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LONDON, ONTARIO, DECEMBER 28, 1911.
No. 1005


How Much Would a Good-Looking
Fence Like This Increase the Value of Your Farm?
No article requires closer inspection than wire fence; it represents a lot of money. If at the same outlay you make a choice that will give you from eight to ten extra years of good service, it is worth something, isn't it? Some folks imagine that because it is made of wire it's fence, and that's all there is to the fence question. But the careful, good-thinking farmer sees difere knows a good fence means protection to his crops and stock, and is, in the end, a beginning, but is made from the right material to you have a coiled or elastic fence, one and takes in reserve for rough usage and abuse. A secure lock without a kink in the horizonhold its shape, with numberless gives little short kinks, common in so many fences, generally result in broken laterals with the tal permits of tighter stretching. Those little short ood-looking, durably-made FROST FENCE. It will give more years of service first test they are put to. Insist upon getting this good-lock, neat bundles, with straight and evenly-placed stays. There are many
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## 2142

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$\mathrm{U}^{\mathrm{NFFORTUNATE}} \mathrm{hawk}$ inded is is the crow, weasel or ground hog that visiss a farm where there is a
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to
 $n$, insist on getting a

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Double purcha es is used in lifting. It goes up easily
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rour gauges heavier than others. The track is 2 inches in depth-next deepest is only
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special propo ition at the present time. special will pay you to write us now. Fill out the coupon before you forget. You will be surprised how

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HORSES. DAIRY AND BEEF CATTLE. SHEEP \$11,000.00 In Prizes
PRACTICAL LECTURES will be given on subjects relating to the various
lasses of live stock; also to seeds, poultry and alfalfa. SIngle fare
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Vol. XLVI

## EDITORIAL

You cannot turn back the clock of time.
Now is the winter of our opportunity.
Mental tillage is the best of preparation fo
A better farm and a better home in 1912. Why

To the farners of Canada " The Farmer's Ad vocate " tenders its best wishes and its best ser
ice for the new coming year.

From the results of the recent students' judging competition at Chicago, where, out of ten teams competing, Canadian Agricultural Colleges were represented, in first, second and fourth places, "The duces that Canada is a Winniceg, justifiably de better stockmen.

Usually, men talk more aloout the weather than any other current topic, but give climate, on which weather largely depends, little considera tion, even in such important matters as the choic of a farm. Climatically, Eastern Canada hold an undisputed vantage-ground, owing to its usual $1 y$ ample moisture supply and freedom from vio reniment of her field and fruit crops in less salubrious areas.

The reception accorded the Christmas Number of The Farmer's Advocate and 'Home Magazine, not only by its readers, but by the press of the political leanings, creeds or localities, the expressions of appreciation from editors have been uniformly such as to encourage still stronger elorts on behalf of the interests of the farm during 1912 than ever before. To the press our acknowledg ments are therefore tendered for what we esteem as among the best rewards of effort, and to all who in any way have furthered our endeavors grll sides ind for all classes in the country the new year scens to with ouspicious concomitants.
'The Farmer's Advocate,' cannot too strong ly impress upon its readers the economy of the cash system," remar ed an extensive miller, in conversation with us the other day. "There are several country store-keepers with whom we deal who are going out of business," he added, "because they simply cannot finance themselves. Their customers go to the city when they have cash, be cause city merchants will not give credit; an when short of cash, they go to the country store keeper. This is hardly fair to the local man. It does not give him a chance. Moreover, it is sel clom to the interest of the farmer. Cash pur chases are usually the cheapest, and the cash sys tem saves many a worry and many a sacrifice to meet obligations." Nortgace your rarm, if nec essary, but keep clear of credit accounts and float ing debts

LONDON, ONTARIO, DECEMBER 28, 1911
No. 1005

Plant Quality
Every one of the hundreds or perhaps thousands of readers who are thinking of planting apple orchards should read closely the series of correspondence solicited by "The Farmer's Advocate" from experienced orchardists all over Eastern Canada. They discuss practical questions which every planter is up against when he comes to fill out his order. Indeed, some of them should be considered in advance of this step. An orchard is planted for a lifetime-often for the lives of two or three generations. It is of the armost importance to plant on the best possible thing else, to thriity stock, and, above everything else, to plant profitable varieties. Mistakos a rient the she the mistake of planting four that he had made Baldwins and Spies ing four hundred trees of cruit between. Cearly ture was his object, but he has since his Spies will probably bear poorly for lack of thorough pollination, unless stevs are taken of repair the mistake. The rows of Baldwins and Spies should have been alternated
How much to plant on a hundred-acre farm, is question unswered with recommendations varyand fifteen-acre farm, "" weldwood," we purpose to plant five or six acres this spring, and if the land were lighter we might plant more. The fear a possible overproduction is also a factor in rimiting the acreage.
In a commercial orchard plant few varieties, but not too few. As one extensive orchardist is beints out, the work of spraying and har vesting cession of spread out if one has a reasonable sucas a reis to pick, with who has several hundred bar for love or money
One point we would strongly emphasize. Plant only varieties of superior quality. We believe the day of the Een Davis is about past. Pump. kins can be more prontably grown on vines. More and more consumers demand quality, which, aven in long-distance shipment, commands a premis n since box-packing and refrigeration have come ato chard work we have made more money out the sixty trees of Spies than from all the rest of the 147 trees comprising orchard No, 1. and this autumn, when apples were not very quick sale in London, tons of fine Fall Pippins going for cider prices, No. 1 Spies could be sold readily at $\$ 3.25$ a barrel or $\$ 1.25$ per box. Nearly every one wanted Spies, and all preferred No. 1's at $\$ 3.25$ to a good grade of 2 's at $\$ 2.50$. The lesson is plain. We believe the Spy is pre-eminently the staple apple for conditions such as ours. Even for sections where it is not a long-keeper, we would grow it as an early-winter apple, and expect to make money on it right along. Of course the tree is slow in coming to bearing age, but it is worth while when you get it. There are, however, other good kinds. Tho heavy-yiclaing, good shipping Baldwin, where free from Baldwin spot, is not to be despised, nor yet the Greening, though its rare merits as a cooking, and especially as a pie some seetions big money is being made from such fancy dessert apples os McIntosh Red and Snow. ut these should be grown, handled and packed with much the same care as tender fruits. Among
early apples, the Duchess is strongly recommended by Mr. McNeill, while St. Lawrence, Wagner and Wealthy have backers. There are scores of varieties recommended by experienced orchardists, and to attempt to satisfy everyone with a dissertation on this question is to invite madness. But plant Study your every time. Locality is importan cial orchard half a dozen varieties are a commer home use, include a tree or two are plenty. For Yellow Transparent, Astrachan, Duchess, Wealthy Gravenstein, Snow, McIntosh, Golden Russett, and perhaps Spitzenburg. A succession of first-class dessert and cooking apples is one of the choicest. luxuries of the farm home.

## Classification of Animals in Stalls

## the fort

 the minemost consideration that should occupy stock exhibitie officers and directors of our liveeducative as exsibitions as educative as possible. To do this, every department of the show must be carefully studied, and needs of the more and better-situeded the judging-ring. The seats should nearer the ground and should should begin much ring, in order that spectators may see the judge to advantage. Such an arena is provided at the great International Exposition, held in Chicago The people attending this event may witness the judging in comfort, and yet, according to J. J. Cridlan, the English judge of the fat classes at this year's International, the management of that great exhibition have still plenty of opportunity for improvement. Mir. Cridlan, writing in The Breeders Gazette, suggested that all the animals of the various classes should be stalled in a row, side by side, in place of the present general custom of eąch individual breeder stabling his cattle in a bunch, regardless of age. At the great Smithfield show, in England, the animals stand in their stals in the same order in which they that the judging ing. would be a plan of stabling at our large exhibitions present impossible for all those in fair to see the animals actually being placed by the judges, but were these animals stalled in row such as Mr. Cridlan suggests, all would have an opportunity of handling and examining the animals to thrir own satisfaction, and, by reason of their chance to get close to them and study them carefully, would be in a position to gain much more valuable knowledge of what is desired in the various breeds and classes. The greatest drawback to such a system would be the inconvenience to exhibitors and herdsmen in feeding and caring for the animals; yet, if this work could be done with any degree or ease, there certainly would be much to be gained by stabling the animals of each particular class together, and our fair boards and if possible conide the matter carefly, and, early date.The conviction of the enlightened thought of the world is daily gaining strength that war is wrong and foolish, and the terrific burden of armaments unjustifiable. The Christian Guardian is right in declaring that one of the greatest tasks before present-day statesmen is to rid the world

THE I'ARMER'S ADVOCATE and Home Magazine.
THE LEADING AGRICULTURAL JOURNAL IN THE DOMINION

PLblished werkly by
THE William WELD COMP
John weld, Manager
ageate for The Farmer's Advocate $\begin{gathered}\text { Winnipeg, Man. }\end{gathered}$
THE FARMER'S ADVOCATE











10. LETTERS intended for
11. ©ide of the paper orly
OF ADPRESS

$\stackrel{W 0}{5}$



Address-THE FARMER'S ADVOCATE,
THE WILLIAM WELD COMPANY (Limmed),
London,
Not the Man for the Job.
One of the speakers at the Ontario Corn-growfrs Associcion is quen ." Would not thet fe better off if he were to take a corner on the old farm, build a cottage for himself and a little ter and buggy, and call his time his own, and help the boy in the harvest season, and help him whenever he needs him most, and stop when he
feels like it? He would be an honored member of the community in which he was brought up and he would be at leisure to be selected school
trustee, or roadmaster, or to the county council or township council, or a member of the Legisla
ture; and, with all the experience he has had the farm, he would be of value to his own neigh borhood.
While the sentiment of the opening sentences of this quotation are open to criticism, the opinion
that the retired farmer is a fit and proper person to be selected to public office, is surely altogether erroneous. Any man who has "had his day,"
and has retired, usually lives in the past, rather the future. Such men are rarely inclined to give new ideas a kindly reception. Their standards are likely to be the standards of bygone days,
standards which, while they served well under other circumstances, are not at all likely to cope
successfully with present needs. The present-day problems are best solved by men who are contemporary with those problems. The man who has
children at school has the strongest incentive for ficiency. What such a younger man lacks in knowledge gleaned from the past, he makes up his acquaintance with present necessities.
interest is to get the best school, and the progress or lack of progress made by his own childrea al conditions obtaining in the section.
And what is true of the retired farmer in relation to the school is equally true of his relations to municipal and provincial and federal politics.
It is the men who are in actual contact with con-
ditions best fitted to make the laws regulatine thee comhis cutter and buggy, is in a favorable positicn
to choose the kind of roads upon which he tra
els. There is no sharp spur of necessity urging him to do teaming when the weather conditions
are execrable. Hence his probably unwillingness to further a good roads scheme. The same principle obtains as to his attitude towards libraries, oridges, and matters affiecting the public welfare
It is the man who is actually facing existing conditions, and who is doing the township's work, or the country's work, and who is actually produc ing the wherewithal by which the country's bills are paid who should make the country's or the
township's legislation. True, there are some men at seventy who are more alert and progressive than some men are at fiity, but the rule is that progress is the accompaniment of the men in mid-
dle life, who usually are the men who keep the dle life, who usually are the men who keep the
balance true between thought and action, and balance true between thought and action, and
these are the only men to be entrusted with the these are the only men to be entrusted with the
responsibilities of public leadership. At any
rate, young men will not come to their own till rate, young men will not come to their own till
they have won the inestimable privilege of making their own mistakes. The way to teach pups to swim is to chuck them in.

In the Evolution of Agpiculture. The Christmes "Advocate," just to hand, is
certainly a "thing of beauty," and a joy to all the household. With its wealth of illustration and well as its excellent literary department it occu pies the proud position of being the oldest and the best of the agricultural publications of Can ada. It must be a great source of satisfaction
to editors and publishers to look back over the o editors and publishers to look back over the last half century, with the feeling that, during almost all of that period "The Farmer's Advo-
cate", has been one of the greatest factors in cate" has been one of the greatest factors in
evolution of the advanced system of agriculture ers have done exceedingly well, we interested in the appreciations you give of thoss
two great leaders in agricultural thought, Dr. I two great leaders in agricultural thought, Dr. L.
H. Bailey, and our own. Dr. J. W. Robertson, whose writings and teachings have been such an
inspiration and education to farmers, and who
have done so much to place acriculture in its have done so much to place agriculture in its
proper position as one of the greatest of the arts Prince Edward Island.

## HORSES.

Judging Draft Horses.
In judging draft horses, said Robert B. Smith, one of the firm of Smith \& Richardson, Columbus, first, speaking at the Gue!ph Winter Fair, we must
fin minds an ideal horse, and then in compaxing other horses with this ideal, it will believes that there is one and only one place to in so to examine a horse, namely, the head, for in so doing, one is not so likely to miss any o
the important points. The head not only de notes character and temperament, but should also show masculinity in a stallion, and the opposite in a female. Then, coming down to finer points, the ear, he said, must be of medium length, set
well up, and pointed; the face not too wide and bright ese-a very important part-should be The nose must be straight, the muzzle full and strons, denoting good breathing power. The lips
must be trim and neat, for a lip hanging dow denotes sluggishness, and the teeth must meet in front, because either over- or under-shot teeth ee wide apart and well muscled. The throat of good length, and should blend well into the
shoulder. shoulder. A short neck in a gelding is very ob will not only give length to the neck, hut is als hetter suited for heavy drawing. The crest lop wer. The withers, which should be broad end well into the back. The back should be short and niccly coupled, the loin broad and
well muscled, the croup) thick but not droonind the dock set, whell on and covered with fine hair The chest should show good girth, giving the
animal plenty of constitution. The ribs should lie long and well arched, for a flat-ribbed horse is invariably a poor feeder. The front legs must be
well set under the body, neither too wide nor too Close, for either extreme will usually be accom-
panied by faulty action. The forearm should well muscled and of good length, the knee broad,
fint, and not pulty, and the cannon free from

finty. In the hind legs, the stifle should be well set under the body, and strong, and the gaskin well muscled, showing good drawing power. The be clean, free from puftiness, flat and angular the tendons in the legs must be clean, and should
stand out well. The pastern behind should show more obliquity than in iront, and the hoofs usual ly are a trifle more oblong. The horse should close at the hocks, while in front he should go close at the hocks, while in front he should go
perfectly straight. The feathering on the legs nust be of a fine, silky texture, and should b straight. "Spats," or that hair which falls oosely over the hoof, gives a flashy appearance to
the Clydesdales and Shires, but is undesirable in the other breeds. The gait must be straight and true, free from rolling or paddling, and the feet both before and behind, should be well picked up,
so that the bottom of the foot can be seen when travelling. Color in draft horzes is noen when tant, but, above all, a horse must be symmetrical.

Winter Care of Horses.
From now on, till spring, on many farms there will be little work for horses. As a result, just as many as will be required for work will be kept
in condition, while the remainder will be allowed to run idle. It is the progressive farmer's bowed winter such horses as cheaply as possible, and at the same time not allow them to become too much educed in condition. One very important poin ent a change in food. This is a point very often ncglected, and, as a result, the veterinarian reaps son when hay and grain are scarce or a seaprice. Whenever a radical change in diet is conFeed a little straw
and considerable hay at first; increase the quan tity of straw and decrease that of hay correpondingly each day, untio, in a ing this plan, the digestive organs of the horse become gradually accustomed to the change, and
no bad eliects ensue. These precautions should be observed not only at the present time, but also in the spring, when the change will be from stray It is a mistake, howe are, to try to winter
idle horses too cheaply, on food that is of little danger of so reducing the animals in Hesh and constitution that it will be dillicult and expensive to fit them for work in the spring. The object
in wintering them should be to kecp them in fair condition, and not allow the muscular system to
ose torre to too great an extent. They should be given a regular but not necessarily large grain ration, oats being by far the best. The bulky
food may be anything that is not of high market able value, but lee sure that is of good quality It is extremely dangerous to feed any animal, and
especially horses, on food of poor quality, such as poorly-saved or overripe hay, dusty or musty
food of any kind. Such foods, op account of ease of the digestive organs, and are one of the vheat cuses of heaves. The safest ration is clean machinery for the purpose is available, it is well it all the straw. A little hay cut with it make
To improve this ration stil further, add a little chopped oats and bran, a few
pulped turnips or a little silage. These all tend
and to make it more palatable. Wheat straw, al and wheat chafi is still hetter. However, clean
straw of any kind, except barley, makes good food The latter, on account the beards, is not satis
Besides good food, the horses should always have plenty of good water and exercise. They
should spend a few hours every day in the yar or paddock, but, unless they have comfortabl should be stabled at night, for, if exposed in se Their feet also require attention, and, escent in few cases, where the feet are very brittle, the

shoes should be removed in the fall, and the ani mals allowed to go barefooted until the spring | casionally, and carefully whotcherl. If they ar |
| :--- | oreaking up too much, light shoes should he pu an abnormal shane, they should he trimmed with rasp and file to the proner form and shape. If encourages the reatedly, say, once monthly. This in all directions, tud thereby relieves pressure on cures the lameness.

The working team should receive special care,
and he kept in a hearty, vigorous condition hy
liberal feenting.

DECEMBER 28, 19
able, but a cheaper fooll
iust as good is a mixtur
mixed in the proportion of oint wounts and corn. pounds oats, and 25 ,
working teams, gives much less than the oil portion of one joun quarters pound hay weight of horses, giving the i,ulk of the hay ait I take special care to have my team comfort-
able, and keep the stalls "lry and well hedred every night with clean straw iq iroom my horses
nikht and morning, usuall?, or, if from any cause I nhave to limit the cleuning to once in day, I Io it at have to limit the clcuning to once a day, I do it at
night, so that all the lirt and sweat from the Harnessing the horses is another important
point that the majority of farmers neylect. Take note of the nett harnessed team you meet, and
see if the harness is clean see if the harness is clean ir gray and grimy-
looking. if the sinders on the brille are where
thex should he or so that the horse can look they should be or so that the horse can look over
them. See if the harness is well fittel to the collar, the back-land in its wace, and every strap
properly tuckell in its keeper. Nine times out of ten the harness will be pen to criticism. Every
little item in comnection with the harnessing of a litle item in connection with the harnessing of a
team adds to their attructiveness, as well as to
 pliable, and adds much to the appearance and wearing quality of the harness. For the rest of
the year I give it an occasional lathering with a god harness soap, which $T$ wive off with a damp rap. thus removing all dirt and making the har-
ness look like new again. A little metal polish, greatly to the general appearance of the harness and any of these little touches may be given in
Whatever other care whic every teanster has.
thouluh, he curre the harness, though, be sure you have it fitting right.
Carleton Co., Ont.

## Care of the Pregnant Mare.

 In his address on the above subject at the Pro-vincial Winter Fair, at Guelph, John Gardhouse of Highfield, Ont., pointedl out that, if a breeder is going to obtain the hest results from his brood mares, he shoull see to it that they are in good
condition at the time of service. If the mare is not on grass at the time, it is better to feed a
little laxative food, and then allow her to pasture for a short time after being bred. If suckling a colt, hard work should be avoided, and it
is is food practice to bring the mare in about the
middle of the forenoon and water and feed her middle of the forenono and water and feed her a
few oats. Careful handling goes a long way towards success.
It is in the fall, however, that most mistakes are made, said Mr. Garhonse. The colts are
weaned suddenly, the mare is pressed into service Weaned suddenly, the mare 1 pressed into service
to do the fall plowing, the feed is increased rap-
tily idly, and then, when it freezes up, all the work
stops sumdenly, and the mare is allowed to stand
int this in a drall, dark stable. A sumden change like
thenty causes abortion. The feed in oid of tresh air and exercise given, where there is no winter work to do If allowed to run out every
day the mare will not suffer from the cold, and half of each fine day will he well spent in the pad-
dock or barnyard. Plenty of exercise, fresh air, good water, and a liberai supply oi oats, bran
and mixed hay will usually be all the medicine and mixed hay will usually be all the meticine
a brood mare requires. The following were a few
i" Dont's" cited by Mr. Gardhouse 1. Don't expect a mare to do a hard week's
work one week and nothing the next. 2. Don't expect a good colt from a poor mare and a erood horse .
3. Don't expect a good colt from an overworked mare.
4. Don't expect a good colt from poor hanAling. Don't allow abuse.
 "I there is any backing to be done.
8. Don't drive her if the ground is irgen
and slionery and sliprery, unless she is well shoot.
Bnt
Give her a fair chance. 2. Give her a fair amount of work. feed. Give her pure water at all times.
4.
5. Give her salt it ill times.
 8. Use the hest stallion. Aoid all extremes. 10. Expect a a woul coit from a good mare,
a.

THE FARMER'S ADVOCATE
ierent lines fill quite a volume. My remarks will
Economical Feeding of Beef Cattle Dealing only with those points which are likely to he of interest to the Ontario feeder, one might
begin by as 'ing the question, " What aged stockers should be bought by the farmer desirous of
 three classes commonly fed-yearlings, two-vearolds, and three--year-olds-the two-year-old is likely to give the best returns for feed consumed and
to command the highest price on the market the following spring. The yearling frequently costs a little too much to begin with, and is not quite big enough at the end of the feeding period. However, under average conditions, the gain is put
on just as cheaply, if not at lower cost, than in on just as cheaply, if not at lower cost, than in
the case of the two-year-old. The three- year-old gains (depending, of course. upon the condition of
flesh when bought) about flesh when bought about as rapidly as the two-yeur-old, but costs, as a rule, something more
rer pound of increased live weight; and, unless very fat, in the spring brings very little, if any, more than the well-finished two-year-old. Oi course, a bunch of three-year-olds weighing around
1400 pounds, and being of the right type will command the very top price for the best export trade. Hence, once in a white, three-year-olds may be expected to do better than two-year-olds for feeding. When I speak of "yearlings," I mean really eighteen months old when starting
feed, and so on with the other ages. The next consideration might be as to whether the farmer should prepare to feed in open shed and small corral, or housing in a warm stable. Where


Bydand (imp.)
Champion Clydesdale stallion, Ontario Provincial Winter
Baron of Buchlyvie. Exhibited by the Graham-Renfrew Baron of Buchlyvie. Exhibited by the Graham-Renfre local conditions maintain, that the right class of
animals are fed, proper feeds used, and the animals handled in the right way. To the man wh lines of operation present themselves. He may produce the calf and feed until ready for the block, which will necessitate his handling breeding stock, and so render the business much more comdays old, and feed them forward until ready for the block, or he may buy stockers and handle them until ready for the block; that is, feed them until the right state is reached for his market require For the man who starts with the calf, experi
nce would seem to indicate rushing the calf from two or three months old to about eighteen months ine ; that is, the production of baby beef. The other plan, of allowing the calves to grow up and for a couvle of to growth, rather than fattening only when able and roughage plentiful and easily handled in I.eaving asicle the question of methods of baby beef production, and the relative merits of babythe winter for beefing off in the spring, or when ready for the block, we might take up the princi-
pal considerations in handling the steer along this Durine the cormmon line. we have fed off on the Experimental Farms of the Dominion, some fifteen hundred steers, and the findings along difbest method. constructions can be put
up, the probabilities are
thet that it wrobabill pay to feed inside. In fact, in On-
tario, it is probable that inside feeding would practically always be more
advantaceous than outadvantageous than out-
side feeding, although our experiments indicate that very cheap shelters prove quite satisfactory for

When feeding ind oo methods of handling is, the steers may run loose or be fed tied. On
this point our experithis point our experi-
ments are quite definite, the results in every case pointing to the advisabil-
ity of letting steers run loose in moderately roomy boxes, with eight running loose $\begin{gathered}\text { Steers }\end{gathered}$ more per diem and make cost per pound, by anywhere from 10 , to 30 per cent. than similar steers
fed tied and given similar feed, while the attention necessary is less in the case of the loose
steers by anywhere from steers by anywhere from
20 per cent. to 50 per cent., and the quantity and quality of the manure likely to be produced under the different conditions is very much in favor of the steers
fed loose. Hence, it would appear that feeding red loose. Hence, it would appear that feeding
loose eight to ten in a box, with, say, from 50 to lose eight to ten in a box, with, say, from 50 to
60 square feet of space per steer, would be the After methods of housing, length of time o feeding might be considered. Six months is a common feeding period, though four months, proprofitable ; but length of time must largely be controlled by condition of steers in coming in and
character of feed available, and market demands in the spring. The thin steer getting lots of roughage gives good returns and fair profit when ed for six or eight months; whereas, to get the best returns from well-fleshed steers, a shorter
feeding period of say from three to four months, where the ration included less roughage and considerably more meal of high feeding value, would
be the right thing. The method of feeding will be the right thing. The method of feeding will lepend upon the feeds available, but experience
ndicates the great importance of a fairly plentiful incicales the great importance of a fairly plentiful least cost, and with the least danger of cattle going off feed or suffering in health, are desired. certainly improves the quality. The question of the meal ration to feed will depend upon the length of time the feeding period is to cover. Generally speaking, start with a light ration and gradually
work up a heavy; but, for short-feed steers it work up a heavy; but, for short-feed steers, it is
usually necessary to start with a fair quantity meal, and rapidly raise to heavy feeding. An
other consideration is the character of meal to feed. Home.gr.awn feeds are usually thought to
be cheapest, but vefy often a ration compounded from home grown feeds is not as suitable for beef production as would he a ration including, along of meals richer in fat and protein than are oats. corn and barley, the common feeds of Ontario farmers. Gluten meal, cottonseed meal and oilcake meal are the supplementary feeds most likely
to give good results, and might constitute, early in the feeding period, say 10 or 15 per cent. o the meal ration, and, later on, from 30 per cent. to above 50 per cent. for the last few weeks.
Whether to feed the grain whole or crushed, is not open to question, since every experiment points to the advisability of having the grain ground, even though the grinding cost considerable. Much unground grain goes through whole, and, even where grain
Palatability and easy digestibility are factors of greater importance than the relative propor tions of carbohydrates, fat and protein.
tent, a matter of convenience, also tortain ex tent a matter of habit to the steer ; but, general ly speaking, twice a day is often enough, and the age. A morning feed for a 1,200 -pound steer might
consist of 30 pounds of a mixture two parts corn ensilage and one part roots, two or three pounds of chopped straw: mix with it two pounds of meal
mixture and about three pounds of hay. The chopped straw, roots, ensilage and meal should he mixed and fed together, the hay fed longer after the other forage is consumed. This re peated at night will make up the ration for the
day, and is about what long-feed steers should be getting in January. The breed to feed is hard to settle, but an
one of our beef breeds (Shorthorn, Angus, Here ford or Galloway) is likely to give good results pasture than the others, but not quite so well a box or stall.
cess or failure in feeding operations. do with suc and constant supply of water, salt readily acces sible, fuirly frequent cleaning or bushing, clipping to prevent caking with manure on hips and supply of light from decently-cleaned windows good fresh air controlled by some system of venti lation, and kindly treatment, will all work to gether to insure good gains at a moderate cost, and practically compel profits, provided, always
the market remains normal.

