post directing travel-
lers to the principal towns of the dis lers to the principal towns of the dis-
trict and on which was printed the trict and on which was printed the dis-
tances. Beneath this had been peinted lances. Beneath this had been painted,
hy some joker, the following: of cannot read this notice ask the shoomaker across the way." The Englishman and the Irishman, seeing the ab-
surdity of this add surdity, of this addendum, laughed
heartily, but the Scotchman failed to see where the laugh came in, till in the middle of the night as they roomed together at a wayside inn, when the other two were awakened by a loud laugh
from Sandy. merriment, with another guffaw, of his plied: "Why the shoemaker might not
be at home."

Governor Van Sant of Minnesota is a mild-mannered and obliging man, but after a recent incident in which he wes
the central figure sincere feeling : " It's a long worm that has no turn-
ings, and it's about time to turn ings, and it's alout time to turn when I
am made a side-show feature." am made a side-show feature.
He visited the State fair grounds, and entered a restaurant with his secretary recognized, and shown all possible attention, but as he was about to begin eating, he was surprised to hear the "bartk-
er " outside the tent shout, as he swung the dinner bell vigorously: " Step right this way to get your
nice warm lunch. Only chance you may nice warm lunch. Only chance you may
have to see the Governor of Minnesota eat. He is fust sitting down to the
table, and he can't get thrcugh an hour. Plenty of time to watch the whole performance, and shake his hand
when he gets through. Come right in when he gets through. Come right in
and watch him feed, and it won't cost you one cent extra, as long as yout order the regular bill-of-fare."
and the minutes the tent was crowded, and the blushing Governor and his
fidgety secretary had to grin and bear fagety secretary had to grin and bear
it, until they could obtain their pur-posely-delayed orders, and show the
crowd how the Chief Executive "fed" when he was roaming at large.

A clergyman who has just returned from a trip to England tells a story he
heard there of the marriages made certain feast days,, when no fee is charged, and the young couples come in advantage of the custom.
being corffined to certain rural places in the vicinity of Manchester and Oldham. clergyman, with occasions," tells the Hion of fifty young people from Oldham
and the surrounding country and the surrounding country journeyed to
Manchester, making a picturesque group Manchester, making a picturesque group-
ing at the old English church of st. Mark's. Each one of the men carried a long staff or stick, as the people there call a cane, and each or the young wo men brandished an umbrefla,
which will be presently seen.
"A Ater the ceremony of marrying the going down the church aisles, one wai voman hurried back and interrupted the rector as he was going to the vestry.
". I 'that you have morried me to the wrang felly !' Don't let that worry you,' said the rector, who was in a hurry, 'scrt your selves as you go out, you're all married
fast enough,' and acting on his ast enough,' and acting on his advice
they sorted out the right pairs chey sorted out the right pairs.
" On their way back to oldh bought the things necessary to light housekeeping, stringing the Highter kitchen utensils on the sticks and um-
brellas poised on their shouldera."

Bullt with the Old Rellable Thorold Gement．


HOUSE AND BARN OF MR．J．E．REAVELY，AT MARSHVILLE，ONT． （Size of house，88x40x22 high．Size of barn walls，t0x80x10．）


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LEADING Farmers＇Institute speaker the other day warned his hearers against the folly of putting their money into＂cheap seeds，which，like other CHEAP things，are terribly dear and unsatisfactory in the end．＂The thousands of letters that have poured into this office during the past two months prove that the farmers of this country want and appreciate a really first－class weekly agricultural paper．Never in the entire history of the FARM－ ER＇S ADVOCATE did new subscriptions and renewals come in half so readily，and never did so many subscribers take the trouble to write，speaking highly of the paper and con－ gratulating us upon its publication weekly
＂I desire to congratulate you，＂writes Mr．W．H．Harvey，of Huron County，Ont．，＂upon the enterprise shown in making it a weekly，and also upon the excellence of its initial weekly number．＂Mr．Arthur C． Starr，of King＇s County，N．S．，says：＂I am glad you are publishing the pront rank＂Mr．John McGleshan，of Lincoln County，Ont．，pays this front rank．＂Mr．John McGleshan，of Lincoln eounty，Ont．，pays issue of your very valuable paper．I consider it the best agricultural paper printed in the English lan－ guage to－day．I wish you the success in your laudable enterprise which you so justly merit．＂

After receiving a couple of copies of the weekly，several others write in reference to the subscription price of $\$ 1.50$ per year，that they would consider it a remarkably cheap paper at \＄2 per year．Evidently Canada is not the field for＂Cheap John＂farm papers．The farmers of Canada want quality． OUR sPECIAL CLUBBING RATE． Show prospec．One Renewal and One Now Aabscriber．－－ 8250 Every farmer
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## Iowa Bars the Faker.

In his annual report President Morrow, of the Iowa State Board of Agriculture, says

If any excuse ever existed for side-shows and fakers in general, it seems to me that that time is past, and I want to recommend that all such be excluded from the grounds, and that the great Iowa State Fair be conducted on such a high plane as will meet the approval of the intelligent people of the State
The " pea-in-the-nutshell man," and kindred humbugs in the form of humanity, have done nothing to elevate mankind in lowa, or any othe: been degrading.

Directors of agricultural societies in this young country, who delight in the thought of having intellectual people should consider the experience of our American friends. The faker cannot be given too wide a berth in this country.
"All but Perfect."
Mr. J. G. Hurst, Waterloo, Ont., writes : " I
am glad you changed the Advocate' to a
weekly. This was the only thing necessary to
make your paper an all but perfect farmer's
journal. I bespeak for the 'Advocate' greater
prosperity than ever."
A Glowing Tribute.

A Glowing Tribute.
a wehly issue of your
onsider it the best agri-

HORSES.

## Horseshoeing.

ertain amount of that every horseman neculiarities of the knowledge of shoeing. The should be studied in order to avoid accidents to
the animal and expense to the owner. If the the animal and expense to the owner. If the
gait of every horse were true and clean, all that would be necessary in shoeing would be to put the shoes on carefilly, so as to interfere ias little as possible with his natural action, but the natural gait of many horses is faulty, hence we must
endeavor to shoe to remedy different evils. Blackamiths alone cannot be depended upon to do this, for the reason that they have not an opportunity of observing each horse's action, so that it be hooves the driver to understand the situation and its remedies.
shoeing. Many smiths can shoe an old tenderfoot well, but fail when they come to a green colt. In this, they are not always alone to blame. In many cases the horseman furnishes old portance to the first cost, little thinking that improper shoeing may blemish the horse for life, or prevent his sale.
In this article I wish to direct a few remarks to both horsemen and blacksmiths on interfering, proper ground bearings, etc. Some smiths will say they have shod horses with weights on out-
side and inside for interfering, with practically


The same result, and, therefore, have no faith in cording to the horseman's orders, raised on the inside, but the raised heel was so near the center
of the foot that both heels were raised, the outer calk not coming within one-half inch of the floor. foot being liable to tilt either way, and the shins banged to pieces. Any amount of side weight
would not have saved him with such a setting. Spur heels have been considerably used by many
smiths for weighting the outside of the foot, but on our roads, where the center becomes scooped out like a hog-trough, the spurs only tend to
throw the legs against each other. (ienerally speaking, both horsemen and smiths labor under the impression that the particular portion of the heel or back part, and in shoeing often set the inside of the shoe too far under the foot. In my experience the interfering part of the hoof is the toe, and hence shoeing as above only tends to in-
tensify the trouble. tensify the trouble.
I give here a few illustrations, for instance
take Fig. 1, representing an iron ring weighted on one side. Now, if you pick this ring up by the stem and swing it past your own shin a few toward with light side, then turn the heavy side same speed. This would give the shoer an idea
about weighting how about weighting how, where, and why. set squarely on the foot, with heel calks of even
size, at equal distance from the cleft of frog,
which is size, at equal distance from the cleft of frog,
which is supposed to be the center of gravity;
toe calk in center of toe. When finished, the ground bearings of this shoe-that is, the calksshould all sit firmly on a level anvil, as a test
before nailing. The last sentence contains a rule before nailing. The last sentence contains a rule use of a file or rasp will soon bring the calks to their bearings, when all other parts are correct. Fig. 2 is a common shoe set in position, accordsides, and equal ground bearings on both sides With suck eqsoe the ordinary horso will go very well. For a very cluse gning horse or colt, would recommend the shoe illustrated in Fig. This shoe, when properly set, will have a tendency to spread the horse's action. Of course, any horse may touch lightly once in a while; the
weighting, with this peculiar set, will keep the colt or horse from doing any very serious damage to himself. This shoo is intended to be just as long on the inside as the outside, a nd the inside heel calk, having a larger ground bear-
ing than the outside one, makes a good firm prop, as it were ; now, by having a fine calk on the outside and tuaker under the foot, we bring more weight to bear upon it, insuring the ankle
against going in too far. The inside heol may against going in too far. The inside heel may be horses are alike. It will be plainly seen that the ground bearings of Fig. 3 and Fig. 4 are very different. The latter will serve as a hind or front shoe. It is a good one on the knee banger, as well as the horse that interferes behind. a great extent the good that the side weight may do. Of course, spur heels belong to fancy shoeing used on some trotters in fast work ; no good on gravel roads for everyday use.
SANDY COLTS.

Fitting Horses for Spring Work or Sale.
Those who expect either to sell horses in the spring or have thein ready for heavy work, will do well to prepare now, and gradually fit and improve until appearance and muscle have reached a high standard of marketable usefulness. We do not approve, however, of the method practised by many dealers, of adopting rations suitable only for increasing weight, soft fattening food, such as would be considered both economical and profitable were horseflesh sold in this country for table use. Horses thus fattened are usually very attractive to the eye, and, consequently, sell for a high price, but such a course is not advisable, for the reason that fat is laid on rather more than muscle. Another disadvantage of the above plan is that horses so fattened are rarely, if ever, exercised sufficiently to keep their flesh firm and muscles capable of standing endurance. Carbonaceous foods are freely used for the purpose of rapidy increasing weight, and the nature of these is to produce fat instead of muscie.
ercise . ind reed regularly; give plenty of exercise ; increase the ration slowly, making oats
the chief grain portion. These are points that require attention. Barley, or wheat of fair that ity, may safely form from one-third to one-hall the price favors using these grains be oats, and of ration should be made slowly, so as to avoid the danger of disarranging the digestive organs. Boiled barley with a little flaxseed given once a
week for the evening meal is well-known to week as a splendid help in keeping the digestive organs at their best, and also useful in increasing weight. Bran or laxative food of some kind, such as roots, should be fed regularly when hay and careful to groom well, freely.
be careful to groom well, freely using a good real sharp comb, as it not only means cruelty to the horse, but is positively injurious to his skin. A great amount of exercise is required to give ful to insure against the danger of limb be care ness by caring for the feet. Horses should have their feet carefully trimmed, especially if they are young and the hoois growing rapldly. When the of the limb are naturally the ligaments and joints thierefore the more likely to sprains, which strain, ably will result in permanent injury. Ringbones curbs, spavins, etc., are frequently caused by inattention to the feet.
farm or dray purposes when breaking colts for farm or dray purposes, that every effort be made
to induce them to walk up smartly, and if this be persisted in the lesson will not be easily forgotten.
good muscle-forming food, with regularly, using laxative nature to keep, with sufficient of a order and the coat silky ; care for the feet, either by trimming or shoeing; give abundance of ex give careful and regular paddock or in harness ;

## JANUARY 21, 1904

Size of the Hackney.
the Editor "Farmer's Advocat
During the last Industrial Exhibition held in Toronto, a party of Americans living near Buffalo vestigate the suitability of the Hackney and to ining on big, useful Standard-bred mares to produce horses with style and action. After looking over all the Hackney stallions in the stables (and as
good Hackneys can be found at Toronto as at any other exhibition on the continent), they were unanimous in their opinion that such horses were not sufficiently large for the purpose for which
they were wanted. This instance is cited because it reveals the attitude of a large class of horse has not enjoyed the extent of prosperity that the soundness and general attractiveness of the breed would seem to warrant. In England, many reasons have been given for this. Some say it is characteristic to show purposes, others that type is not right, but a writer in an Old Country contemporary comes out flat-footed and attributes it all to the Hackney's lack of size. He does not think that the stamina of the breed has in any
respect been impaired, but he holds that what respect been impaired, but he holds that what
the market requires, and what breeders ought to supply, is a horse sufficiently big to meet the
dealers' requirements. If Hackneys 15.3 hands, dealers' requirements. If Hackneys 15.3 hands,
and with the action, the stamina and the courage which they possess, are bred there will be no fear to some extent that sweetness which is character istic of the 15.2 -hand horse, or under, yet this sacrifice can easily be made when the advantage is expressed in dollars and cents. It should not
be difficult to breed Hackneys this size, for the simple reason that most breeders have in the past been trying to keep the size down to 15.2 hands at most, and when the craze for small things was at its height, there was a big demand for
mares about 15.1 hands, depending upon the sire o impart any extra size required. It is to be hoped that, for the sake of the future of the breed on this side of the water, the advice of the English writer will receive considerable attention, for
if the Hackney could boast of a little more size the Hackney could boast of a little more size,
would be a much more popular horse to use upon many of our rather small road mares.
Simcoe Co., Ont.

## Developing Action.

Every horse is naturally endowed with more
or less capability to display himself, tut whether he improve or mar his natural tendencies depends
upon the education or training he receives. Many of the best show horses have acquired their proud a few being possessed of these qualities without the aid of teachers. The education of a young horse to methods of good behavior is not a very
difficult or tedious task. It consists in develop ing a habit, and habits once acquired soon be
come second nature. Of the methods frequently used to improve action, one of the most common is to use weights in the shoe; on the hoof, or in
the shape of ordinary fine bird shot continud in the shape teather tube, on the ends of which contined in a leather tube, on the ends of which are a strap
and buckle, the whole being covered with buck skin and strapped around the leg just above the corone

Another plan is to exercise the subject over bed of straw, or other resilient or springy ma-
terial. The yielding of the straw at every step will make him bend his knees and hocks and lift his feet high to clear the ever-present obstacle, The old practice of chreshing peas on the barn floor, by treading with horses, was one of the some cases a ditch three or four feet wide is dug and filled with straw, tramped and filled again until the straw is level with the ground. In this ditch the horse may be worked until the neces-
sary amount of daily exercise has been given. sary amount of daily exercise has been given.
Some trainers prefer the plan of laying railway ties along the ground at regular intervals,
according to the length of the stride of the according to the length of the stride of the
horse. Over these ties the animal is trotted being forced to pick his feet up high and clean so a good substance in which to exercise a horse o develop action. These are some of the com-
mon methods that can be used on any farm but other practices more complicated may be necessary or advanced performers. - ald cases where to exercise the pupil to leg weariness. The habit of lifting the feet is only acquired when the mus-
cles are strong and fresh. ing youm a renewal of my subscription to your valuable ing you a renewal of my subscription to your valuable
paper, and also a new subscriber, I would like to say
that I have heen a number of years, and I like it very much. I I would
not be without it. I consider it the best farmer's not be without it. I consider it the best farmer's
paper published, and as it is to be issued weekly, it

THE FARMERS ADVOCATE
Some Abuses to Which Subjected.
As a matter of course, the usefulness and comfort of horses are influenced greatly by the care and attention they receive, as well as by the food difference or ignorance on the part of thess, in taker is responsible for discomforts and consequent impairment of the usefulness and, possibly, without expense, further than and trouble. For instance, damp stare care comfortable and unhealthy. There certainly are stables so situated that there is a great tendency to dampness, but with few exceptions a litcle
trouble taken to prevent the water from entrance will be effective ; in others, where this cannot be done without considerable expense some care taken to allow its escape will, at all events, prevent its lodgment under or upon the spring to observe stables in which there is the siderable water; possibly the stall floors are above the water level, but when he steps back in the wet. This indu out he gets his feet and pasterns kept in such unsanitary to extend upwards and develop into what is calley mud fever. I have seen such a state of called where a couple of hours' work with an old axe


Clydesdale Stallion, Pilgrim 2020. Property of Mr. Robert Menzies, Shoal Lake, Manitoba.
and a spade would have made a drain by which conditions of this kind will disapeared. Of course, stable of a careful, tidy man who occur in the fully, not only his horses' comfort, but his careprofit; but, unfortunately, all horse owners are ot tidy and considerate. Dampness may come stop the leaks. From whatever shingles would dampness in a stable comes, it should, if possible, le remedied. If this cannot be done and vided as soon as possible quarters should be proenders the horses uncomfortable but not only disease, and in many cases is the direct cause DARKNESS.-Another cause of discomfort horses is darkness, or semi-darkness. All parts of the stable should be well lighted. In many were built some thearse in basement barns that and the light for the whole stable coilings are low, one or two small windows behind the horses The horses, when in their stalls, are facing away from what little light there is, and, hence, may be said to be in practical darkness. This has a
tendency to weaken the eyes and render susceptible to disease, and also lessen the animal's comfort. Where practicable, horses should stand in stalls facing the outside wall of the front of each horse, but in many cases, in stables of the kind referred to this especially ticable, but, at all events, with little expense
necessary to reach the skin, and thereby on so hidden dust or dirt that is necessary for the com that and well-being of the animal. In order thoroughly will feel comfortable, he should be work during the day has been sumg, and if his perspiration, the thoughtful teamster will not the him for the night before giving him anfeel better, grooming. A well-groomed horse will given amount of feed than the same horse whose grooming is neglected.
BEDDING
whether working or idle every twenty-four in a recumbent position, and it goes without saying, the more comfortable he is
the better he will rest ; and in order that he may be comfortable it is necessary that he he may vided with a liberal supply of clean, he be proor a good substitute. A horse cannot rest comfortably on bare boards or on damp, foul litter, neither can he be comfortable in a stall that is
not cleaned out regularly. The accumulation noth solids and liquids to any considerable of tent creates heat, gases and foul odors, that are not only unpleasant to the horse, but unhealthy. than in an open bene, but it is well-bedded box stall especially where several horses are thacticable, a box for each.
FEEDING. FEEDING.-Careless feeding is responsible for
many discomforts in horses. many discomforts in horses. Horses should be ceptions, when thirsty. He should be given only
as much food, either grain or hay, as he will eat at that meal. The practice of keeping his
manger full, or partly full, of hay at all times is manger full, or partly full, of hay at all times is
not only wasteful but harmful. He should be given only what he will eat, and then the next feeding time he will be ready for his food, and
will receive a fresh supply, instead of having to will receive a fresh supply, instead of having to become more or less distasteful, by reason of having been picked through, breathed upon, etc., etc. There are many little discomforts to which
horses are subject, such as failure to clean the horses are subject, such as failure to clean the feet out daily, failure to knock snow or ice out
of the feet in winter time; failure to keep the collars clean and the harness fitting well; failure to cover when standing in cold weather; carelessness in allowing him to stand facing a cold wind when it would be little trouble to turn him the other way. These little discomforts are
vating, and should be as carefully avoided as
have detailed.

Importations and Customs Valuation of Horses.
In the " Farme Sthation valuation of horses imported into Western Can-
ada, and-the evil effects that result from the wholesale dumping of an inferior class of horses that is encouraged by such a policy. During the last couple of years this has become a live ques tion with those who have at heart the interests
of our horse breeding and ranching industries of of our horse breeding and ranching industries tions of Manitoba and the Territories framed passed and forwarded to Ottawa resolutions urg ing the Government so to alter the regulations as to make impossible the practice of dumping i than useless horses. These associations have wisely followed up their memorial with one in rather more tangible form, and have sent, in conjunction with other Canadian Horse-breeders bers of the Government.
The deputation consisted of Messrs. Henry Wede, Toronto ; Peter Christie, Manchester; Joh Bright, Myrtle; Henry Robinson, 'Toronto; Wm Hendrie, Jr., Hamilton; Wm. R. Stewart, Mc house, Weston ; Samuel McBride, Toront Gard Dr. Creamer, Qu'Appelle. Those of the Government present were Sir Wilfrid Laurier, Hon. Mr Fisher, Hon. Mr. Fielding, Hon. Mr. Sifton.
the poor class of hed that the importation they be valued sufficiently high to make it profitable to bring them in under the present duty. In 1903 there were about 21,000 horses mported in the poses. Such wholesale importation troduced a poor class of horses, and paved the way for poor horses for generations, but also so deluged the market that a fair price was not af Horses were needed, but a good class of horses. a decided detriment to the country were such was made to the abuse of the homestead regula tion which provides that each man coming into tixteen horses fring with him for his own usd sixteen horses free of duty. Many are thus
frequently brought in, and instead of being held for two years, as the regulation requires, are immay be in
Anothe
y deprecated, was the importation of strong stallions. Many settlers when coming across the
ine brought with them grade stallions as working horses.
used in the stud could
Several speakers also urged the establishmen of a national register for all classes and breeds
of live stock under national control. it was said, would be a standard to regulate the importation of animals free of duty, by requiring
all breeding animals to be first registered in it. In replying to the delegation, Hon. Mr. Sifton said, regarding the general importation of scrub stock, that owing to a question of tariff being involved, an opinion could not be expressed on The abuse of the clause respecting settlers'
fects called for consideration, and if it that undesirable stock were brought in under there was no reason why prohibitory regulations
should not be carried out in the most effective

> The Minister of Agriculture, Hon. Mr. Fisher, icers, relative to what pediWhile feeling that
stockmon from unreliable herd and stud books He was confident that arrangements could bo meet the requirements of the case without legislation. Referring to the nationalization of herd books, he said that if the live-stock men of the country asked for it, the Government was pre-
parod to carry it out. Closing, he mentioned the meeting of live-stock men to be held in Ottawa in March, when this question, among others of importance to the live-stock industry, would be discussed by representatives from the
organizations of the various Provinces.

## Draft and Sore Shoulders.

the Editor "Farmer's Advocate ":
Sir,-I have taken your valuable paper' duris the past year, and enjoyed its pages very much. A good farm paper, such as the "Farmer's Advo-
cate," is something that the progressive farmer cannot very well do without. It puts men thinking, puts them experimenting, causes them to converse and interchange ideas upon various subjects many to your paper. I have almost been tempted to write myself sometimes, when subjects of interest arise.
or instance; on page 948 reference was made Now, what the top of horses' necks, under collar all right, but perhaps the most important thing was left out-that is, the draft must be brought to bear right upon the shoulder. If the neck be too low: raise the draft, so that the collar wil draw off the horse's neck on top while working The collar must fit. Buckle the harness tight, draw the collar close to the neck. If the upper draft ; if the lower part of the shoulder lower the sore, raise the draft; also, wind something around the collar to ease it off the sore place. I re member seeing a good horseman with his team on the binder with sore necks on top. He had his harness wide apart at the top, so as not to
squeeze the sore spot: the result was that when squeeze the sore spot, the result was that when to the top of the horses' necks, the draft being
But to change the subject. Find enclose But to change the subject. Find enclosed r's Advocate " to the two addresses given.
Perth Co., Ont.
H. D. ROY.

## Wintering Idle Horses

great many horses will have nothing of why count to do, a few words might be said about eas care of such. They should have plenty of is a good plan to turn them out for an hour It so every day, when the weather is not too rough This is valuable in many ways-it will have a lendency to give the horse an appetite, keep his
legs from swelling, and keep his muscles firm. As for the feed, I prefer giving, say, three quarts ther two meals, and a turnip or so at the This, with a bran mash on Sunday morning, will form the grain ration. I also prefer giving hay
twice a day and straw twice, but in case hay cannot be had, good clean straw will do. Never time, about what he will eat in an hour being
sufficient; what is left after this time should be eady for it. I always like to hear, and think it is a good
so hear, the horses whinner when I come in
the stable about meal time. It shows, I think, hat they are ready for a good meal, and also in
good healthy condition. YOUNG HORSEMAN
Huron Co., Ont.

## Special Clubbing Rate

In order to greatly increase our subscription ist, we make the following liberal club rate : renewal and two new subscribers, $\$ 3.25$. Regular subscription price, $\$ 1.50$ per year ( 52 numbers). Show prospective subscribers a copy of
the weekly. Every farmer shiould have it. Adhe weekly. Every farmer should have it. Ad-
ress, "' Farmer's Advocate," London, Ont.

## Montana is Feeding Sheep.

 Fifty thousand tons of alfalfa clover, repre-senting an actual cash value of no less than
$\$ 200,000$, is being fed to no fewer than 200,000 sheep in that part of the Yellowstone valley of not botween Billings and Park City, a distance zette. The value of the sheep themselves cannot
be well told, for in attempting a computation various items and malters must be considered, the
quality of the mutton produced, price of sheep quality of the mutton produced, price of sheep
when marketed, and other considerations which

## STOCK.

## Care of Brood Sows.

On the treatment of breeding sows during the winter very largely depends success or failure in that is keptt corng her pigs when born. The sow and fed upon a diet of only one tind ex for whether of grain or of sloppy food, is liable to produce weak, flabby pigs, a large proportion which perish within a fow hours of their biuth Free exercise in a barnyard, where the sow man gratify her natural desire for variety, will cortainly have a healthful influence upon her spring. Pigs born in summer or fall, when the sows have liverty to run upon the ground and the grass, are generally stronger and more likely rule. This fact should teach the wisdom of ing the sow, in winter, conditlons as near tho of sunumer as is practicable, by allowing her to range as much as possible, to have access to the ground when it is bare of snow, scattering grain exercise while eating sluwly, by giving them roots preferably mangolds or sugar beets, as part of with bill of fare, and, when the ground is covered house Cold carrying earth to them from the root for the sow's digestion or for the well-being the pigs she is carrying. It is better to feed the grain or mill feed dry, and give the drink in separate trough, where the sow can take it as she needs it, instead of being forced to take a lot o One of the most successful pig-breeders we know and one who has been unusually fortunate in raising spring pigs, feeds his sows, in moderation cut clover mixed with pulped roots, and a little the elements of nutrilion that posing in other farm foods, and is the best substitute in winter for the grass of sumner. cut clove vere steamed and led as part of the ration of all in maintaining the wealth moting growth of flesh and strength of pro Where only two or three sows are kept and no cutting-box is used, the clover leaves found where may be is thrown from the mow for the cattle done. Useful as are roots for sows it is quit possible to overdo the feeding of these, as quite ontain an excess of water, and may have the il effect as an excess of swill. A whole mangold hrown in the yard or pen, lo be eaten piece heavy feed of sliced will be more helpful than a meal, tempting the sow to eat more than she really requires.