## THE FARM

Notes from Australia
Australia is now quite general. Some of the as sociations are demanding that mares shall als pass the test before being allowed to enter the arena. Not any of the state governments, how
ever, have moved to make the examinations com pulsory for horses whose services are offered to the public, but in most cases parades are held in each district every season, and certificates are granted
to those which pass the tests. The public can to those which pass the tests. The public can
then demand to see the certificate of any animal of which they may be in doubt. This certifica tion campaign has done incalculable good. Hun
dreds of unfit horses have been condemned dreds of unfit horses have been condemned and age of condemnations at the show-rings now is comparatively sinall. In the young stock forward
there is a marked improvement, especially in heavy sorts. A judge recently stated that he
never saw. in Great Britain or lot of youngsters than those forward at the late Melbourne show. The certificates are now de manded at the yard sales, and, indeed, some of
the auctionears will not accept animals which not passe 1 the vet. Where uncertified animals are not passe1 the vet, Where uncertified anim
offered, huyers will not fiten bid for them.

The imported starling, which is now in millions bone of contention hetween different interests. The
orchardist breathes unlimited curcec orchardict hreathes unlimited curses upon the pest,
liecause it simply ruins his crop of soft fruits in hecause it simply ruins his crop of soft fruits in
a few houms whin the thuck siverves his way, while the suen-hreder declares that it is the most pro-
lific
that country once denounced as a curse and that there was set on foot a plan of decimation. The
result was that insect life multiplied so rapidly that the last state was worse than the first; so paign of starling production, and nests a campaign of starling production, and nests are en
couraged in the orchards, and the birds are fed during the season that there is no iruit available Australia is very short of bird life now, owing to the destruction of the indigenous, insectivorous birds through the poisoned pollard baits latid for
the rabbits in the sheep districts. As a result, the blow-flies have increaser so rapidly that it was estimated the loss of sheep through the mag gots was fully a million in one state alone, New
South Wales. This year the fly is equally as South Wales. This year the fly is equally as
prevalent, if not more so, and promises to destroy a greater number of sheep than ever. The only precautions now taken are to crutch the sheep at certain times of the year, so that there
will be less wool to soil, use a poisonous dip, and leave the tails longer than usual. These measures have an effect, but still the losses are very considerable. Autumn shearing is also being tried, with effect, in some districts. It has been come a vital necessity. To gain that end, a Bird Day has been established, to try to promote the propagation and secure the protection of the feathered friends.

Everything is now dearer in this country thal The combines see their opportunity, and are mak ing the best use of it. The producers are, of course, singled out for attack. Wool freights, higher rates in the deep-sea bottoms than evee before. It is said that the Beef Trust has got some sort of controlling influence over the companies which carry the meat, and that is how
they are beginning to pinch the Australians. There they are beginning to pinch the Australians. Ther
is no proof of this, but it is generally underston

as is
ayric
tion.


#### Abstract

ast each year. In addition, the farmers are to is to undertake the shipping, and other plans are ${ }_{*}^{*}{ }^{*}$ operative spirit. A strange discovery, which may lead to some advance in silage production, was lately made in mixed up with the contents of a silo. When it was found, four months afterwards, it was in a onderful state of preservation. The flesh still fipe melon. Experiments with the preservation of pumpkins, marrows and the like are now being Sydney at one or the Government state farms.


The annual sheep returns from little New Zealand show the total number for 1911 to have
been $23,996,126$, a small decrease compared with last year, but, with that exception, the greatest 752 . The sheep population of Canada for 1910

A Study in Rural Economics.
II.-LARCE VS. SMALI FARMS.

It is no uncommon thing to hear it proclaimed better farmed. It is selfe time of smaller farms, ion per acre would be greatly increased under his svstem, but whether the production per unit reased, is another question
The 'farmer's problem is not simply increased production. From the business standpoint, it is Not a problem of most economical production. much how much produce a man obtains, but how him individuall realizes, is the important point to whole the econony is the volume of Although census statistics are not
yet available, we yet available, we
believe it to be the
peneral in general impression
in well-informed agricultural circles, settled districts of this continent the
size of the farms increasing, rather
t a n decreasing.
This, of course This, of course, does
not apply te dis-
tricts where general farming is giving way to fruit farming or to
gardening. where farming of
any type which can
fairly be called general farming is the
practice, we believe
that the tendency is that the tendency is
rat er towards
larcer than towards larger than tow
smaller farms.
The average size of the farms in Tomp-
kins County was
kins county was
found to be 107
acres.
cond-prize junior yearling grade Shorthorn steer at the. Chicago International, that the trust is operating in this country under whole, freehold farms were smaller than tenant aring on amongst the producers of combination farms. The former averaged 103 acres, the lat lack extent. The time must come when the men farms were of 100 acres or less, while of the tenunited entity to fight the commercial stand as an ant farms 53 per cent. were over 100 acres in are arrayed against them.

A claim has been made that the cherry orchar South Wales, is the largest in the world. New area is 300 acres, carrying 30,000 trees. This
industry is expanding in Australin industry is expanding in Australia, as it has bean sperial packing, cherries can be exported to It is asserted that the farms of the county are
ncreasing in size, although the increase in the average size is not so great as would appear from a comparison of the above figures with those of the census of 1900, because the latter included the Exy small holdings which were excluded fron
the Experiment Station's survey as not being true farms from the business standpoint. would be that farmers find the larger farms more prolitable. And a comparison of actual profit:
shows this to be undoubtedly the case. The standard of wheat, which has been fixe areviously by the Chamber of Commerce in each States hy a committee upon which the prowers, less than $\$ 101$ to their owners decreases as the representation. the convernment will each have token the fercentage of furms yielding labor in ection, for it is proposed that the mran shall comes of orer $\$ 1,000$ increases as the size of the he eraded in the. standards, insteall of one, as case. It is ans. There is mo exception in eithe
there, undoubtedly true, for
farms of much over 200 acres, is another ques
tion. The group of farms of over 200 acres, th most profitable group, averages only 261 acres Up to that limit, the rule holds absolutely true son to conjecture that the same rule would rea also, for almost all other localities where the same types of farming are practiced.
SIZF: OF FARM REL MTFD

SIZF: OF FARM RELATED TO PROFITS.

THE FARMER'S ADVOCATE.
the average farm. While the acreage wis 108
per cent. above the average, the capital was 147
per cent. above the average. It follows that not merely was the total capital of the most theccessinul farms larger, but the capital per acre was also alove the average. This superiority in the inat.
Inr uf capitalization no doubt contributed in some Herree to the success of the larger farms. lb Way of further evidence of the economy of
larger farms, there is cited the case of a cood amn well manayed, but, nevertheless, case of a good and profitable small farm. This farm of 63 acres ( 47 ner cent. above the average. The receipts per cow from mariket milk were 54 per cent. above
the average, and the receipts per hen from eggs 41 per cent., above the average. The farm was one of the best organized and managed in the county, vet the labor income yielded was only
$\$ 392$-little more than a hired man's pay. Farm$\$ 392$-little more than a hired man's pay. Farm-
ers of no greater ability were making eight times ers of no greater ability were making eight times
as great a labor income. For example, a neighbor with a farm of 266 acres (236 tillable), no
better located, was ma:ing $\$ 2,920$ labor income better located, was maiing $\$ 2,920$ labor income
on poor soil, and with poorer yields. The laton poor soil, and with poorer yields. The lat-
ter was selling the same products as his smaller neighbor (milk, potatoes and eggs), with the addition of hay and a few oats. His only advan-


Farmer Wise-If these scientific chaps are right, valued at about a billion of nitlogen above my farm clover and alfalfa are the most effective "plants" for developing this claim. Guess I'll keep them working ,

Good Floup from 1911 Wheat Crop
That the flour made from Western Canada whea after all, notwithstanding the adverse season, and that the flour made from Ontario winter wheat of last year's crop, were indicated by addresses given by Firofessor Harcourt, of the Ontario Agricultural College, to a meeting comprising members of Prof. Harcourt at the College recently. Prof Harcourt had used samnles of the seven standard grades by which the Western wheat is graded,
had milled these, and baked the flour in his small


The Turnip Car
plenty. After the silos ure filled, I cut the rest
and shock, and feed it to my cows well into the and sh
winter.
I al. I also st re a quantity of sheaf oats, not oat
hay, cut on the green side, and feed unthreshed to my horses in the winter time, when they are doing the pree side, is superior to timothy hay for
herses. My winter feed largely consists of silace and clover hay. Ny ration Por strictly fresh cow is 40 pounds of silage, 10 to 15 pounds of clover hay, and a grain ration of one part oil meal, one
part cottonseed meal, four parts bran, and two parts gluten feed. About eight to ten pounds are fed to each cow per day. My cows are not
phenomenal milkers, but they are a pretty good dairy all the year round.
way many farmers manage-that is dairy in the few months in the summer, and then quit.

## For the Dairy Conventions.

Tile Diraining," by Prof. Wm. H. Day, are the Farmer's Day at the Fastorn Daiternoon session of tion, in Campbellford, Ont., January 3rd to 5th. Among other items of the programme for the to have an opportunity of hearing the Minister of Agriculture, Hon. Martin Burrill, while Dr. C. A. Bull by the Hown for an address on "Taking the The programme of the convention, just to hand is bright with wit, humor, suggestion and fact. Let us hope the convention will be equally spicy. as usual, the next week. For the W, follows, as usual, the nesteon session, arranged specially Wednesday the three features provided are the report of the dairy herd competition; an address by Dairy Comand Buttermaking Industries," J. H. Grisdale on "Housing and Feeding the Bacon Hog in Canada." At the Wednesday evening meeting, Dr. J. A. Amyot will discuss the and cities; while Geo. A. Putnam speaks on "TThe Average and the Possible in Agricultural Produc tion." Thursday forenoon will be the cheesemakers' session; Thursday afternoon, buttermakers'
session. For each of these good programmes are


## APIARY.

Shopt Course in Beekeeping at Guelph.

Ontario is worth one and a hall million dollars and the Point Pelee gaged in the regions, and further north, are en three hundred busisen oroducing it, keeping pose? Even then, we venture hees for the purquarter of the nectar secreted by Ontario flowers is ever utilized. And, although honey prices are advancing every year, not one tenth of the honey
is consumed in Ontario homes that our peon capable of eating.
Now, how can this industry be developed? by the Department of Ariculture. Th being use rganization work culminated last month in the biggest annual convention of beekeepers Toronto
ever saw. The next event is a Bee Short Course at the Ontario Agricultural College, January 9th to 20th, 1912. This course is free to all who are interested in bees, and every session, from begin-
ning to entl, will be full of information on the are of hees and how to make money from them
During this course, Morley Pettit Proviter Apiarist, will give a series of demonstrations and illustrated lectures covering all the main features helprul to experienced beekeepers, and beginners as well. Tectures will also be given beg allied subiects by other members of the teaching staff,
and a few export hee specialists will he brought and a few expert hee specialists will he brought
in from outside to tell how they have made a success in their special lines, such as the made breding Special time will he devoted each day to the
discussion of practical topics by members of the clasc, and one whole dav will be set. asine for


## POUL TRY

## The Conservation of Vigor.

## frstract from address delivered by w. A. Brown,

$\qquad$
The conservation of vigor is one of the great ists interested in the development of plant and animal life. It is of particular interest to poulmorymen, hecause more is bemp required of the than from any other class of farm animals. There is good reason to believe that much of the infertility and low hatching powers of eggs, and weakness and high mortality among the chickens is
due to the lack of vigor on the part ing stocl
The topic is of interest to all poultrymen, but
possibly the fanciers have realized its importance to the greatest extent, because, in contrast to the miscellaneous matings of many poultrymen, they achieverent of which required that the breeding stock be strong and vigorous and prepotent in the characters desired. No doubt much weak and in-
ferior stock has been produced in instances ferior stock has been produced in instances where
vigor has been disregarded. In the last analysis it is remarkable to observe what a small proportion of our breeders have been able to conserve that vigor to the extent of retaining their posi-
tion in the front row of successful exhibitors in the big shows, and who have continued to supply the rank and file of the poultry fraternity with birds of quality for a period of years.
While the farmer and utility man are no doubt much to learn in respect of viror from the have much to learn in respect of vigor from the suc
cessful breeder. Too mayy have conceived of no
Tol ideal other than the simple reproduction of their flock, and they allow their birds, therefore, mate up promiscuously from year to year. To
much cannot be said of the value of the ideal. adds an incentive to selection, which, with a keen knowledge of that phase of the business, must in clude a very caremt culling for vigor. SOME CONTRIBUTORY CAUSES TO LACK OF
VIGOR.
These are similar, if not the same, as the callses that liave brought about the failure
many poultry enterprises. As a matter of fact the average life of many large poultry plants has been very short, indeed. The same has been
true of the history of many smaller flocks. Many peorle are continually changing from one breed troduction or a male of another, sureed or variety
in order to bring the stock up to the stand in order to bring the stock up to the standard of not seem to occur to them that the trouble is
with themselves, in that they have allowed the vigor and stamina of the birds to become graduthree to five years, on the average, for this con ditions of affairs to hecome apparent.
The following are some of the causes that have 1. The great prevalence of the intensive sys factorily for laying stock, but breeding stock will not give the hest results in small and closely Enil has become contaminated with the accumu 2. T.ack of sanitation. and the overcrowding o the !irds in the damp, dirty, ill-ventilated houses the matter would indicate them clean, dry an or curtain-front houses, with an abundance of fresh air, were necessary, on account of the pecu-
liar anatomical structure of the fowl. 3. Faulty methods of incubation and broorl 4. Tnroads of disease, and the presence of lice eased birds should not he lired from, but too many people overlook the fact that but very indifferent fested with lice and mites. On many farms and poultry plants where a real, cenuine interest has heen taken in poultry, probably the interest hal hiras has heen depleted as much by the excessic cause. poultrymen rations as by any other single winter eare production havested in late fall and to look upon the hen as a machine goodaying strains have been popularly calle apondig machines. No doubt a hen does refoods and other stimulants, but these can brotein o excess, and often are to such an extent that he reproductive organs have lost the power to

It is not necessary that all of these cause. may have been at work on any one farm or plant, shows itself in its most tangible form in the prad ually increasing mortality among the chickens fom year to year, and the resultant inability to restock the plant.
The poultry husiness works in a circle, and this lack of vigor is apparent on the whole circum.
ference, for in many cases the chickens that just lived would have been better dead, for they are often worse than dead. They are weak and
anemic. They do not respond to good treatment slow to mature, remain stunted, and often, in the general scarcity of pullets, they find their way in ing to respond themselves, and casting a derom tory effect on the rest of the floci; ; and, if, per chance, they should get into the breeding pe the effect of their lack of vigor will be passed o
with interest, to their progeny, if they have and over do not lay sufficient stress on the individual itself. Ask a number of people congregated together in an Institute meeting or a class-roon.
"What is the first essential in the production of winter eggs?" It is rather surprising the numon the feeding, on the housing, or on any one of
the several other things. They seem to the several other things. They seem to lose ordinary hen, but a large, healthy, vigorous, sib stantial, well-grown pullet that will respond to good treatment, even under rather untoward cir THE INDICATIONS OF VIGOR.
First: In the male.
He should be strong, well-built, and of excel have substance and quality, be active, sprichtly in appearance, have a lordly strut, be a pood fighter, have a strong, lusty crow oft repeated attentive to the flock, sharing all dainty morsels Examined in detail there is an
respondence of parts in a physically weak male for instance, such a male lacks masculinity; he i hiely to have a long, thin beak and head, and with no apparent style or station, and long, thin thighs and legs.
medium to large bright-red comb and watd have bricht, clear, round eve which stands wattles; mently on the side of the head-the eve is the cations of he body ; it shows unmistakably inditail and the way it is carried, is an indication the ing tail which normally is carried erect fill, flowshanks should be strong, plump, and of the color characteristic of the breed, as contrasted with
the faded, thin shanks of the male of low Cold shanks are a very common accompaniment of low vitality. It is a common symptom of dis-

Second: In the female.
veculiar to herself; should le sprightly movement eryow one about the vard, than excitable and first out in the morning, the last to go to roost crop, the the hen that goes to roost with a full eggs hatch into strong, vigorous chicls in the The quantity, brilliancy and nature of the Thumage are very reliable indications of vigor compared with the the to be dull and ruffer, as compared with the close-fitting, smooth, fully-decolor pimment in the feathers of hrillisntly . The firds does not develon to perfoctiont ally weak birds. They do not have the surplus fat in their bodies to supply the gland at the base It might not be well to take any single bination of several weak characters is absolutely
reliable.
how may vigor be conserved.
By selection. election may be practiced in thd innate appreciation of what is observation the subsequent application of the same in the se lecton of the stock. Second, by keeping a syste-
matic record of performance and breeding of the fifferent birds, and a definite determination, by homsetrical methorls, of the relative vigor of in the breeding pens shall consist of only those vigor, apearance, periormance, and prepotency Brath whenth are beine practiced among poul

DECEMBER 28, 191
usine this method. The latter is used mainly The ideal consists methods; the dillicult
be evinced in the uncertaint, iormer alone may lying on that method alone den-to-late breeder re mating; he uses a greater number of matings, and
then is not at all sure of what he will get. The dilliculty in the second
dilliculty in the second
ry, it entails a great
and the fact that anyone amount of bookkepoul lose sight of the value of porsonal observation. selection or, rather, culling should be prac
ticed all along the line from the time the iced ant along the line from the time the egg is
laid until the birds are dressed for the mark The exterior of an egy does not give much infor mation concerning the vigor of the germ, but,
ne ertheless, it is well to discard all alonormal ne vertheless, it is well to discard all abnormal
egys.. Extreme care should be taken in the selection and management of the hatching mean le greatly injured by faulty incubation. Al cripples and weaklings should be killed as soon as short, round, shrunken hody; pale, thin flat beak short, thin down; pale, thin shanks, and that peevish, squeaky joice of the weakling, as con-
trasted with the large, plump, full parallelogram shaped body that fills pimp, full parallelogram sturdy chicken that is hard to catch and hold The weak chicken should be destroyed. It is a constant source of annoyance and loss.
shows weakness. This is often apparent when they are between ten days and three weeks of age
In many weak chickens, especially those light-weight breeds, the wings droop and seem to grow faster than the body. As a matter of
fact, it is the reverse--the growth of the body fails to keep pace with the growth of the wings. The chick that lacks vigor frequently requires
 be made. In many instances the largest, plumpest chickens-those that reach broiler size firstmature. This, of course, is wrong, and is to practiced by the successful poultryman, who al-
wavs has his eve and mind on the birds which he intends to place in the future breeding pen.
When the stock is brought in from the When the stock is brought in from the range in more than 75 or 80 per cent. of the pullets fit for the laying pen, and of these, only about 10 or 15 per cent. are suitable, on the average, for the breeding pen. Only pullets and cockerels
should be retained that satisfy all requirements ior robust constitutional vigor. est of any poultrymans or poufry-womans abilseason the highest possible percentage of strong healthy, vigorous birds in proportion to the numhers of eggs set.
This implies that the greatest possible skill ing stock. in the care of the eggs while hatching,

International Egg - laying Contest.
The international egg-laying competitions, promoted by the Philadelphia North American, at
the Storr's Experiment Station, Connecticut, is 1 st with 23 breeds competing, representing the inited States, Canada and Enghand. There were 00 pens of five birds each and 100 substitute
hirds, to be used in case of any of the others alling out of the race. White Leghorns made he largest entry (33), Barred Plymouth Rocks heing second with 14, White Wyandottes 9, Rhode sland Re \&, and so on down. The Canadia Bondville, Que.; Beulah Farm, Hamilton, Ont and Harley S . Jones, King's Co., N.B., White
Wyandottes; Institute Agricole, Quebec, R. Wrandottes; Institute Agricole, Quebec, R. I
Reds; A. B. Wilson, St. Catharines, and C. Mc Rocks.
In the first week only 91 equs were laid, thut his was expecten, The highest-scoring bird was White Wyandote, which laid $G$ ergs in the ven days As time passes it is thourht that moulting time, and som, of the lagrards at resent will pull up on the home stretch. In the start, or : thtal fir the six wepks of 1.91 .5

THE FARMER'S ADVOCATE
is beiner pen only gets the credit. Close account The contest is under control of a cominittee of athom poultry experts of the continent, one Whom is Prof. F. C. Elford, recently of Mac-

## Some Poultry.

ten families along one concession road within one
turkeys, 537 ; weight, 5,825 lbs $\ldots . . . . . . . . .8908 .13$
geese, $90 ;$ weight, 1,030 lbs......... 108.34 chichens and fowl, 556 lbs
nsold turkeys, 25; value

## $\overline{\$ 1,072.56}$


$\overline{\$ 1,112.56}$
The turkeys were sold alive at 15 c . per pound. This poultry was marketed at the farm of
Chas. Tucke, at Dixon's Corners, Township Matilda, in two days, for Western market.

## GARDEN ORCHARD

## A Labopatopy Full of Nuts.

$\qquad$ Nut-growers' Association, which comprises 34
members, drawn from 12 States, was held the New York State College of Agriculture Ithaca, N.Y., on December 14th and Asth. President Dr. Robt. T. Morris, who is an enthusiastic experimenter with nuts, gave a paper on the
hickories. He has made successful crosses reciprocally between the shag-bark and shell-bark hickories, and various other nuts.
J. Franklin Collins, of the Department of griculture, gave a paper on the chestnut-bark
disease. He said : In 1910 the State island had less than 50 known cases of disease while now, one year later, there are 4,000 known ases. In Pennsylvania the Legislature has apease. Spraying has been found ineffective, as the rial can reach it. has spread during the last year from this disease towss. showing its rapid power of increase, and that radical measures must be taken against it at once. Cutting out the affected wood proved $t$ is almost impossible to get the entire diseased Portion by this means.
Perhaps the main
Perhaps the main feature of the meeting was the exhibition of edible nuts from the Northern
States, which completehy filled one of the laboratories in the main building.
Ir. Morris assisted very greatly in this show,

The King's Flock of Southdown Ewes and Lambs at Woiferto
nibitipers previous to the meeting, that an ex hibition would be held in connection with the
meeting, and first and second prizes would be meeting, and first and second prizes would be of all species of nuts; each exhibitor being required to send with his collection a letter describing the tree and the nut. The results of this competition far exceeded all expectations, for it
brought specimens from many brought specimens from many of the Northern tra day after the meeting to complete the judging. The main points used by the judges in scoring were cracking qualities, plumpness and
quality of kernel, size of nut and thickness of shell. The meeting prent The meeting proved a very successful one, and
several new names were addel to the membership list. new names were adde. 1 to the membership The old officers were re-elected :-President,
Dr. Morris ; Vice-President,
T. P. Littlepage Dr. Morris; Vice-President, T. P, Littlepage;
Secretary and Treasurer, Dr. Demming.

Native Canadian Medicinal Plants
A good many people have the notion that every
plant and herb that grows " is cood for thing, if we only knew it." "This is one of the Chings of expression of the selfish idea that everything in the world and out of it was made for always he, untold numbers of birds, insects and plants outside the reach of human observation and use; their Creator has His own reasons for their existence, and these are sufficient, without any
reference to man's recognizable needs. In reference to weeds and heeds
paratively small number of the thousands that have made their homes in the Canadian woods and or medicine and any possible use for human food or hydrastis, that become highly valuable commercially, will be taken in hand by the cultivator The newsplapers told us, for example, this fall, single load of farm produce was ever paid for a October to a peppermint farmer in Michigan. In a strict sense, peppermint-raising can hardly be called farming.
For the United States lepartment of Agriculrecently been prepared by Miss Alice Herbs has descrihes between thirty and forty plants native to United States territory, whose leaves or flowers of them being recognized and used in about half of regular physicians, and the others in sufficient demand to make it worth while for the drug houses to stock them either in crude form or exsuch as catnip horehound these plants marketable condition, bring only about twice the ricice of cood hay, and hence it would not pay any ahle-bodied man to give up his time to collecting
them, but an invalid strong enough to wander through the fields could not engage in a more de lightful occupation. There are, however, excepnnat circumstances, as when one happens to live

entire possession of a considerable area of ground, where anvone using the proper means o
and curing them could make good wages. In the Bulletin above referred to are listed the ly distributed in this country Stramonium.-Stramonium, otherwiso known thorn-apple, jimson weed, and datura, is easily recognized by its large, angular, ill-smelling, smooth leaves; its white or purplish, three-inchlong, trumpet-like flowers; its prickly, two-celled,
globular pods, an inch or more in diameter, filled globular pods, an inch or more in diameter, filled
with numerous, blackish, poisonous seeds. A powerfully nurcotic drug is extracted from leaves and seeds. As a home remedy, the leaves are some-
times smoked as an antispasmodic for asthma. Thes smoker as an antispasmodic for asthma. are in flower, bring from 2 to 5 cents a pound. Lobelia.-Also called Indian tobacco, asthma weed and vomit wort. The specific part of the name of this plant, Lobelia inflata, is derived
from the inflated seed capsules, which are the size of a pea, containing, when ripe, numerous, very minute, brown seeds. The small, paleblue flowers are two-lipped; the upper lip has
two, and the lower one three segments. two, and the lower one three segments. The
plant has a poisonous, milky sap; its seeds are also poisonous. The shade-dried leaves, tops and branchlets, collected when the lower seed-pods and
tain the size of tain th
Boneset.-Eupatorium perfoliatum, or thorowort, or ague-weed, or fever-plant, was well known
to many of the Canadian pioneers. thickly in the new land where it was low or of the edges of low thickets and swamps. The of the edges of low thickets and swamps. The
rough, hairy, opposite leaves joined at the base, and the furry, flat-topped clusters of creamy--
white flowers, make it easy to recognize. Boneset tea used to be a favorite remedy for colds, fever
and ague, and indigestion. Its merit is still recognized. The market price for dried leaves is only about 2 cents per pound.
Grindelia.-Grindelia, or gum plant, is only an
adventurer, yet, in the Fastern half of Con but when in flower it often forms a conspicuous feature of Western fields. There is no mistaking this plant, on account of the sticky resin secreted by the bracts under its yellow, sunflower-like
flowers. In one species, not only the flowers, alsers. In one species, not only the flowers, but
also the foliage, exudes this gummy resin. Grin-

## What, Where,

apple-growing, stimulated by orchard demonstra profit from commercial operations, there would seem every ground for anticipating an immense pring. Whether pr of fruit trees this coming to be overdone, is a question that might perhaps stand discussion, but our present purpose is to
help to answer the many important practical questions that confront the intending planter, exMen with personal experience and intimate knowledge of conditions in their respective fields have been asked to discuss the ting of apple trees likely to be made in y yur vicinity this year 2. What would you consider a fair acreage of orchard for an enterprising farmer with one hundred acres of land?
3. What soil, site and preparation of the land would you prefer? 4. About how many varieties, what ones, and planting, and why ? What variety would you
plant to pollinate the Spy and other kinds ? 5. What age of trees would you recommend,
and would you advise dealing direct with the nurseries, or how?
6. How would you arrange and how would
you space the trees in your orchard? Would you plant early apples or other fruit as fillers? Read them carefully, and feel free to write, adding helpful suggestions from your own planting

## Twenty-acre Orchards.

##  <br> being planted For the <br> land in a recognized apple district, I would conThise a fair acreage charding the chief business on the farm, and it plant food. The purchase of a little concentrated feeding stuff would enable the farmer to maintain indefinitely the fertility of the land. It

delia salve has some renutation os an alleviant in ivy-poisoning ; physicians employ the extract for various purposes. The leaves and flowering tops,
collected when the plant is coming into full bloom and properly dried, have brought as high a price as ten cents a pound
needs no description. plant comes into bloom, and carefully when the
for about 3 cents a pound or about 3 cents a pound. Bearberry. Arctostaphylos uva-ursi is one the two or three plants called by the Indians kin-nic-kinnic. This trailing shrub, with its leathery evergreen leaves and its small clusters of bright red, globular, nearly dry berries, adorns the sand
hills of our lake shores, and grows abundantly hills of our lake shores, and grows abundantly
over the thin, exposed soil of the northern spruc country. Fxtract of bearberry is taken for dis orders of the kidneys and other organs. The leaves sell for about 3 cents a pound
berry, grouseberry, or dierberry) grows in assoc berry, grouseberry, or dierberry) grows in associa-
tion with bearberry, is similar in its habit, flower
and fruit, but is thinner and fruit, but is thinner, and can be distinguished
at once by the well-known flavor of its leaf. The at once by the well-known flavor of its leaf. The wintergreen prefers the shade, and does best in peaty or sandy damp woods, Oil of wintergreen
is extensively used. The leaves sell for three is extensively used. The leaves sell for three of
four cents a pound. Pipsissiwa.-Chimaphila umbellata is bast known by its Indian name, pipsissiwa, but it is also called prince's pine, rheumatism root, and bitter and foliage, but can be distinguished frou it the little cluster of flowers or seed pods that rise from the center of its rosette of stem lea ? ${ }^{\text {raisel }}$ our or five inches from the ground. Ic favor is tonic and diuretic, and has application to kidney and rheumatic affections. The dried plants ar worth from 3 to 4 cents a pound
Witch-hazel. -This shrup
Witch-hazel.-This shrub bears its yellow flowers plants are falling. The hazel-like fruit ripens the following season, and at maturity shoots its hard, black seeds to a distance of several yards. The tory conditions. Leaves collected in the fall and properly dried bring 2 or 3 cents a pound. Pennyroyal.-Neglected fields occasionally be-
come filled with this weed, Hedeoma perlegioides,
ciliate plant, with small flowers clustered round the stem in the axils of the leaves. It is easily
recognized by anyone who knows the peculiar odor of the oil. This odor is so offensive to insects except the roots, are collected when in flower, and sell for about 2 cents a pound.
Fleabane-Erigeron Canadensis, variously known and butterweed, bloodstanch, horseweed, fireweed, and Canada fleabane, is one or the commonest wheds in new lands. varying with the fertility of the soil, and the space occupied from a few inches to 7 or 8 feet in height. The upper leaves are numerous and tanching hemorrhage and controlling diarrhea The leaves and branchlets, collected at flowering time, and properly dried, are said to be worth 5 ents a pound.
Coltsfoot.-Tussilaga farfara, bears several com-
mon names, such as gowan, cough-weed, horse ginger, and coltsfoot. gowan, cough-weed, horse
The yellow blossoms, on their white, woolly stems, appear in the spring before the leaves. The latter are large- 6 inches
or more in diameter-and shaped like a horse's ont, smooth and reeen above, and white-wooly beneath. This weed has been introduced from Europe, and, if it is given a chance, it becomes ocally abundant. Eastern Ontario and the Prov
inces by the sea show numerous, well-established patches of it. The leaves and rootstocks have long been valued as a remedy for colds and afiec tions of the chest. Properly dried coltsfoot brings about three cents a pound.
by, sweetgale that sometimes by, sweetgale that sometimes entirely occupies country north of the lakes. The shape and odor of its fern-like leaves have given the plant its
commonest name. The crushed leaves, when rubbed between the hands, yield a spicy, aromatic odor that well identifies this shryb. The leaves and reddish-brown twigs are used in diarrheal com-
plaints. The price for dried parts is said to be
There is also a market, at $1 \frac{1}{2}, 2$ or 3 cents a pound, for properly-dried leaves of horehound,
motherwort, mullein, spearmint, tansy, yarrow and wormwood, but, as has already been stated it would only be under excentional circumstances

## How Much and

would enable him to so manage his business as
to be fairly well employed for the twelve month to be fairly well employed for the twelve months
in the year, and it would give work enough to one man (probably two), in addition to the fam-
ily of the farmer. not only for a mere living, but would give many of the conveniences and even lu.
tribute so much to an ideal life.
The soil and site is a matter of comparative indifference. The preparation of the land is a paration of the land is the underdrainage. Of the hundreds of sites of orchards that I have care fully examined, I cannot recall more than two or by underdraining. Ninety out of every hundred need drains at least every hundred feet apart, an the great majority would yield a good revenue on and sites are absolutely impossible without under drainage. When underdrained there are only a
few that are very objectionable in the apple few that
belt.
vary with the district would be perfectly absurd to plant the same
varieties in Carleton County that would be plant ed in Kent County. In no commercial orchard
would I plant more than three or four would I plant more than three or four varieties.
There is no difficulty in pollinatine the Spy with any of the winter varieties. The overlap ping of the blooming period of the Spy and other winter varieties in almost any section is sufficient
to get good results. There have been no accut rate experiments for a sufficiently wide area and for a sufficient length of time to demonstrate beyond a doubt that one variety produces hetter results on the Spy than another. But there are
sufficient facts at hand to justify the statement that there is a possibility that some varieties if used to pollinate the Spy will produce a hetter
type of fruit than if the flowers are self-pollinated type of fruit than if the flowers are self-pollinated
or pollinated by some other varieties. I would strongly $\begin{aligned} & \text { recommend one-year-old and } \\ & \text { two-year-old trees. } \\ & \text { Two-year-old trees, perhaps, }\end{aligned}$ have a slight advantage. They are practically as sure to live as a one-year-old, and usually
make as good a growth, and of course have the advantage of one year's more maturity,
I should undoubtedly deal with the nurseries and if the order was at all a large one, would
exact a bond that would secure me an indemnity in case the varieties were not as ordered. Per-

How lo Plant. hat the stock is well cared for, is in the failure
o secure varieties that were ordered nurseries or from the agents. I can hardly the ceive it possible that any intelligent fruit-grower or farmer who is planting a large orchard, would
deal with the ordinary nursery agent matter of securing nursery stock, whether ordered early or late, I should insist upon having good The longer that $I$ have experience in orchards
and the working of them, the more I am impresse that no arrangement of trees is more satisfac tory, all things considered, than the ordinary it is a great waste of time and mectly certain that excuary farmer to use fillers. Fillers are only ly-skilled fruit-growers catering
kets ordinary and average apple no place in the in all my me a success of them, and I cannot recall in all my experience more than three or four fruit-
men who have.
A. M. NEILL, Chief, Fruit Division
Moderate Planting in East Huron There is not very much extensive planting o apples down in this county, but will be much the wards of 200 acres was planted. Last year up quite easily handled, along with other acre farm is will add much to the value of other work, and
yearly income of the farmerty and I prefer a sandy loam or gravel soil for fruit trees, within a few miles of a body of water, and
sheltered from the north and either nam the north and north-west. winds soil shoully be well worked and fertilized such would be the case with root crops, etc.
Io 0 not phant many varieties in a small plan tation. In a ten-acre orchard four varieties would
be plenty, consisting of Spy, Baldwin. Greenin
and Kiny, conser and King, consisting of Spy, Baldwin, Greening if early-maturiny variequal are desired, plant Duchess, anl a much fintter shipper) and McIntosh
Red. Roth thon lier than the.s any oit he previous mentioned win-
ter varmies. ter varieties. These ure all standard varieties
get it, and find tha having most vigorous usuarlly does the if best
Dealing direct with after
Dre Dealing direct with the nurseries is quite flang. nursery that the local agent is you know the you need many trees it is often representing. If know just exactly what you are buving. then you order your nursery stock early, then you get the
best trees available; otherwise vou have to thay best trees available; otherwise, you have to take
culls of many earlier orders, if trees are at all The trees are more easily cultivated, spraye
and worked about if they are planted squal placed about 35 to 40 feet apart each way Smaller growing trees may be planted at 30 ft the trees are placed diagonally in rows it is quite inconvenient (especially when spraying) working

The Good Fruit Will Win Out.
Editor
Quite an extensive planting of apple orchar
will be made in our locality next spring, but perhaps not much more than in the last five or six years, as farmers are planting steadily year after
year, and have now a large acreage. From 25 to $50 \%$ of the entire farm might b is capable of managing so extensive an orchard if not, then 10 acres is enough
Would prefer a rich clay loam within 5 miles and fertile.
Would advise quite a large nroportion of best kinds of early
and fall sorts. This would give a long picking season and distribute the work. There seems growing demand for such kinds as Duchess,
Gravenstein, Alexander, Wolf River Wealth Blenheim and McIntosh. Then Snow, Greening
should be planted in good supply, Ben Davis has will get a slow sale in years of abundance
they
Would recommend for planting, and from a near-by nursery if prac-
ticable. Place orders early to secure varieties wanted. In our region I would plant standard trees $35 \times 30 \mathrm{ft}$., using Duchess, Wealthy detc else the ers. This would leave the permanent trees
$35 \times 40$ when fillers are taken out, which would be right for Baldwin, Spy, etc., on good soil. in years of favorable conditions, so it will be a
survival of the fittest, and varieties of good quality, well graded, will be the best paying.

Strong on Spies for Bruce.

## Editor "The Farmer's Advocate The planting of apple

The planting of apple trees in 1911 in our
district was in excess of previous years, and the planting in 1912 will be slightly in advance of
1911. A few ten-acre orchards are being planted in this vicinity.
From five to reasonably be advised for a man with 100 acres of land, but an enterprising farmer could easily
take care of ten acres on a hundred-acre farm.
Any good soil, either naturally Any good soil, either naturally or artificially
drained, will do, but preferably a clay, sandy or
gravel gravel loam, but would not recommend planting
on heavy clay or quick sand. The site may be level, but preferably rolling land, with the slope
south or south-east. south or south-east.
In preparing the land for the orchard there is
nothing better than a clover sod plowed down the fall previous to planting, but any land that is fit for growing a crop of wheat or roots is quite
suitable for an apple orchard. planting nothing but Spies, providing there are near vicinity of the Spy orchard; if not, would advise plant the fifth row from the other Baldwins as we find those varieties to be the best pollinat-
ers for the Spy. The reason for planting nothing ers for the Spy. district is because it is the best district in America for the production of first
class Spies, and there is always a good demand for good Spies.
As to the age of trees for planting, I recommend strong, vigorous, two-year-old stock. BY
all means deal direct with a reriable nursery, and
and do not allow any substitution, and see that every
tree is guaranteed true to name. In order ti secure a good selection it is advisable, and it is
our practice, to place our order six months or
one year ahead. and this method has paid us well.
In arranging or spacing the trees, all standard
varieties should he planted not less than 40 feet


Cime as the standards commence to bear, and
then they ought to be cut down to give the
standards ample room. No standlards ample room. No farmer to give the better investment man thane, nor could he make a of apple orchard, providing he cultivates acres a proper way. In my opinion there is of it in least danger of the overplanting of apple orchards,
as by the time the young orchards are bearing
the old ones will be useless the old ones will be useless, and will have to be
cut down.
A. E. SHERRINGTON.

Ninety-five Acres Out of a Hundred for Apples.

There is nothing small about your request for information in your question-box of December 8th. Your no doubt are aware it would require about
four vos to answer them fully. However, four volumes to answer them fully. However,
just a few words : More and more apple trees are going out in Nova Scotia every year. We are lust beginning to realize that in the Annapolis Valley is the best fruit-growing proposition in the world. The working out of one and one-half mil-
lion barrels this year, at fair prices shown us what we can do. In the Annapolis Valley, I would recommend an enterprising farmer
with 100 acres of land to plant about 95 acres to with 100
orchard.
As to soil, would prefer sandy loam, well cr trees after setting, rather than before. study the orchard in your section, and learn well-tried varieties. In large orchards, five or We usually plant three-year-old trees. Better
buy direct from the nursery suy direct from the nursery. If reasonably near,
go and see the stock. Get the best. A few cents saved on apple trees is false economy. Would charding is calling for close planting, and cutting back yearly to keep them in control. In the right hands, $15 \times 15$ feet is a paying proposition. not the right man, better kecp out. King's Co., N. S.
Secretary N. S. Fruit-growers' Ass'n.

MeIntosh Red and Fameuse for Quebec.

I believe that in nearly every section of our sively than ever will be carried on more extenneighborhood, where our and, in our immediate the conditions surrounding the City of Mont f extensive plantings will go on for a number the hest orchards have been, a large number of in $g$ lots these last three years, so that land immediately surrounding the Island
orcharding and vegetable-growing.
I think about 25 to 30 per cent. of a man's though I think in perly handied in orchards, alhigh as 40 or 50 per, cent., and, although labor is scarce and high, I consider that the heavy planting will eventually lead the fruit-growers to a which will be of untold benefit to the fruit indus try. In one section I visited this past season, some growers had all their available land in orchards, and some were cutting down extensive, A well bush to plant out apple trees.
western exposure, will eliminate a great deal of scalding of trees in the spring, and, if carried through the early part of the summer in a cultiJuly, I think we will get good results for labor expended.
Sectionmercially, McIntosh prefer two varieties for this reach perfection, are in constant demand, and are Nant about an equal number of each variet but the McIntosh are finding favor with a large numher of our fruit-growers, and I think the planting I prefer well-grown trees, two years old, so that I can train them as I choose, but do not care for eliable nurserymen, one is pretty sure to get gond trees. T know of some proposing to plant
next spring who have had their orders in since the first of September. The young trees are planted 30 to 35 feet each
way. in blocks of 40 or more, as is convenient, and kept cultivated with a hoed crop until large enough to interfcre with the horses and imple-
ments, when a strip around the tree has to be fit, and the grass cut on it for a mulch.
Chateanguay Co.. Que. PETER REID Secretary Quebec Pomological and Fruit-gro
in.r Society

## Apples in New Bpunswick.

## In the Lower St. John River valley, for sixty

 miles below and ten miles above Fredericton about 30,000 trees will be planted next sprin Of this amount, more than half will be concen trated in a rery small area at a point 15 miles This the en the western bank of the river. planting planting of fuly 50 per cent. for the section mentotal number of tres to abert Counties, the though smaller than in the planted next spring, probably be double that of 1 estimate the total number of apple trees would planted in the Province for 1912 at from 50,000 to 60,000 . All over the southern and middlo por tions of the Province a steadily-increasing interest. in apple-growing is being manifested, and farmers and business men in both the smaller and larger towns are preparing to plant orchards.Most of the farms here contain more than 100 of which, more often running from 200 to 400 acres, of which, generally speaking, onty 30 to 60 acres
is cleared. I would consider a fair acreag for our average conditions to be five. verging somewhat on stony, with gravelly subWe prefer an elevation above the surrounding land, but not so much so as to be badly wind-
swept. Such a site drains off the cold air and gives greater freedom from frosts. Preference is land. We prefer a slight slope to the or inclined or north, and always aim to avoid slopes with a southerly exposure. In proximity to large bodies of water, the exposure towards the water is se-
lected. In selecting the site, consideration should lected. In selecting the site, consideration should vailing winds, the worst wind in our experience being that from the south-west. Where this is not provided for, as is often the case with us, ficial wind-breaks should be planted. Moust certainly, more attention should be paid to this feature in New Brunswick.
More of the failures in apple-growing here are due to lack of thorough preparation of the soil temptation on the part of the intending planter to get his trees in at once, and thus save a year or two, though the ground may not be fit, is often a fatal one. It is a recognized principle in
stock-raising to keep young stock vigorous, thrift and growing right ahead; the same is precisely the case with fruit trees. Instead of gaining time by the hasty method of planting, one often loses
two or three years. We like to get a soil on which a clover crop has been grown and plowed under two or three years previous to the planting of the trees. Land that is in a good state of vious season, if plowed in the fall and again in the spring, and well worked up on the surface, will give first-class results when planted.
From three to five, and even four or five may
be too many. As standard-McIntosh Red, Fameuse, Alexander or Wolfe River, and Beth
Duchess, Dudley, and Wealthy.
I would plant one-halp of the standard trees with McIntosh Red, and divide the other hall We find that the McIntosh Red yields some fruit every year, while the Fameuse does not, is hardier, easier picked. Alexander, while bringing a lower
eas price, is a hardy, vigorous tree, yields well, sells well, and the fruit is easy to harvest and grade, and hangs on well to the tree. Bethel, while not and well distributed over the tree, and consequent ly of good size and uniformity, free from blemish, and well colored. This apple will keep till April, and is a good seller on the local market. The from apple-tree canker, which is rather prevalent in the Province. In an orchard of five acres, as recommended above, for average conditions, I would plant only one variety for the fillers, as the
same would be easier handled. In larger orchards I might plant all three varieties mentioned above as fillers, in order to hold the picking gang from the beginning to the end of the apple season. The tially on the adoption of the co-operative system of selling, which we are planning to adopt and growing here the development of commercial appleThe Northern Spy is not planted here commer cially, and I will not consider its nollination. The
McIntosh Red is the one variety of which we have seriously to consider the pollination. For a num-
hy the Dudley and Icalthy as fillers, but in the
main we would depend on the Alexander or Wolfe
River and Fameuse. While this latter variety is listed among the early-hlooming ones, we find
here in this Province that it blooms close enough to McIntosh to pollenize it. I would suggest planting the McIntosh in double rows, flanked on
either side with a row of Fameuse and Alexander. At the time of writing, I would prefer to recommend two-year-old trees. What few one-year-old
trees were planted here last year did very well,
inde. inde d, in many cases surpassing the growth of
two and three-year-old trees planted at the same two and three-year-old trees planted at the same
time. We are planting over 3,000 one-year-old trees next spring, and $I$ am rather of the opinion that we shall soon be recommending the planting or car-la trees, even for this Province By all means deal direct with the nurseries,
where possible. The agricultural societies, farmers' clubs and fruit-growers' associations might well send in club-orders. It is a pretty safe plan to refuse to buy trees from a man whose selling put up with any loss that may occur. When the farmer is buying live stock, he takes good care to see that he gets value for his money. Why shouldn't he do so when buying nursey stock?
Order your trees months before you expect Order your trees months before you expect to
plant them ; in the summer or early fall is none too soon. If one waits till the winter, the best stock and varieties will he sold out. This is a very hard point to impress upon the mind of the
average tree-buyer, but more cases of substitution and poor stock are probably due to this one cause than to any other. People are so accustomed to ordering and getting all kinds of merchandise on very short notice, and conclude, therefore, that
they can do the same when purchasing fruit trees; but in this they are mistaken, as many a person has learned to his sorrow.
I am only giving you mny own ideas on this
question. I am planting forty acres of apples on question. I am planting furty acres of apples on
my own farm next spring. The standard trees will be planted 33 feet apart each way, and the fillers will be planted every $16 \frac{1}{2}$ feet in the rows running one way, leaving a clear space between
the rows of 33 feet, and making 80 trees to the acre. Trees do not make quite as large a growth perhaps as in some sections of the Dominion, and, consequently, the distance given above will permit
of the fillers being left in the ground until they of the fillers being len ing with the proper arowth and vitality of the standard varieties. This distance also gives us a good intercropping space for the urst few years-a
very important feature-and at the same time al lows of cross cultivation for some time to come.
If this planting distance is adopted, I would prefer If this planting distance, is adopted, I would prefer
to plant the rows north and south, so as to oo tain the maximum amount of sunshine per tree. secure ample cross-fertilization, would be provided for as outlined in paragraph 4. Having so ar-
ranged the varicties as to secure this point, I ranged the varieties as to secure this point,
would keep in mind, for the sake of economy and despatch in harvesting, the relative periods of maturity of the varieties, and, as far as possible,
plant the sturdiest and hardiest varieties on the The intending planter should never fail to keep a proper record of the orchard. Such a record
will not only bring out many points of great in terest concerning the different varietics, but is esments of trees and to the highest measure of sucmoved after planting, and a plan made immediate-
ly , in which every tree is accorded a certain defily, in which every iree is accorded a ctached inside the cover of a strong, well-made notebook, and
certain amount of space in the book accorded to
the each number, and notes made on the condition of
the tree throughout the year. Notes, under such headings as: Character of the linter; Characte Orchards, when commenced, and what done-same
for summer and fall; Opening of first Leaf, Buds and Blossoms-dates of full bloom and total blos
som fall-notes on fruit setting-cover crops-inter crops-insect and fungous pests-spraying-frui
yields, etc., should be made. If underdrains hav been laid, their whereabolts should be marked
the plan. The trouble involved in the kceping such a record will be more best possible treatment of th
In eonclusion, I would say

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growing
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hat he expects to ret out of it. Uniluss there
a strong natural lihing tor the work, and an ot
iectation of durivink sone enjoyment and weatit


## Topical Fpuit Notes.

 does not spare his language in laying bare th little weaknesses of human nature. Probably in all states a "sucker" for every day of the year In the case of a boom, as we have at present in fruit-growing, and particularly in apple-growing,both of these classes multiply exceedingly both of these classes multiply exceedingly, until
there comes the inevitable break when the rascal hies himself to greener fields, and the "sucker" sulks "his impotent wrath." We agree with all that our contemporary says regarding these fake
nurserymen selling inferior and falsely-named nursery stock to unsuspecting persons. It is shameful that our laws should permit such obvious deception, and we believe that no fair-minded and such deception. But at the same time we have an idea that most of our established nurserymen sell their overstock and culls of all varieties,
knowing full well what use is knowing full well what use is to be made of
them. Nor can we blame them for this. Tt it a mere matter of unsentimental business on their part, which saves a few dollars from the bonfire.
The jobber does the fancy work The jobber does the fancy work. Through his wards, a General Hand becomes a Bradshaw ana Longfield blossoms as a Tolman Sweet. This, then, is the person to be punished, although
does seem a shame to punish such brilliance in does seem a shame to punish such brilliance in a
man who would make our Province one large
apple orchard. For it is said by some that apple orchard. For it is said by some that
genius cannot go with honesty. On the other hand, the "sucker" is not al
ways without blame. He, too, is often hrilliant and he makes the honest agent groan when hen tells him what he knows about fruit trees. He believes himself too sharp to be caught by the
jobber with his cheap trees, and believes the reli jobber with his cheap trees, and believes the rel
able agent with his honesty is just that much deeper scoundrel. To some all agents are alik Would it not
fine sample?
 Again, a purchaser is often ignorant of the
first principles of fruit-growing. He does not
realize the extreme care realize the extreme care necessary in handling young trees to prevent them from drying out an treme sensibility of the small roots on his yound trees; he does not know the correct method of
plantine nor pruning, and the subsequent care in planting r
cultivation
trees and
honesty of a lowering in his estimation of the this past season very few growers had any suc cess with their young peach stock. Dozens o
orchards have partially or nearly totally failed Now these growers who have been at the business for years cannot all be accused of carelessness and ignorance, and in such a case the onus seem Which prevailed after the planting season may but not all. Many growers are beginning to think that fumigation may be the cause of many writer, who has fumigated. much versonally, the
very tender greenhouse stock, orange and lemon trees in leaf
and nearly all kinds of deciduous fruit without damage to any extent, cannot believe, without prouse these failures in young orchards. Winter
cause
injury sjury, or careless heeling in of trees in the nur cause. not infallible, neither is the most careful and successiul grower. The nurseryman admits this
when he agrees in his contract to replace all dead or wrongly-named trees at half price or free, as tee his trees true to name and likely to live under any condition, but our best nurserymen will
do their utmost to have things right. Such
men, no doubt. will side with the rrowers in sup men, no doubt, will side with the growers in sup,
porting legislation to control and punish "fake"
iobbers or unreliable and dishonest iobbers or unreliable and dishonest nurserymen.
to man can afford to plant an apple tree and seven or eight years afterwards find out he has
a "gold-brick." Neither should the growers sit

THE FARM BULLETIN
Staff Changes at Macdonald
Collegre.