## Cheap Feeding of Hogs.

hogs is low, form the price of possible. A warm house is essential cheaply as should be in the hogpen in winter, then the nimals require more feed
Some farmers say hogs will do as well on maw food as boiled; that may be, but it takes more raw food to make the same amount of fat by far mixed when boiling with a mangels boifed, and chop, is the cheapest feed for hogs in winter. serve when warm as much as possible, and give them plenty, but no more than they will clean up. Grain can be saved in this way, and money object to boiling roots, because it takes extra work, but it takes less grain, and the hogs fatten quicker and look healthier when fed boiled roots. The best way is to boil the roots in one end of chafi or cut straw, and harticular care sheld with Caken to have the pen cleaned out regularly and the bedding kept dry, and the hogs will look Sulpher healthy
a flat box in the and charcoal should be kept in prevent disease. Hogs a good appetite, and will of rotten wood if it is will devour a great deal
them from eating them. It prevents them from eating their troughs and other part of the pen. They should be let out twice a week, or of ener, for exercise, as it strengthens their
muscles and bone. If the pen is warm it should muscles and bone. If the pen is warm it should of stock, require a certain amount of fresh air in order to keep healthy. Feed regularly air in
times a day and times a day, and give water or swill in a sep-
arate trough. In this way hog-raising can be
made a success. made a success. The "Farmer's Advocate" is the best farmers' paper in Canada, and if these
rintes on my experience are any help to others,
you are welcome to them.
COOK.

## Sheep Notes.

Shoep require a variety of food to form flesh With sheep, rather more than with auy other class of stock, care must be taken not to over-
feed. ove
and ruinous to is usually injurious to the sheep Dryness is one of the re
duction of the finest grades of wools in the pro-
No sheep should be allowed to die of old age, but all should be fattened and sent to market be Sheep are naturally gregarious. When one is scen ty itself, something is evidently wrong.
In commencing to
fatten sheep,
the feeding In commencing to fatten sheep, the feeding Arease the amount of the ration.
A small, fat gheep will always
cring better prices than a large, poor one. Sheep are almost essential
Keep the cleanliness of the land
Keep the quarters clean. Sheep do not need manure to keep them To have good-sized sheep, they must be grown
rapidy while young, and it is important to give
them a good start. When sheep lose
heart or bellies, it indicates a feverish condition and is usually the result of improper feeding.
Sheep thin in flesh have weak digestion, but
even the strongest are easily injured by feeding even the stronges
grain too heavily.
It makez considerable difierence in the quantity and strength of the wool whether or not the sheep have even, regular conditions,
When early lambs are
inust be taken to provide warm dry especial care order to avoid losses. $\begin{aligned} & \text { Revide warm, dry quarters, in } \\ & \text { orep the ewes in a good, }\end{aligned}$ hrify thrifty condition.
bad teeth, should be fed from any cause have shat teeth, should be fed ground feed. Such
sheep are rarely profitable.-[Scottish Farmer.

## Our Scottish Letter

Many problems a wait settlement in connection ously dealt with on both sides of the Atlantic see the subjects discussed at Guelph bore on this 1o some extent. Here we have had various tests,
resulting in useful lessons. resulting in useful lessons. A test combining
questions of manuring as well as feeding is being carried out at Cockle Park, the Northumberlang Experiment Station. There an old pasture was manured with dififerent forms of plant food. Their cifcacy was tested, not merely by the appearance
of the pasture, but also by the succesa pate the grazing of sheep on the various plots. Thes tests are popularly known as the Manure and $\frac{\text { Mutton experiments. They have suggested simi- }}{\text { lar lines of }}$ lar lines of inquiry to other experimenters, which
are being eagerly followed up Recently relative values of superphosphate Recently the
and basic have been tested in connection with a sheep-feeding experiment on turnips. The result is some what of a surprise. During the earlier stages of
the test the roots grown with superiogosshate the test the roots grown with superphosphate
yielded the be:t results. They were the heavier crop, and the sheep seemed to were the heavier progress on then. By By and bye more rapid
changed; the roots grown with basic slag wene changed; the roots grown with basic slag were the better quality; they were of greater feeding
value, and lasted longer. with the the slaughter test came into force, that the when con grown on the basic slag roots was superior and the sheep fed on them better by 15 per cent than those fed on the competing roots. This is learn from it not only something about manuring but also a good deal about feeding. manuring One of the sensations of the hour is the new
variety of potato called Etdorado. It was brought out by that potato-growing expert, Mr. Arch Findlay, Markinch, Fifeshire. At present there Four pounds than six thens of it in existence.
Smithfield show potatoes were sold at Smithfield show for $£ 600$ or about $\$ 750$ per
cound. This is a fabulous for round. This is a fabulous figure, and puts out
of court the time-hanored of court the time-honored theory about certain
things being worth their weight in gold. It must now read, "Worth its weight in potatoes." It must
production of nety is oduction of new varieties of secds of all kinds is one of the recent agricultural developments.
Mr. Findlay has made a gecial stady of potaMr. Findiay has made a special stady of potaches, and has produced some of the most success-
fuveracieties ever put upon the market. The
ave life average life of a new variety seems to be about
ten years.
Disease at first is unknown amongst the new kinds. By and bye they seem to lose and ere a decade has passed the tubers are out, Of the race, and new sorts have comé' into being Nearly all the great seed and root firms give atcome fail. Mr Findiness. Some succeed, and some fail. Mr. Findlay confines his attention to
potatos, and has had wonderful success with
several infancy. The favorite, because more plentiful, is
the Northern Star. It is anoter or
the 's creations, and is is another of Mr. Find- big, well-built animals, with plenty guality been before the public for a longer time than the with luck will show say that $S$ mith \& Richardson Eldorada, and a greater quantity of the seed can Toronto spring event. Other shin while at the be bought. It, too, was selling at an abnormal gure at Smithfield
There Chamberlain's crusade proceeds apace man of the doubt that the vigorous M. P. is the mun the Empire. Ont. It looks as if he would
On the whole, I I should be disposed to say that he has a very large body of has a majority of the electors will nothether


Groff's Prizewinning Herd.

until the general election comes round. The net result in the political world so for has been to
disintegrate all existing parties. disintegrate all existing parties. The sectional
cleavage is amazing, and Mr. Chamberlain's own cleavage is amazing, and Mr. Chamberlain's own
party, the Liberal Unionists, is worse hit then party, the Lhberal Unionists, is worse hit tha
the rest. The main question with one is, "What would be the effect of Mr. Chamberlain's proposals on agriculture?" That Canada and other colonies would benefit hardly admits of question.
But the betterment of the demand for produce here would only intensify the keenness of the competition with which the British farmer has to contend. How he is to benefit from the proposed fiscal changes is what $I$ do not under-
stand ; but he seems to expect to do so and is stand ; but he seems to expect to do so, and is
supporting Mr. Chamberlain all he knows Reporis have come to hand regarding the great shows at Chicago and Guelph. I am glad to see that Canada has been doing well in the big conexceedingly strong hand in the black horso got an hill. He was a good horse here and is Cairn one anywhere. The quality of the Clydesdale exports to Canada in 1903 has been worthy, and a Good lot of horses left about a fortnight ago. \& Re most extensive shippers were Messrs. Smith was on the ground himseli, and took an equal number of horses from Mr. Peter Crawford, Dargavel, Dumiries, and Messrs. A. \& W. Montgomery, Kirkcudbright. He had some horses that
will take a bit of beating have made their mark on this side. They are


In Winter Quarters.
A berdeen-Angus grade calves in the feeding yard of the Bow River Horse Ranch Co., Cochrane, Alta;

## FARM．

## The People＇s Verdict．

 S．＇D．Crandall savs：＂I found it easy work toobtain a new subscriber，when you give so much value tor the money．I would not part with your valuable
paper were it $\$ 2.00$ a year．It is the farmer＇s friend．＂ Altred Deller．Oxford，Ont．，savs ：＂I would not
I shall like to form without the $\cdot$ ．Farmer＇s Advocate．＇I shall
like it better than ever a welly and had I a little more time at my disposal，should canvass for it．＂．． like the＇Farmer＇s Advocate and Home Magazie．＇and
believe it is the best paper that comes to our office．＇ Thomas williamson，Grey Co．，Ont．，says ： of of $I$ think it is the best farmer＇s naper that can be got．

Peter Gilchrist，Ontario Co．，Ont，writes ：＂I think every Pr
helpul．
George Graham，Hurun Co．，writes as follows： The Advocate＂is one of the best papers in the Thomas Hislop，Oxford Co．，Ont．，writes：＂I do not see how you can do so much or the money ：the
Christmas number，alone，was well worth it．You are taking a large undertaking to issue $e$ meekly．I wish you every success．
Q．D．Ledlow，Cadell，Ont．，says：＂I am well
pleasod with the ${ }^{\text {F }}$ Farner＇s Advocate．
I think there s no other farm paper equal to it．＂．
Enos c．Shantz，Berlin，Ont．，writes：II I have been A reader of the Advocate＇for many years，and bik
it well．There are more valuable things in it than can make use of，but there，are always some things that man can keep and
Wm．A．Hill says：．Enclosed please find my re－
newal，and one new subscriber＇s name for your valuable paper，the $\cdot$ Farmer＇s Advocate， for over twenty years．We dropped it a time or two otry other agricultural papers，but none fill the bill
fike the＇Advocate．＇It is truly the farmer＇s advocate and every farmer should be its advocate．
Enos S．Hunsterger，Waterloo Co．，says：＂May
our worthy paper keep on prospering as your worthy paper keep on prospering as heretofore
We think it a high－class paper all round．It is clean and elevating from cover to cover．Hoping it will no sacrifice anything in quality for quantity in futur H．M．Hicks，Victoria Co．，Ont．，writes：＂I an
and subscriber．
The ．Advocate welcome and proftabe visitor，and 1 am pleased to
know that it will continue to be as know that it will continue to be as good in the fuure，
and twice as frequent．You deserve the best support of the farmers of Canada．
John Fyfe，Huron Co．，Ont．，says：II received
he christmas number，and am more than pleased with it．You must have a large subscription list，or you
could not print the．Advocate＇weekly for $\$ 1.50$ per

## The Wheels of Wagons

With the object of throwing some light on the question of the intuence of the widh of tire and
t．eight of whels on the dratt of farm wagons，the Missouri Experiment Station conducted some The series of tials was made on macadam，gravel
and dirt roads in all conditions，and on meadows， pastures，cultivated lields，stubble land，etc．With
a net lad of 2 ，voo pounds in all cases，three sets iront wheels， 44 inches，rear whels， 55 inches． Aedium－liont wheent，${ }^{\text {inches．}}$ Low－iront wheels， 24 inches，rear wheels，
conclusions reached were，in tries，as follows： Ftandaid height drew lighter than those with lower wheels，The difteence in favor of the standard wheels was greater on rooa suriaces
bad condition than on good road suriaces．Lo wheels cut deeper ruts than those of stancar
The vibration of the tongue is greate in wagons with low wheels．For most purposes wagons with low wheels
those of standard height． Wagons with broad tires and wheels of stand room in turning．Diminishing the height of wheel to from 30 to 36 inches in front，and 40 to 4.1
inches in the rear，did not increase the draft in inches in the rear，did not increase the draft in
as great proportion as it increased the con－ enience of loading and unloading the ordinary
 creasword the drats in greater proportion than it thed in contencice．On good roads，increasing
the same length．Wagons with the rear axle longer than the front one require wider gateways
and more careful drivers，and are，on the whole， and more careful drivers，and are，on the whore，
very inconvenient and not to be recommended for farm use．The best form of farm wagon is one with axies of equal length，broad tires，and
wheels 30 to 36 inches high in front，nnd 40 to wheels 30 to 36
44 inches behind

## The Daughter＇s Portion．

Sir，－A writer in a Scottish paper recently as prevalent in the British Islands as in Canada． and which，like the hobgoblins of our childhood days，has the rather peculiar attribute of exist－ ing，for the most part，unnoticed，most of all，by The very persons upon whom it fastens itself most firmly．This malady is a somewhat difficult one to diagnose．Were it not that it exists among the most affectionate and＂feeling＂of people， one would be inclined to think that its chiel symptom is insensibility ；and were it not that been obliged to wear＂spectacles，＂one might been obliged to wear spectacles，one egight short－sightedness at least，if not partial blind－ ness．In short，the malady to which we refer is the almost wicked neglect of which many of even the best people are guilty in failing to make any provision whatever surs
erly irresponsible，so far as their existenceorchoice of sex is concerned．They find themselves in it and that is all there is to be said atbout it used well，clothed，fed and petted，happy as birds in June free as the winds that blow，with no thought of the struggle for food and clothing and shelter which engrosses the great mass of man kind，and should be a matter or disregard to all are happy and prosperous． But to too many of these girls there is all Possibly the father dies，and the old home passes into the hands of the eldest brother．This happiness than the bevy of sisters，who now become to him，though he may be ashamed to own it somewhat in the way．The＂upshot＂of it all is that，one day，he brings home his bride，and from that hour the sisters reallze that，much as worked in it and for it，for them it is now no longe ＂home．＂At last they know what it is to say，
＂I have no home．＂ case．We have in mind one which，we have no besitation in saying，is duplicated－no，muliplied－
many times over each year in every township in many times over each year in，every township in had a large family of boys and girls．All work，d at home，the girls doing as much，in proportion
to their strength，as the boys，and the fanily was an exceptionally happy one．Some of the girls married，but there were still three who did not．
At last came a year in which both parents died． The entire property fell into the hands of the
boys，five or six hundred dollars only being left married，a neighboring girl coming on the old si．sters did not expect their brothers to remain
single on their account．Nevertheless，at ＂single＂on their account．Nevertheless，at
more than thirty years of age，they found them－
selices practically turned adrift on the world， without any experience in breadwinning，with
neither training nor knowledge of any market value，and with a pride（alleit a false and foolish
one）which made the idea of going out to Bitterest of all was the thought of leaviny the old home which their hands had helped to make
beautiful，and which was invested with the sanctity with which＂home＂can only be en－
shrined to a woman． Yet，girls left in such a predicament as this
must live．They cannot remain where they ar must hive．They cannot remain where they are
not wanted；hence，before them are two
alternatives－they must either marry somebody at once，or turn out and earn their own living．
Possibly there is a chance for a happy marriaye． Possibly there is a chance for a happy marriage． Then the problem is solved in the easiest way．
On the contrary，an opportunity of any kind of a
marriage may not present itself，or one may come marriage may not present itself，or one may come
which is repugnant to every inclination of the qiil＇s Hature．Rather than face the Charybdis of Which her imagination，all untrained in the ex－ many a pirl，more willing to put up with evils
whose name she knows than to risk encountering whose name she knows than to risk encountering
unknown inls in knocking about the world alone，
lets hersidi dift with the current，and maries
marries for a home＂seems to come out all ight．He may prove better than she thought， going sort of a nature that is easily satisfied， with food and clothes，and money to spend．But to the highly－strung，intellectual，finely－constituted girl the experience is a different one．She can－ highest and best of things to the lower level of one who is，in ever＇y way，perhaps，coarser and less noble than she．She feels that her promise to＂love＂has been a lie，and that she is living
far below the standard of the ideal wife she has thought of．she feels that her whole life is a living lie，and little wonder is it if she becomes warped and soured－the very opposite of the woman she would be．，Such a carcer as this is many parents the only thing seems to be to get their daughters married off to the first＂re－ spectable，＂well－to－do fellows who offer them－ selves．It is worth remembering that there are respectable people and respectable people，and portant as that of respectability On the other hand，suppose the girl has enough strength of will to form the decision of making her own way in then，wher with especial talent or ability，her path is not likely
to be strewn with rose leaves．Perhaps she is willing to encounter a few thorns，but she has a right to a reasonable amount of happiness，and a rather continuous thorn is likely to be the trouble of finding a desirable situation．Constitutionally， ＂he has not the strength to turn her hand to training nor experience，she is likely to encounter good many closed doors． provided for？＂，The Hindus may the girls be solved this question very easily by dumping the surerfluous daughters into the Ganges，but，since our civilized government might interfere with something else must be done by the parents who to hold their daughters dear． In answer，we shall quote from our Scottish
writer，who，in seeking for a solution to the writer，who，in sceking for a solution to the
problem，seems to have hit upon more sense than nonsense．＂There are some things，＂he says，
＂that the French manage better than we，and
＂t that the French manage better than we，and vision for their daughters．When a baby girl is
vis．
vis． born，the father－if he have any respectability or thrift－tegins to lay past a yearly sum for her cowry，Let the infant have a bank－book
from her birth，and the father add to the account every year according to his means．When she marhes woman＇s estate，this sum may form her
mortion，or it may put her through a business training involving more expense than the father＇s income could stand．It may stock a
poultry farm，or start a market garden，or it may poultry farm，or start a market garden，or it may
lie untouched，accumulating till the day when she will be left homeless．The surest provision
nf all is to pat her in the way of carning her own livelihood．Farmers＇daughters are so fortunate－ ly situated that many of them can stay at home
and have a business of their own at the same time．Let one make a practical study of poul－ means open to her of perfecting herself in her own at home，but in case of need she will have a good chance of finding a situation elsewhere．＂
We believe in our Scottich writer＇s advice that it hurts no gill to have an independent
means of earning her own living．Whether the means of earning her own living．Whether the or teaching，or sewing，or cooking，or journalism， or typewring，or bookkeping－whatever it may
be－her training in it should be as thorough as
possible．There is little room in the possilile．There is little room in the world to－day
for unskilled workmen．Morcover should le congenial．It is not enough to say： ＂Mary must sew，＂or＂Mary must teach．＂
Mary＇s taste and ability should be consulted． matter what line she enters upon，but that work may be a happiness or a misery to her，accord－
ing as it is the thing she is adapted to，or the cong as it is the thing she is adapted to，or the
contrary．By all means，let Mary feel that she contrary hy at means．Iet Mary feel that she fear is forever removed from her．In one way
or another，provide for the girls．One question in closing：Setting entirely aside what custom
may prescribe in the Old Iand，when the Cana－ may prescribe in the Old Iand，when the Cana－
dian farmer mahes his will（which every prudent man should do in good health），why should not
the daughters receive a fair share of the property THE Toiler．

Dakota Giving up Flax

JANUARY 21, 1904
B. C. Experimental Farm Crop Report OATS are enumerated frat, belng, on the lower math land, the most important cereal. It may be mentloned her varieties, espectilly if erowing the to avoid the blaci purposes. Millers disalike bnack this cereal for milling purposes. Millers dislike black oats exceedingly, as the food will often make people suspiclous that the excreta of mice has become mixed in, with the consequent re black eye. All varieties were planted on the same gets day, Aprit 17 th
Dato of
Ripening
Aug. $12-$ millford (w)-Yield, 82 bu. 32 lb ; ; straw, fairly stiri; charac
head, sided.
${ }^{\text {s-Helland (ided (w) }} 82$ bu. 32 lb .; straw, good
grain, good; head, sided.
3-Bavarian ( $\mathbf{w}$ )- 82 bu. 22 lb. ; straw, medium grain, good; head, branching.
1-Sensation (w)-80 bu.; straw, good; grain, good; heard, branching.
2-Columbus (w)-78 but, 28 lb.; good; grain,
grain, very fair; head, branching.
10-Tartar King $(\mathbb{W})-77$ but 22 1b.; straw,

-Abundance (w)-75 bu. 30 lb ; straw, medi-
um ; grain, good ; head, branching.
2-Ollive White, 74 bu. 4 lon,: straw, medium
grain, good; head, sided.
White Giant-73 bu 28 lb .; straw, stiff
grain, fair; head, branching:
-Cromwell- 73 bue. 18 lo lb . straw, stif and

grain, very fair ; head, hal-sided.

- Waverley -72 bu. 12 lb . stranw, stifl: grain

Grain, Good; head, sided.
17-Golden Tartaria- 71 bu. 26 1b.; straw, stif
grain, very fair; head, sided
14-Golden Fleece- 71 bu. 6 lb .; straw, medium
grain, good; head, branching: straw, stiff
14-Early Gothland-69 bu. 14 1b; stan
and clean; grain, good; hend, braching.
13-Silerian, o. A. C. -69 bu, 4 1b.
grain, very fair ; head, branching.
 Swedish Probestein-67 bu. 8 it. i. straw,
stiff; grain, good ; head, branching

grain, very fair: head, branching.
Hazlett Seizure-66 bu. 6 lb. : straw, stift
grain, good; head, branching;
$12-$ Early Blossom-65 bue. 30 Hu ;

 As stated previously, many lower yielding varieties
 fifth place in merit of varietios.
Wheat-all sown April 18th
Aug. $10-$ Percy-Yield, 46 bu 40 lb ; head, bald
chaff, red; straw, stiff and bright; rust
chaf, red; : straw, stiff and bright; rust or
smut, none. red; straw, stifl and bright; ' rust or smut,
10-Advance- 42 bu. 40 ib, ; head, bearded; chaft none. straw, stifl and bright; rust or smu whter- straw, stifir and bright; rust or smut, 8-Hastings-41 bu. 40 It.; head, bald; chan
white: strave medium britht. White ; straw, medium bright ; rust or smuu $11-$ Bishop-41 bu. 40 lb ; ; head, bald; chant
white; straw, medium bright; rust or smut, hone: -41 bu. 20 lb ; ; head, bald; charf
- onarch -41 none.
Cartier-41 bu. 20 lb .; hend, bearded; chant white; straw, stiff and bright; ; rust or smut, White Connell-41 bu. 10 lb ; ; head, Hald or smut, none.
Clyde- 41 bu.; head, bald; chaff, white straw, stiff and bright; rust or smut 19-Wellman's Fite-41 bu, : head, hald; chart,
white: none.
Alpha- 40 bu. 50 lb ; head, bald; chart red; straw, stiff and bright; rust or smut Laurel- 40 bu. 40 lb head, bald ; chaff
White ; straw, stiff and bright; rust or smut

Aug. 17-Australian $\begin{gathered}37-40 \text { bu. } 30 \mathrm{lb} \text {; ; head, bald; } \\ \text { chaff, red; straw, stiff and bright ; rust or }\end{gathered}$ smut, none.
-Preston-40 bu. 20 lb . ; head, bearded; chaft,
red; straw, stiff and libright; rust or smut, red; straw, stiff and bright; rust or smut,
none. 7-Red Fern-40 bu. $20 \mathrm{1b}$. ; head, bearded ; chant, [Wote-Wheat, as grown in the lower mainland disin the upper country districts, such as the by year ; large quantities fit for milling are grown.
BARLEY-All sown April 20th; no rust or smut.
Aug. $3-$ Mensury-Yield, 80 bu.; straw, stiff ; kind 12-Dunham- 76 bu. 32 lb.; straw, stiff and 15-Beaver-75 bu.; straw, medlum; head, two--Gordon-73 bu. 26 lb ; straw, stiff; hend two-rowed.
-Sidney-73 bu. 16 lb .; straw, medium
 bright; head, six-rowed.
-Stella-72 bu. 24 lb. straw, weak . head six-rowed.
-Brome- 71 bu. 32 lb .; straw, medium head, six-rowed.
Oderbruch- 71 bu .12 lb .; straw, stiff ; head French Chevalier-70 bu. 40 lb .; straw, stif head, two-rowed.
Canadian Thorpe-69 bu. 28 lb .; straw, stif July 29-Rnd bright ; head, two-rowed. Aug. $\begin{gathered}\text { rix-rowed. } \\ \text { 7. Empire- } 68 \text { bu. } 36 \mathrm{lb.} \text {; } \\ \text { bright }\end{gathered}$ straw, stiff and bright; head, six-rowed.
13-Standwell-67 bu. 4 ld.; straw, stiff and July 30-Common-67 bu $\begin{gathered}\text { Coad, six-rowed } \\ \text { heal }\end{gathered}$
ISupt.'s Note.-Barley is a good paying crop in B. C Not exhaustive on the soll; excellent for dairy cattle and hogs, and should be more extensively grown. A good
feeding combination, I grew in Manitobs barley, a bushel and one to two pecks per acre, along with one gallon of flax. Such will -thresh well with the ordinary machine without trouble.]

## Ripe AS. -All sown April 21st.

Aug. 15-Early Britain-Yield, 40 bu. 40 1b.; lengtl of straw, 52 inches ; size of pea, medium.