Cor Company. It is greatly to be regretted that Canada is to lose the services of so able a man lecturer, and as an organizer it would be difficult to find. Mr. Swaine has been called to the Dominion Experimental Farms as Assistant Entomologist, in charge of Forest Insects, a position tor will find ample scope. The other two who are leaving are younger men, but men of such promise that their success in the college work was practically assured. R. resigned to go into private business in British Columbia. Mr. Cooley is a graduate of the On tario Agricultural College, and joined the staff of Macdonald college two years ago. He is a good which he is entering in British Columbia is not unrelated to agriculture. With some associates he is to deal in lands, with a view to their preparation for live stock and general farming.
W. H. Brittain, Assistant in Biology, the Seed Division, Ottawa, as Assistant Botanist ture of John Brittain, the Professor of Nainherited the Macdonald College, Mr. Brittain has and the nice discrimination in the use of wabits, which distinguished his father. As a member of tain dist graduating class of the College, Mr. Brit-
dished himself both as a student and as a debater. not yet been appointed. Mr. Swaine's place as Lecturer in Biology has been filled by the ap pointment of W. P. Fraser, of the Pictou Acad-
emy, one of the Province of Novast Scotiachers of Biology in the his training at Dalhousie and Cornell Universities and has specialized in the study of plant diseases. Hushandrv, Mr. Cooley as Assistant in Animal Hushandry, the College has appointed W. J.
Reid. R.S. A., of Reid's Mills, (Dundas Co.), Ont. tario Agricultural Collere, and entered Macdonald class. Since his a member of the third-year class. Since his graduation, last spring, Mr
Reid has been connected with the dairy staff of the Strathmore Farm, in Alberta, one of the farms conducted by the Canadian Pacific Railway in con-
nection with its dining-car service.

Ontario Institute Meetinges Ap ranged for First Half ApJanuary, 1912.
 Speakers-D. James, Thornhilb; R. L. Moore
house, Cairo; Mrs. McTavish, Port Elgin (Jan 13-18) ; North Waterloo-Hawkesville (Jan. ; At Jan. 4. North Perth-Millbank, Jan 5; Atwood, Jan. 6. South Perth-Mitchell, Jan Mit. Carmel, Jan 11. Greenway North Middlesexhill, Jan. 15; West McGrillivray, Jan. 13; Park
Middlesex-Thorndale, Jan. 17; Harrietsville Speakers-James McDermott, Elmvale; A. M Camphell, Maxville (Jan. 3-13); Mrs. W. J.
Hunter, Pleasant (Jan. 13-20 and Jan. 3 and H. Nxford-Norwich, Jan. 3; Mt. Elgin, Jan.
4. Norfolk-Bealton, Jan. 5; Waterford, Jan. Colk-Lanytun, Jan. 10; Vittoria, Jan. 11. Nast
Cigin-Aylmer, Jan. 12,13 West Elgin-Mid Wlgin-Aylmer, Jan. 12,13 . West Elgin-Mid
dlemarch, Jan. 15; Talbotvile, Jan. 16; Dutton,
Jan 17, TRodney, Jan. 18 . West Middlesex -
Middlemiss, Jan. 19 : Walker's Scholhouse.
20. Speakers-J. O. Duke, Ruthven; G. S. Peart
 Waterdown, Ian. 5; Frcelton, Jan. 6; Rockton, San. 10; (Ginssinl., Jan. 11; Tranquility, Jan 12. Brant-Buriwd, Jan. 13; Mohawk, Jan.


A Cosy Irish Cottage.
ton, Jan. 8; Glen Allan, Jan. 9. East Welling- Inverary, Jan. 10; Elginburg, Jan. 11; Westbrook ton-Mt. Forest, Jan. 10 ; Cedarvale, Jan. 11 ;
Conn (aiternoon), Jan. 12 ; Conn (evening Conn (afternoon), Jan. 12; Conn (evening), Jan.
12; Kenilworth, Jan. 13; North Grey Chan Worth, Jan. 15; Desboro, Jaa. 16; Kilsyth, Jon.
17; Shallow Lake, Jan 18; Kemble (afternoon),
Jan. 19: Brown', Soh. Jan. 19: Brown's School (evening), Jan. 19:
Owen Sound Speakers-Anson
Speakers-Anson Groh, Preston; Miss M. V.
Powell, Whitby.
East Simcoe-Crown Hill ternoon), Jan. 3 . Eraighurstoe-Crown (evening), Jan. ${ }^{\text {Hill }}$ (af-
Hitchell Mitchell, Square (afternoon), Jan. 4; Jarratt (evening), Jan. 4; Warminster (afternon), JJan. 5 ;
Uhthof (evening), Jan. 5; Washago (afternoon) Jan. 6; Ardtreà (evening), Jan. 6. -Rosemont, Jan. 8; Everett, Jan. 9; Creemore, Jan. 10; Lavender, Jan. 11; Singhampton, Jan.
12. Centre Grey-Badjeros, Jan. 13; Dundalk, Jan. 16; Hopeville, Jan. 17; Flesherton, Dundalk, 18;
Jane Maxville, Jan. 15; Eugenia, Jan. 19; Kimberley, Jan. 20. $\begin{gathered}\text { Speakers--David Bonis, Rannoch; Miss B. Gil- }\end{gathered}$
holm, Bright. horm, Bright. South Simcoe-Stroud, Jan. 3;
Thornton, Jan. 4; Churchill, Jan. 5; Thompsonville, Jan. 6; Loretto, Jan. 8, Peel- Samp Hill,
Jan. 9; Castlemore, Jan. 10; Cheltenham Jan Jan. 9i, Castlemore, Jan. 10 ; Cheltenham, Jan.
11, Beilountain, Jan. 12 . Centre Wellington -
 Jan. 16. West Wellington-Palmerston, Jan. 17
Moorefield, Jan. 18; Rothsav, Jan. 19. Speakers-Henry Grose, (T.efroy (Jan. $3-17$ );
F. R. Mallory, Frankford (Jan. $18-20$ ); Miss S .
 Jan. 3; Riverview (afternoon). Jan. 4; Corbetton (evening), Jan. 4. Honevwood, Jan. 5; Horning's
Mills. Jan. 6. Violot Hill Mins, Jan 6; violet Hill (afternoon), Jan. 8 ,
Whititeld (evening), Jan. 8: Perm, Jan. 9; Mono

 Jan. 12; Woodbridge, Jan. 13 ; Weston, Jan. 15
Salington (afternoon), Tan. 16; Elia (evening)
 Jan. 18; Schombera, Jan. 19; Kettlehy, Jan. 20
 M. Wotson, Parthill.
North Ontario-Sandford,
Jan. 3: Z.enhyr, Jan. $4:$ Sunderland, Jan. 5 ; Reaverton, Tan, 6: Cambridg, Jan. 8, Brechin Van \%MInev, Jan, 10, West Victoria-Wood
 Sreakers-C. W. Gurnev, Paris, Mrs. F. W
Watte, Clinton (Jan. $8-16$ ). Watts, Clinton (.Jan. 8-16). West Peterboro-
Stewart's, Jan. 3: Fourth Tine Smith, Jan. 4 Stepart's, Jan. 3; Fourth Tine Smith, Jan. 4
Potertoro (afternoon), Jun. 5 : North Monaghay (evening), Jan 5. East Petorthoro-West woord

 Turner's Schoolhonse, Jan. 15 River Valle
Jon. $16:$ Hovle's Schoolhonse. Jan 17 , Princ





Inverary, Jan. 10; Elginburg, Jan. 11; Westbrook
Jan. 12. Addington-Tamworth, Jan. 13. prise, Jan. 15. North Hastings-Queensboro Jan. 16 ; Eldorado, Jan. 17; Madoc, Jan. 18
Ivanhoo, Jan. 19 ; Moira, Jan Ivanhoe, Jan. 19 ; Moira, Jan. 20. Speakers-Geo. Carlaw, Warkworth J. C
Stuart, Dalineny Stuart, Dalıneny (Jan.3-12) ; Mrs. E. B. Mc
Turk, Lucan (Jan. 8-19) Grenville-Toledo, Jan. 3; Easton's Corners, Jan 4; Merrickville, Jan. 5 ; Burritt's Rapids, Jan Jan. 9; Brouseville, Jan. 10; Shanly, Jan. 11 Ventnor, Jan, 12. Jan. 10; Shanly, Jan. 11
Dundas-Williamsburg, Jan 13; Winchester Springs, Jan. 15; Iroquois, Jan
Speakers-R. E. Harkness Irena. Rel nell, Roebuck (Jan. 11-15) ; Miss Ethel Robson Ilderton (Jan. 19-22) ; Miss Campbell, Brampton (Jan. 5-9). Carleton-Kars, Jan. 5; Stitts ville, Jan. $6 ;$ South March, Jan. 8; Carp, Jan,
9 ; Fitroy, Jan. 10. South Renfrew-Glasgow 9; Fitroy, Jan. 10. South Renfrew-Glasgow
Jan. 11; Renfrew, Jan. 12; Adamston, Jan. 13 North Renfrew-Forrester's Falls, Jan. 15; Beach burg, Jan. 19 ; Westmeath, Jan. 20; Alice, Jan 22.

Kicsing the Blarney Stone

Iairs. It wouid be manitestly impossible, in a
rief shecth, to do justice to succh a theme, the
oll of reitulls great men is of such a length. Who,
howe.er. can onalt a pass.ng reiorence to the great
British inar lorn, Britisherable in Afghauistan, india and South Africa, is hapy and proud to emblazon his origin before the world, representing to posterity that
which lreland has done, in the person of tord Roberts, of Waterford and Candahar. Recent history tells us of an incident with a peculiar lrish "smac's" about it, which happened at the
storming of Alexandria storming of Alexandria, in 1882, in which Sir,
now Lord Charles Beresford played no unimpor, tant part. Steaming right under the huge guns mounted on the Egyptian forts, which were playing such havoc on the British fleet, he so sitenced them as to draw from the British Admiral the
now historic flag-signal, "Well done, Hare-brained, if you will, but just
deed one would expect frdm an Irishman - the sort of deeds in which the Irish have beon peculiarry conspicuous in the making of the Empire. An-
other great Irishman, though born in avenged that terrible disaster, known in history as "The Black Hole of Calcutta." Through his diret instramentality. the power of Britain was established once and for all in India. On his suc-
cessful return home he was granted an Trish pearage. Among the innumerable worthy sons peerland whose names stand iorth in letters of gold on her Roll of Honor must forever be included that of the Duke of Wellington, who, born near
Dublin, finally overthrew the invincible Napoleon at the battle of Waterloo. Jonathan Swift, Tom Moore (the greatest of ail Irish poets), Samuel Lover, and the irreoressible Charles Lever are but a few of the mighty host of Ireland's brilliant
sons. Every one with a knowledqe of Irish tory, however, will have his own favorites whose names may be added to this list. Thus Ireland is vindicated; her sons have amply justified her ambitions to ran's high among the nations of the Empire. A particular sign of the times lies in
the fact that, in this twentieth/century of grace, many who in former years, in the "disthressful", period, through which Ireland has emerged with
pronounced success, would have on their motherland, would have evaded any claims unique spirit of patriotism, in many cases claiming relationship where none exists. Truly these The tours for Ireland.
The tourist too frequently hurries away from beauties of her enchanting lakes and mountains, or the incomparable charins of her rural allurements. The cities of Dublin, Belfast and Cork, however, present such features of incalculable in-
terest, and amusement, too, that visitors would do well to remain a while, ere passing on would tricts more remote, variously painted by her sons in the immortal language of "Heaven's Reflex" or "A Sweet Land of Verdure, that Springs from
the Sea." Dublin: how many excellent things may be said of thee, had the theme been a new one? As, however, the charms of this lighthearted city have been sung in song and praised in story by those to whom nature has granted may be referred to the literature of Ireland, the proud work of her gifted sons, for anything in the way of an exhaustive treat, ise of this land of
sunshine. The affection which Irishmen all the world over possess for this the capital of their
native land finds expression in the adjective "dear," which is invariably prefixed to that name. This we find throughout the works of
her poets and novelists that the old city on the Dubiln," or, as Charles Lever prefers it, "Dear Old Dirty Dublin." Let not Irishmen of the most sensitive temperament take umbrage at the latter expression. It is freely used by Ireland's greatDirty Dublin, Io te salute." Is there any city on the surface of this earth of ours that can boast of such a wide selection of names as has been
affectionately conferred unon the canital of affectionately conferred upon the capital of Ire-
land. If, however, the visitor be content to take this " most car-drivingest city" exactly as he finds it. he will be amply repaid for his accept-
ance of the welcome so heartily and spontaneously extended him. Dublin does not understant 1 the
meanigy of the term half-heartedness. She thes
thinel or she remong. she fas inates or she entrances. It
has le en said that and Dublin," is the best physic any man "an "ake for
chronic ennui or a mronouncel fit of the assertion, Sar what wou will, come whence sou
 Perchance Mlown across the ©lorious Phonix Park
or Peautiful Dumbin Pal, that causes a lighter and or Peautifull Duhlin Rav, that calses a lighter and
more hurant llow of hhod to course ter hrough
one's weins.
proached the portals of Erin's capital. When the
stolid policeman on his Leat cannot resist the temptation, in answer to some ordinary question, to interpolate his reply with some ridiculous "de-
luderin' talk," it is small wonder that his less consequential brethern, occupying positions le austere, fairly overtlow with drolleries, personalities and fun, bearing neither ollence nor resent-
ment in their wake. Said, however, in any other ment in their wake Said, however, in any other
country, relie, ed of that musical accent which adds such a distinctive relish, the personal remark gree, but not so here. And why? There is but one answer: It is simply because this is Ireland.
This is Ireland, light-hearted Ireland, wherein nothing will surprise the visitor. Here it is the unexpected that happens; a system of topsyturveydom prevails, in delightful contrast to the
more orthodiox methods adopted across the

Dublin, Ireland's seat of learning, and Belfast, her commercial rival, frequently captivate the stranger to such an extent as to dwarf the claims not as it should be, for, most assuredly Cork possesses attractions as great as any city in Irebeside A fine day, a good outside car, and a seat is liberally supplied, is a positive treat in Cork wit the visitor. Bubbling over with 'genuine and counsellor will not fail to keed his fare in the sions of the truth, The most atrocious perverginary quotations as a means to cme most ima most fictitious statements, pure inventions of his own-for this specimen of Ireland's sons is a iost accommodating individual-need cause the fact that he is in Ireland. Set amid the the chantneents of a river impregnated with the charm in romance, Cork is one of the happiest corners ancient city is well authenticated, progress of this vicissitudes through which she has passed, the scenes of sadness and farewell enacted within her portals, there is a conspicuous air of gladness ever hovering ${ }^{\text {River T.e. }}$
One might know that Blarney Castle and the
Blarney Stone were not very far Its influence may be transmitted through the veri-
est street urchin est street urchin. The manners of her people are
the very embodiment of courtesy and acreeable ness. No one can find fault, no one can quarrel when in this light-hearted city. Paddy here is a most accommodating individual, and is ready to
suit his views in the most obliging manner and everything. Those who know Cork, how ever pay no attention to this pleasant phase in his character; the halo of the Blarney Stone encircles him, for is he not but five miles away
from the source of its Probably the traveller will be attract
Ioveliness of the girls of Cork more than by the thing else in this ancient city. It is here the bachelor invariably succumbs to the charms and
wiles of Ireland's daughters who wiles of Ireland's daughters, who, with lustrous
blue or gray ejes and finely-chiselled features, s'urrounded by a treasonable proiusion of rebel li)us dar's teises, combined with the caressing persuasiveness of the Southern Munster Brogue,
defy competition. Generously favored with magnificent array of interesting sights, probably Shandon Church, with her celebrated famous Bells. In the stillness of a summer night their
sweet chimes sound with peculiarly implemer sweet chimes sound with peculiarly impressive ca-
dence across the waters which encircle the old city of the T.e. The charter song of Cork is ". The Bells of Shandon, too well known to require re peating-frmiliar to eversone, owing to its catchy "With thy bells of Shandon, sound far mor The pleasant w
The authorshi? of this quaintly original ballad This was but a nom de plume "Father Prout." Sylvester Mahony, who was born in Cork, brancis spent the best years of his life in London as a
magazine writer $t$ A descrintion of the charms of the west coune en Thacieray was constrained to lay aside his arna e nent, would he clearly Iresumptious. and

Seed Growers' Convention.
convention of the Forestry Association, those fref a distance desiring
tain special railway rates. will be able to of,
Further particulars may ke obtained by applying to the Secretar: Canadian Seed-growers' Association, Canadian

## SPECIAL RENEWAL OFFER.

GOOD UNTIL DECEMBER 31st, 1911.
Last year we made the Special Renewal Offer given below; and thousands of our subscribers took advantage of it.

Our circulation at present is larger than has ever been before in the history of the paper, and we are aiming now to increase it by 5,000 before the coming renewal season is over. We will expect our subscribers to help us make this increase. The larger our circulation, the better paper we can give you, and it is therefore to your advantage as well as ours to have this increased circulation. There is no other agricultural journal in America that gives such good value as "The Farmer's Advocate," but we want to give still better. THE OFFER IS:-For one new yearly subscription and your own renewal for 12 months we will accept $\$ 2.00$. For each new name in addition to the first one, we will accept from you $\$ 1.00$, the balance of 50 c . being retained by you as commission. Or; if preferred, you may send in the new names, accompanied by the full subscription price of $\$ 1.50$ each (United States subscriptions $\$ 2.50$ per year), and have your choice of some of our splendid premiums

NOTE. This is a special offer, good only till the end of the year. Secure your neighbor's subscription to-day, before someone else gets him, or before he signs for other papers for next year.

Seed Growers' Meeting at the Winter Fair.
Association, held in Guelph, Dec 14th Seed-growers Association, held in Guelph, Dec. 14th, Prof. C. A Zavitz ably filled the chair, and, after outlining
briefly what the Association stands for and its methods, called upon L. H. Newman, the Secre-tary-Treasurer, to give the minutes of the last
meeting. These the Secretary said in the seventh annual report, which would sod be sent out. The meeting thought it would be a good idea
to have a committee on resolutions appointed and the chairman named the following appointer John Hunter, Wyoning; T. J. Shepley, Ouvry
and Alf. Hutchinson, Mt. Forest. T. he operated his seed plots. He said, in hart that he was aiming high, and that his eye was on this year with his selection of twenty-five he won Reid's Yellow Dent corn. He was also induced the Wisconsin Experimental with Prof. Moore, of consin No. 7
dent corn.
drained
dis plots were drained clay-loam soil, and his corn was planted feet 8 inches apart, by hand. He had greatly
enriched the plot for Reid's enriched the plot for Reid's. After corn was up, he thinned to three plants in each hill, and cul-
tivatud most thoroughly-a point on which he laid creat emphasis. He planted his Wisconsin No May 11 th, and it was ready to cut on SepHe estimater The results were most on Ratisfactory. -50 hills one way, by 20 hills Yellow Dent plot worth $\$ 54$. He had even watered some of his tivation. "Hope," he benefit over thorough cul- "was the railroad
to success." und his, experincen this him a a most and his, experience this year has made I. II. Coatsworth, Association.
of Ruthen, gave the next address, on his ohsorvations on two year's judg-
ing corn in th. Huld-crop competitions. He has
 Erowing stentul ld semel corn which will ripen
 prodncell on it. ins of the Midtle West. He
$\qquad$ Buicing, Ottaw
$\qquad$
$\qquad$

$\qquad$
$\qquad$

3,200 hills per acre. each hill, there would he 10,100 ears ears came from
would fill a bushel, or 116 which 55 ears would run it up to own 1.60 bushels. Three
also thought that arso theught that many iarmers were planting
varieties which were too large and too late maturing for the country's best ind torests late in He ine-
lieved Reid's Yellow Dent to he one of these.
Ho liked the White Coy and Early Bailey, which too
90 to 100 days to mature eties, too, was a great trouble for mend ped purporis.
The methods for drying seed corn were able on most farins. He thought that dryin
kilns would be fensible in growing their corn in drills for fors persistec forred the hill systam, and observed that He precorn was obtained in the hill practice, while more
fodder came from the fodder came from the drills. Prof. Zavitz said
their experiments at the College bore out this Cheir experiments at the College bore out this
observation. In the absence of Wm. Naismith, the veteran
potato-grower, of Falkenburg, Muskot, on "Growing and storing Potaskoka, his paper
by Mr. Newwnan.
Briefly by Mr. Newinan. Briefly outlined, his wala ircad to
plant potatoes on pea-stubble land which was plant potatoes on pea-stubble land which was
previousty broen out of sod, plowed early, and
 land early in winter previous to planting spring this is disked in, and the furrows cpeneid tato sets are planted, and covered with deep. Folike a snow plow, doing two rows at a time. Tic ough cultivation follows. When tubers are. rear-
to dig, he uses a small plow-like digger, and to dig, he uses a small plow-like digerer and
stores them in the bank of a ravine, 3 feet deep, 4 feet wide, and long enough to hold 3 feet deep, A fow bed-pieces are used crosswise, which hold poles lengthwise, and the whole is covered whix
inches deep with hat inches deep with hay and one foot of soil to shed
water, etc, allowing for ventilotion water, etc., allowing for ventilation at each end
until November 15th, when all is closed ua for winter. In this way they do not sprout forly in the spring, are of good flavor, and grow well when planted. His average yield is 220 bags per acre.
Soil is a sandy loam, with a hardpan bottom, which furnishes plenty of moisture. He has a
new strain of Empire State to put on the market

Alf. Hutchinson, of Mt. Forest, led the discussion, and said that his experience with pitted that way had done much better for had kept kept in cellars, etc. He believed it was the best sprout twice must weaken their vilow potatity to to whole seed had not failed, while cut seed had some question, "Would you leave seed in pits unti planting time ?" he said, "Yes," He pointed out how he had not planted his potatoes until the fact that there was practically no raind form four weeks arter planting, those potatoes grew most rapidly, and gave an average yield of 200
bushels per acre, and would have done much bet ter if they had not been caught with the early - Malte of the Seed Branch Ott gave an interesting paper on the production o
clover seed in Ontari. He believes that farmer choer seed in Ontario. He believes that farmers
should make more of a business of growing clover seed than they are doing at present. He pointe St. Anne's, after securin of the Experime the this year, had produced $\$ 23$ worth of seed per acre on
33 acres. He thought that hardier strains of
He one, such clover seed. It would prove itself much hardier another year. He pointed out how clover was cross-
fertilized chiefly by insects, and how essential the the use of foreign seed was dwelt upon not only from the standpoint of the introduction of foreign weeds, but that the clover might not prove hardy here. He further advocated a system of co which is somewhat similar to our Canadian Seedseed is grown of a similar Under this system, the entral point through a good mill, and properly
yraded. Such a sssteul does away with many kraded. Such a systemu does away with many
middlemen, and brings larger returns to the growers.
A gentleman assed if he thought honeybees
were uscful in the fertilization of clover, to which were ustruil in tre iertilization of cluver, to which
tha affirmative reply was given.
stater tar from the clover plants, and made considerable Mr. Newman explainum some of the new regula


came to put the lead seals and certificates on the packages which were sold on order or otherwise.
The ineeting was brought to a close by a few omarks on some things noticed in the inspection of the plots of members of this Association by one
Ontario inspectors.
T. G. RAYNOR.