- White Marrowfat-46 bu. 30 . ins.;
Cerman
pea, large.
White -46
bu. 20 lb ; straw,
54 ins.; pea, medium.
Carlton-45 bue 20 Carlton-45 bu. 20 lb .; straw, 70 ins .
pea, medium. pea, medium.
Arthur-44 bu.
-Arthur- 44 bu. 40 lb .; straw, $50 \mathrm{ins}$. ; Dea,
large. 5-Macoun- 44 bu. 20 lb .; straw, 56 ins. ; pea,
large. large.
-Chancellor-44 bu. straw 56 ins. : pea medium. -Pearl-42 bu. 40 lb .; straw, 76 ins. ; pea, large.
18-Mummy
18-Mummy-42
medium. -Lanark- 42 bu. 20 lb .; straw 48 ins pea
large.
18-Centennial-41 bu. 30 lb .; straw, 64 ins .
$\underset{\substack{\text { medium. } \\ 7-\text { Nelson-40 }}}{\text {. }}$
$7-$ Nelson- 40 bu. 40 lb .; straw, 58 ins.; pea,
medium.
22-Paragon-40
pea, medium. straw, 62 ins.
medium.
18-Wisconsin Blue- 39 bu. ; straw, 64 ins.; pea CORN.-In the list given of the varieties of corn, all very slow maturing varieties have been left out. Corn
is grown in B. C. for the silo, and unless a variety reaches at least the early milk it is of no use, as corn ased that has not reached that stage gives an inferior especially if it be his first venture. The climatic conditions are such that corn left to stand in the stook is wasted, owing to the incessant ralns, so that it is at once seen that the late-maturing varieties have no place in B. C. agricultural practice. All varieties were Red Cob-Condition when cut, late milk; leafings, Angel very leafy; 31 tons 480 lbs. idnight-Condition, early milk; leafings, North Dakota White-Condition, early milk; leafings, Eureka-Condition, early milk; leafings, very leafy 22 tons 1,760 lbs. very leafy; 22 tons 220 loas. millk; leafings, Early Butler-Condition, early milk; leafings, very
ing Philip-Condition, ears just formed; leafings
fairly leafy: Leeming-Condition, early milk; leafings, very leafy Cloud's Early Yellow-Condition, early milk; leafinga very leafy; 17 tons 1,860 lhs
Longfellow-Condition, roasting eatal leafing,
leafy; 17 tons 870 lbs . Whitecap Yellow Dent-Condition, early milk; leafing Sanfordy; 16 tons $1,220 \mathrm{lb}$ tons $1,460 \mathrm{lbs}$.
[Note.-The Sup man that many Superintendent informed the "F. A. sponding all the way down the silo, yet his corre the sits say the silage was well packed in and that the fact that the silo walls, Sharpe attributes it to tight, being of wood and dry, absorbedht practically narrow strips of corn in contact all round the silo wats, consequently, that strip was drier than the res of the silage and admitted the air, hence the spoiling To avoid this, he recommends sprinkling the inside of TURNIPS with water as filling goes
TURNIPS.-Date of sowing, May 13th; lifted
Fmperor- 47 tons 1,270 lbs.; remarks, smooth, small Hall's Westbury-47 tons $1,382 \mathrm{lbs}$; smooth, very Perfection-45 tons $1,080 \mathrm{lbs}$; smooth, very small East Lothian-45 tons $1,410 \mathrm{lbs}$; smooth, small top. Goodial 41 tons 1.820 ibs. ; smooth, regular cropper. Mammoth Clyde-41 tons 1,160 lbs.; smooth, small Halewood Brown Top-40 tons 1,080 lbs.; smooth Elephant's Master-40 tons 35 lbs . : tankard shape, shape New Century-39 tons 1,860 lbs.; smooth. Bang Holm Selected-38 tons $1,880 \mathrm{lbs}$. ; even grower, Jumbo- 38 tons 890 lbs ; uneven grower.
Hartings -37 tons 1,240 lbs. ; smooth, even cropper Harke Brone rop-s7 tons 680 Mb . smooth.
Supt Shhant-s6 tons $1,460 \mathrm{lbs}$.
Supt. Sharpe prefers turnips to silage as roughage
cattle, his experience being that wherens ttle will take on the average, forty pounds grown they will take eighty to ninety pounds of turnips. Turnips can be fed to cows right after milking if taint-

$$
\mathrm{g} \text { is to be avoided. }
$$

potatoes.-All plànted May 22nd.
Rochester Rose-Marketable, 80 oer cent.; small, 20 per cent.; rotten, 0 per cent. ; ; color, rose ;
shape, long; total yield, 460 bu. 24 lbs. Cambridge Russet-Marketable, 70 per cent. ; small, 80 per cent.; color, russet ; shape, oblong ; total
Reeve's Rose-Marketable, 85 long ; toten, 5 per cent.; color, rose ; shape, ry Gentleman-Marketable, 90 per cent. ; small, 10 per cent.; color, pink and white; shape, long ; total yield, 398 bu. 12 lbs.

- Marketable, 90 per cent. ; small, 10 per cent. color, red ; shape, long ; total yield, 376 bu .
Early Rose-Marketable, 85 per cent. ; small, 10 per cent.; rotten, $\quad 5$ per cent. ; color, rose ;
shape, oblong; total yield, 875 bu. 40 lbs. $\begin{array}{ll}\text { an } \\ 15 & \text { ponder-Marketable, } 80 \\ \text { pent, } ; & \text { perten, } \\ 5 & \text { per } \\ \text { cent. ; } & \text { small, } \\ \text { cent. } ; ~ c o l o r, ~\end{array}$ white; shape, long flat; total yield, 360 bu.
Early Michigan-Marketable, 70 per cent.; small, 20 shape long rotten, total yield, 10 per cent. color, white:
Shape, long; total yield, 860 bu. 48 1 lbs.
Sharpe's seedling- Marketable, 80 per cent.; small, 20 tor cent- color, rose; shape, long round,
(Male parent, Breese Early Prolific ; female, Early Eose.) cent.; color, rose; shape, long; total yield,
eedling No. 7 -Marketable, 85 per cent.; small, 10 per cent. - rotten, 5 per cent.; color, red: shape, long; total yield, 347 bu. 36 lbs.
rish
Daisy-Marketable, 75 per cent.; small, 20 per shape, round, total yield 344 bu 40 we shape, roule, 80 per cent. : small, 48 lb
 yield, 344 bu. 48 lbs. 7 per cent.; small, 20 per cent.; rotten, 32 bu, 12 lbs . s Standard-Marketable, 85 per cent.; small, 15 per cent. ; color, wh
yield, 323 bu. 24 lbs.
Sam-Marketable
Sam-Marketable, 80 per cent.; small, 15 per
cent. ; rotten, 5 per cent : color, white cent, rotten, 5 per cent; color, white


## Milk and Honey.

When the great leader of old sught to ret fort the desirability of the place whence the children of olive and hones. a good land and large - a lan
FLowING wITH MILK AND HONEY." These words are suggestive of the
things. It is to be feared, thowever, that at the pressent day too many of us do not voralue these articles
of food as we should. To droquently the of food as wo should. Too frequently they are looked
upon, if not as luxuries, then at least as something upon, if not as luxuries, then at least as something
that one can, without loss, do without. ${ }^{\text {There }}$ is reason also for believing, regarding milk, that those of us who live in the country are more prone to this indifference than others who reside elsewhere. Perhaps it in the old story, "too much familiarity breeds con-
tempt." $\begin{aligned} & \text { I } \\ & \text { suspect, however, that many havi not }\end{aligned}$ not given it a thought, looking upon it merely as good or children and invalids.
Probably there could not be found one who would declare that milk is of no use tor the young. If, then good for the babe and growing child, why not also
for the older ones? when we consider that we have In milk a perfect food, not lacking in anything to sus tain lite-something that cannot be said of any one ther thing when taken alone-it seems to me a matter or regret that so many who have enough and to spar on the table, choose rather, for theselves and thelr children, tea or coffee, which have no nourishing properties whatever, and sometimes are positively in
 bent the tree is inclined. person who has been educated to drink milk who doe not favor its use. After all, it is not so much a
net matter of what we like, as what is best.
It will be no sell-denial, however, with many to substitute milk for tea, and these are only waiting for the opportunity to do so. I believe that many more than at prosent would take milk were it offered them Let those in charge see that a jug of it is on the table
at every meat. As for the children, there should be 0 choice. Let the parents or guardians decide that no choice. Let the parents or guardians decide nat at.meal time. If preferred hot, let there be always jug of it heated. Not only is this hot milk warming
and refreshing, but nourishing also. More than this, in the laboratory or in nature, that can be compared to it. Those who have had any experience in raising
stock know how quickly it brings circulation and warmth to the newborn calf. And it will do as much and more for most be as seldom as possible, except in the line of a bath, substitute dry clothing for the wet ones, and and see how quickly its good effects will be felt. When exhausted from hunger and fatigue, it is then a bow
of bread and milk-hot in winter and cold in summer will revive and nousish quicker aud better than uny other known food. It is both meat and drink,
digested and quickly absorbed into the system.
How many children there are who
limbs and unnourished bodies, who, if they had had plentiful supply of milk, might have been robust and atrong I One of the first things the doctor prescribes
or delicate children is plenty of good nilk, and that which is good for the weak is also good for the strong.
Milk has well been called the model food. When it ydrates or the alluminoids are in the proper propor $t$ does for growing calves. Stock-raisers have tried in vain to find a perfect substitute for it. And what
t does for these it will do for the human family. vince anyone of the value of it, but rather to sho
that it contains those elements found in the remedie
almost invariably prescrited for a run-down system

Lactose-sugar of milk $\quad . \quad-\quad . \quad . \quad . \quad . \quad . \quad .30$

nesia, phosphate or 0.25 sium, phosphate and lactate of sota. 0.15

Now, if this is compared with the formula of the
compound syrup of hypophosphites, you will find onderful similarity, so much so that we might come o hypophosphites would be required, except in extrem ases, to add to, but never to take the place of milk
More than this. Possibly, did we use more milk, such Hore than this. Possibly, des in demand. Whether in beter to take these things in the form of pills an
dollar preparations, judge ye. When I think of the

see to it that if we do not use more
east do not deprive ourselves of the milk
It is to be feared that too frequently some of us d making just a little more butter, that we stint ourselves of both milk and cream. Let us ask ourselves does it pay? We are a firm believer that the husbandman should be arst partaker of the fruits, and that the titled to it. So we would say, select the cow in your herd that gives the richest milk-at least, rich in solids (and, as a rule, the one that gives the most cream, gives the most solids also), and keep her millk for partly because it is rich enough without the cream, and partly to avoid waste, we have the cream separate. say partly to avoid waste, for one can never judge just the quantity of milk that will be required for each meal. The family are encouraged to take all the cream quench the thirst, and in warm weather especinlly is best without the cream, better also if one is biliously inclined; but, of course, we get the cfloam all the same. Do not let us go away with the im pression, though, that in order to be of benefit it mus
contain the cream, for when rich in solids, such those which cheese is made from, it is still one of God's best gifts to man. Let the good mother see that the table is always supplied with it, and so, like ael of old, of whom it is said, He asked for water

## E. M. Farmers' Institute.

## The first meeting for the season of the Eas

 Middlesex Farmers' Institute was held in Thorn dale, on Monday, Itth inst., with a good attendance of intelligent and interested farmers.. At the alternoon session, Mr. E. Nicholson, a past President of the Institute, occupied the chair, and in his few opening remarks pointed out that it ing, but that questions, even during an address and discussion thereon, were invited.Noxi. W. Fraser, of Bradiord, spoke on owadays a great deal of time." He said tha be spent yearly on the farm fighting hese to Almost other countrie probably in seed suan and seed. The list was continually being aure ond the later one being the worst a chat wes ex hibited, showing the frightful number of weed sedd such as is is ordinarily sold, and farmers were urged to be more careful in their selection of seed
Referring to false fax Relerring to false flax, some one asked what it
was like, and the speaker said that it was biennial appearing generally in fall wheat, re sembled shepherd's purse; that he had got a big dose of it before he was aware, and that the time pent in pulling it out of a fourteen-acre field Perennial sow thistle seemed to be causing con siderable anxiety in the neighborhood, one farme saying that he would rather have ten acres o Canada thiscle than half an acre of sow thistle had grown roots on a patch of it, hoeiny faith he eemed to share his opiniors than ever. Other maintained that it could be killed in a hoed crop in one season. Bindweed, he sald, was ten times
worse. He heard only one man say that he had succeeded in killing it. Burdocks and other tap-
rooted biennials should be spudded below the crown. Surface chllivation was the only remedy
for weeds with creeping root-stock, such as Canda thistle, sow thistle and bindweed, except that
he spade might be used in small patches Farm ers were advised to study, the bulletin on noxious Mr. Erland Lee. of Stony Creek, spoke on
Lessening the Injurious Effects of Dry Weather on Our Crops." This problem has not given
trouble for the past two seasons but these exceptional i generally, our summers were dry
and crops, in consequence, suffered. Cultivation of the surface soil was of course, the most effect ive means of conserving soil molsture, but with
most crops it was inipracticalle. Keeping the land rich, and rich especially in humus, increased its power to retain moisture and resist drought The growing of red clover, lucerne and hairy vetch
were recommended as tending to bring about this flow les frequenty, manuring as much as posstie on the surface, so that the humus might be
kert there where it was useful as mulch, and not
buried and, in great part, lost. Mr. Lee's rotation is first clover. then corn oats. peas and fall
wheat, seenlo vownd In answer to a question,
he said that ho had a lucerne pasture besides, of
which ho which he splo thost favorably. It was on his
hignest, bleakest fiecd, yet never failed in dry
weather. He would not recommend it, excert
where land was dry. A chart showing composi-
tion of foods, and questions from the audience, urned attention to the subject of balanced o the advantage of properly mixed foods, and all were advised to give more attention to the
$\qquad$ Mr. T. Baty, a local man, had for his subject, culture : first, because in this latitude of a crops grown, it gave the largest yield of good stock food, and, second, because no other crop gave such an opportunity to clear the ground of questioning, drew from the audlence the follow ing : Clover sod, well manured, was the best preparation for a corn crop. Sod of any kind was all right, except that cutworms were more prevalent. Good crops of corn, however, can be While in heavy clay land it might be better not o plow land for corn in spring, yet, around Thorndale, spring plowing was generally practiced with no harmful results. The speaker claimed that it was preferable. Planting in hills gives
best returns, but for silage it was generally sown in drills, from a peck to half a bushel of seed per acre being used. Harrowing before and after seed was up was well spoken of, and all agreed that cultivating proper should begin as soon as
corn rows could be seen. Shallow cultivation, especially in the earlier stages, had no advocates, It should be deep and thorough at first, becoming hallower as season advanced, and not ceasing antil the corn was as high as the horse. The evening session, over which J. B. Harris,
e-Reeve of Nissouri, presided, was also well at ended, a good sprinkling of ladies being present Several selections from the gramophone of the secretary, Mr. R. H. Harding, were well received. ight. ${ }^{\text {Mr }}$ He did not come as The Farmer's Eye referred to mental eyesight. How few farmers ould pick out the best cows out of farmer see the blemishes on a horse ! He gave an instance of a man in his neighborhood, who, by observation and stady, had become proficient in orchard culture, and was making money by rent Study, rather than grinding labor, was the key
to success. Mr. Baty, in. his address, drew attention to the opportunity farmers have enjoyed of late
years to make money, and to the possibility coninually before them of living a healthful and a long life, and of becoming intelligent
Mr. Fraser said that farmers
money but said that farmers did not need more work, lacking which, we had better change our usiness, and wnowledge concerning it. To supply the needs of humanity and keep up the source of supply requires special knowledge. As instances that the changed demands on the farmer, he said worth of bacon-hog products, and that in the United States the total yearly earnings of all the railways were exceeded by the returns from the ommon hen. The knowledge of yesterday will ot suffice for to-day, and co-morrow s needs wil At the
re-ident, in the chair. Mr. Fraser wohn O'Brien ors against always expecting bargains by buying "cheap " seeds and other things, showing how as Mr.Lee said, by selection, breeding and feeding, the production of the dairy cow could be increased like that of the sugar beet, the sugar percentage to eighteen to twenty-three. Have the heifers sixteen months the first year. Then, "dry" hem for two months. About forty pounds of mended lucerne two feeds was sufficient. He comeeding. warned farmers against "cross " or " " mongrel " breeding. The horse interests of Middlesex had een greatly damaged by indiscriminate breeding recommended sticking to one of three kinds of orses-light (Thoroughbred or trotting), car-
iage and heavy draft, his preference being for the atter Agricultural societies should encourage he class of horses best suited to the locality and Mr. Grieve also in the eveniag gave an exion in favor of which was unanimously adopted.

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## Eastern Ontario Dairymen's Association.

Tre annual meeting of the Eastern Ontario Dairymen's Association was opened in Belleville,
on Wedresday, January 6th. Cold on Werresday, January 6th. Cold weather did quite a large number were in attendance. Shortl after 10 o'clock, Mr. D. Derbyshire, President of the Association, and one
dairymen, delivered the

PRESIDENT'S ADDRESS.
He showed that the exports of dairy products,
including bacon, which is a by-product of the including bacon, which is a by-product of the dairy farm, would amount to over fifty-one mil-
lion dollars during the past year. Great int provements had been inade, and Mr. Derbyshire was confident that this year our exports of dairy products would reach a total value of fully
$\$ 60,000,000$. The industry deserved the heartiest support.

## SOME DIFFICULTIES.

In spite of many improvements, much still re-
mains to be done. The makers are often poorly aid, and many fact Mr Drecks, and that the factories should we painted, the grounds ornamented, and something done to develop high-
er ideals. But the real difficulty lies with the careless, slovenly fres the raw material. It is the careless, slovenly farmer, who does not read and supplying a poor raw product to the maker.
Much good has been done by the establishment of Much good has been done by the establishment of
vefigerator cars and cool-curing rooms. Twentyone instructors have been in the field during the Kast summer, but more were urgently needed, and the requii ements for further dairy instruction. and coot,", and he sugge sited that in some places, ion of heart was essential to successful dairying Brief, pointed speeches were given by a num-
ier of prominent dairymen, including Henry Cendinning, of Manilla; Wm. Eager, of Morrisgavel, of Mrock oille ; J. J. A. Ruddick, of R. Dar-
and $J$ as. R. Anderson, of Prince Edward. The afternoon session on Wednesday was opened
y Mr. Glendinning, the subjet', heing THE SELECTION, CARE AND FEED OF THE The purchaser of a dairy cow must depend on
is knowledge and judgment in selection of suitable type for his purpose. Experience has shown that we seldom have a first-class dairy and
heef cow combined. As man has developed the beef cow combined. As man has developed the
animals, natuie has been at work, and we have laskes differences of conformation in the two classes of animals. A good dairy cow should
show no trace of masculinity, and there is no
benefit in a large size unless accompanied by inreased production. By means of a chart, showing a cow of proper dairy type, Mr. Glendinning
illustrated his address, and succeeded in producing quite an interesting discussion.
good Care essential.
generally made a generous provision, in the way of pure air and healthful conditions. The hornlend with. Mr. Gilendinning has have to conof crude petroleum to be the cheapest and most
effective remedy, as it not only acts terrent, but also kills the flies. He did not even junction with it, as his object was to kill the
fies, and the pelroleum proved very effective in

## winter care.

ventilated stables-clean, comfortable, and sani-
tary. tary. The currycomb and brush should be used
every day, which adds much to the comfort of
the animals. the animals. The proper ration should be fairly
bulky, palatable, succulent, free from objectionable flavors, and contain the proper nutriments A suitable ration for a dairy cow would be che nutritive ratio of one of protein to about five and
a half or six of carbohydrates. Natural pasture, such as blue grass and white clover, forms an alin winter it fails to produce such cured and fed
We should learn from this approach as clocely as possible to June condi-
tions. An excellent winter ration would be :

## Corn ensilage Clover hay... <br> $\underset{\substack{\text { Clover hay } \\ \text { Pea meal } \\ \text {... }}}{ }$

equal proportions in oil cake could be used in onvenient. This ration would be fairly succuof protein to carbohydrates, and would tee suit able for a cow of ahout 1,000 pounds weight, Toducing from 25 to 30 pounds milk per day. To feed successfully, we must be economical.
This is where the greatest skill is required must push toward the maximum production at the same time avoid too great pressure. Here is where the greatest skill is shown, and in the
exhibition of that skill lies a larger measure of succe: s.

THE FORMAL OPENING.
On Wednesday evening the meeting was formmayor and several prominent citizens, and many were the kind words which the good people of the "Beautiful City of the Bay" had to say of the Dfficers and members of the Eastern Ontario Dairymen's Association. The addresses were re-
slonded to by Prof. Ruddick, of Ottawa, who compared the conditions existing at the present
time with those of the early days when the time with those of the early days when the
association was formed, and predicted still greater association was formed, and predicted still greater Mr. Thos. McGillicuddy gave an inspiring address on the "Footprints of Dairying," showing ing of the first factory in Oxford County to the present day, when fully 300,000 people are engaged in the great army of modern dairying. It
organization the watchword.
Hon. John Dryden then addressed the meeting. the Dairymen's Association, and thorough organization, will do much to advance the interests dairying. "If you do the work you have to d
just a little better than anybody else, there i lots of room for you, and abundance of work to
do," said tre Minister of Agriculture. "I take my hat off to the man who does things ; talking is all right, but we must have men who do
well as talk." There are five great essentials well as talk." There are five great essentials
progress in the future work in Canadian progress in the future work in Canadian dairy-
ing. These are education, unity, diligence, perseverance, and enthusiasm, and by the exercise of
these we can hope for still greater success in the future. Q. Publow, Chief Instructor for Eastern Ontario gave an account of his work in connection with
the dairy syndicates. This systen, by which a number of factories are grouped together and placed under the charge of a competent instructor, was adopted a little over one year ago. Twenty-
two syndicates were formed, comprising 551 factories, and during the season the instructors
made a total of 3,317 visits. made a total of 3,317 visits.

During TESTS FOR ADULTERATION.
During the past summer 44,310 tests for found to be either watered or skimmed 359 were other hand, in 10,693 fermentation tests, 9020 were found to be more or less tainted. From education in regard to pronerly caring for milk rather than prevention of fraud, that was essenthe development of some form of bacterial life causing the cheese to become open, acidy, and to have a very bad flavor. In some cases it was almost impossible to trace the cause, as it occurred in factories that were kept scrupulously
clean, but, usually, it was much worse in fac clean, but, usually, it was much worse in fac-
tories where the whey was returned in the milkcans. Dr. W. T. Connell, Bacteriologist, Kingston Dairy School, in referring to this subject, said that the trouble was due to a yeast, a very low grasses. The remedy was to thoroughly clean the factory, sterilize the utensils, avoid sending whey home in the milk-cans, and use care in Mlacing the milk away from the shelter of trees He spoke of proper sanitation for factories, and
recommended the use of the septic tank for the recommended the use of the septic tank for the
removal of drainage matter. In this system
three tanks are used, the fluids passing away in
the drains, and the solids being left behind. The entire system could be erected at a cost of about
$\$ 100.00$, and by it all offensive $\$ 100.00$, and by it all offensive odors are avoid-
ed. The factories should be especially careful regarding their drainage system. Only glazed tile should be used, and it should be the duty of
the factorymen to see that the drain was

On Thursday afternoon a resolution of conLICENSING CHEESE FACTORIES AND CREAMERIES.
It was moved by J. R. Dargavel, seconded by
W. Hyatt, and carried: "That in the opinion W. Hyatt, and carried: "That in the opinion
this asscciation the best interests of dairying in Ontario would be advanced by the licensing of cheese factories and creameries, and with that object in view, a committee, consisting of the ndermentioned persons, be appointed, to collect isable, prepare a draft bill for presentation to this association at its next annual meeting. The ommittee is to have full power to lay the matter before the Ontario dairymen in such manner J. R. Dargavel, $\begin{gathered}\text { Said committee to consist of } \\ \text { Henry Glendinning, G. }\end{gathered}$ Publow, and the President and Secretary of this Several times in the various discussions this question had been briefly touched upon, and on
every occasion the idea met with hearty support That the suggestion may not become law for some time is very probable, but it is evident that many of the most advanced dairymen are A QUESTION OF TRANSPORTATION.
"The preservation and safe transportation o dick, of Oitawa. The points against our budin the minds of the British purcnaser are, lack of uniformity and rapid deterioration after landing. What are the causes of this deterioration? Simply this, that the butter is not kept cold enough
at the creameries ; it is exposed to heat. unat the creameries; it is exposed to heat un
necessarily in shipping to Montreal, and is always fiozen properly when it arrives there, and before being placed in the cold storage of the
steamers. When butter is held at high temperasteamers. When butter is held at high temperature for any length of time, the fermentations
which produce bad flavors commence their work, and though cold storage may check their action the life of the butter has been shortened. To overcome this, every creameryman should see that the temperature of his refrigerator is kept down
to at least $36^{\circ}$ to $38^{\circ}$, by means of thorough in sulation. MOULD ON BUTTER

Mould, which is a low form of plant life, can be prevented by careful disinfection. The whole interior of the creamery should be washed, and
tre ceilings, floors, etc., coated with a solution of one part bichloride of mercury to 1,000 of water. Formalin may be used as a spray for disinfect 1,000 cu. it. The mould on the butter may be prevented by soaking the parchment
paper in brine, to which has been added 3 ozs paper in brine, to which has been added 3 ozs.
formalin to the gallon of brine. THE HANDLING OF CHEESE
The object of the central curing-rooms was to give an object lesson to the factories, and in this they had been a success. During the past season tions. Careful tests were made, and it was shown that saving of $1.23 \%$, or $\$ 4.813 .08$, was been affected.