## Our Scottish Letter

have had a somewhat "sober" time. The days be nearly confict in the fat-stock arena appear to cause the public are unwilling to consume the over-fed, heavy-weight show animal. Yet, unless hen, is is heavy, it can win no prize. Here, uch competitionse : What purpose is gained by the public will not pay anything extra for the car casses which are thus overféd? Surely it is waste of money feeding animals beyond the public aste in beef, mutton or pork. But how are we all, and the best feeding sorts, except by testing to and pushing the best and most easily ripened most rapidly and to biggest or sheep which feed profitable for the feeder in ordinary commercial business. The champion at Birmingham was Lessrs. Game \& Son's Shorthorn heifer, Village bred by her exhibitors, and was crot blos. She was sire, Village Beau (87631), a twin calf, bred by Wm. Duthie, Collynie, and bought at a handy figmost succossful his sales when a calf. He is a champion bull of this year the Duke of Portlon the Village Diamond. The, weight of Village Lassie at 2 years 10 months 1 week and 3 days was 1,735 pounds. She is certainly a wonderfully wellAngus heifer in fineness of bone and rotundity of orm, than a Shorthorn. In spite of the supreme vetory for the shorthorn, the fat-stock shows generally have been a triumph for the Aberdeen-
Angus breed. They had champion honors at wich and Edinburgh, and made a clean sweep of the leading honors in their classes for carcasses at Smithfield. The Edinburgh champion was the nedy's herd at Doonholm Ayr She Mr. Kent nedy's herd at Doonholm, Ayr. She was also
breed champion at Smithfield. The champion steers at all the four shows were Aberdeen-Angus
oxen. The Edinburgh champion steer, Captain Archibald Stirling's steer at Smithfield, and was followed in his class at Smithfield by a magnificent Aberdeen-Angus steer, Sirdar, owned by Sir Richard Cooper Blackband's weight at $S$ mithfield was 1,870 lbs.,
at 2 years, 7 months, 3 weeks and 4 . Sirdar's weight was 1,970 lbs., at 4 days; and months, 5 days. $\ln$ the carcass competitions, Cheviot, Suffolk and Southdown sheep were very successful, and, among pigs, the honors nearly all
went to the Berkshire. We are having a puzzling time in England with oot-and-mouth disease. During the year there
have been half a dozen outbreaks in the South and West. All of them were stamped out at once, and movement within the affected area in Somerset would be withdrawn. Unhappily, late on Thursday night, another outbreak was reported in the ments will have been imposed This must he most exasperating to stock-owners in that country, one of the foremost in the dairying world.
The scene of all these half a dozen outbreaks is The scene of all these half a dozen outbreaks is
between 300 and 400 miles sonth of thr. Scottish Border, and happily we have had no contotious disease of any kind among cattle in Scotland for about two years, and only a very rare outbreak of wwine fever or sheep scab:
ts die, and veterinary surgeons have recently been demonstrating the ir-
reconcilable nature of their views on the very simple question, "What is ringbone?" A filly guaranteed to be sound was refused by her buyer bone. Jight well-qualified experts in their professions swore in court that, in their opinion the filly had ringbone; quite as many members of the veterinary profession, at least equally as well
qualified, swore that in their opinion the filly had no ringbone. The judge who tricd the case dehem aprealed to a higher court, and it remains to be sen what the decicion there will be. Mean-
time, those who are opposed to the inspection of
horces at shows by veterinary surgeons have
 fession. when so many of its members cannot agree as to what constitutes so simple a disease as rine-
bone. It is impossible not to svmpathize with
those who arcue in this wav
stake. where much more serious issues are at of Lords this week, the Lord Chancellor said the only thing certain about expert witnesses is that not so sharer. It would be well were differences we know as the Dumfries filly case, above referred

Mope Land for the O. A. C.
Farm area of the Ontario Agricultural College Colle at Guelph, is likely to te enlarged. The ment to purchase asking the Provincial Governand Hon. purchase more land for the institution, last week th. S. Duf, who visited the College cured, is believed over the various options seto the Cabinet Council, prospect of its going through. Probably about cre hundred and fifty acres will be purchased. Induced the larger of the experimental plots has rethe twenty acres of orchard. which used to belong to the farm, has gradually taken away from it, some alfalfa hay. The live stock has materiaily increased from year to year, and there is not enough farm land now to supply all the foed for President Creel
purchase is made, the informs us that if the commercial apple orchard on some of the new land, under the direction of Prof. Crow. They the experimental plots, as there are so many new and promising hybrids among the grains that Prof. Zavitz is specially anxious to test them on Uarger scale. The work of the Experimental to supply the members of the Union year by year. Nothing is, as yet, settled, and no definite announcement has been made, but the options are

## Nopthumberland Fruit Growers'

 Co-operatebeen organized as the Northumberland Fruit growers'
ager,
R. Association, embracing what the man-apple-raising section in designates as the best
Canada, having 16,000 acres of trees, principally winter varieties. The association expects to have this year about 50
members and to have a pack members and to have a pack of 10,000 to 15,000
barrels of Nos. 1 and 2 fruit. They hope in two years to have a pack of 50,000 to 60,000 barrels. Every member will spray three times and culti-
vate weekly where possible. A central house is to be provided, and only experts employed to do the packing. The quality of every barrel will be guaranteed by the association. The manager will make a thorough inspection of each course of the buying of all supplies and selling same at exact cost to the members. He supplies help in picking and packing in the orchard, the The orchard packing owne
apples in barrels to take to central tighten up the and to superintend packing and sell the fruit, The officers are: President, W. W. Farley, Smith-俗 Brighton; Secre

Ottawa despatches announce that arrangements are being completed by Hon. Martin Burrill, Min-
ister of Agriculture, for the holding of a fruit con-
vention in ention in Ottawa early in the new year. The sentative of the fruit-growing and will be repreada, the various associations and administrative
The convention will probably he held in Febtion with it a fruit exhibition which promises to of something better than any fruit display ever renresent the best results in everv branch of the industry, as far as the season will allow. in 1905 , hut the coming on these lines was held ipon broader lines and more comprehensive

In order to reach the young men who find it
difficult to leave home for any lemeth of tin dificult to leave home for any length of time, the
Petrolia District Office of the Ontario Department Inwood, commencing December sthrt course at was the colurse appreciated that, during the last
two davs of inclement weather. the Inctitute $t$ wo davs of inclement weather, the Institute tent
was filled with eager men. On the night of De- $2+=$


MARKETS.
Toponto.
REview of Last week's markets The total receipts of live stock at the week were as follows

|  | City. | Unio |  |
| :---: | :---: | :---: | :---: |
| Cars... ...... .... | 148 | 244 |  |
| Cattle | 1,225 | 1,585 | 2,81 |
| Hogs | 4,865 | 13,170 | 18,03 |
| Sheep | 2,540 | 3,582 | 6.12 |
| Calves | 178 | 60 |  |
| Horses | 24 | 45 |  |

The receipts of live stock at the two markets for the corresponding week
1910 were as follows:


The comb:ned receipts at the two ma of 143 carloads, 22 cattle, 12,758 hogs, 2,710 sheep and lambs, 65 calves, and
27 horse $\rightarrow$ in comparison with the sam week of 1910
Receipts during the week were larger tha
the dealers expected lambs, which caused prices to decline an

Exporters.- E. L. Woodward bought 38 steers 1 Ior export, 1,170 lbs. each, at
$\$ 6.10$. There was one load sold a
$\$ 0$. $\$ 6.35$, and one at $\$ 6.50$.
Butchers'. - Picked
lots sofd at $\$ 5.8$ to $\$ 6.10$, and some Christmas catt
sold at $\$ 6.50$ to $\$ 6.75$; good, $\$ 5.80$ $86.10 ;$ meliums, $\$ 5.40$ to $\$ 5.75 ;$ com-
mon, $\$ 4.50$ to $\$ 5.25$; cows $\$ 3$ to mon, $\$ 4.50$ to $\$ 5$
bulls, $\$ 4$. $\$ 5$. bulls, 900 los., sold at $\$ 4.50$ to $\$ 4.85$; stock-
ers, $\$ 3.50$ Milkers and Springers.-Trade in milk
ers prices ranging from $\$ 40$ to $\$ 65$ for the bulk, with a very few at $\$ 70$ each.
Veal Calves.-Trices for veal calve were steady all week, at $\$ 4.50$ to $\$ 8$, Sheep lambs sold up to $\$ 7.15$, but on Thurs-
day prices declined to $\$ 6.40$ and $\$ 6.60$ sheep sold at $\$ 3$ to $\$ 4$. sold at \$p.50, and on Wednesday, hogs market; but on Thursday the receipts
were prices declined to $\$ 6.40$.



Market firm, and prices steady, at $\$ 1$,
to $\$ 17$ per tcn for No. 1 baled hay $\$ 1$.



Hides.-Rather dull demand for hides
 11ce, 120.
hides, Nos. selling to tanners at à advance. Cal skins, 11c. and 13c. per 1b., for Nos. and 1, respectively. Lamb skins steady
at 80c. each, while horse hides at 80 c . each, while horse hides ar

$\$ 1.75$ and $\$ 2.50$ each. Tallow, $1 \neq$. | 3ib. per lip |
| :--- |
| or renderat |

British Cattle Market.
$\qquad$


## GossIp.

A newsparer item last week stated tha the C. P. R. was negotiating with the Brunswick, with a view to having spe cial trains tour these provinces so that
apriciultural demostration might be given. Geo. A. Putnam, suu perintendent of Farmers' Inatitutase to Ottario, submitted last July an outline ot some good exhitits, demonotration.
not thectures which, in his opinion peat
 Province. Details as to arrangements
had not been completed up to the time or going to press.


Of Interest to the Wom en's Institute.
Its Progress for the Past Year. Report of the Superintendent, Mr. Geo.
A. Putnam, given at the recent Convention of the Association, Toronto. The past year has seen larger and bet
er things for Ontario Woment tutes, and the work which you are doing is attracting increased attention, not Provinces of the Dominion. In fact, you
are looked upon as leaders in this are loaked upon as leaders in this very
important and comparatively new work among home-makers. You are command. ing the respectiul attention of public men and women of prominence as neve
before. Your influence is already felt but who can measure the benefit to fu ture generations of the work which you are doing. If our organization has done nothing else, it has taken the women beyond, but
not above, those things which concern of their own religious belief or social
ci of all denominations and social standing binding themselves together and co-operand throughout the Province themselves ciples and institutions which their higher
intelligence, mature judgment and experience have proven worthy of womanhood's best efforts. Those who have most in
common are naturally drawn together in the formation of a local society, but an
organization which lives up to its oportunities and privileges ap appeals to all
high-minded women in the locality sooner ) best motives, we wire reach down and
help the most lowly and needy on and prominence has, however, been given to
those duties and responsibilities which
come to every woman who is responsible come the every woman who is responsible
for the well-being of a household. At At
the same time, the lives of the mem. bers have been broadened, and their in
fluence directed to the betterment morals, education, life problems, community interests, home and public hygiene, water supply, civic improvement etc. Your field of usefulness is unhimited.
Women are drawn naturally to those

Manitoba, Alberta, New Brunswick, as telling of the formation of Institutes, or the deep interest which the women show stands.
We are not and have not cerned that our organization shall secure publicity by doing that which is sensatracting public attention. We do not aim to do that which will give the so-
ciety notoriety but our des the life of the lonely and isolated brighter, to spread the gospel of right
living physically and morally, which we living physically and morally, which we
are pleased to re pleased to know exists so largely
among Canadians, and to atract and secure the co-operation of the increasing number of those in our towns and villages who are inclined to magnify the
society life. The Institute deals society life. The Institute deals with
the vital things of life, and leaves malities to the care of others. our desire should be to deal with the everyday needs of our people in such a way perfect.
While the greatest source of satisfaction is to be found in the enthusiasm of the members, the excellence of the work
done, and the bright prospects done, and the bright prospects for the
future, we are also gratified at the growth in numbers during the past year. We now have 654 branches, with a mem-
bership of nineteen thousand and ninety one, for the past yeat, an increase the, for the past yeat, an increase of
three thousand over 1909-10. The total attendance at Women's Institute meetings for the year was over one hundred
and fifty thousand.

' Sisters.
It would, no doubt, be profitable to further enlarge upon the underlying principles, accomplishments, and possi-
bilities of our society, and set up idealtowards our society, and set up ideals however, that you as delegates are look ing for definite information and sugges of the to how the aims and object of the organization may best be at
tained. I shall, therefore, confine tained. I shall, therefore, confine my
further remarks to observations based upon the work of the past year, and give suggestions which we trust many of you will put into practice in your own o
ganization
It has been particularly gratifying to
note the readiness with which note the readiness with which the members generally throughout the Province
have responded to the call of their cers in making the regular monthly pro grammes of interest and value, and no society can become entirely successful
without this co-omeration without this co-operation. The Instia fair proportion of their time and effort to the discussion and study of household topics, but they have more
than ever reached out and taken an inthan ever reached out and taken an in
terest in community problems-civic im provement, the perfecting of self-improve ment facilities, such as libraries, rest-
rooms, etc. The moral atmosphere rooms, etc. The moral atmosphere o
many communities
has been cleared. Although you have always accepted nobly the responsibilities which have been yours, a noticeable and most gratifying
feature of the work during the past year feature of the work during the past year
is the enthusiasm shown by not only the new organizations, but those which have been established for a number of years.
There is a growing tendency on the There is a growing tendency on the community. If there are weomen of the locality who have not yet been attractInstitute, ask yourself why. Is it that you have not lived up to your oppor-
tunities, that you have not yet done best to bring your society to the favor-
able notice of these women? Are you content to allow the women of your disCrict judge of the high ideals of Ontario
Women's Institutes by what your so comy has done. If not, then ask your-
selves what there is to be done and What you can do to command not only
their attention, but their co-operation. yourselves during recent years in admin-
istering to the material wants of the race, but you have used your infuence
and done your part to satisfy the desire and done your part to satisfy the desire
for better intellectual and social advan-
tares and to raise the standard of morals throughout rural Ontario. The
highest ideals of womanhood are the highest ideals of womanhood
same wherever true womanliness exists,
and as you stand true to these ideals lor yourself and for the nation, you will
lind yourselves drawn closer together in ${ }^{n}$ ever - strengthening bond of common The woman who has been active in
Ontario Women's institutes, no matter here she goes, carrien that something fiven through the Winuen's Institutes.
$n$ British Columin, Saskatchewan,
part of the Women's Institutes to cooperate with the Farners' organizations
to the mutual benefit of all concerned. An increasing benefit of all concerned. Societies are seeking the co-operation of the Women's Institutes in revising their
prize lists and introducing features in their Fall Fairs, which are of special in terest and value to the women. It is not necessary that the Institutes should lend financial assistance to the Fairs in and continue. In fact, the Fairs are much more liberally supported financially than the Institutes, and the organizar tion should consider well before giving
its funds direct to the Fair. If, however, they wish to appropriate a portion of their money to the local fair, they
should see that it is purposes, or some competitive feature among those who are or are likely to become active in Women's Institute An increasing number of Institutes appreciate the necessity of embracing ap variety of topics in their yearly programmes. While it is well to avoid there is a danger of spreading our efort, ver too wide a field, and finding ourselves at the end of the year with no we should weok accomplished. While should endeavor to choose subjects which are correlated. Such a choice of subfects is an inducement to the members
to choose their reading along more o choose their reading along more defi-
nite lines. Definite plans for the year, in so far
as programmes are concerned, are the best interests of the work, and an evergrowing proportion of our branches are these containing full outlines of the proeedings for each meeting, while others for each meeting of the main topics filling in of such topics as may appeal o the members. throughout the year. cople of marked ability may, come to well not to have your programme so full hat you will not be able to hear from them or a year or more after their arrival. attendance at the district annual meeting is to formulate plans, so far as possible, and , bive advice for the preparation ocalities have decided upon few topics to be taken up at each meeting by all branches. Such assistance as his will be appreciated by the newer nost prosperous. County Conventions hold a prominent place in Institute work, and where a be secured, much benefit is derived there from. We highly commend this feature The permanency of the work is reflected in the increasing number of branches Which are providing permanent quarters. many branches they have already
secured a permanent hall, which is used as a library, reading-room and meetingranches have co-operated in establishng a rest-room in the chiel town of the strict, which is used as a common the women from the surrounding country. but also the women and girls of the
town. At Whitby, Lindsay, and Hespe r, as well as at number places, we find such provision, and at
the latter place the girls and women of the town congregate every Monday evenof the occasion to give each other sugsestions and assistance in fancy-work,
sewing, etc. Wards and rooms in local
maintained by some of the Institutes Contributions to various lines of philan thropic work are becoming more general
Such contributions and efiorts requir some special means of raising money, and the resourcefilness of the Institutes in this respect is indicative of the ag
gressiveness of Institute workers. Increased and more general attention is being devoted to civic improvement on the part of our 1nstitute officers an members. Towns and villages have bee
cleaned up, trees. planted, walks imcleaned up, trees planted, walks im-
proved, and, in some cases, renewed streets lighted, and encouragement given to the private individual to keep his own
place as well as the street in front of place as well as the street in front o
The suggestion made last year that the rounding the local schools, and do wha they could to improve the same, has
been generally acted upon, and many echolars and teachers have benefited materially through the activity of the ln stitutes in this respect. Not only has
the sanitation equipment and decoration the sanitation equipment and decoration
of the school been looked to, but much has been done to beautify and make more attractive the surroundings of the stitutes have distributed seeds and plants among school children upon the under standing that they care for the same ac cording to directions furnished. In the
majority of such cases, arrangements are majority of such cases, arrangements are and vegetables produced are entered fo
competition. This is a most beneficial competition. T
There is an increasing tendency on th part of the Institutes to ask member who are known to be proficient along certain lines to give demonstrations in those branches of housework or home
keoping in which they excel. It iseping a complete list of the subjects which ar prominent in the work of the past year While we conclude from time to time
that every conceivable line of work has that every conceivable line of work ha
been touched upon by the Institutes, ww been touched upon by the Institutes, we
continue to receive reports containing new features. Among the topics whic
have been prominent in the work of the have been prominent in the work of th
past year, we may mention: past year, we may mention: The in
stallation of drinking-fountains, addresse by doctors and $\left.\begin{array}{l}\text { dentists bearing upon } \\ \text { their } \\ \text { professions, } \\ \text { banking, gardening }\end{array}\right]$ their professions, banking, gardening bors, study of Hand Book, spelling-match points in law which women should under stand; my grandmother, my mother, an myself; current events; source p,
tion and purity of imported foods,
There has been an increased tendency
during the past season to enlist the co operation and assistance of the gentle men in making the work of the Women's
Institute more effective. Many profes sional men, such as doctors, dentists lawyers, bankers, as well as business men, merchants, butchers, etc., have
given addresses and demonstrations be lore the Women's Institutes
When planning for this Convention, one of the most important topics decided
upon was "Women and Business Meth ods." Although I appealed to a nu ness methods, I failed to secure ever, to gather information along ho line and place it before the Institutes i some manner which we trast will be a You will remember that at our la Convention an advisory committee wa appointed for the purpose of conferrin with the Department as to ways and
means whereby some systematic form means whereby some systematic form of
fnstruction could be given to a group o Institutes. The basis upon which as
sistance was at first offered made the in sistance was at first offered made the in
struction rather more costly than wa acceptable to the members of the Insti-
tutes. We then made the offer mor liberal, and are pleased to state that w
now have a group of six Institutes in now have a group of six Institutes in
the Haldimand and Norfolk district which are receiving a course of lectures from well - qualified and specially - trained
teacher, who has already given you some teacher, who has already given you som
particulars regarding the work in hand The indications are that work similar
this can be organized in some localitie upon a basis which will be practically
sell-supporting.
The words of apprecia self-supporting. The words of apprecia
tion frorn those taking the instruction tion from those taking the instruction
should be sufficient to induce the Legis
the work in its initial stages While the assistance by we itera ture and lectures given to the Institute members has not been thorough, espesional teacher standpoint of the profes possible for the industrious and attentive oo get much valuable information on lood values, uses of fruits, vegetables and honey, milk-care, uses, and food
value, flour and bread-making, care ot teeth, bacterial life, prevention and treatment of tuberculosis, care and feeding of infants, poultry-raising, gardening, etc. It will be our aim to give what as-
sistance we can in the current year regarding household conveniences and laborsaving devices, house-planning and re modelling, water supily and disposal of
waste for town and country homes, life waste for town and country homes, life problems-in their deepest and broadest
sense. St. John's Anbulance Associa-
tion. Help tion.
While
Help for the boys.
we have adopted the motto, "For Home and Country," and do not, so far as I can learn, wish to make any change, it will be of interest to the dele gates to hear some of the mottos and
quotations which have appeared on proquotations which have appeared on pro--
grammes received from Institutes during
the past year.


The Little Busybody
(From a painting by Helen McNicoll, Royal Canadian Academy Exhibition, To-
Nor need we power or
hall nor lordly dome
The good, the true, the tender, these form the wealth of home.
To-day is the time to be happy.
"Patience
"In love of home, the love of country
"Women, after all, its rise,"
and comforts of existence."
"We should all try to discharge our
"For nothing lovelier can be found in woman than to study household good."
"We all meet on one common level." "Knowledge is power."
"Loyalty, socialibility, progress."
"Our aim-to educate and brighten.
"w neighbors as ourselves, with one object
in view-to raise the standard of health and morals of our people." "Frugality makes an easy chair for old $\stackrel{\text { ge." }}{\text { "We pass through this world but once. }}$
and any good that we can do will be a
villing service."
"Iflling you have a little kindness, pass it
"'The road to happiness lies over small
stepping-stones.
The life of each day would be pleas-
anter if we would permit ourselves to enjoy the work in hand.'
It is indeed encouraging and most gratifying to receive words of approval
from Institute officers and members reyarding services of delegates who have heen sent throughout the Province from
ime to time. While we have endeavored ime to timo. While we have endeavored
to furnish the Institute with speakers qualified along a variety of lines, we have always ained to take up work which is of special interest and value to
the mother in the home. the mother in the home.
You have a most valuabl
I should say leader-in Miss Watson, of
cuelph. She is untiring in should say leader-in Miss Watson, of
Guelph. She is untiring in her efforts
to assist vou, and her capaitition o assist you, and her capabilities are
apparently unlimited.
The Department has a high appreciation of the work which she is doing, and the increasing equests made of her by the Institutes hroughout the whole Province is the
trongest tribute to her work Our offficial organ continues to support he Institute work, and we believe you are the best friend that journal has.
We are indebted to the local press
throughout the whole Province, and espeially the agricultural journals, which
have so nobly supported you in your have so nobly supported you in your
efforts. I cannot close without expressing
hearty appreciation on the part of the Nepartment for the continued co-operacers who have assisted us in making the work such a success up to the present.
We have every reason to believe that We have every reason to believe that
this assistance will continue this assistance will continue.
always ready for suggestions. have anything which you think will be of benefit to Institutes in other locali-
ties, do not fail to write the Department ties, do not fail to write the Department
regarding the same. While we learn through the monthly reports much which is of interest and value from a Departmental standpoint, we are confident that
many organizations are carrying many organizations are carrying on ag-
gressive work along lines which might be made generally helpful, but which we have not heard of.
This meeting has a greater significance This meeting has a greater signifcance
than the summing up of our accomplish-
ments during the past year or a review
f lost opportunities for doing good; it
an occasion for putting new life into ar work, with its possibilities and responsibilities of the individual woman to accomplish some work yet unattempted or undone in her home, in her town, in
her country, in her Province, in her na tion, or in her Empire. Let us have a passion for carrying from one end of
society to the other, the best knowledge best ideas of our time
The Roundabout Club
Work of Oup Literapy Society. RESULTS, STUDY
After three years of excellent work on
behalf of the students of the Literary Club feel justified in looking for exce lence. In the essays received upon the subjects set for Study I. Ior this season,
they have not been disappointed. ticularly in the subject, "A Walk Through a Weedy Field in Late Fall,' did our students-at least the majority tion, and our only regret the sugges prize list must of necessity be restricted The prizewinners are: "R. H. C.."
York Co., Ont.; "Rue," Welland Co., Ont.; S. Hunter, Halton Co., Ont
"Plough Boy." Middlesex Co., Ont.; W. J. Way, Kent Co., Ont.; Sherard Mc-
Leay, Perth Co., Ont. Honor Roll.-Bernice, Bruce Co., Ont.
S. V. McGregor, Halton Co, Ont. Mrs T. P. Kerr, Prescott Co., Ont.: Honor
Bright, Halton Co., Ont.; "Betsy,"
Wentworth Co. Ont., Huron Co., Ont.; M. F. Hall; L. M. C., ford Co., Ont.; "Nanie," Middlesex Co
Ont.; A. F. Prince Edward Co M. L. B., OXford Co., Ont.; Zetta Pat-
terson, Wentworth Co., Ont. J. W W. Thompson, Gray Co., Ont.
of these, the first two came "perilously" close to winning a prize. We
were particularly pleased with Bernice's observation in regard to the interest with which the weed-grown field is in-
vested to the botanist (Query-Why vested to the botanist (Query-Why
should not every farmer be, to some extent,
child,-so pleased that we cannot refrain from quoting: "Those sturdy little abonds that they are, hated and berated by every ambitious husbandman, have one-nay, two friends among humans,
viz., the botanist and the little child. To the former, each leaf, stem, and
curving petal of the meanest weed that grows, holds a tiny world of interest all
its own, and in silent communion with these growing things-of plebeian birth
though they be-he passes and calls them golden.
The child-with fine contempt for all The child-with fine contempt
class distinctions-calls a flower a flower,
and loves it accordingly and loves it accordingly, whether it
grows upon a dandelion stock or the
choicest orchid shrub. So to the child.
a field of weeds has pleasures undreamed
of in the philosophy of the average of in the philosophy of the average
passer-by. What knows the real-estate imaginary fairies from behind mulleinstocks ?
Or what mathematician could compute conjures up scenes in which the given objects may figure to advantage? Why, in a twinkling, the rather disreputable-
looking stubble of what doubtless Tooking stubble of what doubtless was a soldiers of stern and relentless mien, the stant ones ready and willing to do inthe fallen ones have, of course, cone to grief in the same worthy cause. The
old stone-pile as such imposing structures should be;-the tall elms over on the knoll there are forts high and mighty; while the stream
forms the line of demarcation between the enemy's country and the home To S. V. MacGregor we would suggest, Why not next spring, nay, this very win-
ter, begin the study of trees, shrubs and plants? Y'ou speak of the "tall, stringy weeds" upon which you "rush," and y
cry, "Oh, for a technical knowledge cry, "Oh, for a technical knowledge to
correctly classify them, for I find myself.
so woefully imnorant !"

DECEMBER 28, 1911
THE FARMER'S ADVOCATE
mission is a good sign. Believe us, you
have it in you to become an enthusiastic have it in you to become an enthusiastic
botanist, and-believe us again-you have botanist, and-believe us again-you have
no idea of the interest with which even
a slight knowledge of botany can invest even a weedy field. The more you know the more you SEE. A farmer whom we know, a year or so ago purchased one of
the fine books on weeds, issued by the Coy ernment at Ottawa, at the ridiculouslylow price of $\$ 1.00$. After ia few weeks
study of it, he declared study of it, he declared that he saw
"hundreds", of weeds on his farm which
he had never he had never even noticed there before.
You can understand the practical benefit, You can understand the practical benefeit,
as well as the new interest which came roum the revelation. SEEING the welieve that every farmer in Canada should own one of these books. Your essay was well thought out, and
well written, Miss McGregor Well written, Miss McGregor. We trus
that it will not be your "last, as well as your "first." We look forward to
seeing you one of our most energetic seeing you one of our most energetic
students. students.
In closing, may we add a few general hints to the students of the Roundabou
Club ? 1. Do not change your pen-name if
you can avoid it. Doing so causes confusion in the office here. If you are choosing a pen-name for the first time,
let it be a distinctive one. A "telling' pen-name invests its owner with a sort of personality and distinctiveness utterly
lost, perhaps. by such cognomens as "A lost, perhaps. by such cognomens as "A
Farmer's Daughter," R. E. N." 2. Remember that your essay cannot,
like Tennyson's Brook, "go on and on for ever," and do not lose too much
time in coming to your subject time in coming to your subject. $\begin{gathered}\text { We } \\ \text { have occasionally received essays in this }\end{gathered}, 0$ res. have occasionally received essays in this
office whose introductory paragraphs about "the tail wagging homely adage
3. Avoid bombastic, grandiloquent and over-flowery writing as you would the plag'le.
4. .
Try express your thoughts sim
ply and enerally statement, and obscure writing 5. Never use expressibly tiresome. short one will answer. This where a hivariably cobserved by the best writers.
6. Do not forget that must be given worget that full address Sent to the Roundabout Club. "The Roundabout clubmunications Advocate," London, Ont.
A Walk' Through a Weedy Field (By "Rue," Welland Co., This afternoon I started earlier for the visit the " "five ofaks". field, which I mies be yond the pasture. Gloomy skies and chill winds don't encourage much loiter-
ing out of dors: were ing out of doors; -were I a city dame I speed away to some "bridge" party Oh, well, the city dame has some advantages which I may envy, but even on
this November day I shall get more pleasure out of my tramp across the fields than "bridge", could yield me. I cross the pasture and enter the oaks." The field was seeded with lucatch, and having grown up with a poor will have to be plowed and seeded again. Along the brook which crosses the cor ner of the field, I see the pale yellow of two or three ox-eye daisies. sistent they are; cut by the mower pelore they had ripened seed, they, though gling to fulfil their object in still strugther over, toward the oaks, were several stalks of chicory-the only ones on the farm-and Robert dug them up with a holesck, yet at the bottom of the same variety of chicory. which is used to adulterate coffee ? I don't see how one of the neighbors who has much
it, calls it "blue devil."
of what Bud of calls it "blue devil.". has much of reminds me
of what Bud Means, in It Schoolmaster,"" said in the "Hoosier
"When Bull once "When Rull once takes hold, heaven dog.
earth can't make him let Close to the fence let go." is a patch of "paint-brush." It was a really beautiful paint-brush." It was a summer, but now only the rosettes of hairy leaves are to be seen.
I seat myself on the rail fence- $r^{\prime} m$ I seat myself on the rail fence-r'm
glad there are a few old rail fences yet-
and survey the fater and survey the familiar scene. At my
left is the brook herdied left is the brook, bordered by shrubs of
various kinds, the wild crab apple, whose various kinds, the wild crab apple, whose
blossoms were a dream of heauty blossoms were a dream of beauty and
fragrance, the button ball in the bed of the stream, the fringe of hawthorn farther on; the turkeys have profited by the crimson frtbit, but a few bright berries
still cling to the leafless branches pine bends over the steep western bank; beside it stand a few maples now demure and gray. The pods of the milkweed
are nearly all empty. the vivirly all empreen of the patches of cldver mottled and barred with the dullness of
dead andeed, dead ragweed, resolve themselves into
continents, islands, peninsulas continents, islands, peninsulas.
On the other side of the On the other side of the fence are
numerous brown stalks of wild carrot those who don't have to wage unceasing war against it, call it by the not inap-
propriate name of "'Queen Anne's lace." We have none of it-yet. If resignation is the feeling with which we bear our neighbor's misfortunes, that is probably the reason why those brown stalks ofhorn at my feet. Years ago, this field was overrun with thistles-there are very Do now,-which is an encouraging fact.
Do fashions change in weeds? The Do fashions change in weeds? The
mullein also has "cgone out." A squirrel rustles across the leaves
and runs up the tree beside me. I cross and runs up the tree besides me. Ine I cross
the field again thinking how much better this gloomy. weather or the dim haze of
Indian summer harmonizes with the soher
colors of the season than would the bright sunshine of June. I roll mysel ing around by the gate, start the go down the lane, and fall to meditations ranging from the primal curse of "thorns
also, and thistles shall it bring to the remarks in last week's paper on the eradication of bindweed, and pausing by the way at Job's imprecation, Let thistles grow instead of wheat, and
cockles instead of barley," and the stor "ckles instead of barley," and the story
of the tares sowed by the enemy among the wheat. It wasn't an enemy who sowed that field with weeds; some came by acciden+, some through carelessness, none through ill intention. Some, early
recognized, have been kept in check, if not eradicated. Others have stolen a march and intrenched themselves so securely that our only hope of subduing
them is to "lay waste the country." Some-like the chicory-may be valuable in their own places, but, alas, when
they get into hey get into others' places ! Rev.
Carden was such, a good moral Carden was such, a good moral man,
who would have been most useful as mo would have been most useful as a of his sphere as a preacher; and that. physician who might better have been educated as a woodchopper. I step
aside to start a loitering cow, then resume my musings. That paint-brush was really pretty. Is it like that neighbor who is so given to exaggera-
tion? His stories are most picturesque tion? His stories are most picturesque
and amusing, but they do occasionally cross the line into untruthfulness. If there had been a good stand of clover never have got a start; the application of this fact in the field of mbrals is obvious.
These "bootjacks" on my clothes came What the low land along the brook.
What winderful ways seeds have of spreading themselves, and what vitality
some weeds have; some of them cut at some weeds have; some of them cut at midday are like the snakes' tails which


Hills of the Saguenay
Royal Canadian Academy Exhibition, 1911.

## Our NewSerial Story

THE SCARLET PIMPERNEL.

story of adventure.

By Baroness Orcz
(Serial rights secured by "' The Farmer' Advocate."
CHAPTER I.
Paris : September, 1792
A surging, seething, murmuring crowd, or to the eye and ear they seem no nauge,
for sath
but savage creatures animated but savage creatures, animated by vile passions and by the lust of vengeance
and of hate. The hour, some little time and of hate. The hour, some little time
before sunset, and the place, the west
Barricade, Barriceade, at the very spot where, a de
cade later, a proud tyre cade later, a proud tyraint raised an un-
dying monument to the nation's glory nd his own vanit
During the greater part of the day
the guillotine had been kept the guillotine had been kept busy at its
ghastly work: all that France had boasted work : all that France had cient names, and blue blood, had paid
toll to her desire for liberty toll to her desire for liberty and for
fraternity. The carnage had only ceased fraternity. The carnage had only ceased
at this late, hour of the day because
there were other there were other more interesting sights lor the people to witness, a little while
before the final closing of the barricades before the final
for the night.
And so the crowd rushed away from the Place de la Grève and made for the
various barricades in order this interesting and amusing sight. It was to be seen' every day, for those aristos were such fools ! They were
traitors to the people of course all ot them, men, women, and children, who happened to be descendants of the great
men who since the Crusades had made the glory of France : her old noblesse
Their ancestors had oppressed the people had crushed them under the scarlet heels of their dainty buckled shoes, and now the people had become the rulers of
France and crushed their former master -not beneath their heel, for they went shoeless mostly in these days-but be neath a more effectual weight, the knife
of the guillotine. And daily, hourly, the hideous instrument of torture claimed its many vic.
tims-old men, young women, tiny chil-tims-old men, young women, tiny chil- catch

Sometimes Bibot would let his prey
actually out by the gates, allowing him
to think for the space of two minutes at least that he really had escaped on reach the coast of England in safet reach the coast of England in safety
but Bibot would let the unfortunat wretch walk about ten mètres towards
the open country, then he would send
two men after him and hring him

amy demand the head of a King ain But this was as it it should be : were not the people now the rulers of France?

Every aristocrat was a traitor, as his ancestors had been before him : for two hundred years now the people had sweated, and toiled, and starved, to keep a
lustful court in lavish extravagance the descendants of those who had helped to make those courts brilliant had to hide for their lives-to fly, il they wished
to avoid the tardy vengeance to avo
people.
And they did try to hide, and tried whole thing. Fvery afternoon hefore the gates in cosed and the market carts went
out in procession by the various barricades, some fool of an aristo endeavored
to evade the clutches of the Committee to evade the clutches of the Committee
of Public Safety. In various disguises, under various pretexts, they tried to slip grough the barriers which were so well
gy citizen soldiers of the Republic. Men in women's clothes, women
in male attire, children disguised in in male attire, children disguised in beg-
gars' $^{\prime}$ rags : there were some of all sorts : ci-devant counts, marquises, even
dukes, who wanted to fly from France, dukes, who wanted to fly from France,
reach England or some other equally ac-
cursed country and there cursed country, and there try to rouse
foreign feeling achaty acforeign feeling against the glorivus Revolution, or to raise an army in order to
liberate the wretched prisoners in iiberate the wretched prisoners in the
Temple, who had once called themselves sovereigns of France.
But they were nearly always caught at
the barricades.
ly barricades. Sergeant Bibot especial-
yo at the West Gate had a wonderful
nose for scenting an aristo in the most perfect disguise. Then, of course, the
fun began. Bibot would look at his fun began. Bibot would look at his
prey as a cat looks upon the mouse prey as a cat looks upon the mouse,
play with him. sometimes for quite a quarter of an hour, pretend to be hood-
winked by the disguise winked by the disguise, by the wigs and
other bits of theatrical make-w Other bits of theatrical make-up which
hid the identity of a ci-devant noble marquise or count.
Oh! Bibot had a keen sense of humor, and it was well worth hanging round that West Barricade, in order to see nim
catch an aristo in the very act of try-
ing to flee from the vengeance of the
stripped of his disguise.
Oh! that was extremely funny, for as often as not the fugitive would prove
to be a woman, some proud narchioness, who looked terribly comical when she found herself in Bibot's clutches after all, and knew that a summary
trial would await her the next doy and after that, the fond embrace of Madame la Guillotine.
in September that on this fine afternoon in September the crowd round Bibot's
gate was eager and excited. The lust gate was eager and excited. The lust
of blood grows with its satisfaction, there is no satiety: the crowd had seen a hundred noble heads fall beneath the
guillotine to-day, it wanted to make guillotine to-day, it wanted to make
sure that it would see another hundred fall on the morrow.
Bibot was sitting on an overturned and empty cask close by the gate of the
barricade; a small detachment of citoye saldiears a sas unall detachment of citoyen
sold his command. The work had been very hot lately. Those
cursed aristos were becoming cursed aristos were becoming terrified
and tried their hardest to slip and tried their hardest to slip out of
Paris : men, women and children, whos ancestors, even in remutg ages, had
served those traitorous served those traitorous Bourbons, had
all traitors themselves and right for the guillotine. Every day Bibot had had the satisiaction of unmasking some
fugitive royalists and fugitive royalists and sending them back
to be tried by the Committee or Safety, presided over by that good Safety,
patriot, Citosided oven boucquier-Tinville, good Robespierre and Danton both had com-
mended Bibot for his was prour of the fact that he on his own initiative had sent at least fift But to-day all the sergeants in coll mand at the various barricades had ha
special orders. Recently a very number of aristos had succeeded in escap ing out of France and in reaching Eng land safely. There were curious rumor
about these escapes; they had very frequent and singularly daring: the people's minds were becoming strangely
excited about it excited about it all. Sergeant Grospierre had been sent to the guillotine
for allowing $a$ whole family of aristos for allowing a whole family of aristos
o slip out of the North Gate under


Girl and Cow

It was asserted that these escap,
were organized by a band of Englisit men, whose daring seemed to be unp:
alleled, and who, from sheor alleled, and who, from sheer desire
neddle in what did not concern the spent their spare time in snatching awn lawful victims destined for Madame cuillotine. These rumors soon grew
extravagance; there was no doubt tha this band of meddlesome Englishmen di exist; moreover, they seemed to be under the leadership ot a man whose pluck and audacity were almost fabulous. Strang.
stories were afloat of how he and thpse aristos whom he rescued became suddeninvisible as they reached the barri-

cades and escaped out of sheer supernatural agency the gates by | No |
| :---: |
| Engli |

No one had seen these mysterious
Englishmen ; as for their leader, he was ever spoken of, save with a superstitious shudder. Citoyen Foucquier-Tin-
ville would in the course of the ceive a scrap of paper from some myserious source; sometimes he would find it would be handed to him th others in the crowd, whilst he was on his way o the sitting of the Committee of Pubic Safety. The paper always contained some Englishmen were at work, meddle was always signed with a device drawn in red-a little star-shaped flower, which we in England call the Scarlet Pimperof this impudent notice, the citoyens of hear that so of Public Safety would hear that so many royalists and aristocrats had succeeded in reaching the coast
and were on their way to England and The afety. doubled, the sergeants in caras had been been threatened with death, whilst hideral rewards were offered for the capture of these daring and impudent
Englishmen. thousand francs promised to the man Who laid hands on the mysterious and Everyone felt that Bibot would be that take firm root in everybody's bind so, day after day, people came to watch him at the West Gate, so as to be presaristo who perhaps might be accompanied by that mysterious Englishman.
" Bah !" he said to poral, "Citoyen Grospierre was a corHad it been me now, at that North
Gate Gate last week
express his contempt on the ground to happen, citoyen ... ased the corporal.
"Grospierre was at the gate, keeping "Grospierre was at the gate, keeping
good watch,", began Bibot, pompously,
as the crowd closed in round nim, list tening eagerly to his narrative. "We've all heard of this meddlesome English-
man, this accursed Scarlet Pimpernel He won't get through my gate, morbleu! unsese he be the devil himself?
But Grospierre was a fool But Grospierre was a fool. The market
carts were going through carts were going through the gates ;
there was one laden with casks, driven by an old man, with $a$ boy be
side him side him. Grospierre was a bit drunk, but he thought himself very clever; he
looked into the casks-most of them, least-and saw they were empty, and let the cart go through.
round the group of ill-clad wretches went round the group of ill-clad
crowded round Citoyen Bih sergeant, ""up comater," continued the sergeant, "up comes a captain of the
guard with a squad of some dozen sol-
diers diers with him. Has a cart golthrough ?' he asks of Grospierre, breath-
lessly. lessly. 'Yes.' says Grospierre, 'not hall
an hour ago.' And you have escape,.' shouts 'And you have let them 'You'll go to the guillotine for this, citoyen sergeant I that cart held con-
cealed the ci-devant Duc de Chalis and cealed the ci-devant Duc, de Chalis and
all his family!' 'What !' thundes Grat vierre, aghast.' 'What !' thunders Groowas none other than that cursed Englishman, the Scarlet Pimpernel.'"
A howl of exccration Citoyen Grospecration greeted this tale.
der had paid for his blunder on the guillotine, but what a fool Bihot was langhing so much at his he could that it was some time hefore $2=-2$

Hope's Quiet Hour.
Where is Your Treasure? Lay not up for yourselves treasures
upone earth ... but lay up for your selves treasures in heaven ....... for
where your treasure is, there will your These solemn words have searched the hearts of men for nearly two thousand
years, and yet they are as fresh and full of living fre as when they were firs
spoken on that mountain in Palestine spacen of us must stand alone before GodHe does not examine us in crowds-and
answer honostly the question: "Where is your treasure?" For many years wo or treasure in heaven; wherever our eager we care most about earthly successriches, fame, admiration, respect, or
pleasure-then we have been busily lay ing up treasure on earth. If we care nost about holiness, about pleasing God we ha
heaven. It is an easy thing to deceive our-
selves in this tremendously important matter. The question is not so much
what we are doing, but why we are doing it-though, of course, our acts are very important, too. Our Lord has
warned us that righteousness, done "before men, to be seen of them, is passed
over by God as unworthy of His atten-
tion. Those who give alms, pray, or tion. Those who give alms, pray, or
fast, with the secret desire of winning the approval of men, receive the reward
they are looking for, the reward they want. But they are throwing away the
treasure in heaven for the sake of earth treasure in heaven for the sake of earth-
ly treasure, which does not really satisfy a soul hungry for real righteousness, and which perishes in the using. We abhore hyprocrisy, looking down with lofty con-
tempt on anyone who makes a pretence tempt on anyone who makes a pretence
of being good in order to serve his own
ends-let us make sure that we don't live in glass houses ourselves before we
throw stones throw stones at hypocrites.
In Henry Van Dyke's new book, "The Mansion,"' is described a man who had
spent his life in busily laying up treas ure on earch; while all the time he im
agined he was laying up treasure in heaven. His life was crowded with
deeds that seemed to himself to be good and he admired himself so intensely that
he naturally thought Good would admire he naturally thought Göd would admire
him, too. He indulged in no vices-
nothing that could open his eyes to his own simpleness was allowed any place in
his life. He was a rich man, and gave was really a gift to himself-an investways looking out for the return to him-
self of any bread which he cast upon the waters. Nothing bestowed in "charity"
was considered to be wasted if it re-
dounded to his own credit, but he was dounded to his own credit, but he was
doubtful about money given to Foreign
Missions, because, he said, "you never Missions, because, he said, "you, never
hear from it in any definite way." He God's hand, for Him to use for the spread of Christianity-he had no con-
fidence that funds committed to God's
care were in safe hands. His boast care were in sate hands. His boast
was: "I can honestly say that there
is not one of my charities that has not brought me in a good return, either in
the increase of influence, the building up
of credit, or the association with subof credit, or the association with sub-
stantial penple."
One evening he was sitting beside his Iibrary table, on which was a pile of
newspaper clippings in which his name
was mentioned in connection with variwas menhritable associations. Falling
ous chate
asleep, he dreamed that he was in the midst of a white-robed company of men,
who were led by a mysterious Guide,
each to his own beautiful mansion in the New Jerusalem. When the dreamer
begged to be shown the mansion pre-
$\qquad$
$\qquad$
$\qquad$ faded in its harren field, and seemed t,
cling only by suffrance to the edge o the splendid city."
When he pleaded that there must be a


| If we cculd only learn to believe it, we are really unharmed by men's blame, and gain very little by their praise. Let us all try to care so much for God's approval that the love of the world will be crowded more and more out of our hearts. Let us act on the poet's advice : <br> " By thine own soul's law learn to live; And if men thwart thee, take no heed, And if men hate thee, have no careSing thou thy song, and do thy deed; Hope thou thy hope, and pray thy prayer, And claim no crown they will not give." <br> DORI FARNCOMB. <br> "The world is full of Judgment Days, and into every assembly that a man enters, in every action he attempts, he is gauged and stamped "-Emerson. | Work of Our Literary Society. <br> (Continued from page 2161.) <br> we used to believe didn't die till sundown. And how brave those daisies are -one must admire fine qualities even in an enemy-to start again after being cut and put forth a few blossoms under these gray skies. But the cows turn into the yard, and with a lingering look to the west, where the clouds show a golden edge, I close the gate, regretful that there won't be many more trips to pasture this year. <br> Welland Co., Ont. <br> You write easily and well, Rue,-sometimes even picturesquely. Your moralizing, too, is not carried to the verge of the tiresome, a precipice over which the moralizing species is usually in danger | of falling. We have enjoyed your little sketch very much. <br> A Walk Through a Weedy Field in Late Fall. <br> (By R. H. C., York Co., Ont.) <br> 'Tis Saturday evening, and, with the week's work satisfactorily accomplished, I am enjoying a brief period of rest; real rest that means a relaxation both mentally and physically. At last, tired of thinking of nothing in particular, my mind turns back to this afternoon's halfholiday, and I again go over my experiences of the day that is past, and which can never return. <br> This afternoon I decided to take a stroll as it was an almost perfect day, one of those rare autumn days that you read about. The sun shining brightly, or at least doing its best, for the air is filled with a sort of haze that prois filled with a sort of haze that pro- | claims it a day in Indian summer; very little breeze blowing, and the freshlyplowed land sending forth a sort of steam after the recent frost,-all helps to steam alter the recent rost,-all helps this Saturday afternoon one that a poet would rave over and call queer names, or names that seem queer and foreign to an ordinary mortal. <br> Armed with nothing more formidable than a camera, I set out for the distant woods with the sluggish stream flowing through it on its way to the lake, and then on to the great and mysterious ocean, with notebook and pencil in one pocket, a small portfolio with sheets of blotting paper between its covers in another capacious pocket, and a formidable other. My inseparable companion, my camera, I have said, for perchance I might find an inquisitive squirrel or blue jay that will be quiet until I can |
| :---: | :---: | :---: | :---: |



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tub than there is for the busy larmer to


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## have in getting rid of al <br> Over a little farther I came

 tump of milkweeds clustered around The pods were ripe, and flew open whe seeds with their white sails. the brow on, treading on plants of chickweed, the emains of plants that had been nob specimens of lamb's quarters. Herealso found specimens of lady's thu and came presently to the mulleins had noticed before starting across th field. Hers were also noticed some nobl
specimens of the burdock family, hiding a huge boulder around which the were growing. Near the far fence I
came to the bulrushes, whose yellow eaves and brown seedstocks could
seen from the fence. Passing this swampy spot and walking along th
fence for a short distance I came in contact with various burs,-blue bur hound's tongue, and pitchforks, a I got up on the fence near a clum goldenrod, once showing golden in
sunshine, but now ripe and feathery, sunshine, but now ripe and feathery, an
proceeded to rid myself of my unwe
come visitors.
As I passed on into the woods I mused on the shiftlessness of this farmer in al lowing so many weeds to go to see
every year and to get such a firm hold on the land but the sight of a squirre banished all thoughts of weeds from my mind, and I proceeded to stalk the litul
red chap in hopes of getting him in range of my camera.