Paraffining the cheese.
This practice prevents the cheese from moulding and losing in weight from the loss of mois-
ture. The saving in weight had amounted to 1 lb. 6 ozs. per cheese from the use of paraffine. Some objections are offered by some of the English
dealers, but these objections are in a large measure unfounded, and would soon pass away. However, care must be exercised in this regard until the principle becomes established. An effort shculd be made to secure better boxes for the
transportation of our cheese. The present boxes are too flimsy in construction, and fail to stand tre voyage. Fully 25\% of the boxes are broken when landed on the other side. Heavier boxes should be used, even if the cost is increased, as nuch from the the package in transit detracts PROF. DEAN GIVES SOME DAIRY RECORDS. Prof. Dean, who is, undoubtedly, one of Cangave some importicat figures, emphasizing the importance of animal individuality. The best cow at the 0 . A. College dairy herd made a record
of 10,214 lbs. milk in one year. The milk tested $3.5 \%$ of fat, and would produce 418 lbs. butter, valued at the price received by the college creamery at $\$ 76.18$, or at 4 cents a quart the milk would bring $\$ 163.42$. On the other hand, the
poorest gave only 3,775 lbs., or a butter value of $\$ 36.87$. It is not a question of breed, nor is
of animal individuality. Shall these dry cows be
allowed to live? Assuredly they should not allowed to live? Assuredly they should not.
We must establish a standard of excellence, and by careful selection bring the herd up to that standard.
Prof. Dean, who addressed the meeting again
in the evening, took up the subject of WHAT WE ARE DOING in THE DAIRY He spoke first of the work at the Agricultural College in general, and then referred particularly to the work in the dairy branch. Our college was atcracting attention of students from all ove the world, and our graduates were in great de-
mand everywhere. We should pay our men higher salaries, and save their labor to develop the dairy industry of Canada. He thought it was time to have more uniformity in dairy education. The several schools showld come together a.

> THE EXPERIMENTAL WORK

Besides the educational work, they were doing
considerable along experimental lines. Recently considerable along experimental lines. Recently they have been investigating the question of do-
mestic milk supply. The best results were tained by heating the milk to a temperature of $160^{\circ}$, and then cooling rapidly to $40^{\circ}$ or $50^{\circ}$. The relative merits of mechanical cold storage versus
ice had been tested. The mechanical means had ice had been tested. The mechanical means had
been found greatly superior. It was a much been found greatly superior. It was a much the commercial one of increased cost. They had also found that cheese ripened almost as rapidly
at a temperature of $28^{\circ}$ as at $60^{\circ}$, and that cheese do not deteriorate rapidly when moved from cold storage to an ordinary temperature. and a master mind on anything relating to farm statistics, gave the people of the surrounding counties some food for thought.
the value of the bacon product. He contrasted the dairy products of the three western counties of Oxford, Middlesex and Perth Bay of Quinte. Thieir production of dairy prodwee was practically equal, but in bacon the west was greatly in the lead, producing $\$ 1.09$ pork to every $\$ 1.00$ worth of cheese, while the east only He urged the people of the district to develon their bacon industry, and thus assist in increasing the wealth of the surrounding country. Touching upon the educational problem, Mr. James said we were beginning at the top to build up our systel
rather than at the botom. We first had "Farm ers' Institutes" for tre men, then "Women's In stitutes," but so far nothing had been done fo the children. The great bulk of our education i poorly adapted to the needs of farm life. and
should be remedied so as to benefit that inductry which outweighs in importance all the other in dustries of our Province.
FROM CHEESE TO BUTVTER.

The programme on Friday was devote
discussion of the butter end of the dairy industry Mr. Barre, of Winnipeg, was one of the speakers pessimistic side of the question. He lamented the existence of so many small creameries, and said
that while we undoubtedly could make a firctclass article, we did not always do so. More class article, we did not always do so More adoption of the cream separator would tend to BUTTERMAKING.
Mr. J. W. Mitchell, of the Kingston Dairy School, then gave an address on buttermaking. ogether, and every phase of the work plays an of good flavor. Pasteurization, and the use of a and then seeding to good clean seed, said the speaker, and this is a part of their business which too much
the election of officers. The following were elected officers of the asso-
ciation for the coming year: President, D. Derbyshire, Brockrille. and Vice-Pres., J. R. Dargavel, Elgin. 3 rd Vice-Pres., L. L Gallagher wilton Ifirectors-Edward Kidd, North Gower; Wm Wager, Morrist,urg; Levi Patton, Brockville as. Whitton, Wellman's Corners: T. B.
arh worth: Henry Glendinning, Vanilla.
dispersed to their

POINTED PARAGRAPHS
Dress "up "and not
Love your cow as you love, honor and cherish your wife, and she will rep
It's the value of the average product that set. the market price; therefore, every factory is in-
terested in improving the quality of the whole products of the country.
We need dairymer $\qquad$
Have more courage among our cheesemakers power to bring their backbone to the front Mr. Thos. McGillicuddy.
Be on your honor, take in no milk that is insend milk of high quality
Why not have county conventions of dairymen to meet in every county throughout Ontario, and discuss the problems of dairying
The product shows
where it is made
I don't know where the first factory was built 1 don't care, but I do want to know where the
best-equiped and most carefully-managed fan is, and 1 want to make that factory (he moctory
is for every factory in Onta
Build an icehouse in connertion with your milk-stand, and do it now-don't wait till sum-
mer.
But, after all, '. It's the man behind the co
that makes or unmakes the dairy business.
The question of whey tanks was brought up, and cement, wood, iron, steel and galvanized
tanks passed
under rever and criticism. Not many have had experience with the cement tanks,
but Mr. Ruddick stated that they were in nlmoct exclusive use in New Zealand. They are elevated above the ground on good sound foundations. ary Dean believed that the lactic acid of the whe would unite chemically with the lime of the ce-
ment, and tend to disintegration. He fatored a ment, and tend to disintegration. He favored a
steel or galvanized iron tank, made like a boiler. $t$ was easily cleaned, and proved very satisfacbut they were all unanimous in condemning the
foul-smelling, microbe-laden wooden tank of the Ques.-Will frozen milk protuce a hither Ques.- Will frozen milk produce a bitter flavor?
Ans.-Possibly it may, but 1 would not say hich did produce such milk that had beea fro/en some which did not. We are not certain on this
point as yet, but it is well to avoid as far us THE PROPER CARE OF MILK IN StMMER Cool immediately to lelow 50 degrees, an eep stirring the milk in order to have it cooled add to its keeping quality, but immediate cooling checks at once the growth of injurious bac-
teria, and prevents, in a large measure, the deeria, and prevents, in a large measure, the de-
elopment of objectionable flavors. Question-What $\approx$

Als.-That prevents you from stirring the milk he milk and contaminating the well of spilling

## Give the Address.

hat all of our readers are overlooking the rule must be accompanied by the name and address of the writer. This is imperative. We cannot undertake to deal with enquiries that are frivolous or which may not be genuine. We gladly expent large sums to furnish our readers with trustfor mbilication, but simply as a guarantee of good

Questions and Answers.

POULTRY

## The Result of Overfeeding.

verfectly well is observed to stagger about ing its head either to one side or tilted buck a good deal. It has got a brain seizure, and if not indeed, it does perish, despite any treatment Such troubles are generally caused by gross overreeding. The treatment is to remove the affected ird to a rather dark piace or moderate temper tirst and feed very sparingly on bread and milk. and follow twice a day with a powder composed of three grains antipyrin and two gralns salicylate of soda ; mix with a little moistened flour, and put over the bird's throat. A few drops of acid n an earthenware vessel) now and water (keep bird is recovering (just as much as will slightly acidulate it) will help to bring her round. Koep away from all male birds or other feathered stock intil recovered. A common barndoor fowl is not be glad to save a good specimen of a pure breed if possible.-[Fx.

## Ducks and Winter Laying.

Ducks, as a rule, do not lay well in winter, it we time are very much wanted by those who hatch and ear early ducklings for market. The eggs of the
Runner can be had without much difficulty but this breed is of little value for the purpose referred this breed which grows quickly and puts on plenty of flesh resd which grows quickly and puts on plenty of flesh of fine quality is what is wanted. Good condition, without being overfat, is what is demanded in the
stock birds, and, in addition. they must he provided with comfortable quarters, and supplied with good and stimulating food. Animal food must form a liberal share of their diet. Ducks can stand a lot of this, nd during the winter they lay all the better for it.
'ooked vegetables, such as cabbage and turnips are also very necessary, and should always accompany a diet rich in nitrogenous elements. Mere fat-produclng ood is of little value, though a certain amount is necessary to supply the carbon demanded by the low emperature of winter. In this respect, corn meal is of bran.
Auces cross between Thekins and Aylesturys often provinter than the pure-bred parents, nand it earlier in the cross these birds another year with pure often suits drakes. When Indian Runner ducks are crossed with he young, ducklings are fairly satisfactory secured, and this cross is again mated with an Anctory growers, but
he results are penerally usually be got at the time very satisfactory. Ekgs can lucklings grow fast, and put on a lot of meat. It the top prices are usually secured by pure bred Aylesburys,

## Raising Ducks

From Wellington County we received the following :
owl. I had poor luck with my ducks last year. I
set seventy-three eggs, but only twenty-two hatched, and every one of the ducklings died. Would it be or keep a young drake in the same flock as the ducks ? Fers the young one I had last year. son's. Ans.-That was certainly a very discouraging season's operations for a boy, but when he comes up
again carly In the year asking for surgestions again carly in the year asking for suggestions for the
next season, no one will doubt his ultimate success. It is hard to say exactly why so few of the eggs hatched, or why all the ducklings died. In any case, it would be better to dispose of the drakes at present
in the flock, and secure new ones, well grown and of good shape for carrying flesh. It well grown and of
so much about his not matter so much about his age, provided he were under temo
vears. Then feed the flock plenty ut clover, etc., along with their grain, and it roots, ways best to grind grain for ducks. Also, see that It is just possible the reason last not more fertile was because the ducks were too closely
nol air. Cold weather is not phenty of exercise and fresh have plenty of exercise and food. Then, when it they time for hatching, do not put too many eggs in each eral rule, young ducks hatch the duchlings. As a genbut the latter, up to two years of age, generally
throw better ducklinge throw better ducklings. When the young are hatched,
do not give them any food until they are twenty-four do not give them any food until they are twenty-four
hours old. Then, give one part hard-loiled egg to hours old. Then, give one part hard-loiled egg to
three parts stale-liread crumbs, after that, ground grain,

## JANUARY 21, 1904

GARDEN AND ORCHARD

## The Popular Fruit Box.

Sir,-As the fruit Provinces of the Dominton have
thoughtully considered the adoption of a unitorm size export markets of England and the Continent, I would like to throw out a suggestion for horicultural societies
or exhibition whether local or provincial. ${ }^{\text {on }}$ As the size and material of box have been woll defned, there is another and Very important part consider, vaz, the placing o
the fruit in thesa present the fruit in the boxes on opening to best add-
vantage. most acceptable way mind, the best way to find out the be to have a class arranged
ty ly, exhibition committes, giving say five prizee $\$ 5$,
$\$ 4, \$ 3, \$ 2, \$ 1$-for the best box of apples for exp
This would Trade. As no one will cot ject lesson for many in the has an ideal way, therefore the very best methods will
be brought out. whether it in brough out , whether it is best to place all fruit
in layers, stem end down, or blossom end, or on sides, or promiscuously poured in, or to have some materia
between each layer? The judge should be a thcroug expert, and should consider every point, even a the deosigh
of stencil used to set or the package in the
 an exhibition on the other side of the Aas Atlantic, where or prizes. This partay of the exhibitition will not not only draw many fruit mentosgether to consider the commarkets.
Montreal, P. Q. $\quad \begin{gathered}\text { E. H. WARTMAN, W, } \\ \text { Dominlon Fruit Inspector }\end{gathered}$

## Uniform Apple Barrels.

among themselves as to the size of apple barrels to to
used for export in future. It will be the con used for export in future. It will be the cause of
considerable loss to the trade if some continue to use the larger size and others use the minimum size. The
law prescribes the minimum size, which is a arrre inches between heads, insido measure, and a with a head
diameter of 17 inches and a middile diameter of $18 \$$ nches, representing, as nearly as possible, 96 quarts

EVENTS OF IHE WORLD
Latest despatches, at the time of going to press,
contain nothing definite in regard to a alairs in the Far
Fant each hour nurat tense, however, seems to be becoming
not wimors
rumstandiug occasional
 slightest degree from her stand regarding Corea
and Manchuria, and Russia is not ikely to stoop to
any concessions. any concessions. Preparations in Japan appear to be
on che verge of completion, although she is still buy-
ing vessels in wation hand, is making ready feverishly, In in apparent appre
hencion of the hension of an immediate attack from Japan. Her
whole fleet is now in fighting trim, and she is rushing
soldiers through on the great Sibe ind soldiers through on the great Siberian Railway. Some
difficulty, however, is being experienced in transporting these across Lake Boikal, which is now frozen over. It is rather interesting to note the attituodere of the
other powers toward the situation. On all hands it is admitted that in event of war other nations may be
dragged into the struggle: In the meantime, there ar declarations of neutraity from all quarters, coupled
with a frm intimation that each nation will, if neces. Eastern waters. The United States has silgaifed this intention. France has let it be understood that she
will not fight for her ally Russia, ans long as the
present French Government is in oflice. Denmark is present French Government is in office. Denmark is
fiting out four of the targest batteships to protect

depressionce in Endeavors to tring about peace, but the
dine to the fear that she will be
involved in the strugle dis
cnrolling recruits and angle, is marked. China is already
preping to join with Japan
unless Russia evacuates Manchuria nt an early dane
Gireat importance is being attached to the reent
Great importance is being attached to the recent
ratification of commercial traaties between the United
SStates and China, and between Jon
leing thereny put in then Javanan and China, Jopan
championing a cause which is also that position of of the
championing a cause which is also that of the United
States. It is reported that the news of the ratifca-
Tion of these treaties came as a decided shock to the
Iussians.
In the meantime, Corea is in a pltiable plight. The
Corean soldiers are on the verge of disaffection, owing
10 arrears in their pay, and the Emperor, from his oplol
ace at seoul, where a veritable panic reigns, has issued
no ecict
manct stating that his country is likely to be lost,
-ounscling his people to act for the best in their
interests, and warning his army not to free in the
event of a collislon between the Japanese and Russian
troops.
the outbreak of war, may find shelter at the French
"gation.

THE FARMERS ADVOCATE

Rudyard Kipling has published a letter advising taught in British public schools.
A series of submarine bell alarms are to be placed
at danger points along the Canadian coast and the
St. Lawrence River St. Lawrence River for the better protection of ship-
ping. Five Marconi wirelese ping. Five Marconi wireless telegraph stations will
also be established in the gull of St. The latest radium
the announcement that it has been discovered in from waters of the Spa of Bath, and that it is believed to
exist in quantities sufficient to treasure-trove, somewhere beneath. Vake it a veritable affected by the waters may have mysterious cures presence in them of radium.
or the first shipment of Canadian iron to Glasgow During that period that port on January 12 th prices could be secured at home and in the U U better held to mark the drying up of British shipments is An incident that recalls the old state of affairs in Col. Foss, late Governor of Nikolaeiff prison, forg, of bezzlement and cruelty to prisoners. It was shown that he had a regular chamber of horrors fitted out, through the most diabolical torture. It is, perhaps characteristic of Russian justice that the sentence upon this fiend was three years' penal servitude.
Harassed Armenia is making another struggle gain the sympathy and protection of the European powers. This time, her people wish to have the story
of their woes brought up before the Hague Arbitration Tribunal, their main grievances being : (1) The massacre of thieir priests and people; (2) the con-
fiscation of their church fiscation of their church property; (8) the taking of
loot to the value of $\$ 100$, complaints are launched against the Their bitterest they accuse of duplicity, injustice, and cruelty, Them assert that the Russians have been chiefly instrumental give them ling of their church treasures, and they also give them credit for being at the back of the Turks in Armenia. It has been no rare thing, so they say in Russian Cossacks to take part in these scenes
butchery in the The labor provinces adjofning the Caucasus.
tions in South Africa, where the work of the mines well as that of the farms, is suffering for want as
laborers laborers. It appears that the British, during the war
spoiled the Kaffrs ty spoiled the Kaffirs by engaging them as scouts and messengers, and paying them so well that, when the
war ended, they were money in pocket. Now than go back to work again, they prefer to beg and sell curios to travellers. Moreover, according to Mr Jerdine, Canadian Commercial Agent, who arrived in to be "bosses," or inspectors, whe thites there wan manual labor side by side with the black men. meet the emergency, the magnates of the "Progressive Chinamen, but this plan is strongly opposed by the Dutch, or Opposition party. Premier Seddon by the Z., whose voice is much heard nowadays, has expressed an opinion that the introduction of Chinese

## Another fray is reported from Somaliland

Another fray is reported from Somaliland. At
Jidballi, Jan. 11th, the British forces, consisting in
all of 3,200 men, made an advance Mullah's hordes, made an advance upon 5,000 of the chasing them for ten miles. The British lost two killed and twenty-two wounded: while nine privates chiefly during the pursuit, lost 1,000 Dervishes killed and many wounded. The Brítish also gained posses-
sion of 400 rifles. It may be interesting to note that no Englishman has ever seen the face of the Mad Mullah. He is a religious chief, and a Mohammedan,
and is by no means "mad." On the held in great esteem by the followers of the Prophet He is said to be about thirty-three years of age well versed in the art of conjuring learning goes, and which, in the East, is of material use to him in the
absolute ascendancy which the whole, the Mad Mullah is a personage who is likely Great Britain before he is finally disposed the flesh to Seldom has the closing of an old year and the
opening of a ner been marked by a more appalling lis of disasters than those which occurred between Dec. these dates came the terrible accident at Laurel Rut Pa., in which the "D Dquese Limited" crashed into a
pile of timber, killing sixty and seriously thirty more. On Dec. 2ixth, twenty-two people were
killed in the killed in the collision on the Pere-Marquette Rallway
near East Paris, Mich. December 30th was marled the horrible holocaust in the Iroquois Theatre Charked by in which upwards of six hundred lost their lives. On
press at Willard, Kansas, sacrificed twenty and injured
many ; and, on the same day, the boilerg British cruiser, Walleroe, then two hundred and thirty miles south of Sydney, Australia, blew up, leaving, as hews came by telegraph that by the wreck of the steam ., over sixty men, women and children had gone, B watery grave. Besides these calamities, there have
been innumerable tragic accidenter part of the world, in which human reported from every wos and threes, came to a sudden end. Not in tanding the progress made by medical and surgical clence, the death-list seems to hold its own. Sica
Whether Britain will
war between that country and Russia is a questiont world knows, of course, that has been said. All the worn the course course, that she is keeping a keen eye
upon the East, and suspects
that ushing defeat at the suffer the Japs to recelve the possibility of such a contingency arisseans, should the Russians in inever, come into collision with those of is, if recent materialize at a much earlier a date. possiblitity that may Thibet, China's mysterious, tributary province to Col. MacDil be remembered, a British expedition under words of a recent writer. "، pawn in the great game which Mribet has become playing in Asia," and confirmation of this Russia ar would seem to be given by the report which came to Russia is even Russia is even now dispatching strong reinforcement
to Thibet. This report has not firmed, but that some trouble is brewing in Thibe con evident. On the same day came word that the Chinese residing in Lhassa are raising troops in the The ease-Chuan to check the British advance. summarized, is as follows: Thibet, hitherto, as briefly a sealed land. No white man has ever succeas bec penetrating it to any distance, or else those who did never returned. But it is reputed to be a rich land Last summer, Col. Younghusband was sent commerce. that representatives of the Grand Lama should maen him to confer concerning measures for removing hindrances to trade between Thibet and India. At the
border of the unknown land he was then send his military escort back if he that he must further. He refused, and returned to Indis, to go Col. MacDonald - was dispatched with a second expedi-
tion. Thibet is governed, to some extent, by its priests soldiers, however, are in all the towns, with Chinese generals at their head. The "Grand Lama, it has been Mysterious." Seaves his palace at Lhassa, "The Premier, who superior to him in power is a sort of ceremony is required at frequent Lima. That this gathered from the fact that the Grand Lama is alw be child. When he reaches fifteen years of age he disanother child, miously, whereupon the Premier appoints last Lama has entered. Thasserts, the spirit of the who, it is not unreasonable to suppose, may be Brit

## Give the Boy a Chance

To the Editor "Farmer's Advocate"
very humiliating to think that some boys you say it is very humiliating to think that some boys have an idea
that knowledge of scientinic farming could not beneflit that knowledge of scientific farming could not benefit
them in the least. Now, I don't think the boys are altogether to blame for this state of affairs, as many fathers think that what was good enough for them good enough for the boys, so the boy has no chance and still he keeps on want him to leave the farm, did. There is a farmer ing the way his grandfather seventeen or eighteen cows during the past who milked fattened eighteen pigs. He pitched all his hay by hand, and then grumbled about the times and how more money in buildings, farm improvents the little forts and education, instead provements, home com bank, they would get double the interest.
Prince Edward Co.
"ONE OF THE BOys

## Canadian Speakers at St. Louis.

tion the meeting of the Plant and Animal Breeders' Sec held in St. American Association of Agricultural Colleges by Dr, Wm. Saunders, Ottawa, on "" Wheat-breeding in troff : It's Objects and Results Species." Mr. Groff's specialty is floriculture, in which

Stock Judging in the Maritime Provinces. held at weew short course in stock-judging will "be commencing about the end of January. Truro, N. N. S.
and M. Cumming, of the Ontario Agricultural Coed

## NOTES AND NEWS.

A branch Hine of railway is being located between killarney and Lauder, Man
The customs revenue of the Dominion for the six
months ending December 81st, 1903, amounted to $\$ 20,653,761$, a large increase over the same period $20,653,761$, a large increase over the same perio last year. This is only one of the things
which are making the Finance Minister smile.
The Transvaal Government has placed an order for
10,000 head of cattle with Texas breeders for the pur pose of restocking the African farm
Four million seven hundred thousand tons of coal, an increase of three hundred and fifty thousand tons over the preceding year, were shipped from Nova Scoti daring 1003
An attempt will be made at an early date to
establish an English market estabacco
The Berlin National Zeitung states that Great Brit in has informed Germany that in commercial matter an must not be regarded as a loregn countr. purposes in Alberta will call for the excavation of purposes in Alberta will call $10 r$ the excavation o
$250,000,000$ cubic feet of earth. The completion of th rrigation system in that district will, it is expected I land, now comparatively यjeless because of the periods of extreme drought to which the area is sub
When Sir Charles Gavan Dufly was a leading figure In Victorian politics there sat in the Melbourne parlia-
ment a wealthy, but not well-informed, butcher. The chief secretary of the day was deprecating the attitude of the leader of the Opposition, whose conduct was, ho declared, worse than Nero's
leaver, with Nero interrupted the knight of the cleaver, with equal scorn and sincerity.
" Who was Nero ?" replied the delighted chief secre tary. The honorable gen tleman
-- There is a wide difference in success between the earnest, energetic farmer who makes a dairy studen of himself, and the average farmer who keeps cows, al". It is a law of good make the bes of everything."-John Ruskin.
A Sheffield firm has undertaken a contract to supply , 000 tons of steel rails for the Temiskaming and will, it is said, be sufficient to complete laying the track as far as
from North Bay.
The Reciprocal Trade Bill, recently passed in New Zealand. by which Canada will be enabled to establish better commercial relations with the colony at the
Antipodes, attracts much favorable comment in Canada. A Connecticut ". small, farmer," whose domain
amounts to only thirty-three acres of land, has shown that the small dairy. when well managed, pays very well. Last year, from nine cows, he sold milk and
cream to the value of $\$ 1,369.61$, bestdes the milk used by two families. In addition, he sold pork to the value of $\$ 182.66$, and $\$ 65$ of hay.
ands near Wilkeslarre, Na., that expert hunters have
heen employed to kill them. They were gnawing the bark and destroying many of the trees.
The butter production in Minnesota has increased 100 per cent. per cow during the last twelse years.
This is attrituted to the fact that a steady educatlon One of the forty German farmers who wade a tour country in extent and fertility, but I can see that your
farmers are not making half the profit they would make if they were better educated in their business; and,
besides that, because they are not as well educated besides that, because they are not as well educated
as they should be, they are rapidly destroying the fer tility of their farms." This criticism, coming from
son of that hotbed of scientific endeavor, Germany
nay possibly be worth a thousht or two It is stated that the cold-storage men took fully one-
third of the fish caught on the Columbia River last year. The fish-canning fraternity may not care to hea
things like this. things like this.
There are now more than 500 students taking the agricultural course in Wisconstn University. Just 50
more enthusiasts who will assist in putting agriculture into its true place among the arts and sciences. heir instruments after each using. This is Ch might well be followed in other places. leading fruit and produc
rites that Canadians are thaties for
futh Africa.