## York Co., Ont

The dragon that you will have to figh
in essay-writing, R. H. C., is a tendency to repeat the same word, to the extent
of making it noticeably disagreeable-as regards the harmony of the composition To tell the truth, before permitting your to eliminate many of these words. Do not forget, please, that, unless purpose
ly, for the sake of emphasis, a word must not be repeated more frequently
than necessary.
On the other hand, we have been able On the other hand, we have been able
to give you great credit on the score of
observation. You took your observation. You took your walk
you used your eyes, you managed
to get out get a good deal of pleasur
out of the experience, and you wrote
very creditable essay about it all very creditable essay about it all. Wo
have an idea that you are one of thos
who find much to interest and please the rural life. Have you read Joh
Burroughs' essays, and Thoreau' " Bu A Walk Through a Weedy Field A Walk Through a Weedy Field (By S. Hunter, Halton Co\%, Ont.)
All the small patches of snow that
lately lingered along the fences and lately lingered along the fences and in
little hollows among the fallen leaves
marking the footsteps marking the footsteps of Squaw winte
on his annual passage, had disappeared And this morning the sun's raps, vain-
ly striving to fierce the orange and ly striving to Fierce the orange and
golden haze that intervened between him
and the weedy field, plainly indicated and the weedy field, plainly indicate
that Indian summer was close on the
trail Pause just a moment before entering
and behold ! the field-glorified, veiled and behold ! the field-glorified, veiled
gossamer, bespangled with glistening glitering diamponds ! with glistening
From this field a crop of late oats ha
been harvested, and the rew been harvested, and the growth is shar
and uniform in height. Upheld by sti
Und blooming mouse-ear and field chickweed
cudweed, sorrel, mustards, and she herd's purse, are innumerable webs of
small spiders-inhatitants of the upper
air-which, becoming heavy during the
nifht by moisture collecting upon their night by moisture collecting upon the
slender threads, have fallen, forming ov
the level surface a complete covering. Through the delicate gauze can be see
an occasional soft, velvet leaf of mullein
yellow spots here and there belray presence of a late dandelion, or of of dauntless sow thistle, stunted, dwartec
yet persistently striving to perpetuat
it Here a patch of ground - mallow show
green and lusty, and we know that hit den beneath the foliage the pretty flow ers are numerous. There, Mayweed
yarrow, cockle, and different members
the crowfoot family

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 Evergreen Stock Farm offrrs a chcice lo


##  PERFECTION COCOA <br> COWHN'S





## Saves your Eyesight

You know how much easier it is to read by daylight
than by lamplight, gaslight or electric light, even though these artificial lights are just as bright.
That's because they are not white lights, like sunlight,
but contain too many red and yellow rays Acetylene is a whito ght - nearer to sunlight
han any other
Highting system known. You can read Acetylene with little, if any, more fatigue than by daying. By Acetylene you can match colors,
or enjoy the beauties of flowers or paintings, just as well as by day light.
And you can have Acetylene lighting in your
home, at a cost lower, for equal illuminination, than home, at acostlower, lior equal easminaton, than any house. Write and we'll tell toan you ho
ant particulars as to cost and advantages.
full


## ACETYLENE CONSTRUCTION CO., LIMITED

 604 POWER BLDG., MONTREALGreatest Hosiery Value Ever Offered! 6 Pairs of Holeproof Hose Guaranteed Six Months!

Why accept ordinary hosiery, the kind that wears ut in a few days, when "Holeproof," six pairs guar anteed six months, cost not a penny more? Save all the darning you do now. Have whole hose to wear all the time. Your dealer probably has Holeproor. If not, send. to us and we'll ship direct. We'll send a guarantee ticket with
every six pairs, insuring new hose free to replace any
pairs that wear out.

## Holeprionfousery



GLYOESDALES - Stallions and Fillies - Imporied
All ages and sizes up to a ton, good colors and best of breedig.
DAT,GRTY
FRASER HOUSE


## I35 Registered Holsteins <br> BY AUCTION

On Tuesday, January 2nd, I912 in the Roller Rink, tillsonburg, ont.

The Southern Ontario Consignment Holstein Sale Co. will hold their Annual Big Auction Sale of ${ }^{2} 35$ Head of HighClass Registered Holstein Cattle.


They are Record of Merit Cows, Record or Performance Cows, Cham-
pion and other Winners in Public Tests pion and of Record of Merit and Performance Cows. whuse reans and from 27.5 lbs of butter in 7 days to 20,000 lbs. of milk in one year, some of
them with three them with three and four dams carrying the above records. The thighest
class lot of Cattle ever offered by Auction in Canada. Consigned by such clas lot of Cattle ever offered by Auction in Canada. Conigned by such
renowned breeders a . E. Lialdaw \& Sonss Aylmer ; T. W. McQueen, Spring. renowned breeders a. Haley, Springford; James Rettie, Norwich; R. W.
ford; M. L. \& M. H. Hale Kelly, Tillsonburg, and Geo. Rice, Tillsonburg.
A special train will leave Sta
A special train will leave Stratford at $7.40 \mathrm{a} . \mathrm{m}$. and Woodstock at $8 \mathrm{a} . \mathrm{m}$.
on day of sale. The consigners of this sale are among the most reliable breeders in
Canada, whose reputptions are unimpeachable, and everything will be Stricty right. COL. D. L. PERRY, Columbus, nhio

M. L. HALEY, Springford P.O., Ontario
turned to Mr. Atkinson with the news
that the right one had been tound-w.
litule follo litule fellow who hadn't had a quarter
of a chance".-
ona orphan and a criple. One can imagine the great day when the litte cripple arrived,-the two hun-
dred eager lads all assembled trom their dred eager lads all assembled from their
various homes for the occasion, the tinstitute building all, perhaps, in festive array, the awkward yet not less sincere
greetinge of the boys to this little new greetings of the boys to this little new
arrival, who was to be, for $a$ arrival, who was to be, for a while,
their very own, clothed, boarded, and sent to school by them.
Hencelorth, at any time, Little Scott, Henceforth. at any time, Little Scoty
might be seen stumping about the Instimight be seen stumping about the Insti-
tute building and grounds on his little
crutche crutches. On foot-ball nights, the big
boys would carry him on their shoulders to see the games. oh, but Scotty had
come to a royal way of living 1-And the come to a royal way of living !-And the
boys had come to a royal way of serving. As chiristmas drew near last year,
Scotty was very much interested. Scoty was very much interested. Ho
had never neard of Santa Claus before this year he was hearing a great deal about him. He was a little suspicious,
too, but at last, on the night too, but at last, on the night before
Christmas, coneluded, on rick Christmas, coneluded, on risk, to hang
up his two little stockings in the hall up-stairs.
After he had gone to bed there was a high revel dcwnstairs. One room with
a big fireplace in it had been set aside for Scoty's presents. Boys arrived, and yet more Lossese all carrying boxes and parcels containing
good things to eat. $\begin{aligned} & \text { clotes, toys, and } \\ & \text { Big cloth stocking }\end{aligned}$ good things to eat. Big cloth stockings
a yard or more long had been made, and these were hung across the freplace, and filled to bulging. Presents were,
likewise, displayed on the table likewise, displayed on the table, and at
every other point of vantage.- - Then the every other point of vanage.-Then and
young monkt ys slipped up-stairs and filled the two little stockings with potatoes and shavings.
Next morning
Next morning, long before daylight,
Little Scotty got up and stumped outt on an investigation trip. stumped out He turned out everything down to the toe of his
two lonely little "socks," then started two lonely little "socks," then started
back to his little bed, muttering that he "had never believed in that Santa claus $\underset{\substack{\text { yarn anyway } \\ \text { Down in }}}{\text { Dos. }}$
Down in the hall below, early as it
was. a number of the boys had already was.
arrived, and were keeping quiet as mice. arrivea, ana wer heet Mr. Atkinson was
We may bo sure then
not far away. When Scotty started ofi, not far away. When Scotty started off,
the chorus arose "Come down here, Scotty I Santa Claus left the things
down here for yount," Down came Scotty, almost breaking his
little legs in his hurry to yet down the iittle legs in his hurry to get down the
stairs.
The The boys took him
he stood stirl, dazed.
"See ! They'receal for you, Scotty!"
said the delichrted hows said the delighted boys. "All for-me?" repeated the little lad.
"an
 And then-the ligitle mand just hobbled
over to the table, put his head down on over to the table, put his head down on
it, and sobbed aloud.
,The rest of as were crying, too,", said Mr Ae rest of us were erying, too", said
Mre Akinson, wut we weren't feeling
very badly. we very badly. We just couldn't help it.
Vowa did yo ever hear a sweeter
Christmas story than this true one East Toronto?
Re Quilt Patterns. The quilt patterns so kindly sent us by
various friends will appear next time. various rriends will appear next time.
am sorry they had to be held out so many weeks, but there will still be be
long winter ahead for quilt-making.

## Furnishing a Parlor

 Dear Dame Durden,-I have enjoyerCeading the letters in the Ingle Nook reading the leters in the Ingle Nook to
a long time, and now I come to you to some
parlor. The rom is large, and has windon
in the south and east. The walls a
ond lorder in olive green. I have det
cream net curtains
for the sash curtains? What colors would hene an oilve-green rug, to match the
stencilling, or a ruy in oriental pattern with touches of olivegreen. A brown
and green, or blue and green rug, would
also do very well
Thera hando very well. There are very that are used for furniture covering.
Have the shade tone with the hant shade in your rug. Many people simply wax and polish with time. Coorgia pine; it you grows darker
will not go for
a will not go far astray if you choose one
of the wood-browns, rather darc in tone
$\qquad$ Dear Ingie Nook Folk, -An Ingle Nook
feader of Essex Co., Ont., asked for a recipe for plum pudding. $t$ am sending
recipe for carrot pudding Coxpensived sugar, 1 cip suet, 1 cup raisins, 1 cup currants, ${ }^{1}$ cup grated potato, 1 cup carrot 1 teanspoon soda. Steam or I take a qreat deal of pleasure reading
"The Farmures Advocate," and I also
and get many helpul hints.
AN ONAP ORO FARMER'S DAUGHTER. Many thanks for the recipe. Did you see the directions for making a fascinator
given by A A Farmer's
Daughterc recent Inglo Nook? As they appeared Cently, we do not re,
$\qquad$ Can you tell me anything about the effect of Saxolite on the skin? Is it
harmless or harmful? den. I want some information about putting down sausage-meat for summer and pouring lard over it. How late in he season will it keep so ? Thanking sou for many helpful suggestions.
"HELENOS." $\underset{\substack{\text { Brant Co., Ont. } \\ \text { Evident }}}{\text { R }}$ Evidently the clipping is an advertise-
ment. I know nothing of Saxolite, so cannot inform you on this question.
The following recipe for making saus. ages is taken trom my notebook: For chopped fine mix together and pork ounces best black pepper, 1 teaspoon dered sagepper, and a handul of powSausage for winter use may be packed ing stone crocks with two inches of boilpacked in cun over itean muslin bags, it may be biped in
palted lard melted lard and hung in a cool place. For summer use it may be canned. Make
into small cakes and cook about twoChirds enough for the table, or until the water them full Pack while hot into cans,
fill
at once. When lard, and seal at once. When conked next summer, it
will be more delicate it all the fat is coured of arter it is fried, and a little
cream poured over it and boiled a $m$.


OECEMBER 28, 191

The Scarlet Pimpernel.
The Scarlet Pimpernel.
(Continued from page 2162.) momber the reward, atter therr, they
cannot have gone far !
And with that cannot have gone tar And with that
he rushes though the gate, followed by
his dozen soldiers, his dozen soldiers."' " But it was too late !" shonted the
crowd exictelly. " They never got them !"
. Curse that Grospierre tor his folly !", ". He deserved dis fate e, ",
Fancy not examining those casks "Fancy,
$\begin{gathered}\text { properly } \\ \text { But }\end{gathered}$ the
properly these sallies seemed to amuse
But ton
Citoyen Bibot excedingly; he laughed until his sides exceecingly; he haud. and the tears
utreamed down his treamed down his creeks.
" Nay, nay !", he said at
Nay, nay! he siad at last, "thoser
aristos weren't in the cart: the triver
vas not the Scarlet tine was not the Scarlet Pimpernel! ", "what $2^{\text {" }}$ "No! The captain of the guard was everyone of his soldiers aristos !" The crowd this time said nothing : the
story certainly savoured of the superstory artaind savoured of the super
natural, and though the Republic abolished God, it had not nepubtic succead-
ed in killing the fear of the supernat. ed in killing the fear of the supernat-
ural in the hearts of the people Truly ural in the hearts of the people. Truly
that Englishman must be the devil himselt. The sun was sinking low down in the west. Bibot prepared himself to clos
the gates. "En avant the carts," he said.
Some dozen covered carts were up in a row, reared to crits were drawn town, in country close hy, for market the next morning. They were mostly well known twice every day on their way to and tron the town. He smake to one or two
of their drivers-mostly women-and was

THE FARMER'S ADVOCATE
at great pains to examine the inside of
the carts. "You never know," he mould say, "and Grospierre," ally spent their day on the Parte de le las Greve, beneath the platorm or the gail
Iotine, knitting and gossiping, whilst Chey watched the rows of tumbrils arriv
ing with the victims the Reicm ror claimed every day. It was grean fun to see the aristos arriving for the reception of Madame la Guillotine, and
the places close by the platiorm wed very much sought after. the day, had been on duty on the
Place. He recognized most of the old hags, "tricotteuses," as they were called,
who sat there and knitted, whilst head they themselves got quite bespattered With the blood of those cursed aristos.
.He! la mere ", said Bibot to one of these horrible hags, "what have you got He had seen her earlier in the day,
with her kniting and the whip of her
cart close beside her. cart close beside her. Now she had fas
tened a row of curly locks to the whip tened a row of curly locks to the whip
handie, all aolors, rome gold to siviver,
tair to dark, and she stroked them with her huge, bony fingers as she laughed at "I made friends with Madame Guillo-
tine's
lover," she said with a coarse laugh, he cut these of tor me rrom has
heads as they rolled down. He has promised me some more to-morrow, but
I dontt know if T shall be at my usual
olace.t
 awful loathsomeness $\begin{aligned} & \text { of this semblance }\end{aligned}$ the handle of her whip. "My grandson has got the small-pox,
she said with a jerk of her thumb to
 allowed to come into Paris to-morrow;" pox, Ribot had stepred hastily thack
 as he could. "Curse you !" he multerred, whilst the
 of the place.
$\qquad$
lady, the horror for the loathsome ma
power power to arouse terror and dilisgust it
these savage, brutalised creatures. plaguestroucken with you and with your haguestricken brood! ! shouted Bibot,
hoarsely. And with another rouch coarse jest, the old hag whipped up her lean nag and drove her cart out of the
late. This incident had spoilt the afternoon. This incident had spoilt the afternoon.
horrible cursere terrifited of these two horribe curses, the two maladies which
nothing could cure, and which were precursors of an a wftul and lonely death
They hung about the barricates, silh
ond and sullen for a while, eyering ones
one
othen other suspiciously, avo iding each other
as it by instinct, lest the plague lurked as it by instinct, lest the plague lurked
aiready in their midst.
in tresently, as in the case of Grospierree, o aspantain of
the guard appeared suddenly. But he was kow
tear of his to turning Year of his turning out to be a sly
Englishman in disguise. "A cart ". he shouted breathlessly, even before he had reached the the
gates. gates
What cart $?^{\prime \prime}$ asked Bibot, roughly.
(Driven ered cart. by ,., ${ }^{\text {an }}$ old hag. . A co "There were a dozen ac "." the plague?
"You have not let them yo ?"
"Morbleu !." said Bibot, whose purpe "Morbleu !" said Bibot, whose purple fear. tesse de Tournay and her two children, death, them traitors and condemned "And their driver ${ }^{2}$ " muttered Bibot
as a superstitious shudder ran down hi "Sacré tonnerre," said the cantain but it is feared that it was that ace cursed Englishman himself-the Scarlet
Pimpernel.; Pimpernel." ${ }^{\text {(To be continued.) }}$

## gossip.

coming events.
Eastern Ontario Dairymen's Conven, Campbelliord, Jan. 3-5, 1912. Western Ontario Dairymen's Convention, Eastern Ontario Livestock, Dairy, and Poultry
1912 . Dominion Shorthorn Breeders' Associa 912.

Official renords of 245 Holstein-Friesian Cows were accepted for entry in the Am-
erican Advanced Register, from October
 were heifers \#ith first or second calves, produced in seven consecutive days,
$95,246.5$ lbs. of nnilk containing $3,245.332$ lbs. of butterfat, thus showing an average of 3.41 fer cent. fat. The average lbs. of milk containing 13.246 lbs. retter-lat; equivalent to over 55.5 lbs. ver 15.45 lhs . of the best commercial the till sonburg holstein sale Attention is called to the advertise
ment in this issue, of the important sin tion sale of 135 high-class Holstein-Frie sian cattle, consigned by eight promi nent breeders, to take place at Tillson-
burg. Ont., on January 2nd, 1912, commencing at 10 a. m., sharp. See also
descriptive notes on inside cover, page 2183. In addition to those therein menir. II. Halev, that they have included in
the sale the great five-year-old cow, Calamity Starlight Butter Girl, whose
oflicial record is 22.60 ths. butter in seven days, as a three-year-old. She
also won Sweepstakes at Guelph Winter
Fan Fair, makine a world's record for a
threayear-old in public test, testing 5.5 per cont., making 4 ths. butter a day
for three days. This is no doubt the

Elm Park angus
$\qquad$ Caneron, in the toes Grasgoten by Harald, reeens
y contained an interesting act contained an interesting account an, erdeen - Angus herd of Idelamere, out of Matilda 7 th ents came to ont. Mr. Bowman's pa- folk sheep are also a feature of the Elm yneside, and he himusell had ago from ent for the black skins, besides having an eye to their show-ring winnings. His
erd, which is kept to a breeding strength 20 to 25 head, is composed of Advie . oses, Pride of Aberdeens, witches, $\begin{gathered}\text { Foreman-We're getting out a time } \\ \text { table for a railroad, and they want to }\end{gathered}$ table for a railroad, and they want
finish it without making any changes.

What Do You Drink?
s it pure water secured at depth or
surface water from shallow wells


## Cyclone <br> Well

 Drillyou can secúre PURE WATER for your own
se. You can also make money boring wells for your neighbors WRITE FOR CATALOGUE F.A. 60 TO
MCISERENS, LIMITHD Montreal Toronto Cobalt Wimnlpes Calgary Vancouver

## MR. FARMER!

Do you know EXACTLY what you are selling?

Is it your knowledge or the other man's word?


Why not know as much as the buyer?

Don't give away your profits.
"The
Proft Profit
In the

RENFREW SCALE CO.

RENFREW ONT.


## Whatever you need

in the paint or varnish line you will find under this "Cover the Earth" trade-mark-look for it on every can. A particular high quality finish for every variety of use around the farm and farmhouse is included among
SHERWIN-WILLIAMS PAINTS \& VARNISHES





 B


CRBNiN mANTBD at tho Oeaph Orame


 che mink colle



Poultry to to us als ship your Live ed Poultry, Butter and Eggs.

The
Wm. DAVIES Ltd.
TORONTO


GOSSIP.The Evergreen Holstein herd of F .has a fine bull calf ready for serviceThree nearest dams average 23.50 . Queen
Annie Posch, 18.50 Ibs. at three years
test ater
test average 3.7 per cent., has also a
fine bull one year old. Three nearest

ord $18,000 \mathrm{lbs}$.milk in one year, and
average 16,000 for several years, has
ine bull calt from a son of Francy 3 rd,
record 2915 the
record 29
per cent.
mapleline holsteins and york-
A short distance west of Strathroy lies
he well-managed stock farm, Mapleline,

cattle, Yorkshire, swine, and oxd oxtord
Down sheer. Mr. Bryant is one of the
1eading breaders.
leading breders
liberal
leeder
Seral feeder, and one who exercises
great care in his selection of breding
stock, with the result that he greereally
has on hand something nice to show in-
tending purchases. The stock bull in
service is the
service is the splendidy-bred Homestead
Colantha Sir $_{\text {Abbekerk }}$ 2nd, a son

record of 25.18 lbs., and a seven-day
rilk record of 574.1 lbs., and for thirty
days a record of 103.08 lbs. butter

great Dutchland Colantha Sir Abbekerk
whose dam
whose dam and sire's dam have records
that averame. of butter for seven days,
sing
that average. of butter for seven days,
31.83 lbs.,. and for thirty days, 12277
ibs., with nn average per cent. of butter
fat of 4.13. while their milk records
average for seven days 6161.15 rec..ords and
tor thirty caye $2,723.90$ lbs.

herd have tver heen officially tested for for
seven-day records, but five heifers were
seven-day recrrds, but five heiters were
last year in the R.-ot-P. tests, and all
last year in the R.-ot-P. tests, and al al
qualifed with an average of 10,000
lbs
This year five more of the two-year-olds
are in the test, and indications are that
are in the test, and indications are that
they will do even better. What these
they will do even better. What these
heifers have done was done without any
extrs
ee yearling
ms,
and
go

sale some chcice prount has also for
prices are ries. Write your wants; his
homestead holsteins.
An oxceptionally choice and well-select
Homestead herd of G. \& F. Grifin, near
Burgessville, Ont., a tew miles south of
Woodstock.
The Messrs. Crifitn spare nd
pains to keep their herd up to a h high
standard, and there are not many hreed
standard, and there are not many breed
ers of this great dairy breed that can
show so nice and uniform a lot of cows
sarrying sol sorge and well ballanced
udders.
udders. The stock bull in service is
Canary Rachel Clothilide a son of Rachel
Schillaard Clothilde. whoso
Schillard Clothilde, whose seven - day
vutter record is 26.14 lbs., and milk rea
orrt

nary, whose sinet's sirie's, Brightest Ca- Car thas that
great cow, Sadie Vale Concorde.
Brayt recurd of 30.64 los. The dam
of Brigtest Canary was Canary Mem
cedea Bright .