Owing to the war in South Africa and the droughts
Australla, there has been a tremendous falling off in in Australla, there has been exports from these places. Canadian manufacturers, who have hitherto been accustomed to imare beginning to look elsewhere for their supplies, and have found that wool from the Territories, especially Alberta, is very similar to certain grades grown in South Africa and Australia. This should be encourag g to the Northwest wool-raiser
Rev. Father Burke, of P. E. I., writes us : " The enterprise and speaks volumes for the agriculture Canada."
In the Olds (Alta.) district, Niority Bros. are re ported to have threshed 350 bushels Early Banner oats In the same district. W. Bame's threshing outfit has Anished work for the season, during which they have
threshed the following : oats, 28,687 bushels: barley hreshed the following: oats, 28,687 bushels; barley
6,284 ; wheat, 485 ; rye, 18 ; timothy seed, 176 . A large number of the alumni and ex-students of the Iowa State College, who are interested in agriculture, met at Ames and formed an organization, to
known as the ". Iowa Agricultural Union." This organization is similar to that of the Guelph Experimental Union, of Ontario, and the Ohio students' Union as follo. The officers elected for the ensuing year are as follows: President, R. B. Eckles, Aplington; Vice
President, T. A. Hunt, Ames: Secretary, G. Christic, Ames; Treasurer, Acrman Knapp, Ames : Committee, and E.C. Beard. Decorah. Member of the

Dr. James Mills for the Railway Commission.
Despatches from Ottawa, as this issue of the Farmer's Advocate" goes to press, state that Premier Laurier has ofer orime College Guelph a pocition on the Canadion Ruilway Guelph, af Blair as chairman a position which he has ac cepted, was announced in our last issue. The other commissioner ppointed is Hon. M F Bernier late Minister of Inland Revenue M.P. St Hyacinthe PQ, who will probably be succeeded in that portfolio by Hon. L. P. Brodeur present Speaker of the House of Commons. Hon H. R. Emmerson, M.P. for V.estmoreland, N.B. has been sworn in as Joinister of Railways and Canals, as successor to Hon. A. G. Blair. The Chairmanship of the Railway Commission carries a salary of $\$ 10,000$ per year, and the two other of ten years Commissioners are not elipible after reaching the age of 75 years. Dr. Mills is at present 63 years old, and is one of the bestment in Canada to-day. The Secretary of the Commis:ion, whose name is not yet announced is o receive a salary of not exceeding $\$ 4,000$ per Year. We understand that 11r. Mills has accepted The retirement of In Mills at this juncture Agrimultral Colleqe, made famous throughout cra of advancement must now be inaugurated, and he inception of the Maadonald educational instistill more serious responsibilities upon the president. Obviously, a man of exceptional attainments and qualifications is required for the posi-
tion. Should none of the present oollege staff. in which good presidential timber is not lacking, e adsanced to the presidency, the "Farmer's Adrocate would suggest as a successor to Dr
Mills, Frof. C. C. James, B.A., M. A., formerly l'rofersor of Chemistry at the college, from which he retired a few years ago to assume the imture for Ontario, in the discharge of the duties of which office he has displayed qualifications of the very highest order. During recent years he has Iso been the author of several works in relation

## South Grey, Ont

## early as the midae December the roads have

assable with snow-an unusual circumGood yearlings cannot be bought for

## There are not many cattle fattening

## Oxford versus Kent.

Your oxfordcorrespondent spent a few days lately in Kent Co., where corn seem to be the principal crop, and or no attention paid to the comfort of cattle and round the straw stacks or in open pens very plentifully orovided with ventilation by buards broken off. The arms we visited were laboring under a great disadantage by the quarantine then in force, in consequence pens with a plank floor, slightly raised from the ground, with a space underneath, which could not be cleaned ut, but where all sorts of bad odors and germs might beed without the least hindrance. Then, there seemed to be very few, and, in the majority of cases, no roots at all raised, and nothing but corn fed to pigs from one end of the year to the other. Very few cows were kept on the farms 1 visited, so that there
was no milk or whey to feed to the pigs. This conwas no milk or whey to feed to the pigs. This con-
tinual feedirig of nothing but corn could not, in my opinion, be very healthy. There are many slow-running reeks through the country, where the pigs would likely be wallowing in summer, so that the cholera germs would very naturally be floated down stream from one
farm to another. In Oxford County the large majority of farmers have comfortable bank barns, where all the animals are kept at a temiperature above freezing point. Our farmers could not sleep at night in their own comfortable beds if their animals were exposed to
all the cold that blows around a straw stack. Kent County farmers have not stones to build bank barns is we have, and even sand and bricks have to be hauled great distances, and are expenslve, but lumber and tar felt are comparatively moderate in price, and pigs. If these great crops of corn of the County Kent were put into silos, and warm quarters provided or cows and pigs, and if every 100-acre farmer would keep from fifteen to twenty cows, or more, and pigs to orrespond, in a few years the farmers would receive a i silos and comfortable quarters for the animals, and wenty-five per cent. of profit every year besides. I hear some one remark, "But look at the labor." Well, anl wisely-directed labor there is profit. Some one may vide enough of it, some enterprislng cheesemaker will ffer his services to make it up for you; or you could aise calves by letting two suck a cow. But the cheese industry is the best under present circumstances.
The Kent farmers I visited were very comfortable in The Kent farmers I visited were very comfortable in investment if they would make their animals as comYortable. It certainly takes much more food to keep a Cow up, standing beside a straw stack on a cold night under. than if she wer is down about zero, or perhaps in a comfortable stable where the thermometer egistered over fifty degrees. On a few farms in Kent he corn shredder had been at work, and was generally
appoved, but cornstalks were usually fed out to cattle, and in many instances to horses, just as they grew, wkward to hanclle. oxford pulp roots and mix with the cut cornstalks which mahes a nice, palatable, healthy feed for cattle. Two-Dollar Wheat

Thompson, Vice-President and Managing iirector of the Ogivie Flour Mills Co., places more

feliance on the increasing demand for breadstuffs the than he does in the war outlook. He points of wheat countries where, until recently, He points out that nknown, are beginning to use bread as a daily food with the result that they will suon take a considerable hart in the world's consumption. Four years ago, not more than one per cent. of the population of Japan
ate bread. Mr. Thompson places the percentage now as threefold more, and expects to see a rapid increase within the next few years. He applies the same to such other countries as China. Mr. Thompson was sked: " Ilo you think wheat will sell higher than apan ?" rices, still the man can say definitely as to future uch as to indicate a higher level of prices for the next Weaning that wheat at $\$ 1$ during the past five years, conditions now prevailing will be as common as 70 and 75 cents during the past few years."
"Then you expect most prosperous conditions hroughout the Canadian Northwest ?" ". Decidedly, I do. In fact, I believe that no agri-
cultural country in the world to-day has a brighter cutural country in the world to-day has a brighter
future than our Canadian Northwest.""
". Where would wheat go should war be declared ?".

Increased Elevator Capacity
liam has been increased $2,500,000$ bushels by the comp pletion of C. P. R. elevator F, an annex to elevator
D, and an annex to King's elevator. The latter wiy

ANUARY 21, 1904
THE FARMERS ADVOCATE

Ottawa Seed Fair


## The Local Secretary


#### Abstract

rs' Institute workers at the Ontario Winter Fair, a speaker attributed the lack of interest in Institute meetings to the local secretaries. No one will pre- tend that nd promoters of enthusiasm, but, judging by thorganizers own district, the local institute secretaries deserve credit, to blame the local men, but well for high officials officers in this country who give a blg return in class of or small remuneration and little or no glory it is the local institute secretary. If any one doubts this let him try the work for a couple of seasons, keeping the the delegations of speakers, advertising meetings after ing the local papers posted, driving late and early, arranging for halls and excursions, keeping up the membership and other duties, and he will soon get his eyes pened. It is quite possible that Institutes may wane n interest like other organizations, but I certainly can not wonder if the hard-worked and, in many cases underpaid local secretary should sometimes feel like waning to the vanishing point. In my judgment, also, the pay of the travelling speakers is not adequate for charge of the important functions of public proper dis achers upon the platform.


## MARKETS

## A Nova Scotia Report.

We have had lots of cold, rough weather, so that Winter enough. The cold winds have been pretty hard
on milking cows, but other stock is doing all right.
The The roadsh have been quite bady drifted.
The beef cattle market month ageof cattle market is a little brighter than
demand to demand for some time. There is an increasing demand selling at. feeders. Pork is down to ". rock botton,
 tew have been sold at 30c. a dozen. Chickens or any other fowl are retailing at 14 c . to 15 c . per pound.
Cumberland Co., N. S., Jan. 11.
C. H. B.

## Buffalo Markets.

```
84.90) to $4.95.-Shoge-Heavy, $4.95 to $5.05; mixed
*)
$4.60; ewes, $4 to $4.25; sheep, mixed, $2.50 to
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## Toronto Markets.

Prices for all classes of produce showed strength
during the past week, and in some cases during the past week, and in some cases substantial edvances were made. Supplies of export cattle scarcely advance for the best lots, the best prices bein slight early in the week. Wheat tontinues steady, and paid
and have risen in response to the advance in the rolled product. Sellers of grain are. confdent, owing to the
firm tone of outside markets. wheat at Winnipeg learned with some surrorise the in Japanese agent. S . Tamura, could not handle the best grades of Manitobe on account of the price, but took rather 500,000 bushels of Pacific coast wheat. A leadTrgech \$1.00 in that Province. Quotations on thil shortly ket are:
Cattle- -Best exporters, $\$ 1.60$ to $\$ 4.90$ per cwt.
medium, $\$ 4.40$ to $\$ 4.60 ;$ bulls, $\$ 3.50$ to $\$ 4.00$ butchers' catte, choice picked lots, $\$ 4.25$ to $\$ 4.50$ quality, $\$ 3.50$ to $\$ 3.80$; bulls, $\$ 3.00$ to $\$ 3.2=$ cows, $\$ 3.25$ to $\$ 3.50$; milch cows. $\$ 30$ to $\$ 5$.
Sheep and lambs. L Lembs, $\$ 5$ to $\$ 5.85$; yearling $\$ 5$ to 85.75 ; wethers, $\$ 4.50$ to $\$ 4.75 ;$ ewes, $\$ 4$. $\$$ Hogs. - -eest macon, 85.20 to $\$ 5.55$. fats, $\$ 5$. hogs mas strong dispatch says: "The market for live 5 kc . For straight lots, off cars Dees belve unchanged and demand active. Abattoir dressed hose were light and prices were strong at 7 tco. to 7 tic
 PRODUCE.
Wholesale Pricee
Flour.-Holders of 90-per-cent. patents are offering Buyers are willing buers' bags, F . o. b. main lines west steady to firmer. First patents are quoted at 84 to $\$ 4.90$, second patents at $\$ 4.35$ to $\$ 4.60$, and stron Torontal $\$ 4.25$ to $\$ 4.50$, bags included, on the trand
Wheat.-Ontario-No. 2 red, white and mired quoted at 79 c . for milling. Spring ts steady for No. 1 east, and 73c. for No. 2 east. Goose is quiet a at 93c., No., east. Manitoba-No. 1 hard is quoted and No. 3 northern at 84c., on track, lake ports. Mill-ing-in-transit price for each grade is octmore ports. Mill

 on the track at Toronto. New, 51c. for No. 3 yellow, Oats.-No. 1 white are quoted an track hew freights,
30tc. middle freights, and 29 to. high freights 2 white, 1c. less. middle freights; No. 3 , extra, 40 Coc . to 42 Cl . 4 c . middle Ireights, and No. 8, 88c, east or middo.-Rye.-Steady ; No. 2 is quoted at 52 c ., low, middle
high freights. high
Peas..- No. 22 ${ }_{2}$ are 62 c . Iow freights, 61 ch. middle eights, and 61c. high freights.
Buckwheat.-Market is steady; No. 2, 47c. Iow reights, 46c. middle, and 45c. high freights. $\$ 14.50$, in bulk, for shorts, and $\$ 18$ for bran, in car lote mag ind sed Oatmeal.-.Steady, with prices unchanged. Bags are
 the track, Toronto. Broken lots, 30c. more.
Baled Hay.-Prices are unchanged and steady. lots, on track, Toronto, are selling at $\$ 9$ per ion, Baled Straw-A quiee trade ts passing with no
hange. Car lots on track are quoted at $\$ 5$ per ton, $\xrightarrow{\text { track }}$

Prices are steady and unchanged. Car lots, on track bere, are quoted at 65 c. to $\mathbf{i O C}$. per bag, and potatoes Butter.-
$\qquad$
Dairy, pounds rolli
Diry, large rolls
Dairy, tubs, best
medium

| 14c. |
| :---: |
| 15c. |
| 15. |
| 10. |
| to |
| 17c. |

Cheese.-A quiet trade is reported
10tc. to 11 lc .
Eggs.- Cose, twins, $\ldots . . . . . . . . . . . . . . . . . . . . . . .11$
$\underset{\text { Eggs, }}{\text { Eggs. }}$
new-laid, per dozen $. . . . . . . . . . . . . . ~ 33 c . ~ t o ~$
selects,
35e selects, per dozen
storage, per dozen 28c. to 23 c.
28c. to 29 .
2c.
limed, per dozen 23c. to 24 c .
oultry.-
Turkeys, per

 retall prices, toronto street market What, white, per bushel Wheat, goose

Peas …
Gay and straw
Hay, timothy, per
Hay, mixed, per ton .................. $\$ 9.00$ to $\$ 10.50$

Alsike, choice 1 No 1 Sedre
 Alsike, foancy
Red, choice...
Red, good, No

Timothy seed | 5.75 |
| :--- |
| 5.50 |
| to |
| 1.50 |

$\qquad$
Potatoes, per bushel
Potatoes, per bag .................... 70 d
Dressed Hogs. - Heavies, 80.75 - 95 . to $\$ 1.00$
Butter, 20c. to 24c. per 1 lb .
Eggs, 35c. to 40 c . per
${ }^{\text {Eggs }}$ Poultryc. to 40c. per doze
turkeys, 13c. per 1b.
to $\$ 1.00$ per pair

## Canadian Live Stock Exports.

B., and Portland, Maine, for the ports of St. John, N. s compiled by Robert Bickerdike \& Co., Ltd., ion Live-stock Exchange, Montreal : Co., Lttde, Domin-

## British Markets.

Lbondon.-Live cattle, easier, at 11c. to 11 Lac. per
1b. American steers, dressed weight ; Canadior
 ib. Sheep,
dressed weight

## Chicago Markets

\$5.75 : and feeders, $\$ 2$ to modium, $\$ 4.15 ;$ canners, $\$ 1.75$; stockera
 Mixed and butchers', $\$ 4.75$ to $\$ 5$; good to cholee hight, $\$ 4.50$ to $\$ 4.85$; rough, heavy, $\$ 4.70$ to $\$ 4.95$ $\$ 4.25$ to $\$ 4.50$; fair to choice mixed, $\$ 8$ to $\$ 4$.

Clydesdale Stallion, Pilgrim $7020 \ldots 87$
Grofrsis Prizewinning Herd
In Winter Quarters

## Purebred Live mitorial

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'Tis sweet to hear the watch-dog's
honest bark
Bay deeponthed welcome as we draw
near home
'Tis sweet to $\begin{gathered}\text { know there is an eye will } \\ \text { marke } \\ \text { Our coming, and look brighter when we } \\ \text { come. }\end{gathered}$
A FAIR BARBARIAN.
by frances hodgon burnett.

## CHAPTER V

Accidental.
When dinner was over, Lady Theobald ness of their expression, his features When dinner was over, Lady Theobald regular and aquiline, his movements
rose, and proceeded to the drawing leisurely.
room, Lucia following in her wake. As he coversed with her grandmother, room, Lucia following in her wake.
From her very babyhood Lucia had disliked the drawing-room, which was an imposing
apartment of great length and apartment of great length and height,
containing much massive furniture, up , been every where, and seen everything and girl's eveningaded blue satin. All the ing his privileges. The truth was, that been spent sitting opposite her grandmother, in one of the straightest. of th
blue chairs: all the most scathing re proofs she had received had scathing re admin istered to her at such times. She had
a secret theory, indeed, that all unpleasant things occurred in the draw-ing-room after dinner.
Just as they had seated themselves,
and Lady Theobald was on the point of and Lady Theobald was on the point of
drawing toward her the little basket drawing toward her the little basket made a duty of employing herself by
knitting each evening, Dobson, the coachman, in his character of footman, threw open the door, and announced a
visitor.
" Capt. Barold." Lapt. Barold."
Lady Theobald dropped her gray mit-
ten, the steel needles falling upon the ten, the steel needlesped falling upon the
table with a clink. She rose to her feet at once, and met half-way the young
man who had entered. man who had entered.
" $\mathbf{M y}$ dear Francis," she remarked,
"I am exceedingly glad to see you at
last," with a slight emphasis upon the "at last." "Tha-anks," the gifl's innocent freshness, and that

Then he glanced at Lucia, and Lady wahe fir a man to whom gentleness and
Theobald addressed her:-
u 1 ,

Lucia had never seen her display such tered and courted until they bere flatcordiality to anybody. But Capt. little dictaterial, and our girls are
Francis Barold did not seem much im. sjuiled at home. And the result is a
pressed by it. It struck Lucia that
would not be likely to be impressed
anything. He seated himself near $h$anything. He seated himself near
grandmother's chair, and proceeded


$$
\begin{aligned}
& \text { randmother's chair, and proceeded to camot help feeling the greatest anxiety } \\
& \text { xplain his presence on the spot, with in secret concerning Francis. Young } \\
& \text { ut exhibiting much interest even in his men so seldcm consider these matters }
\end{aligned}
$$

$$
\begin{aligned}
& \text { grandmother's chair, and proceeded to } \\
& \text { explain his presence on the spot, with- } \\
& \text { out exhibiting much interest even in his }
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$$
\begin{aligned}
& \text { own relation of facts. } \\
& \text { I/ I promised the Rathburns that I }
\end{aligned}
$$

$$
\begin{aligned}
& \text { would spend a week at their place ; and } \\
& \text { Slowbridge was on the way, so it oc- }
\end{aligned}
$$




$$
\begin{aligned}
& \text { The Rathburns pace, Broadoaks, is } \\
& \text { about ten miles farther on ; not far, you }
\end{aligned}
$$

Lucia gave him a pretty, frightened pleases her great-uncle, old Mr. Dugald
look, as if she felt that, after such an Binnie of Glasgow, she will he for audacious confession, something very serious must happen; but nothing seri-
ous happened at all. Singularly enount it ous happened at all. Singularly enough, it
was Lady Theobald herself who looked was Lady Theobald herself who looked
ill at ease, and as though she had not
been prepared for such a contingency
been prepared for such a contingency,
During the, whole of the evening, in
fact, it was always Lady Theobald who unate girl. eccentric fashion, that his immense for tune will either be hers or will be spent kindilding charitable asylums of various
kinds, He is a remarkalle and singular When Capt. Barold had entered his dislinguished relative's drawing-room, he
.. I should like to see more of slow had not regarded his third cousin with a
very great deal of interest.
$\qquad$ intention of taking his departure on his midday train, Lucia wondered again what would happen; and ngain, again What would happen; and again, to her
relief, Lady Theolbald was astonishingly
lenient.
seen too many beauties in his thirty
years to be greatly moved by the sight
of one : and here was only a thir sight who
had soft eyes, and looked young for her had soft eyes, and looked young for her
age, and who wore an ugly muslin gown,
that most girls could nct have carried ff at all. girls could nct have carried your life in Slowbridge? greater part of
scended condescended to say in the course of the
evening.
" I have lived here I have lived here always," Lucia
answered.
"I have never been away "ore than a week at a time."
"Ah?" interrogatively. ." hope you have not found it dull." "I hope "No," smiling a little. " Not very.
You see, I have known nothing gayer." ." There is society enough of a harmless kind here,"." spoke up Lady Theobald
virtuously. virtuously. "I do not approve of a
round of gayeties for young pecple: it Tound them for the duties of life." ably impressed by these remarks as
might have been and might have been anticipated.
. What an old fool she is.,. "What an old fool she is !" was his at once to make his visit as resief as possible, and not to be induced to run down again during his stay at Broad-
oaks. He did not even take the to appear to enjoy his evening trouble to appear to enjoy his evening. From
he earliest infancy, he had always found it easier to please himself than to please other people. In fact, the wcrld had devoted itself to endeavoring to please
him, and win his-toleration, we may sim, and win his-toleration, we may
saystead of admiration, since it
could not hope for the latter. he had been adored rapturously by a male relatives; at school his tutors had been singularly indulgent of his faults
and admiring of his talents, even among
his fellowing his fellow-pupils he had been a sort of
autocrat. Why not, indeed with such lirthrights and such prospects? When
he had entered society, he had met with even more amiable, he had met with
treatment from
affectionate mothers, from innocent anectionate mothers, from innocent Who voted him an exceedingly fine fellaking the trouble to seem pheased by petticoats and a badly-dressonadier in
we cannot overnulect you, of course ". We will. overrule them," she said thing of you during your to see some oaks. It will be very easy for you to un down and give us a few hours now He Tha-anks," said Capt. Barold. thusiastic, during the few remaining through the stay. He stauntered grandmother's wish. He him oredience to her her particularly troubtish. He did not find was away from her ladyship's shide
When she cotton gown and straw hat her simple to him that she was much pretier than nomical reasons she had made the eco-morning-dress herself, without the slight-
est
regard for
$\qquad$
$\qquad$ the waist, there was nothing to place her charming figure at a disadvantage and simplicity delighted that shyness but, at least, they did not Cisplease him; himself, at all events", a fellow to exert comment : and he did not eas his inward But, on the point of taking his dovery gracious remarkar as to make a of seeing you in London for a pleasure (efore very long," he said : "' my meason, at you, it Lady Theobald taking charge "Lucia never goes from home alone," tainly be Theobald; ". but I should cerMother for her good offices, in the case if too old a woman to alter London. I In obedience to her ladyship alta the vebedience to her ladyship's orders, door; and the two ladies drove to the It was during this drive that a very
curicuss incident which, perhaps, this story owes its existence, since, if it had not taken place, o a timidy very glad when, in answer there might, very possibly, have been no " It is half-past ten. You may wish Just as Dotson drove rather slowly up Lucia obeyed, as if she had been half- the presence of Miss Belinda Bassett's
 Nollowing her example. Dobson led him to a stately chamber Clat modest structure.
$\qquad$ nd most luxurious chair, sat down in For the moment he was almost
and lighted a cigar at his leisure. Confoundedly stupid hole ! ? he suid smile lighted his face, and his cold
$\qquad$
$\qquad$

## THE FARMERS ADVOCATE

Queen Draga's Wardrobe
During the first week of January, the will be used to help in paying off the bright, kindly, and fenversation be with women, who had assembled to bid
on the articles of Queen Draga's anxiety of the buyers auction. The from the fact that, in that be inferred
ferstition superstition, possession of any of the
murdered Queen's things will be held to murdered Queen's things will be held to
bring good luck to the owner. for a queen : indeed, it has been stated that few American society girls could get along on less. . Nevertheless, to the
ordinary reader. ordinary reader, the supply does not
seem exactly inadequate to the noeds even of a royal personage. The lack of jewelled trimmings and priceless laces is, however, quite remarkable, so much so as to clear the poor Queen of the
charges of extravagance which were charges of extravagance which were
laid at der door.
Among other things offered for sale were her wedding-dress, a oreft, white
silk gown, trimmed with small bunce silk gown, trimmed with small bunches
of myrtle, which, it is rumored, has been bought by Madame Modjeska, who will use it as a stage-dress in her character of Mary Queen of Scots; twenty-
one carriage dresses of woollen stuf usually gray; seven carriage dresses of of
sillk, and five silk, and five of velvet; eighteen silk blouses, and fourteen of baliste, all very pretty. One blouse is formed in the
military style, which is coming in again to-dya.
at is made of white ma-
tering terial, with rich gold eqaulettes of gold braid, and gold cord ornaments across the front. Queen Draga was very
partial to this blouse, and often said she would like to be buried in it. Instead of that, her poor body was
thrust by her it. thrust by her assassins into a potato There were also sold seventeen kimonos;
sixteen colored silk petticoats, teen white silk ones, also ten of white lawn; eighteen hats; fourteen fans; six
parasols, with jewelled handles, and one hundred and twenty pairs of silk stockings, many of which were mended. of
evening wraps, the Queen had only six, the reason of this probably being that
she scarcely ever dared to bo she hight.

Palace Square at Belgrade was thronged verious kinds a have put in claims of ity, and it is likely to be all right ity, and it is likely to be all right which may he made of sopics of conversation without launching into gossip. When You Entertain a Guest. Your fancywork; your flowers; your 1. Don't rossip, telling all the dairying your chickens, or cowe, or nasty" things you know about servations on the sky, or sunsets, or 2. Don't haul out all the photos of the winter woods; "nice " things our friends which you own and ex- ahout your neighbors; a new book; hibit them. It is all right to show a a concort a late paper or magazine icture occasionally, if comes are just a few of the subjects -these if there is any especial reason, in the mind of a woll-dispose doing so ; but it is vulgar to make interest make matter for cheerful and mere exhibition of photos which $\quad$ THE HOUSE-MOTHER, The chances are just for yourself: sn't the least interested your gues the photos of these people whon 3. Don never seen.
memorial cards or a whole series of very gruesome things, They are how dear or interesting they may be o your they are not likely to be so variably visitor. Besides, they infunereal cast to the conversation. 4. Don't talk about your ailments in detail, or enter into particulars 5 . 5 any sick person.
5. Don't tell about any of your
private business affairs, or those your friends. If you do, you may
wish some day the 6. Don't do all the talking self. . Do be bright and cheerful
8o be kindly 9.. Do be a good listener now and again, and lead your guest to talk. The conversation should be well balanced.

$$
\begin{aligned}
& \text { balanced. } \\
& \text { 10. Do try to make your guest } \\
& \text { feel at home. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { feel at home. } \\
& \text { 11. Do talk naturally. Keep af- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 11. Do talk naturally. Keep af- } \\
& \text { fectation at a safe distance. } \\
& \text { 12. If you are clever bo }
\end{aligned}
$$

$$
\begin{aligned}
& \text { 12. If you are clever, be sure you } \\
& \text { talk well within the comprehension }
\end{aligned}
$$ of your guest It doesn't mattion much what you doesn't mate

## Domestic Economy.

Too much care cannot be taken i girl or boy is of the luncheon it meal to school. Paraffine midday should be used to protect paper le on the bill-of-fare from its artibor, while a fresh linen neigh napkin should be furnished paper The odor of a stale napkin to discourage a fastidious at the start. Pack the appetite the order in which they are thing in eaten, with the substantials to be wiches, eggs or chee el sand Bananas are also usually at the top on top, as they decay best placed crushed. Other fruits as soon as paper, if juicy should wrapped in bottom, with the we lid homemade cookies, a turnover, a in between. ©
When ove.come by bodily fatigue stimulant, so called, serves so well purpose of refreshment and rest,
both bodily and mentally, as milk readily take it, hot as one can slowly from a tumbler, and as it is eassiy digested one feels very soon realize the stimulating qualities of this simple beverage

Mourning wash goods are a little difficult to starch nicely. Boil one quart of clean wheat bran in three still warm, strain through cloth, and wash the black muslin or linen in it. Use neither soap nor starch. Press while damp.

क
If the hands and feet perspire freely, a jar of powdered alum is a is not a good thing Powdered alum day, but dusted on the inside of the bands occasionally, after washing, or tween the sole of the foot and beface of the skin it will dry the surof the powder may be added to the water in which the hands were washed. Once in a while one sees off that frightful shiny lod to take the face. But alum is so drying it can hardly be used without pro Macs or accentuating wrinkles. Mass. Plowman

Rubinstein was very fond of a joke forte recital whe he was giving a piano accosted in a passage of the building by a lady, who said she was too poor to buy a ticket for the performance. to give her one. "Madamm" replied Rubinstein, " the fact is that to-night 1 have but one seat in the house at my cupying it, it is you do not mind ocvice." The applicant was delighted
"I am very much obliged," shighted. said,
"may I ask where the seat is?" "At
may I ask where the seat is?" "At


An Olden-time ${ }^{\circ}$ Wedding Festivity.

$($ (Mith the Flowers.). )

A plant whose rich, tropical ap-
pearance, as well as the ease with which it may be grown, should especially recommend it to lovers of plants in country homes, is the cyperus, or umbrella plant. This is, really a sort of marsh grass, with erect stems, or culms, each crowned by a quft of leaves radiating circu larly around the end of the stem, the
whole bearing some resemblance whole bearing some resemblance the more expensive paln. There are two varieties of cyperus, the one quite dwarf, and suitable for table or window decoration; the other, four feet, is better for occupying places on the floor, or on low flowertables or jardiniere stands.
The cyperus is of the easiest propagation. You may get a sprig from a neighbor and start it by simply which is not permitted to of water cold, or you may get a piece of a root, as the roots of a large plant may be frequently subdivided without injury to the parent plant. More conveniently still, perhaps, you may instead of one
Cyperus seed should be sown in shallow boxes, and kept moist and warm. An under heat is best, so i stove or steam-radiator, all the a ter. When the seedlings are bei nough to handle, they should be transplanted into larger simply thinned out, so as to hav plenty of room, and kept warm and uoist until they are about two o three inches in height. Then they three-inch pots, which are immediate y sunk in a box of wet sand.
When these little pots are filled with roots, the plants may be move to four-inch pots, whose saucers ar ept filled with water all the time The final potting will come when the palm-like character, and are ready as ornaments, for the jardinieres or other vessels which they are to of cupy. It must be remembered tha the final planting must be into ves sels which will hold water, as the bog all the time.
water will immediately cause the ends of the leaves to become brown and shrivelled. The flowers of the umbrella plant, of course, like those
of most other grasses, do not of most other grasses, do not ance goes, and, as seeding exhausts
the vitality of the plant, should be emoved as soon as the panicles be in to show.
It may seem to some that shifting above, is an unnecessary recommended his is not so. It is the mig. But which has been proven to be the best by keepers of greenhouses and horticulturists who have made an art
of the successful raising of plants of the succe
and flowers.
and flowers.
cyperus requires is immaterial. Like many other bog plants, it will thrive in partial shade, and may be given a place in the eastern northern windows. The finest one I ever saw, however, grew in a bucket
placed in a southern bay window. This one consisted of a great mass of stems, surmounted by a canopy of green that almost filled the win", and, in looking at it, I wonthat anyone should prefer to ralms, rubber plants and

Some More About Dolly and Betty at Culleston Manor.

> We are now not very far from th end of our story. Very healthfully precious hours of that eventful visit to Culleston. The twins had stood somewhat in awe of the Squire and Madan, his wife, who, according to the young people of their family certain little formalities of manne and rigid obedience to rules which would surprise, and yet, perhaps, be a wholesome lesson in self-restraint to the children of our own day and gencration. It was surely no great their elders to pass onwards first to make a prim little curtsy at the door before entering a room, and waver to offer an opinion until it was asked for, whilst all reasouable cousins and their guests. They thad Deen allowed to slide upon the big lake in the park, though under care ful supervision to avoid accidents, and they had all come indoors after wards with sparkling eyes and rosy
cheeks, their arms laden with funches


Tiny Farmhouse at_Mow Cop, Cheshire.
> or mistletoe, ivy, holly and bright what they called their "mumming, vere even now peeping out wetween hey beheld a goodly company Che somewhat formidable array of who had apparently stepped down greenery which surrounded them, and hiom their picture-irames and had which, when put in water and kept weeks to come green and golden re- But the finest living lableau of thy minders of dear Culleston days.
> lem had donned a thick pair of
leather gloves, and armed with a
> harp knife had made war both on to the brim should be the filled hamper of good things which they were to carry back to Madam Rebecca. It was to contain turkeys, and savory) mew pies, pasties (sweet and savory), new laid eggs, scalded
cream, and the which the dairy maid of butter for was so oelebrated, but the holly, ivy and mistletoe were to be the boys' share in the good old Somer-
setshire custom, which still survives, setshire custom, which still survives, of first offering a welcome, a real
west country welcome, and send the guests away literally laden with spoils. IBut amongst all the happenings at Culleston, there was
> indelible impression upon a mo minds ing influence upon their livore, thatevening of their visit. 'They would Betty with the blue, smiling, but
return to Taunton with a solse of kinship with a family whin tenera- inmovable as they had been stand-
tions ago had taken part in stirring
events, and whose names had been handed down in the records of their ficed their means, and, in many cases their lives, in its service. As
they were led around the long corridors, and, gazing upon knight and lady in garbs quaint and curious, were told how this one had fallen at
Edghill, another at Marston Moor, Edghill, another at Marston Moor, self had been a very central point
in the stirring times of 1685 . "Why in the stirring times of 1685. "Why
is there no picture just there, bois there no picture just there, bo-
tween the Squire and Madam Culleston you have just told us about?"
questioned Mollie, with her small questroned pointed upwards at a gap she had spied about five feet from the floor. "Well," replied Basil, " that is our secret. You shall see that very picture this evening, and all and not before. They were asking about it when they walked round the gallery this morning, and I heard my father say, 'All in good time, iny friends. The young folks seem that pic something in hand about have their own way in the mem I expect the mystery will be revealed before Nurse Dibble carries her nurslings back to town.' "'
And so it was, and no later than eight o'clock that night. The elder daughters of the house, and the young girl guests of their own age. into the spirit of the thing. Thev had ransacked the old cedar chests in the attics, and rifled the armonry, so that when the grown-ups from
the dining-room were invited to sce
both together, and, " Yes ! echoed all over the room," was Nurse Dibble, fearing the excitement for them, gathered her nurslings into her loving arms, and said, till we get home, my pretties, and will tell you the story of how the great grandmothers of yourset and Masters Tom and Basil), they were only a few years olden han you are now, marched in the procession of the twenty-four maids of Taunton, carrying the satin banto do homage to ingers had worked, day ! they thought a hero, alack-aturned out to be no hero at all." It is not our purpose to relate the story of the Dolly and Betty of the older epoch, just as Nurse Dibble of four generations after and Betty happenied, partly because but a very modified version of the sad happenings of that eventful time could be pourer into the ears of the eager the writer, who was born in because of Taunton Dean, and who last summer was privileged to spend some weeks upon its surrounding hills, every foot of which was historical ground, wants to tell our readers pages of the "O Farmer's some later Meanwhile, Dolly and Betty made their last prim little curtsies they have been alternately both hugged and kissed; they have smiled leston and if their adieux to Cul it will be as pupils in the old achoin at Castle Green, under the gaum old archways of which their little great grandmothers had passed whe they dared fate by carrying thei banner , to welcome " King Mon

## Tiny Farmhouse

Tiny ., Farmhouse at Mow Cop Cheshire" is nearly 1,000 feet aboy the sea level, being on the top of th
hill Mow Cop. Up here quickse hedges are unknown, and dry ston walls of millstone grit are universal The size of the farm may be gauged The curious object in the the right is a great mass of hard rock known as the Old Man of Mow, and is visi ble for many miles from the Cheshire 1'lains below.

## Recipes

APPLE GINGER.
(Nice relish for breakfast.) Pare two and a hall pounds of sour apples; core and chop coarsely. Put pounds of brown sugar; the rind and juice of one and a half lemons; hald un ounce of ginger root, and one come to come to a boil, then set back on the
stove to simmer for four or five stove to simmer for four or five
hours. Stir occasionally to keep from burning. Put in self-sealers.
that which took place on tho lan as they were, stood what looke POTATO CONES
alt, pepper, and a little season with creain. pepper, and a little butter and
Mould in small teacups, tur out and sprinkle with crumbs and tho

The Largest Kitchen in the World.
long mittens on their dimpled arms long mittens on their dimpled arms,
and curious-looking turbans on their
heads, were ranged hamd in hund be heads, were ranged hand in hand be-
fore the curtain. 'Their little hearts thumped with excitement; their eyes danced with pleasure at being
dressed up so finely dressed up so finely, a pleasure
somewhat qualified by the thought "What would our Aunt Rebeccia say ?" Whilst one was whispering, answering, "' No, don't think am," the curtains fell apart, and there, just berore them, dressed just

## unveiling of the picture which ha

 been purposely removed in the morDolly and Mollie, who (knowing nothing of what they were to see) dressed in quaint short-waisted, strings of pearls around their neck Pamous Parts new kitchen, the has just finished its Which is used for preparing the meals other who employees of one sort and an These are all supplied with their meals the working hours may not be give larmest the table, the appliances are on the The smallest saucepan in the kitche holds 75 quarts, the largest 375 . There
are some 50 frying pans, capacity for 50 cutlets.
more than 7.800 egrg omelettes are served more than 7,800 eggs are needed, and 750
quarts of coffee are daily served. The
culinary stan consists of eo chel cookg
stall consists of eo chef cook

## shen in inow

Sow Beside All Waters. ever think kind words are waster Bread on waters cast are they, Coming back to us some day.
Coming back when sorely needed, In a time of sharp distress ;
So, my friend, let's give them freel So, my friend, let's give them freel.
Gift and giver God will bless.;

I began the year by saying tha able harvest unless we had a valuful supply of good seed, and that the seed might be obtained from our great store-house-the out of His ing our seed ready for planting, the sow it?" Some eager sowers fling it broadcast, not only " beside all waters," as Isaiah advises, but also e wasted. . where it is likely to ble of the Sower Lord, in the parasome seed will fall on hard ground, where there is very little chance of He is Himself the Sower, and His eld is the whole world. But He has not sent any of us with a ven He refused to preach or speak word to Herod. We are like round to plant and care for and it not right to neglect one's own family in order to do work for missions. The impetuous Christian season and out of season, with verybody he meets, is very apt to arouse the opposition of his audience. People may be too polite to
say, " I wish that fellow would mind is own business,"' but they a re probably be more repelled than wit tracted by such an aggressive
Christianity. If we are to win the blessing we must plant our seside all waters, carefully, in places where it is likely to take root. The best-watered
spots are usually found in the souls of young people. Somebody souls asked a thousand professing Chris converted. I have forgotten were statistics, but I remember that about 80 per cent. of the conversions took
place between the ages of 14 and 18 place between the ages of 14 and 18 ,
some earlier and very some earlier, and very few later
But probably the good influences which had been absorbed almost un consciously in childhood only began to begin too young. When a mother once asked a famous preacher when she ought to begin the education of gun five : Madam, you have be you can reach some little children and sow good seed that will bear fruit in eternity. It is so easy to
tell a child an interesting Bible story and then slip in a word or two many. St. Paul reminds the young bishop of Ephesus that he has known he Holy Scriptures from a child thank his mother and grandmon to
$r$ this his faith is said to have
dwelt first " in them.
Now that the Bible is almost ex-
cluded from our schools, home eaching is all the more necessary. Alp "Fresh Air" children from To-
ronto, who spent a month with many texts at had learned a grea very familiar with Bible stories. Perhaps " talking religion' any good purpose needs more tact sense," than any other work we
may undertake. Our desires and may undertake. Our desires and
principles are sure to be often reealed in conversation, but they should not be dragged in rudely and
forcibly. St. Philip preached the Ethiopian who offered him a drive along the road, but it was because the Ethiopian was reading Isaiah's prophecy of the, coming Messiah, and that subject. We all resen
who have no right to from peopl and yet we are most of us interested in a conversation on religious subjects. One short talk about God bright spot in the memory be a lifetime.
Is it necess shall we sow our seed heathen countries? It is said that a ship once signalled to another vesThe answer was startling. "Co down your bueket where you are."
The sailors were dying of thirst, and The sailors were dying of thirst, and yet they had drifted into the great
iresh-water stream which the carries out many miles into the sea They never thought of seeking what they wanted right where they were bon't let it be so with you. You out as a missionary to without going There are plenty of the heathen where you are, even opportunitie may be living many miles from neighbors on a Western prairie kindled a fight of the world has pects it to shine any soul, He ex all that are in the house. We have no business to hide our Christianity, or pretend that we do not care Lastly, let us never go out alone to sow the seed. A Welsh preacher who was asked to address a meeting in a private house, requested perfore the service began. After a long delay a servant was sent to call master that she back and told her Gryffyth say to some one who was go unless you go with me," and, as thought the preacher reply, she come. The farmer understood not Mr. Gryffythi was begging his Mas ter to be with him and speak Moses when he declared that said to not eloquent, " " 1 will be with thy Gouth, and teach thee what to say." sage to deliver ; don't let us cosy Jonah and turn our backs on our mission.

For a word a heart that hungers For a word of love and cheer
There are many such about us: It may be that one is near.
Look around you. If you find it, Speak the word that's needed so ened your own heart may be strengthened
By the help that you bestow.
It may be that some one falters
On the brink of sin and wrong And a word from you might save him-
Help to make the tempted strong Look about you, O , my brother! What a sin is yours and mine And we give no friendly sig
HOPE.

Lecture Bureaus for the Country: A New Movement.
So American Society for the Exaccomplished a great work in has large cities of our sister nation. The demand for popular instruction in science, literature and art has been its institutes in diferent centers and ts multiplied classes and lectures in the different districts of those ceners. 'The Society's purpose is to bring to busy people the instruction eg dectures by thorded by hear est men and woun stongest, bright or of receiving careful instruction under ablest teachers in the evenin class-room. It is for evening people, the people who have passed wish to keep step with period, yet dvanced thought . with the world schooldays were cut short by whos duties, and who wish to seize ever opportunity to cultivate the mind.
Being one of the busiest Beople in a metropolitan city, busy only too happy to avail myself the privileges afforded by this Society. Then, while resting in my suggested itself to my mind, " Why for our country helpful work be done university extension lines?" along Elaborate, nothing costly simply dur ing winter months courses of bright instructive lectures and concerts, a so evening classes under local lead to one suggestion was expressed council taken. All said earnes was worthy, the difficulty lay in it execution. Would able lecturers be willing to expose themselves to the unpleasantness of travel in the cout possibility of small audiences? Would the people care to go to even if the lecturers were found, "for lectures are dry, you know "'?
The first question has been an Swered in the affirmative for the bureau, with headquarters a lecture Young Men's Christian Association of London, has been established, with a long list of able speakers, them making no chars, some of none a charge above $\$ 5$ whatever, penses; and it now remains for the people of the county to answer the second. The bureau is only a cleargive readings anyone willing to lecture, country districts may music for names to Mr. A. S. Hopper the tary; and any community desiring such services need but to write him and a printed list of available talent
will be sent. It will then for each community to select its speakers and musicians, make aperal school arrange dates. In sevmade the request, teachers and mi isters have signified their willingness in every section leaders could be found.
This simple plan can be carried out in any county, and where it is car ried out and the people avail themmuoh pleasure opportunity, I believe sult. If great cities, with their sple libraries and their multitudinous portunities for recreation and cultion, surely rural such an organizamore restricted privileges alo, with lines, will be benefited by the these ment. In saying this, I in no sense
disparage the country. disparage the country. I should be more than sorry to give that im-
pression. A farmer's daughter, educated in a countryer's school, and a pubic school teacher, the country is

City, only duty holds ine there. With Truly say : Give me some still work to do, Only be it near to you;
For I'd rather be thy child And pupit, in the forest wild,
Than king of neen elsewhere ?
Fully do I realize that the coun be found in the prity vileges never to the country we must always to for our strongest men, the leaders. But 1 am zealous for th country that it may share what o good the city possesses, and so be desired.
cert from the lecture and con establishing may well be applied to libraries, or enlarging those already established. A good book, the right book, the book with a message to Biography-what world it opens up lives of the good tory and Travel-what a bringing ulated wisdom ages with their accum world! Nature-study - what the opener of blind eyes ! Poetry and wholesome Fiction-what ain ald to forming lofty ideals and understandthere be libraries-home libraries village libraries, school dibraries-the best books within the reach of all. The lecture courses, in themselves so serve a double to this end, and from other sources, as are. Funds grant, contributions from local patrons, and from former residentsinow in positions of affuence elsewhere, yet retaining their interest in the so that any community in amount, so that any community in earnest
to possess a library could do so.
HESTVER ALWAY

## You Never Can Tell.

## y Mrs. Ella Wheeler wilcox

## a tell when you send

Like an arrow shot from a bove an archer blind-be it cruel or kind, may pierce the heart of your dearest friend. Tipped with its poison or balm:
a stranger's heart in life's great mart
ou never can tell when you do an act
Just what the result will be ; seed. its harvest jough Each kindly act is an acorn dropped In God's productive soil: Shough you may not know, yot the tree And shelter
will do can tell what your thoughte In bringin
For though
or thoughts are things and their airy wings
Are swifter than carrier doves Each thing must creat the universe And they speed o'er track to bring you Whateve

## Humorous.

It is not often that Dean Hole tells so the excuse woulte as the following, bu so old that it has teen almost forgotton ling ?" Tourist.-' Why should I? Can't You earn it for yourself? Laborer Yes, but I've left my work.' Laborer.Well, if you leave it?' Laborer.living along with Farmer Skinflint, and he's just the nearest, meanest, miser ablest old screw as ever went to bed in the dark and put the candle end in his had to eat her ; -and cow died, and wo died, and we had to eat her ; and them


## Prize Competition.

Prizes will be given for the best original description of a day on a Canadian farm. You may describe a day in summer or in winter; tell of real incidents, or invent imaginary ones; speak of your work, or of country amusements. Write your name, age and address on the back of your MSS., and send to me be fore March 15th. Anyone under sixteen may compete, and, if possible,
the competitors will be divided into classes according to age. Address, "Cousin Dorothy," Box 92, Newcastle, Ont.

Afreid of the Dark.
Who's afraid in the dark!
Oh, not 1," said the owl, And he wiped his eye And fluffed his jowl-.' To-whoo Said the dog, "I bark
Out loud in the darkSaid the cat, "Miew : I'll scratch anyone who
Dares say that I do
Dares say that I do
Feel afraid-Miew
Afraid," said the mouse
or dark in the house Heart me scatter Whatever's the matter-

Then the toad in the hole, And the bug in the ground, They both shook their heads
And passed the word around

And the bird in the tree, And the fish and the bee They declared all three One of them alraid In the dark
But the little boy
Who had gone to bed,
And covered his head !
-Cincinnati Enquirer

## Resolutions

Twas a set of resolutions And signed in painstaking fashion By Nettie, and Joe, and Bee, And last in the list was written In letters broad and dark
(To look as grand as the other look as grand as the other),
" Miss Baby Grace her-x-mark ! We'll try always to help our moth
We won't be selfish to each other : We'll say kind words to everyone We won't the pusss's feet for And all the good we can we'11 d - It's just as easy to keep them The children gaily cried;
But mamma, with a smile But mamma, with a smile, made answer:
./ Wait, darlings, till vou're And truly, the glad, bright New Year Wasn't his birthday old,
When three little sorrowful face When three little sorrowful faces
A sorrowful story told. - And how are your resolutions? We asked of the baby Grace Who stood with a smile of wonder On her dear little dimpled face Quick came the merry answer She never an iustant lacked-
I don't fink much of 'em's broken But I dess 'em's 'bout all cracked

The day the children were having lesson on the guinea pig. aying: ", You see it has You see it has
Shortly after-
cholars to write

Father Time and His Children.
There once lived an or name was Time, and he had four chil-
dren, two boys and two girls. names were Winter and Autumn, and the girls' names were Spring and Summer.
Now, Father Time was very fond boys and girls, and he was always doing something to make them happy, but he believed that it was best for children have some work ro do, and not play all the time. So he told Winter, who was look after the snow and the ice. Nort Wind and Jack Frost.
Winter was delighted with his work, for he was very fond of the snow, and North friends of his,, and many a merry time these three had together after their work was done. One of the things that the had loved very much to do, was to freeze over the rivers and ponds, so that the
boys and girls might have skating. Summer, Winter's oldest sister, had a great deal to do, for she had all of the
fruits and nuts to ripen. Now, Autumn
knew that his work was very important and that the farmers depended on him

## Every Year.

There come new cares and sorrow
Every year
I'll do the best I can, and I'll get the Dark days and darker morro
sun to help me. The sun was very glad
Every year.
The ghosts of dead love haunt us, The ghosts of changed friends
And disappointments daunt us,
Every year.

You are growing old," they tell us, Every year.
You are more alone," they tell us,
Every year
You can win no new affection
You have only recollection,
and dejectio
Too true! Life's shores are shifting,
Every year.
And we are seaward drifting
Every year.
Old places, changing, fret us
There are fewer to regret us,
Every year.
But the truer life draws nig
And its merning star climbs higher
Earth's hold on us grows slighter, And the heavy burdens lighter,
And the Dawn immortal brighter
-Abert Pike.
Fashion Notes
Flaids will again be worn to a great atent. "ith trimmings of plain cloth
Buttons, liig, medium and small, aro being used extens vely as a trimming, as
wall na tor their ooldinat we en well as for their orlginal use of fasten-
ngs
Cord butlons are promisisng to to Cery popular, also those covered with

It is protably the popularity of cold bue.
tons that is bringing back again the miliLary effects, carried cut in various ways.
The collar of thack velvet
rrimmed well gold braid and tiny gold buttons, military Sraiding and frogging, tend to give a miltitry style. Military braid the exact wsed has always the best effect.
Leanther helts are worn much wider such as sation, silk and vell cot material. pretty, and may to made the widh to best suit the igure. The broad bodice ars shown tor the slender figure, cut wide stout person the sott narrow. For the the Handererchit
 with the fancy youatus casty we obtaine embroidered), and a very very dinty fine fins They. make for a shirtwaist. For a
collare and a pair of cuns, two nandker
 Ono hanakerchief is required tor the
collar.
cut in two and fold one halt on the foumdation cullar so that the harder forms a turnover. The othe front, which give the collar a trim and The cuffis may be made perfectly straight or forming a point at the top,
with the ends crossing underne corner of the handkerchief may be Thed to form the point on the cuff. It is
to ised understood, of course, that this cuff is
not made on inside the cuff on the sleeve, and turned In hemming liberty silk, chiffon or
any very thin material on the machine, great trouble is experienced because of it being dragged into the feeder and
gathered up into a little bunch. By putting a piece of paper bunch. By Cloth plate and the material, and sewing
them together, the evil laper is easily torn away after the sew-
ing is finished

## 

onions under water, or immediately
before a stove which "/ draws

current of air." Farmer's Advocate", DURDEN.

## An Explanation.

it has been found impossible to in sert any of the Ingle Nook prize
essays this time, In given a place at the earliest possible
opportunity. DAME DURDEN.

The Nervous Child's Training

## tion is to be pitied or envied, accordi

as he has parents who do or do not
made or treat him. Character is wont to believe, by more than we are the child receives, and the fuing which child is more absolutely in the keeping of its father and mother than is that of the nervous child. By injudicious treat ment such a child may be made to gro with all the world, whileck, at odds management it may develop into wiso the highest types of lopa me woman - gentle, affectionate, sensiltive intellectual and dependable
The nervous child
manage, especially if the often difficult tient with its despondency or is imp tability. Scoldings only increase the ension of its nervous system, and more cevere punishment, which the phlegmatic its betterment, is often cruel ind to extreme.
There
hildren-the two types of nervous go, inquisitive and achuisitive bu the ate as the mimosa leaf, shrinking crd; and the first repulse or harsh child, intelligent and thoughtful, but re iring. The child of the first type de philanthropist, the inventor, the active cr, the adventurer, or the leader of been wise or foolish. $\quad$ The child of the second type becomes the philosopher the thinker, the man of letters, the poet, the
misanthrope, the sour recluse, and the misanthrope, the sour recluse, and the
plotter against society and government. One great mistake in training a nervous child is to try to strengthen the
nerves by opposition. A nervous child nerves by opposition. A nervous child
must be guided, not driven ; if afraid must guided, not driven; if afraid sleep in a closed room without a glim-
mer of light. It should not be laughed at for its natural timidity, but should be gently convinced by argument of the
groundlessness of its time its physical constitution should re ceive careful attention. Tonics, good
digestible food, an cpen-air life ance of long hours of study, frequent serviceable, but, one might sat only dispensable in the transformation of the well-poised man disposition into the

## Good-bye, Old Year

## God-hye , Year.

Thou'st steeped in joy or filled with Sne thrill for all - before we part
For mem'ry's
$\qquad$
Good-bye, old Year! Thy world o
Love
Glows once apain on memory's wing Will hide in flowers, with songs of
spring. spring.
That star of Hope beams out to-night-
Go forth for that with ringing cheer. proot the wrong! Uphold the reer:And bring to all a Bright New Year
$\qquad$
With these, for all there'll ever be
A gate to Heaven from ev'ry land
to to Heaven from ev'ry be land !
To all "A Bright New Year

## Travelling Notes

Once more I am on the tramp, ac Australian this time by the tw they being familiarly recognia tween ourselves as the "Kangaroos,' myself as the "Beaver" Nell i placid, rather demure, and easily a good game long as she can have the evenings. Pills is or whist in cent : she enthuses delighe enterves everything of interest, and fairl bubbles over with merriment Both are liberal with their money, and say "Bother the expense, we'll havc balance this trait in them, counterbe very stingy, sometimes even mean which comes easy, being natural to me, so, very suitably, it falls to my the common senior member, to carry This purse is placing within it an equal sum all money, from which all tips, fees, be paid. travelling expenses are to a bad cold, and I am in bed with those two "Kangaroos" "ing that empty that purse. If they do Iot how. We left 3rd, for our "" Winter on December tinent." We began with the Confour days at Antwerp, which upon snow. This we found covered with light of Pills, who fairly great deit, this being almost her raved over duction to snow and ice. Nell liked it too, until it befell that Ny inked cautious step it brought her down in a somewhat undignified manner to
Antwerp is
carvinge and paintings. We wave devoted our attention particularly to the works of the Flemish school, and the beautiful paintings and to mee pieces of such well-known ment Reubens, Van Dyck, Teniers, Joerdans, Quinten, Matzys, and others reubens masterpiece, "The descen Cathedral, is magnificent, hangs in th and figure standing out so clearly and the expressions of each beling marvellously beautiful. The Cathe grand spire most delicately such and a lovely, soft peal of chimes From the Cathedral we went to the Church of St. Paul, which dates back a representation of Calvary in it is work, with scenes from the old and New Testament, all leading up finally to that of the Crucifixion itBelf. This is at a high elevation. Beneath it is the Sepulchre, with the
body of Ehrist within, and by its side a weird representation of Purgatory.
Antwerp, visited use of our time in
art galleries, as well as the Z , ological Gardens, which are said to Zothe finest in Europe. We shall soon be on the move again, as we are
gradually wending our way to ate "Sunny South." and there I expout we shall have not only interesting. ences, especially in connection with the difierences in language, money On one occasion we all three a tacked a forlorn Dutchman at with a query as to our whereabouts Nend in French, Eleanor in German, lessly looked at The man helpescaped lunatics and the were across the street, and out of sight as fast as he could go. Howiger, wels withe already got as far as Brusoughly enjoying all our are thor We are at ortable "P Pension," 64 a vue comleans, with the kindest of landis excellent. Next food and cooking to be in Germany, from we expect trust you may hoar again fromes nolitis.

## Domestic Economy.

Potash is effective in making rats and mice scarce about the house.
The drug should be left in places trequented by the pests. Camphor clothes closets, bureaus and cabinets.
Knit cotton underwear that is no longer fit for service as a warmth
preseryer is still useful for mop proserver and rags for washing paint, etc., in housecleaning time.
Some people need to be taught Chat a towel is a pioce of linen fo stead of a washrag to take off the dirt that has been loosened by water. Wash thoroughly with soap and rinse off before applying the towel, and the on the towel.

> F

In making bread, rub a little sweet lard or other fat over the top as
often as it is kneaded, and it will hot only rise more quickly, but have
Few American cooks realize the Falue of caramen-burnt sugar, burnt four or burnt onions-for meat and
regetable sauces.
Liaison au roux, vhetable sauces. Lishiso an au rour, is a useful adjunct in the store
closet. It is simply made. Melt a quarter of a cupful of butter in a caucepan and the two have been thoroughly mixed, let it stand where it will cool slowly until it is the color of mahogany. A little butter added to sugar caramel improves it.
To caramelize the sugar, put it in a saucepan over the fire and stir
constantly. It changes so as look first like flake tapioca, then barley sugar then like maple syrup
when caramelization has taken place
No water is necessar
Hot milk is a most nutritious beverage, a real luxury, the value of
which but few people know. Many who have an abundance of milk nerer rather as an eatable, for we
or and
orould eat milk instead of drinking should eat milk instead of drinkin
st-that is, take it in small sips
Bed Cor a
ormula given at the Boston Cook-
ing School, and they are now a
seasonable dessert. Select five or
six large, fair apples, which should
be cored and pared, and the surface
be cored and pared, and the surface
of each rubbed with a cut lemon.
Make a syrup of sugar, water and a
little lemon juice, in which cook the
little lemon juice, in which cook the
apples until tender, turning them
fiten. Remove and drain, boil the
syrup and pour over the apples.
When cold put on the top of each
apule a teaspoonful of meringue that
has been delicately browned, and a
spoonful of currant jelly, or rasp-
berry jelly or jam.
Fowl not very old will cook in an
hour and a half; but a tough one
may take two or three hours.
may take two or thre hours. A
turkey weighing ten pounds should
cook three hours and a half. The
cover of the saucepan should be
drawn a litule to one side, all
through the cooking, to allow the
escape of steam and
ders there are manv
simple remedies which everyone should
onor. Of these hot water covers the
largest field ; it has long been used
utwardly to allay pain; but
omething new to most people
up before breakfast has a splendid
frect on the entire system, and will
tc The proper use of lemons will
also relieve many ills, and tomatoes.
nions and other vegetab
eet medicinal properties.
ably one of the safest and most universal of home remedies. It is ex-
cellent for a cold in the head, cellent for a cold in the head,
catarrh,
sore
sore
throat,
weak
eyes burns, and many other disorders to a very noted oculist, and after a day spent in his office and four or five examinations, he ordered that the eyes be bathed in tepid borax
water.-[Homestead.

$$
\text { Simule } 9
$$

A Simple Remedy for Chapped Hand Get some nice white mutton suet, in a dish of hot water on the stowe Let it stay until it melts, then strain through cheese-cloth into wet and put them in, turn the balls out the mice cannot get at them. They will be found invaluable during the cold winter months for chapped hands and cracked lips; quite as good as most of the cold creams sold in
the drug stores at twenty-five cents a box.

Salary was Too Large for An adverticement in a newspaper calling for a "First-class Bookkeeper following answer, the only one attracted by the munificent salary " I am a young man, thirty-seven years of age, having had a business experience of twenty-three years, be ing connected with the United States Embassy at Madagascar, and feel 1 can prove my worth to you. I am not only an expert bookkeeper, proexcellent operator and erudite college graduate, but have several other accomplishments which inight make me desirable. I am an experienced
snow-shoveler, a first-class peanut roaster, have some knowledge of removing superfluous hair and clipping citing "Curfew Bell Shall Not Ring to-night, am a shiliul chiropodist take care of horses, crease trousers,
open oysters and repair umbrellas, Being possessed of great physical beauty, I would not only be useful, but would be ornamental as well,
lending to the sacred precincts of your office that delightful charm that
a Satsuma vase or stuffed billy-goat would. As to salary, I would feel
that I was robbing the widow and or phan if 1 was to take advantage and 1 would be entirely willing th
give you my services for less, and
hy aciepting $\$ 1.37$ fer week would
$\square$ church, pay your butcher and keep
up your life insurance, but also to
found a home for indigent flypaper cat home." scriptions have relieved your in-
sommia," sald the emment practitioner, because that makes $1 t$ nece
sary for us to try a heroic remed
but it is one that has never bee
known to fail." ". What is it, "octor? asked the
sleeple-s one cagerly.
". Ifress yoursmf in in a police-


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of our Savings Department are not confined to residents of large or small accounts of parsons residing any where. Our book, your address.
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hree miles from that city, on Feb. 17 t.
Mr. Hanmer holds a prominent pla
one front rank as an importer an
breeder of hithtclass Shropshires, and

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at ther condition
if this country and
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TRADE TOPIC

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JINUARY 21, 1904
QUESTIONS AND ANSWERS. VETERINARY.
diblocation of the patella. Colt became stifled in the stall. The
patella snapped into position on :noving him torward. Since then ho has been ofl
right, but stifo seems weak at timme

 probable he will tive nio further croully
pres
and will and will be as strong as if the accident
had never occurred. RINGWORM. 1. My calves have an itch on their
legs and neck and around the eyes.
2. What will take down swelling fom a. What will take down swelling from

Nanal. Sorten tho teab or soat ob

 morning. Have druggist put this up in
single doses or powders. Also rub udder
with compound iodine. daily after tathing with warm water. heifer with lump on leg, etc.




 until healed. Explore the others, too,
and if they contain matter treat in the
same way.
 Surn would mate ne minte asiv, Lut


A Kidney Sufferer Fourteen Years.

TERRIBLE PAINS ACROSS
THE BACK.
Could not Sit or Stand with Ease. Consulted Five Different Doctors.

## Doan's <br> Kidney Pills <br> FINALLY MADE COMPLETE CURE

Mr. Jacob Jamieson, Jamieson Bros.,
the well-known Contractors the well-known Contractors and Builders,
Welland, Ont., tells of how he was cured: "For fourteen years I was afflicted with kidney trouble which increased in severity
the last five years. My most serious attact was four years ago, when I was completely my back, floating specks before my eyes and was in almost constant torment. I
could not sit or stand with ease and was a wreck in health, having no appetite and from five different doctors and alse numerous other preparations to no pur.
pose. I finally began to take Doan's boxes the trouble left setter than I have for twenty years. Those and know me know how I was afficted hat I have been cured yet the believe so. I have passed the meridian of lifo but I feel that I I have taken on the rosy Price 50 cts per box, or 3 for $\$ 1.25$, all TIIB DOAN KIDNEY PILL CO.,

## "To Err is Human"Not to Err-Elgin.

The man who is always right on time is the man who carries the

## ELGIN WATCH

Every Elgin Watch is fully guaranteed. All jewelers have Elgin Watches free upon request to

Eloim Natiomal watch co., eloim, lle.

MARE wITR ITCHY LLEGS.
Clydesdale mare, three years old, ha
itchy and swollen hind legs. She bite
and irritates them. Her hair is roug
and
and dry. She is probably in foal.
Ans.-Some heavy drafters, especiall hose with beefy legs, are predisposed to foal, give her a purgative of 9 drat in aloes, 2 drachms ginger. But if she be in foal do not purge. In either case,
give $1 \ddagger$ ounces
Fowler's arsenic night and morning for a week, then stop for a week, and repeat, etc. Wash her legs thoroughly with a solution
of corrosive sublimate, of corrosive sublimate, 1 drachm to a
gallon of water, every second day, and rub with cloths until thoroughy any dry
Give her regular exercise of 6 to
miles daily, and miles daily, and feed little grain
bran and a few carrots.
UNTHRIFTY BUIT
Society has a bull, two years old
January. He commenced the season

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| wid |
| $w_{i}$ |}



## $\overbrace{\text { in }}^{\text {ind }}$

## Cu

$\qquad$


[^0]Horse is sore in front after getting up.
The stimess disappears on exerciso. He The stirness disappears on exercise. Ho Ho
stumbes frequently, and lies a $a$ great
deal.


and blister with two drachms each of,
biniodide of mercury and cantharides, mixed with two ounces vaseline. Rub
the blister well in. TTie him cannot bite the parts. In twenty-fcur
hours, rub well again wit the blister
and in twenty-four hours tonger, wash off and in twenty-four hours longer, wash orf
and apply sweet oil. Let him loose in
the stal day until the scab comes ofis then tie up




a case, it would into the hands of your veterinarian. If details of treatment, as we have dill kive several occasions in these columns.

## miscellaneous.

 son wanting wages.A boy works at home with his father
until he is nearly thirty In the absence of any agreement, can
he collect wages from his father after he s twenty-one years of age? ?
Ont. holidays.
Please inform me is a man hired by the holidays; and please mention on the public
holidays?
SUBSCRIBER

Ans.-1. Yes. 2. New Year's Day, Good Friday, Easter Monday, Viotoria
Day, Dominion Day, Labor Day, ThanksCREEK BED OBSTRUCTED
A creek flows through my farm. The
watercress growing in the bed of this has become so thick that it. stops the any way of getting rid of this pest?

Ans.-Watercress grows best in wate hat is just moving enough to prevent it croek-bed werg tagnt. 1 I , therefore, the and all possible fall given the straight, would be about all one could do to prevent watercress growing. In cleaning
out the bottom, the roots of the watan out the bottom, the roots of the water-
cress would be removed, thus checking growth for some time. bean production
Have you any book on Bean-raising, or
is any such published? Will a ld pasture, plowed in the fall, and of the spring disk harrowed $a^{\text {a }}$ couple of times and fet rest for a couple of weelks
then harrowed with a shari toothed harrow twice with a sharp toothed
with rolled, then seeded with beans, and rolled again, be a suitable preparation for a good bean crop?
Can beans be successfully growin with corn in the same hill. Ans.-A valuable book on the cill vation of all kinds of vegetables is is one of the most reliable by Green. It subjects of this kind, and authorities on siderable space to bean-growing con dered through this journal, the price is damp, If the land not too low and danv,
giving it makes a treatment you propose should produce a good crop of beans. Where land is plentiful, it would never pay to grow beans in the corn crop, as
the corn would shade it -unduly the corn would shade it unduly, and a
very indifferent crop of beans would a

UNTHRIFTY PIGS
My pigs are not thriving as they same pen. One lot of six did finely, and keening as clean and white as could
be, while the other lot of eight seemed to thrive, but their skin got reddish and looked dirty, and a sort of gummy sweat came out on them. Now I have
ten more little fellows in same pen second lot. They are going same as lot No. 2. The pigs are not all samected, some of them are quite gummy on the back and quite a fever in the skin, and white and clean as should be. not as two pure-bred Berkshires in same pen that do not seem to be affected. The affected ones are pure-bred. Chester
Whites. Is there anything in the breed, or color of the pigs, that would account for this difference? They are fed on separator milk and barley and oatmeal, from the kitcheng feed. Will you please not think it th do. di. C. S. Ans.- The unthrifty pigs are probably
affected by indigestion. It may be that too sloppy feed is being given. We would try giving the meal ration dry trough by itself, and add hot wwath, in a
take off the chill take off the chill. To cleanse water the skin,
use Zenoleum or other of the proprietary
sheep dips advertised.

QUESTIONS and ANSWERS. MISCELLANEOUS.
WETGHT of Hoas.
Is there a rule for ascertaining the
dressed weight of hog by measurement? SUBSCRIBER. Ans.-No reliable rule, bus when dressed hog will be about 74 per cent. of its live
weight, and of a fat hog, about 84 per barn ornamients.
Can you inform me of any party or
company that supplies órnaments, such top of large barns?
Glengarry
Ans.-They are frequently made of gal-
vanized iron by a tinsmith, and are put vanized iron by a tinsmith, and are put up so they will turn freely with the
wind.
Can some reader supply more wind. Can some
definite information?
dOES SLLAGE HURT STEERS? Have you seen or heard of any evi effects hy leeding ensilage to steers that
are intended to be finshed on the grass?
I have heard that cattle fed on ensilage have heard that cattle fed on ensilage
don't do as well as those fed roots and
 like to hear
Huron Co.
P. S.-We have taken the "Farmer's more, and it is just as highly prized a oer, and just as welcome a nistor. F. of any ill effects. Will readers who briefly the result of their experience? 1. Is alfalfa sod hard to break up
atter being seeded some years? I have been told
2. We he
our neighborhood. If I send you the pedigree number
ise which is the best milking strain? 3. What causes the hair of young hork
shire pigs to turn curly? I have forty quite a few of them are curly-they a
in good order, better, in fact, than th ones that are not curly. SUBSCRIBER. Ans.-1. We have never noticed nor
heard of alfalfa sod being especially har to plow.
2. No.
3. We cannot account for this. Some
families or strains families or strains are curly haired. The
straight, fine-haired pig is usually most thrifty. stable floor.
I have a frame stable
which I propose to house
cow and some hogs (partitioned on
on one side) for the purpose of economy
I wish to floor the stable with
and thus save all the liquids from th The hogs are t.
anime a run outside. The manure tank
had better be outside, no doubt, and the rain water trom the ront so dilute the con
conducted to it. and
tents. Given these particulars, what the best and cheapest arrangenient
drains to catch and conduct the liquids Will a groove in the concrete be a suff
cient and sanitary arrangement to con
duct the liquid out of doors; or shoul drains be laid just under the floor? I
laying plank for horses and cow t stand upon, what distance from
manger to gutter, respectively, should b manger
allowed,
planks?

## planks?

## Yale

Ans.-T
troubleso

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THE FARMERS ADVOCATE
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The Greatest Importing and Breeding Establishment in the World.


Percherons, Belgians, French Coachers. CREATEST COLLECTION EVER COT TOCETHER NOW ON HAND.

 DUNHAM, FLETCHER \& COLEMAN, wayno, pu pase

Imp,Clydesdales 鄁Shorthorns


## ALEX, GALBRAITH \& SON BRANDON, MAN.

have on hand a magnificent collection o CLYDESDALES

SUFFOLKS and PERCHERONS, with a few choice HACKNEYS and GERMAN COACHERS
Prizewinners st the Royal shoow, the Highland Show, and the Interna-
 pputation." Catalogue for 1904 Mow ready. Address
JAMES SMITH, Manager, Brandon, Man.
Clyoesalles saie Rerid Ribbir mid
 $\pm=$
30
IMPORTED STALLIONS 2vaw O. SORBY, GUELPH, ONT.


Shire Horses

boats on the st. Lawrence. Could you tell me some boat companies River where one could apply for a position for the coming season?
SUBSCRIBER Ans.-Write Robert Bickerdike \& five-stock Exchange, Montreal, who scottish sod plows
Having read of the fame of Scotch-
ron sod plows, would you kindly ron sod plows, would you kindly give
me the address of two or three manu-
iacturers in Scotland? facturers in Scotland ? A. B. B.
King's Co Ans.-Manufacturers advertising in the
Scottish Farmer are John Wallace \&
Sots Graham Scotish Farmer are John Wallace \&
Sons, Graham Square, Glasgow, and P. \& R. Fleming, 16 Graham Squa

## Election of school trustees

 1. Have farmers' sons2. Is a school trustee elected by the votes of people who had no vote legal ?
Perth Co Ont Ans.-1. Yes, provided they are of full-
ge, supporters of the public school in the section, and their names appear on
the lest revised assessment roll. 2. Yes; that is to say, the election will
stand unless objections to the votes
vere taken at Were taken at the proper time, and com-
plaint made in writing to the inspector plaint made in writing to the inspecto
within twenty days after the election. curing tobacco.
I have a lot of tobacco and would like you tell me how to cure it, and manu-
facture it into the smoking and chewing
$\qquad$ Ans.-It the crop has been well cured,
the Lest thing to do now is to send a sample to the Empire Tobacco Co.,
Montreal, and ask them to quote prices on it. If it has not had proper treat-
ment since harvesting, it is doubtful if ment since harvesting, it is doubtful it
it can now be used for manufacturing purposes. However, send a sample to
the above company, and if they cannot
use it, they will prothably suggest a use it, they will probably suggest a
method of utilizing it.
Canadian$\left[\begin{array}{l}\text { grown tobacco is used altogether for } \\ \text { chewing purposes, and cannot }\end{array}\right.$ chewing purposes, and cannot be satis-
factorily manufactured by inexperienced persons. PURCHASE OF COW.
$\qquad$ the enclosed sheet with the under-
standing that she was in calf; but she standing that she was in calf; but she
came is season in three days after he to het home, and he has days after he
tot been able
any damage? If yet. Can he claim
should he take? he can, what action breeder a a yet, wanting to know what he the breeder not do, before he went
$\qquad$ scinded the contrat probably have he acte
promptly by notifying the vendor, and this date, and in view of the course tre was understood to be, it is ex-
tremely doubtful whether he is in a
position to rescind and obtain a return
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ taking legal proceedings in any way, the
purchaser ought to make an earnest
effort to arrange the matter amicably

JANUARY 21, 1904
QUESTIONS AND ANSWERS MISOELLINEOUS pasture and forage for hogs. I want to arrange a hog pasture
about thirty hogs, and would like have a part oo it it, at wat leould like ready
turn the hogs on as early in the sum mer of 1904 as possible. 1. Would it be the better plan to sow
it all to rape, part of it early in the
spring for early summer te rest of it larter for fall pasture, or would some other forage pant pastare, or woul
be ready for pasture earlies vetches be ready for pasture earlier than the
rape? 2. How early may the rape be sown to
advantage, and when should it be ready
for pasture and 3. How large should the pasture?
3. oe to accommodate thirty pasture fie 4. I have an old orchard, which produces nearly avorry year a a heavy ch pro
 Would it be an aood plan to it plant food. 5. How turn the hogen on it sow it with
s. Heed is required the acre, and is it better sown in drills
or broadcast 6. What grain ration would be the
best to teed pips on such pasture to pro-
duce the best results mi. Do you consider middlings and skim
mik a good food ration for weanting
pigs, or would the addition of a little pigs, or would the addition of a hittle
oats and barley be an impovement
SUBSCRIBER. Ans.-As a succession of crops.
Sunted to extend over the entire seasen several different varieties would season, give
beter resuls than one inuividual class,
even then



GeO. Sterrart Howiolx, $P$. $Q$. In ported Clydesideles just landed. Five
 4 miles east of Uxbridge station, on the $G$. T. R

OR $\boldsymbol{s}$ AL
Seven Imported Clydesdale Fillies,


 THE KINDERGARTEN STUD FARM, GUELP JAMES HURLITY, Proprietor.
Broder of Thoroughbred boren

Clvdesdales and
Hacknevs ${ }^{\text {For }}$ Hour young Clydesdale and 2 Hackney stal


FOR SALE: Trres imported Cydeedale


 ROSEDALE STOCK FARM | $\substack{\text {. M. M. Gard } \\ \text { house, Pro }}$ |
| :---: |






## g Deaturitheevis



USED FOURTEEN years with GOOD RESULTS. 221 E, 164 st , New York, Sept. 8,1902



 | B. F.FRISBIE, |
| :--- |
| nedy for Sparing |



Dr. в. J. кemorll co., enosburg falls, vt.

the short passage 8 ft. wide, and also
the end of the passage 10 ft. wide. Such
a plan would be convenient and simple. If possible, do not build into and simple. on all sides. On the front side windows stable there would be at least three
doors, with fanlights at top, and as many windows. At each end there might two feet, and, on the back, as many as
black muck as manure Kindly inform me through your paper
he value of black muck as manure, and
he解 best way of using it ? If it would no wintor, and let the cattlo tramp it direct to the hyord amurey or to tako Wo would have about hatir a milo to
naul it , our farm needa manne it sandy loam. Would it pay us to Jandle the muck ? W. Ans.-Muck consists of partly decayed
egetable matter mixed with vegetable matter mixed with clay and
sand. It varies widely in cemposition, and is principally a nitrogenous manure,

Nitrogen may form from one-half to two per cent. of the dry matter of the muck usually potash and phosphoric acid are | in ordinarily good scills. |
| :--- |
| The nitrogen | however, is in an unavailable condition, dition must be brought into a soluble conand allowing fermentation with the soil there, or by making compost heaps, mix-

ing it with wood ashes, lime, farm manure, etc., thus promoting fermentaat if applied to the soil in the inert of the year it may have an injurious effect. If applied in the raw condition,
it should be done in the fall sol allow winter frosts to mellow it before it oo worked into the soil. It is impossible muck half a mile willo pay to draw the
amount of fertilizing amount of fertilizing ingredi
peculiar substance contains.

HOLSTEIN REGISTERS Kindly let me know, through your
paper, the difference between the Amer ican and Canadian Herdbook of Holsteins.
Is the Canadian book considered is the Canadian book considered as good
as the American? Ans.-So far as we can judge from the relating to registration, there is no looks negistry in either and as to be eligible to
regtanda registry in either animals must be im-
ported or trace to known imported and
register PIGGERY PLANS
Some time ago I saw a plan of a pig-
pen, the pigs sleeping one lot above the other. I would like to know if any-
one ever tried it, and if it is a plan.
Ans.-Such a plan has been used, success of it largely depending upon the
degree of cleanliness in which the degree of cleanliness in which the piga
are kept. It is a very unsanitary plan,
as the under compartment as the under compartment is invariably
dark and hard to keep fresh and clean Such a plan as published in our Jan.
7th issue is much more satisfactory Note the arrangements for admitting
light on the north side, and the bottom under the raised sleeping apart
ments. ments.
stable plan.
Please publish a plan for stabling
under a barn 36 ft . wide by suitable a barn 36 ft. wide by 64 ft . long,
sold 20 cows, 4 horses, a with stall and a place to store roots
wumber of windows required to give plenty of light. SUBSCRIBER. Ans.-By leaving out the feed-room and
two boxes $14 \times 20$ in the plan published our December 1st issue, a good ar secured. This plan $40 \times 64$ barn : would be such a barn would necessarily to 36 ft . The aphes to ing, and under these a root-house could With these changes, the door on one side ade of the stable at the end of the passge, behind the short row of cattle talls, would be closed. This would alof the feed-roon being located where
Lox $6 \times 6$ now stands, and would inclut yries \& Shires Shorthorns \& Yorkshires
 Clyyes by usch ingires as Hogsi Prince of Darruchan
Prince Stephen, Prince Thomas and Royal Prince Stephen, Prince Thomas and Royan
Chanpiono.
Write for prices, or come and see GEO. ISAAC,
Thorncliffe Clydesdales



## ROBERT DAVIES

 36 Toronto Street, ToRoilto. BAWDEN \& MeDONELLExeter, Ont.
Clydestala,
Shirre and HacknoyHorsos

 CLYDESDALE MARES Registored mares, from three yoars old and
upwards, for gale NELSON WAEE

## TRUUMIIIS PIONEER STUD FARIII



BUSHNELL (McDonough Co.), ILL. mporters And brevo krs or SHIRE, PERCHERON, SUFFOLK,
BELGIAN, HACKNEY STALLIONS







J. G. TRUMAAM, Mgr., Bushnell, MeVonough CO., Illinois.

Perchereon, Shirira and Hactroy Stallions and Mares



 corraspongexicini
IEW W, COCHRAN,
607 West Main St., Crawforisillie, IMD.

## 20-CLIYDESDALES-20

We now offer for sale 20 head of Clydesdales, including fillies and mares, from one to five years old, and amony them a number of cattle. People wanting to buy should come and see them before purchasing. Inspection invited.

## MODGKINSON \& TISDAIE, Beomertonn inet

## IMPORTED CLYDESDALES

I have just returned from Scotland with a fine lot of
Clydesdalestallions of great breedingand individuality
They are indeed a fine lot, and just the kind the coun-
try needs. Write for prices and description, or, better
still, come and see and be convinced of what I say.
WM. COLQUHOUN, om STATCHELLENT. P. M. AND ONT

| QUESTIONS AND ANSWERS. MISGELLANEOUB.
qUantity of butter from mme. How many pounds of butter can be made from 4,386 pounds of mils, test ing 3.8 per cent. fat
stbiscriber. Ans.-Four thousand three hundred and eighty-six pounds of milk, testing 3.8 would vield 166.66 pounds of fat, but butter-fat comprises only 84 per cent. of butter, therefcre 198.41 pounds of butter could be made from the 166.66 pounds of tat.
things removable.

1. When a farm has been sold, what posts that were in a fence, but fence was removed, and rails and posts piled in small piles for two years? Can they be removed off farm?
2. Can st
moved off?

Ans.-1 and 2. If the agreement be tween the parties does not provide to question and the stones may all be removed. L
NOTICE OF DISMISSAL
If a man is hired by the year, how
Icng notice of dismissal should he get ? SUBSCRIBER?. Ans. - In the absence of provision upon
the point in the contract between the the point in the contract between the
parties, the man-assuming him to be a
" "farm hand"-is entitled to reasonable
notice expiring at the end of scme year notice expiring at the end of scme year
of the service. What would be reasonof the service. What would be reason-
able notice depends upon the circumable notice depends upon the circum-
stances of the case, but if there be stances of the case, but if there be
nothing unusual in such circumstances,
and no usage or custom of the neighborand no usage or custom of the neighbor-
hocd to the contrary, three months notice would probably be held reasonable, In domestic service a months' warning, or a months' wages in lieu thereof, is
usual.
cows failing to breed.
We have two registered Shorthorn
heifers, four and five years old that fail heifers, four and five years old, that fail
to breed. They come in heat regularly seem to be all right in every way, and younger heifer dropped a calf at two years old, and has failed to breed since. Can anything be done to induce them
to breed? Ans.-The only suggestions we C. H. Ans.- The only suggestions we can offer
are to try a change of bulls, or an examination by a veterinarian to or an extain
if the neck of the womb is closed, which examination should be made when the
cow is in season: service being after opening, which is done by a rota-
tory motion with the finger. The appli-
cation of balladonna cation of belladonna ointment to the
part is said to facilitate the relaxation
tanning doces skin.
Could you please give me a good
recipe for tanning a dog's hide so as to have the hair left on and the hide
pliable? W. A. H.
Ans.-The best possible way to secure a good job on a skin of any kind would
be to send it to a tannery, where there
is every is every facility for doing the work.
The cost would probably not exceed one dollar. If it is decided to do the tan-
ning at home soak well in soft for about two or three days to make it
for ant
perfectly soft; then scrape off all flesh pand fat. When thoroughly cleaned, put
the skin into a tan composed of equal parts alum and salt dissolved in hat
water, seven pounds of alum and salt to twelve pounds water, or in these pro-
pertions. The skin can be left in the brine for two days, after which it should be hung up and well scraped or shaved
to soften it up. After shaving wedl put the hide back into the hrine for a day
or two. Then hang up until quite dry and shave or scrape again. After this
apply a coat of oil. sawdust and lay away until dry. Apply again in sawdust. As scraping is the
main operation ir softening the skin, it should be well wirked again when dry.
Two men drawing, the skin. back and
forth over a round pole will impart a orth over a round pole will impart a

Aberdeon-Angus Bulls For meat on ononyor.old two bill - Whares Easz, Tomlingon, ont.

High Park Stock Farin Gallomay Catitlo.
 Shaw \& Maraton, P. . . . Noo 901, Brantford, Ont HIGH-CLLASSHEREFOROS We have for rale the following oholoe young
wtook, which have been bred from lmported atook Intending buyers will do well to in-
 Rook oockerels. Correspondence invited. om
A. S. HUNTER, Durham, Ont. THE SUNNYSIDE MEREFORDS



INGLESIDE HEREFOROS 100 Meat.

 means sucoses, and here is whoro you con got H. D. SMITH. COMPTON, QUE. THE MAPLEE FARM MEREFORDS




CHAS, RANKIII, WYEBRIDGE, OMT.
SHORTHORN CATTI E

SHORTHORN CATTLE and
OXFORD DOWN SHEEP.

- Hiord headed by Pride of Boothand (limp.).

FOREBTHILLESTOOK FARM. NaH:SHORTHORNS




Sliortiorins, Bortsolitres and Lalcestiors.


SHORTHORNS Fiํ




 FLETCHER'S SHORTHORNS





SHORTHORNS for sala Imponted AND

 GUARANTEGE A 8.00 PAOEAGE OF BARREN KOW OURE poutpaid, to make any cow under 10 years old broed,
or ratund mooney. Notrouble, no riale. Given in food
twioe i dayo P. Solleck Drugster ror


Dr. J. L. Scott's Condensed Dietetio Stock Food is doing wonders wherever it hat been tested. and
all who have fod it are naaimous in its praise.
The ouestion of feeding to the up-to-date farrep The question of feeding to the up-to-date faramer
is one of vita imporatuce, and wheher you de
ine to is one of vital imporiance, and whether you de
sire to produce flesh in horses or oattle, or the
hard, fro bacon so much in demand, nothing is
erde to Scott's Stock Food
 towels liver and kidneys, aids in assimulation of
food, and by its tonio effoct increases strength and
vigor vigor. This medicated food contains the purest and best tonic ingredients known to veterina
scienneo We aimmogive valuo-one pound of our
compound equals ten pounds of ordinary stoc compound equals ter pounds of ordinary stoc

Dr J. Beaver Dam, Wisconsin, June 3rd ${ }^{2} 903$. Dr. J. L. Soott, Londion, Ont:
Dearsir. Allow metorolunter an endorsement
of your Condensed Dietetio Stock Compound. After horses and ceatlie for years can be attributed more to your stock Compound than any one
hhiog. Ihave hardiy lost an animal, exoept by oantributory negligence sinoe you incuced thiog. I have hardily lost an animal, except by contributory negrigenco, die. We though
me to use the compond. One of my brood sows was left in the yard to die.




Put up in pails, 25 lbs., $\$ 2.50$, or $\$ 1$ and 50c. packages.
DRS. SCOTT \& TAMLIN,
Veterinary Surgeons, LONDON, ONT.

GOSSIP.
Mr. W. Doherty, Clinton, Ont., writ Flower bull, Crimson Prince. One i it. I have still ond Advocate did Matchless bull, for sale. He is looking fine

Lawyer-What was the thing that led to your financial downfall ? Co doing a good business.
Bankrupt-I was, but one day I started money. I found it so easy that I kep One evening the recent culd snap wa under discussion, when one old gentle
man predicted a January thaw. A by man predicted a sugnanary there might noi Le a thaw this year, an idea the of gentleman scouted vehemently.
" 1 've never known it to fail," he said have remarked the January thaw," an growing emphatic he concluded, '" I've seen thousands of them.

Several men were recently discussing
the merits of the great men the world
has produced, each saying that his hero

SHORTHORNS AND RERKEHIRES Shorthoros.-We have for sale several excellen
young oulls, ready tor servioe, that will mate show animals, also cows and young bred heifers. Berla-
shliro. Younk bors and sows of rere breding shire- Youne boars and sows of rare breding
and individuality, for eale at all times Write no
your wante. We can supply ou. F. WAARTINyour wants, we can supply you. F. MABTIN
DALJE BON, Caledonia Sta.,Yorla, Ont.
J. WATT \& SON
 eenr; also three two-y ear-old heilers, by Royal
Vietor rand Valase 40 , bred to Royal Archer (imp) or Prioe Louic (imp.) Our stock show excollen aulity and individuality. Young Berkshire boarb
nd gites, rich in the boon of the great sweepstakee Baron Lee 4th. Write for deeoription and prices. SHORTHORN BULLS FOR SALE. Some ready for service, young, and bred from
imported and Canadian stock ;also a number of
heifere and cows
 8mithville 1.0 , and station, ont. o
GIRANIVIEW SHORTHORNS. GRANIDVILEW SHOMRTHOKNS
For sale: One bull by Barrm's Heir (imp.
pe85il) also a few females. Herd headed

 Herd oomprices Augusta, Polyanthus, Crim-



16 Shorthorn Bulls

## FOR SALE

Bred in the herd that produced Topsman nd Moneyfuffel Lad; sweepstakes winner tanl-y junior champion over all beef breed and heading three first-prize herds at Worid Fair, Chicago.
Yonge St. Trolley Cars from Union Station J, \& W, RUSS「LL, Richmond Hill Spring Grove Stock Farm Shorthorn Cattle and LIncolia Sheep.

cossip.
Mr. W. S. Carpenter, Simcoe, Ont.,
importer and breeder of
Shropshire importer and breeder of Shropshire
sheep, writes:
I 1 received a letter from, one of your subscribers at St. Catherines, asking price on yearling ewes.
The gentleman forgot to sign his name. Would you kindly mention this fact, as he may think it strange not hearing from me. I do not wish to injure my
reputation as a husiness man, whion the eputation as a husiness inan, whon the
blame rests elsewhere. I am vory paricular in givi
ing customers.

Uncle Eph'm had put on a clean collar and his best coat, and was walking
majestically up and down the street. majestically up and down the street.
. Aren't you working to-day; uncle?
asked one of his Caucasian acquaintance aske one suh. I'se celebratin' my golden
"Noddin', suh."
day "Yes, suh.".
"Well, why isn't your wife helping you
" Well, why isn't your wife helping you
to celebrate it ?"."
" My present wife, suh," replied Uncle
"My present wife, suh,"' replied Uncle
Eph'm, with dignity, "ain't got nothin'
to do with it. She's de 'leventh."
Canisteo, N. Y., Oct. 31, 1902.
Dr. S. A. Tuttle :
Dear Sir,-The box of Elixir shipped
me to Olean last summer, together with
worm medicine and powders, reached me
O. K. We used the Elixir as a body
wash on all our horses. We raced John
Durrett nearly every week from July 1 st
until October 1st. In that time he
und
took no cold or a sore step. We also
cured a case of colic in five minutes. The
family Elixir we did nct get a chance to
try, as it was stolen. Will send an
order soon for another dozen, also some
condition powders. I believe your medi-
cine the best all around thing on the
market. Yours truly,
Trainer for J. S. \& P. P. L. Coonley
Mr. John McFarlane, Dutton, Ont.,
breeder of up-to-date Shorthorns, Oxford
sheep and Berkshire pigs, is quite en-
sheep and Berkshire pigs, is quite en-
thusiastic about Shorthorns. He has
about twenty head, mostly females, bred
to the spicy, red, two-year-old bull,
Poyal ,
Royal Prince $=45223=$ (imp.). bred by
Mr. Geo. Campell, Harthill, Aberdeen-
Mr. Geo. Campbell, Harthin, Aberdeen-
shire. He is a legthy, smooth bull,
weighing 1.750 lbs. in working condition.
Weighing 1, also several imported females
There are
in this herd of good quality and
fashionable breeding. Among them is
fashionable breeding. Among them is
Lady Bess (imp.). her sire being the
noted Royal winning bull, Abbotsford
2nd. The bull calf, Abbotsford (imp.),
is sired by Fvening Star
is sired by Evening Star 78828, which
bull has four champion cups to his
bull has four champion cups to his
credit, which he won in Scotland. This
young bull should do someone good
service, and give good returns. Another
imported cow, Tidy Lass, by Morello
imported cow, Tidy Lass, by Morello,
has a fine heifer calf by her side, sired
by Prince of Archers 71260 T. Tidy Lass
is an Alexandria, bred by Marr. Camelia
is an Alexandria, bred by Marr. Cameli
Blossom (innp.), of the Orange Blosso
family, bred by Nr
family, bred by Mr. Jas. Durno, is a
strong, vigorous heifer that should give
a good account of herself. There are
several others well worthy of special
mention; suffice to say, when you find
Scotch wlood in the
breeding in the cattle, advancement is
the watchword. The thirty-five breeding
the watchword. The thirty-five breeding
Oxfords are also richly bred. They are
mostly sired by Kemptsford Hero (imp.)
and Hobbs ram. The Improved Berk-
and
shire has also got a start on this farm.
A strong, lengthy, smooth hoar of good
quality heads the herd, and, should make
his presence felt in the neightorhood, not



$\qquad$

$\qquad$


Keep Up Vigor and Avoid Disease.

It is the Run-down, Thin-blooded person Wh

Low vitality invites colds, fevers and contagious disease.
When you hear a person say that he takes cold easily depend on it his genHis blood is thin and watery, his nerves are more or less exhausted, and his vigor is at low ebb.
It is to such persons that Dr. Chase's Nerve Food appeals most strongly. storative and reconstructionses re which are not to be found in any other preparation.
In this regard it is different to any medicine you ever used. Instead of up and gives to the body the vigor which is required to throw off disease. You are invited to test Dr. Chase's Nerve Food by keeping a record of your
increase in weight while using it. Gradwally and certainly the wasting process is overccme, and week by week new, firm fesh and muscle is added. Mr. Matthew White, a retired farmer Ont., states :-" For some years I have suffered more or less from indigestion and nervous dyspepsia, and as a result I have been subject to dizzy spells an Dr. Chase's Nerve Food and found tha it improved my digestion, steadied my nerves and made me rest and sleep very
much better. I can truthfully recommend the Nerve Fond to any
suffer from the above ailments
Dr. Chase's Nerve Food, 50 cents or Edmanson, Rates a To protect you against imitations, the portrait and signature of Dr. A. w. SHORTHORNS

 h. K. FAirbairn, Thadtor P.O., Telegraph and G.T.R station SHORTHORNS
 lines, and are of the uptodate hid
EEDIMND BROS.. InImbook Sta. and P. O
Shorthorn Gattle, Lincoln Sheep


J. T. OIBEON. om DENFIELD. ONT

MAPLE LODGE STOCK FARM, 1854
Shorthorn BuInsand Heifers
Leicesters
Choion ewes oot by imported "Stanle", and bred to
Coported "W Wincheeter." E, cellent type and quality om A. W. smith, MAPLE LODQE, ONt JERSEYS 60 FIRST PRIZES IN 1803. The Brampton Jersey Herd was exhibited at six
nirs in in 1903, including Toronto, Winnipeg, Londo



 JERSEYS

[^1]> Messrs. Smith \& Richardson, of
Columbus, Ontario, recently shipped from Liverpool ten well-bred Clydesdales pur chased from Mr. P. Crawford and Messrs, chased from the former was the well11434 Hhawatha stallion, Michaboe owned by Mr, M. Marshall, stood re
own serve for the Glascow three-year-old prize. The other horses purchased from sons crawford included two very useful Johnstone, while came from Messrs. Montgomery was an exceptionally good Baron's Pride horse, fall brother to Mr. St. Olair CunningIn one of Glasgow's finely laid out cemeteries, a rich citizen, who was no torious as a skeptic, had erected a massive mausoleum on what he termed A his ancestral plot." One day he met from the vicinity of the imposing mass of masonry, so he said to him:
"' Weel, Dauvit, ye've been up seein "Weel, Dauvit, ye've been up seein
that gran. erection o' mine? ". "" Deed, hiv' I, sir." tak' a mann $a^{\prime}$ his time tae raise out o yon at the day o judgment." " " Hoovid, " y
" ma mon," said David can gie yerself little fash aboot risin gin that day comes. They'll tak' A - A dog fight in which brain counted
more than brute strength was illustrated to a group of Cornell professors, recently who, while returning from skating on Beebe Lake, witnessed a tragic battle between years the valuable bull terrier owned by Dr. Luzerne Coville has held the championship. But one bitter enemy had he
in the collie owned by Professor $W$. $F$ F Durand, head of Sibley College. Several times they had met, and as many times the pet of the engineering college had One day last week they met for the last time.
whipped, when realized, when of a sudden it seemed to opportunity and ran to edge of Fall Creek Gorge, only a few
feet away. The professors, reet away. The professors, who had
tried to part the animals, dared not approach the dangerous spot, but the
bull terrier followed, and in a moment he two were fighting on the edge of the
high precipice. Getting on the safe side, the "foxy " collie, inch by inch, ts death the bull terrier, 100 feet to look, it rejoined its master. TORONTO PRIZE LIST FOR SHORTLarge and literal as were the prizes for last year, a still more attract he Dominion Shorthorn Association furnishing $\$ 1,500$ of the amount of the
prize list, and the Industrial Exhibition Association the halance. Last year,
although the show was dignified by the
$\qquad$
$\qquad$ three years and over, will be $\$ 75$ for
irst, $\$ 50$ for second, $\$ 30$ for third and
$\$ 20$ year-old cows has been dropped, and the
ow class reads: Cow, three years old
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shiropghiries for bales,



## It is often cossip.

 customed traveller can that an unac
 to Oleagow.
Noverer having been in a raliroad ata-
 doterm nut ho saw a lady gotog in and
dot onow her loed.


## 

Her ticket was duly handod to her,
and sho walleo away. Pat promptly planked down his money
and send : " Patrick Murphy, married.

People are never aware of their own
peculiarities of dialect

 raukless of accent,
rioly endowed with
It is related of
man, who has for a Soottish literary
ADVERTIBELIEATR
W. W. GHAPMAM,

## Soerotary of tho Mational shoop Broon-

Soerotary of tho ront or Rommey Mareh
and late soerotary of the Southdown


Addross: MOWBRAY HOUSE, MORFOLK ST.,
 Cables-Sheopeote, London.
and getting her to daughter a moment
sapaeat the word, he
"Well, now will you be so kind as to
tell me the dufference between.
and dufference.'
canadian winners at chicago. In the classes in which exhibits wero Chicago International Ureara et-the Late they were rernational Live stock Show. ning important emably. succpsstul in winhorses, they won the champlonship the best stallicn and the best mare, any age, and in various sections of the class the irst Yor three-year-old, two-year-old
and yearling stallion, the first mare, the seccnd, third and fourth god four the eeys, the grget or one sire. In Hack ship for best stallion and the champlo by Canadians.
In the treeding cattle classes no Canadians exhibited, but the champlor
Shorthorm female, all Shorthorn Semalo, all agoe compoting.
was bred in Canada. The Arrot-prize
com to
 Was purchased by her cwer champlonship. Sired irst-prize junior yearling bull wan frat-prize eenior Conadian-bred bull. The in Canada, and the second-prize heifer
in same section bred sire and dian. Was
In trom Canadian-
sithe strongly in a number of cheors showed made a splendid record in prizewinning In Shropahiree (breadicg they competed.
 second for yoarling owes, second fcr fewe
lambs, ofrst for Inock limbset irrst for Aock, Arst for four lambe
the get of one sire and Arrat tor can-bred ewe lamb. In Southro Amerirst prizo for yoarling raumo came the was bred and owned the champloin ram Cotswolds, the championship Oanada. In ewe, any age, was brod and for the best this country, as was also the firstoprito
ewe lamb sheep, all the firct prizees for Lincoln ships went to Canadian oxhd champlonin the Leicester class the sitors, and
 made a brilliant shoving, Canadian flocks first prizes and championshing all the Shropshire, southdown, conships in the
wold. Lincoln
Dorse,
Cots wold. Lincoln and Lelcoster ${ }^{\text {First }}$ classes
First Frirst for grade wether lamb of mediams.
wool type, and all the firsta and poor type and all the firsts and cham-
granhips of long-wool type ; alshe the
grand grand champlonghips for best wethe the
lamb also the lamb, any breed, grade or crost wether

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edy for vermin, mange, eto, on
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## crossing a feld in which a conat was feeding; what a strange transformation

 took place? The grat turned to butterand the woman became a scarlet runner

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swinging rhymes, and has made all America and England laugh. Tho
laugh has cost the dreds of thousands of dollars, but it "goes without saying that it pays or
would not keep at it.

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and Commercial Cable, and President of the Cuba Company, is one of the most enthusiastic botanists on the continent, mirers of art.
grace a British title, was born in the United States. He sold books on the ago, rose in time to the dignity of selling oranges on the Illinois Central, and
later in life assumed the many high positions he now holds. His title he
won for eminent service to the British Empire in the building of the Canadian As a boy he worshipped nature. When
on the 1llinois Central Road he was the always armed with a hammer he was breaking of any queer rocks that hapfor the discovery of the identity those unknown rocks and flowers he
encountered. In later life, he established at Montreal art gallery. He is himself an artist
with the brush and of no mean reputation. He has at all times three or
four botanists in his employ in the far
$\qquad$ they can find. He hears of a new
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gossip.
Landlady-What portion of the chiche
would you like, Mr. Newcomer arr. Newcomer-oh, Nail oner
ample, thank you. At an ovangelistic service
the his other day the preacher at he havgow
his address cried
 encitusiasm, the audience sprang to theil
foet-all but an old Scctchman in the
or





Tho late Duke of York once remarked
to Colonel w. at tho
amesion of tho to Colonel Wa, at the mess of the 11 th
Regiment that the Colcuel was uncom-
 in more need of a wig. The Coloned Who had been of very olong standing in
the service, and whose promotion had
nem been by mo means rapid, informed hais
Royal Highness that this could me his
 $M_{\mathrm{By}}$ junior ontern
ead," Colonel W. reventiepping over my Thy thate was so pleased with the re-
 A lady, who had charge of a stall at a charity bazar, wrote tor a a cetatribubut not amor. Billings, who was riel noto to the efloe treaved next day
her a sitloin en that ho was sending The sume moert and two ox tongues
 and after giving him hillings with meat. her stall, sho asked it he, himsell, would
pot like the not tike to give her something.
it should dike very
much

 ax tongues." _-




 welve couldrot be anything ilise whe wo
called the other trustess in
 Conelusion. Likewise the shool teacher
was proved to be, it not an idiocter


 county superintendent and appealed to the porition. Thero ont the ueeep him in this
prosent.
 Une wiso odapaptabiulty ty should consider
 leact that the earth was round or tatat, mhat galloways have done. Socretary R. W. Park, of the Amercican




 hitit at El Pa Live Stock Cattle Ex, Konship over all breeds.
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