25.161 Ibs. 26.295 lbs., and her dam
with the such breeding, coupled
Should be a most dreat cows, the result



olantha, at four yeass, made me Kol 19 Kibs
hose mentioned show the high-class
haracter of the herd
ne. for sale, are a feve females, and a
inited number of youne bulls, out of
nich cows as Jewan

De Kol Cetelia, etc., mentioned above
Daughters of the stock bull are being bred to a son of Mercena Schuiling,
whose seven day rocord is 22 , whose seven day record is 22 t us., , nh
her dam's record 27 Ibs. 'This is is urely the kind of breeding from which great records come, and is. the kind of breed-

The Peace of the Mountains.
I wish $\frac{I}{}$ could get the peace of the
mountains into me. The mountains of (God are ever still
"Be quiet," they say, and lift their
thoughts up to heaven;
The lark with his wings as he rises
brushes their crest.
They gather the rose of dawn, the slory
The night with her stars leans on them
I wish I could get the peace of the
1 wish I could get the peace of the
mountains into me,
And not to have all the world a trouble
to me.
I am full of frets and fatigues, angers
I wish the mountains would tell me their
They have seen men born and die, all the
Pass lik
of natural decrease
Of natural things, and the years, line a
glassful of sands,
glassful of sands,
Run out and be done, and the mations
wither
They have looked to God through all the
I wish I ways and the years ;
not vexed, full of fears.
The wind roars over them, singing up
There is nothing that lasts, they say
but God and the soul.
They have cowls of the mists and raim
Por their habits gray;
The world's a dream, wherever the death
bells toll.
God and the soul.
Nothing at all that matters but God and
the soul ;
mountains into the peace of the
mot cold
mot to have

The Old Farm.
Ine its low, dark eaves the twittering
It nested long ago
balm
And sit and watch in the
And sit and watch in the twilight's calm,
The Bat flit to and fro. The white cows lie at the pasture bars,
And the dairy, cool, with its tins and

Is stored with curds and cream
There's somebody right, $\begin{aligned} & \text { and } \\ & \text { And through }\end{aligned}$ From the tallow candle see a light
The garden is rieh with its old - time
And I catch, in fancy, the faint perfume
Of blossoms dank with dew;
And over it all is the starlit dome,
And round about it the peace of home
How it all comes back to view !
The night wind stirs in elm and oak,
and up from tho mill pond comes the
Of the bullfrog's rich bassoon;
And I catch the gleam, as over the
brink
There peeps, with tremulous, shivering The rink, of the crescent moon

With the mournful cadence and swell a,
$\qquad$



GOSSIP.
Woodburn berkshires Woodburn Stock Farm, the property of from the town of Ridgetown, Ont. Woodburn Farm is one of the most noted in Western Ontario, due to the large and high-class herd of Berkshire hogs that for many years has practically swept the boards at all the western on
tario shows, and at tario shows, and at the Guelph Winter
Show. This year, at the latter show in remarkably strong competition, they
won a little more than their share the breeding classes, and captured the
premier honor in winning the prize pem or thor in winning the prize for
pen of the Woodurn herd is
the the largest herd of Berkshires in Ontario, numbering at the present time
over 100 h head,
noted wherever known for their strength of bone, length and
for depth of body, and quality of general fanish, conforming to a marked degree to
the ideal bacon type the market the ideal bacon type the market de breeding about fifteen sows, all in nice
condition, and well up in the hundreds in weight. The principal stock boar in
service belongs to the ever - popule
 and lengthy hog, of fine proportions,
while as a sire his worth is unmeasure
able, his get winning wherever shown able, his get winning wherever shown
Just now, for sale, are about an even 100 head of both sexes, and any desired age, pairs and trios not akin, a selec
tion that for sco be duplicated in this country

Smithfield carcase competi-
In the carcase competition at the $r$
cent Smithfield cent Smithfield Fat-stock Show, th
first, second and championship awards in the classes named were as follows: Steer not over
Aberdeen-Angus.
Steer above two and not exceeding
three -1 and champion, Aberdeen-Angus
2 . Shorthorn 2, Shorthorn-Angus cross.
Heifer not exceeding thr Heifer not exceeding three years-1,
and reserve champion, Aberdeen-Angus. Sheep.-One pure long-wool wether
tamb not over 12 months- 1,2 and reserve champion, Cheviot. Long-woo
wether over 12 and not over 24 months wether over 12 and not over 24 months
1 and champion, Welsh. Short-wool wether lamb-1 and 2, Sut
Rolk. Short-wool wether over 12 an
not over 24 months -1 and 2 , South down. Cross-bred wether lamb-1, Suf-
folk - Cheviot; 2, Southdown- Suffok.
Cross-bred wether over 12 and not over Cross-bred wether over 12 and not over
24 months-1, Southdown-Norfolk; 2, Swine.-One pig not exceeding 100 lbs live weight-1, 2 and reserve champion,
Berkshire. One pig above 100 and not Berkshire. One pig above 100 and not
over 200 ibs.- -1 and 2 , Berkshire.
One
pig not over 12 months above 220 and not exceeding 300 lbs.- 1, Large White
(Yorkshire) and Middle White; 2, Berk(Yorkshire) and Middle White; 2, Berk-
shire. One pig above 160 lbs. and not shire. One pig above 160 los. . and
exceeding 240 lbs. live weight, best suited
lor the manufacture of hacon-1 champion, Berkshire.

QUESTIONS AND ANSWERS Miscellaneous

REMODELLING BARN


## IMPORTED <br> Clydesdales of Quality



Clydesdale stallions and Percheron Stallions, Shire Stallions, Standard bred Stallions, etc.
Totalling over 90 head. I have more size, more quality, more style and better breeding
than was ever seen in any one barn in Canada than was ever seen in any one barn in Canada
before. If you want a big, ton stallion, or a terms to suit
T. H. HASSARD, Markham P.O. and G. T. R. Station forst Hill, C. P. R. Station. Long-distance 'phone.


Ormsby Grange Stock Farm ORMSTOWN, P: QUE
A full stock of CLYDESDALES, imported and home-bred, always on hand
at prices and terms to suit breeders. Correspondence solicited.
DUNGAN MOEACHRAN,
Proprletor,

 OFF FOR MORE CLYDESDALES !
We wish to announce to all interested in the best Clydesalale that about Oct. 1at we ail for
Scotland for our 1911 importation. If you want a ahow stallion or filly, watch for our return. BARBER BROS, Gatineau Pt, Quebec. Clydesdales, Stallions and Fillies, Percheron Stallions
 D. ELLLOTT, Bolton, Ont.
 Shire Stallions and Mares, Shorthorn Cattle (bot sexes ; also Hampshire Swine. Prices reasomable. Porter Broso, Appleby, Onto, Burlington Sta. Phone. Bay View Imp. Clydesdales $\begin{gathered}\text { We have got them homee } 11 \text { fillies and } \\ 7 \text { atallions, } \\ \text { nhow horea }\end{gathered}$ parple, big in size, and quality all over, It you
and nee ue Prices and terms the beat in Canada
On Hee Trero


HIGH
havi Cly ald
 JAMES TORRANCE, Markham, Ont

| CLYDESDALES (Imported) CLYDESDALES <br> J. \& J. SEMPLE Stallions, Every mare guaranteed in foal., Ages, 3 years old and upwards. |  |
| :---: | :---: |
|  |  |
|  |  |

$\qquad$ Mount Victoria Stock Farm. Hudson Heights, P. 0


CAUGHT

## HEAVY COLD.

Left Throat and Langs Very Sore.

There is no better cure for a cough or cold than Dr. Wood's Norway Pine Syrup.
It is rich in the lung-healing virtues of the Norway pine tree, and is a pleasant, safe and effectual medicine that may be confidentially relied upon as a specific or Coughs, Colds, Bronchitis, Hoarse ness, Sore Throat, Quinsy, and all Throa and Lung Troubles.
 Wood's Norway Pine Syrup is an excellent medicine for coughs and colds. Last Winter I contracted a heavy cold which
left my lungs and throat very sore. I left my lungs and throat very sore. for two weeks. I used several cough mixtures, but got no relief until a friend divised me to use Dr. Wood's Norway me, and I can recommend it as the best medicine for coughs.
Don't be imposed upon by taking any-
hing batt "Dr. Wood's" as there are thing bat "Dr. Wood's" as there are many imitaket
"Dr. Wood's" is put up in a yellow
wrapper; three pine trees the trade mark; price 25 cents. Manufactured only by The T. Milburn Co., Limited, Toronto


Aberdeen-Angus Cattle - For Sale: A (15 mos.) of richest quality and brediding a aso fomgaleen eEO. davisien ore stock Farm, Balmedie Aberdeen-Angus Iamo for sale young bulls and heifers of the highest types
of the breed. Show stock in show condition
 Aberdeen = Angus




 | $\begin{array}{l}\text { vited Prices rea- } \\ \text { jotin } \\ \text { ennockille, Quie. }\end{array}$ |
| :--- |

Shorthorns and Swine-Am now offering
 ISRAEL GROFF, EImira, Ont
Shorllorns, Shropshires and Berkshires and heiters, bred for milk production. High-class,
Aock-headers, winners, and covered to the ground
lot W Wilson. Brickley P. O., Hastings Sta., G.T.R Shorthorns $\begin{aligned} & \text { Chulce selections of } \\ & \text { bull } \\ & \text { all times heifers a }\end{aligned}$ very reasonable prices. Robert Nichol \& Sons
Hagersville, Ont. MENTION "FARMER'S ADVOCATE."

QUESTIONS AND ANSWERS
Veterinary
lump Jaw
Milking heifer has a hard lump on he
tace, between eye and nostril. Is the
Ans- - This is tump jaw. Many. case
can be cured by the . treatment." It consists in givinump potas
sium iodide sium iodide three times daily, Com-
mence with 1 1-dram doses, and mence with 1 1-dram doses, and increase
the dose by
fuses tood and wam atily until she ore eyes and mouth, and the skin become
and scrufy. When any of these symptom
become well marked, cease druge If necessary, repeast treatment
 will materially reduco the milk yield for
a time. The milk of a diseased anima a time. The milk of a diseased anima
is not considered fit for us, but many
claim that it is quite healthult

## Miscellaneous

INDIGESTION TN PREGNANT Will you please publish a recipe for
case of indigestion in a pregen (A. D. M. gets the better. medicine an ang in-foal mare in this condition purgatives are dangerous. Give a laxative of $1 \frac{1}{3}$ pints of raw
linseed inseed oil. Follow up with 1 dram
each of ginger, gentian and nux vomica each of ginger, gentian and nux vomica
three times daily. Great care must ba
takeen in feeding . taken in feeding. Feed in small quanti-
ties ties and often, on good hay, rolled or
crushed oats, bran or good quality, wit a turnip, carrot or mangel datily, wh
the pain should become acute ounce fluid extract of belladonna and 1
ounces of nitrous ethen water. If this does not enfect a cure in a short time, send for your veterinarian,
as there may becomplications, ond $\begin{gathered}\text { mis } \\ \text { takes are especially } \\ \text { dangerous } \\ \text { with }\end{gathered}$ pregnant animals.
VALUE OF WOOD ASHES-REVALUE OF WOOD ASHES-RE
PRODUCING GRAPE VINES. 1. What is the value of harawoo
ashes (unleached) as a fertilizer, and how much should be sown per acre with the

 Ans, -1 . The value of ashes varies ac
coriting to the wood cording to the woo eroin which derived
and the care they receive. and the care they receive. Ten cents
bustel is a conservative value to place upon ordinary samples.
o. The nropagation of grapes is done
by means of hardwood cuttings, which by means of hardwood cuttings, which
are taken in winter, usually from the are taten in winter, usually from the
trimings of vineyards. In ordinary
cases, theyt are made of two or three buds' length, preferably three. As de scribed in Bailey's Encyclopedia of Hor
ticulture, the eats are made a short dis tance below and above two of the buds,
and the third is about midway between them. They are cut as son as the
vines are trimmed, tied in small bundlee and these are buried hall their depth in
damp damp sand in a cool cellar. It is men-
tioned that the main pruning of grapes

i done when the ving se dormat January or February in the north. By | $\begin{array}{l}\text { spring the cuttings will be more or less } \\ \text { callused. } \\ \text { They are planted in the one }\end{array}$ |
| :--- | Callused. They are planted in the os

on the approach of warm weather. loamy soil is selected, well and deeply
prepared. The cultings are inserted untir only the upper bus stand inserted
surface of the ground
They are the surface of the ground. They are placi
six or eight inches apart in rows, an
tor commercial
 large enough for sale the following fall Lat uswally are let grow until two years
old before being put upon the market.
$\qquad$

## Ruptured People-

Try this for Relief and Cure

No Loss of Time from Work - You Keep on Earning Money-No Belt, Elastic, Sprinss, or Les-straps to Wear-Sent on 60 Days Trial to Prove It
You can try this- the greatest boon to the
ruptured the world has ever t nown-without
having to
 If you don't tid yourself
from the frrt, then it ge
won't cost you a penny.

Curing Begins At Once
 better and stronger almotery the minutea a Clouth
Truss is put on-o beneficial that among the
thousand of ono thousands of pooppe conpleterely cured by thi
truss ane some of the worst cases of rupture on

record | truss are |
| :--- | :--- |
| record. |
| Fre |

Free Book Tells All About It So that you can judge for yourreelf, we want
to send you-free -urr cloth-bound book of ad-
vice-it is full of You Don't Rlsk a Trusses Like These $\begin{gathered}\text { before put in print nevers } \\ \text { we have learned during }\end{gathered}$


 Don't judge this by other trusses. This is the
only trusg gaaranteed to hold. And in adai-
tion to that the Cluthe Trus. Way ever discovered for rusercoming the wealk
ness which is the real cause of rupt While taking all strain off the rupture, this
trus is constantily strengthening the wealk
ruptured parts-

 pariences of many who have tried this truss-
gives the names and addreesseo of over
probab. y yome
 Does that by automatically massaasing them
-this sothing, healing massage does for these BOX 125 East 23rd street. New York clty


## ABERDEEN-ANGUS CATTLE

We have a large selection of IMPORTED ANGUS BULL CALVES and YEARLINGS for sale. Also a few heifers and cows. These cattle represent the most desirable blood lines and families of this breed in Scotland,
and are an exceptional lot of fine individuals.

## Prices Reasonable

This is an opportunity to introduce the best imported blood in your herd. Angus sires are noted for their prepotency, and thus are extremely desirable for improving and building up herds of grade cattle. You are cordially invited to inspect our herds and stock.

| Breeder and Importer |  |
| :---: | :---: |
| Clydesdale Horses | LARKIN FARME |
| Jersey Cattle | Queenaton, Ont. |
| Canada |  | Aberdeen-Ansus

Shropshire Sheep
Berkshlre and Yorkshlre Swine
J. D. LARKIN,

Euffalo, $\mathrm{N}, \mathrm{Y}$ Ovener

E
ORCHARD GROVE HEREFORDS

Scotch Shoothore por Sale: Lit blocky, low-down bull calve best Soctch breading zilso one imported bull, an Mitchell Bros., Burlington, Ont
extra
 Farm 11 miles east of Guelph on C. P. R., I/2 mile rom station. AMO\& \& SON8, Moffat. Ont.
Shorthorn Bu\|l ${ }_{\text {- }}^{- \text {Suality, with plenty }}$ of scale and from good milking dams H. SMiTH, Hay P.O.. Huron County, Ontario.

POLES OF STERLING QUALITY
Michigan White Cedar Teiephe C ALIT
W. C. STERLING \& SON COMPANY

Oldest Cedar Pole Firm in Business
Producers for 31 Years
MONROE, MICHIGAN


Lump Rock Salt, $\$ 8.00$ for ton lots. f.o.b., Toronto
 WILLOW BANK STOCK FARM Shorthorns and Leicesters

 Siditaidixiow of Leicester sheep of either sex
-a few imported ones to offer.
JAME DOUGLAS MAPLE LODGE STOCK FARM Am offering a splendid lot of youn
 select Leicesters for som sale yet.
solass milkers. A few A. W. SMITH. Maple Lodge, Ontario OAKL AND $\quad \begin{gathered}\text { We have another lot of } \\ \text { young bulls read, tor tall }\end{gathered}$ SHORTHORNS $\begin{aligned} & \text { and winter trade out of } \\ & \text { good breeding dual tur- }\end{aligned}$

 FIN ELDER \& SON, HENSALL. ONTARIO Fletcher's Shorthorns and Yorkshires
 GEO. D. FLETCHER SPRING VALLEY SHORTHORNS SHORTHORNS Ringleader, $=73783$ the two imported bulls, Newton stock temales are of the best Scotch tamilies Yoth sexes for sale at reasonable p. ices.
Tele KYLE BROS.

Ayr, Ontario Shorthorms of Show Calibre
 Canada, Mildred's Royal, out of big, thick Soct
cows. For show bull or how heiter, write us.
GEO. GIER \& SON, Graend Vallev. Ont
"The Manor" Scotch Shorthorns

 J. T. GIBSON, DENFIELD, ONTARIO
 that he was descended from one of the
crusaders who accompanied Richard Cur

## A TURKISH BATH ON THE FARM

 FOLK: ON TIIE FARM-Are youmissing one of SNAP'S best services? A dip in the tub and SNAP used instead enjoyed a genuine TURKISH BATH It is thoronghly cleansing, removes
the stain and grime of hard work refreshes and invinorates as it cleans,
anid in soothing to the skin.
Be sure toill wit SNip.

QUESTIONS AND ANSWERS Miscellaneous

Crop for green manure I have bought a farm alongside of m . company for thirty years and a loan Part of it is clay loam, and the rest sandy loaru. It is covered with ragWeed. 1 intend to summer-fallow about
twenty acres, but 1 hâe no manure spare for it. I want to clean it and
get it soeded get it seeded down. Would it pay to
sow buckwheat on it What do you advise me to do down

Ans.-Sow peas early and plow under then cultivate thoroughly until time to sow the wheat. In the search for a
green manuring crop, people persistently overionk the commonest crop suitable
for this tor Yor this purpose, and the best. Tests
at Guelph substantinte the logical inter ence that pens are much better for thin- this
purpose than buckwheat, rape trye
 often inquired about. The advantage of
peas is so great as to much more than BLACKHEAD. In your issue of November 3oth, yo
had an article on "Blackhead"" in keys and treatment for same. Kindly advise the symptoms of this disease, and
how one is to know it. Last year we had a great number of turkeys and lost nearly all. Some of them moped around
for several days, not eating-then died others would apparently be all right in
evening and would find them deal morning. We noticed that they hat yellow diarrhea. Would this be the
troubbe?
If so, kindly advise remedy, again. C. E. M. 1. Lack of appetite, weakness, emaciation
2. Constant diarrhea, usurlly first. Thstant Tiarrhea, usually from the
Tiarrhea is caused by in
fammation dither flammation of the caeca. 3. Half stupor,
with an inclination to keep away from
whe rest of the flock Che rest of the flock. 4 In most cases
discoloration of the head as the disease advances. This discolaration is not
however, always present. ${ }^{\text {In }}$, "The
Farmer's Advocate," issue of Sept. 1911, there appeared an article on
"Blackhead in Turkeys" which will an-
swer that issue.
TAPEWORMI IN SHEEP.

## 1s there such a thing as tapeworn sheep; if so, what is the cause?

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$\qquad$


Reproy them, Reat treatment in ten
ass, and, if necessary, administer the
hird and fourth time. The pumpkin-
 nimat the product of from two to four
nemat after ten or
nunces of seel Repat
welve days. Kepp, the sheep off lowland pasture. and, if possible, on fresh
seeding every year.
"nainting, The Rey Retreat from Bull Run,"


## Write for Our Great Clubbing Offer



By takigg advantage of our Club bing Offer you can now buy Molasses Meal direct from the factory at wholesale prices. This will be good news to hundreds of stock, sheep and horse raisers who feed this wonderful meal regularly, but who have always bought it in the usual way. We have a booklet explaining everything about Molasses Meal, the wonderful results gives, and full instructions for feeding

Caldwell's Molasses Meal
is 80 to 84 per cent. pure Cane Molasses. Clip out the coupon Fill in your name and address. Put it in an envelope addressed to

CALDWELL FEED CO., Ltd., Dundas, Ont.
And we will send you particulars. cut along here


Shorthorn Bulls and Clydesdale Mares
 W. G. PETTIT \& SONS, Freeman, Ontario
$\qquad$
 ay as



SALEM SHORTHORNS Hayd dy IImp) Gainford Marguis, undefeated

Scotch Shorthorn Females for Sale


TECEMBER 28, 191
 Winnipes TORONTO Calgary MAPLE SOIL STOCK FARM


H. C. Holtby, Belmont, P.O., Ont HOLSIEIN BREEDERS' CLUB

Belleville, Ont., April 3rd, 1912 Welcome Stock Farm Holsteins





## A Great combination



A. A. Farewell. Oshawa, Ontario

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|  |
| :---: |

The Maples Recordit of Holstein Herd


 HOLSTEIN BULLS



NOTICE!
 Mat for whidedern
Maple Lin ape tine hioldelins sand Yorkhilires
 W. A. BRYANT, Middlesex Co.. Cairngorm, Ont. Holsteins and Tamworths-For sale: One Two bars fit erar servcie (prize winners); sows bred
to farrow in Juauary; pigs ready to wean. Phooe

conect | connection, viai. Cobourgs |
| :---: |
| BRTRAM HOSN. The Gully P. 0. | MENTION "FARMER'S ADVOCATE."

trade topic.

hard work made easy.-no lind | TRADE TOPIC. |
| :---: |
| HARD Work MADE EASY.-No line |
| of machinery used on the farm has ex- |
| perienced a more rapidid increase in sales |





 Send tor prices on theee and several olteses equally gooa


## RATRYIEM IRARME HHERRD

 STILL LEADS ALL OTHERS.We own the worla's champion cow, Pontiac Pet, 37.67 lbs . butter in 7 days. We are more closely related to her and to Pontiac Clothilde DeKol and, ym, bulle that you can get any place else in the world, and our prices are right. Nearly zeo head E. H. DOLLAR, (near Prescott) HEUVELTON, NEW YORK


Centre and Hillview Holsteins ${ }^{-}$Leadere ore ofroring youn bull from Sir



R
 20.
 High Grove Jerseys \& Yorksher

| Oev Jerseys \& Yorkshires | D |
| :---: | :---: |
|  |  |
|  |  | MENTION "FARMER'S ADVOCATE." D. Duncean, Don, ont., Duncean Stn., G.N.R


 CRAIGALEA AYRSHIRES!|HIGH-CLASS AYRSHIRES







 Dungannon Ayrshlres and Yorkshires-
 w. M. FURBER, Gobourl, Ont.

Choice Ayrshires Good tatat, hapary

 Run Stoct Forme
phone in bouse.
 City View Ayrshires Several R. O. Oteri,
wut 2s good, 2year-old beifers, one yearliog buil
 $\qquad$ Pation PRANK MARRIS. Mount EITE

Are coming to the front wherever shown, Look out for this at the
leading exhibitions. Some choice young bulls for sale, as well as cows and beifers. HECTOR GORDON, Howlck, Quebec.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$

GOSSIP. Glydesdales from Soctatand reported of sailed on the
Salacia, from Glasgow, December onsigned to T. D. Elliot, Bolton, Ont.;
I.. Dollar, High River, Alta., and P.
W. M. Robertson.

The annual Provincial Government
sale of pure-bred cattle will be held in The Winter Fair Building at Guelph, on
March 6th next. Make your entries to stock Club, Guelph, Ont. Ene Guelph Fat
Entries will
FATRVIEW BERKSHires. Ont,. the noted breeder of high
Berkshire swine, and owner of the view herd, was again this year at th
Guelph Winter Show with a big entry
the type, quality and fitting that seems to so well know how to bring out,
and, as usual for several years past,
carried off a goodly number of the lead ing prizes in what was probably the
strongest exhibit of Berkshires seen in Canadian show-ring for many years,
Mr. Cowan has been breeding Berkshire the type of hog for the Canadian marke
$\qquad$
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$\qquad$
$\qquad$
$\qquad$
$\qquad$

Makesa Bal Cough Vanish Quickly-or Money Eack The Qulckest, $\overline{\text { Surest }}$ Cough Remedy
You Ever Used. Family Suply for
50c. Saves You \$2. You have never used anything which
takes hold of a bad cough and conquers is quickly as Finex Cough Syrup.
 o give prompt and positive results, even in croup and whooping cough Pinex is a speciar and highly concenPinex is a speciar and highly concen-
trated compound of Norway White Pine ing pine elements. A and other healing pine elements. A $50-$ ent bottle
makes 16 ounces-a family supply-of the
best cough remedy and
est cush remedy that money can buy,
at asing of $\$ 2$. Simply mix with at a saving of ${ }^{\text {in }}$ Simply mix with honey, in a 16 -ounce bottle, and it it is
heady for use. Easily prepared in five minutes-disections in prekarge. in five
Children like Pinex Cough
Syrup-it Chilaren like Pinex Cough Syrup-1t
tastes good and is a prompt, safe remedy
for old or young. Stimulates the anpetastes good and is a prompt, safe remedy
for old or young stimulates the appe-
tite and is slighty laxative both good
tione tite and is slightly laxative-both good
features. A handy hause hourd
for hoarseness, asthma, bronchitis, etcine. for hoarseness, asthma, bronchitis, etc.,
and unusually effective for incipient lung
and troubles. Used in more homes in the U. Pinex has often been imitated, but never successfully, for nothing else will
produce the same results. The genuire jo guaranteed to give absolute satisfacvarantee is wrapped in each packace our druggist has Pinex or whll pladly get it for you. If not, send to The Pinex
Co., Toronto, Ont.

## NO LEAK-NO RUST

 STHBBIL TANKS V. WOODIEN



Cuaranteged for fop y yeare
STEEL TANK CO., TWEEDD ONT
COUDINHI2AD CATARRH DRMARSHALLS CATARRH SJUAE

Poplar Lodge Sintratownan and Herth



Briggs-Here's a scientific chap wh n object one five-millionth af can discern diameeter
Griggs-I wonder if it can discern th
soul of the fellow who wants to aloolist教

QUESTIONS AND ANSWERS.
Veterinary
RESULTS OF INTERFERING Mare interlered; leg swelled, broke, and
discharged matter. The ankle is enlarged and hot. The enlargement is hot. The
leg swells, but the swelling disappears
lit. Ans.-The cause must be m. McG. either by driving without hind shoes,
wearing boots. getting a Wearing boots, getung shod so that she
will not strike, or allowing idle. Apply poultices of her to meal until the acute inflammation is alIayed. (II pus be present, the abscess
must be lanced and dressed per-cent. solution of carbolic wh a dive times daily until healed. After the in-
fammation cammation is reduuced, the enlargement by rubbing a little of the followinc extent,
ment ment well in once daily, vizi: Foving lini-
drams potassium eand of iodine and iodide of 4 ounces each
and glycerine and glycerine. 4 Aunces anch of alcohol
ture anches are very her ture are very hard to reduce, you will
have to be very pationt
Stomach staggers.

$$
\begin{aligned}
& \text { ble in his head. When driving, he takes } \\
& \text { spasms. thows his head arount and } \\
& \text { sears and aros sideways. } \\
& \text { reare and spasm }
\end{aligned}
$$ lasts five minutes, and sometimes longer.

He eats well. hut is Ans-This is called stomach staggers, or blind stagers, and is. due to pres-
sure upon the roain either from conges-
tion of the veselo tion of the evsels as a result of stom-
achic irritation, or from a growth upon
the brain the brain. If from the atter, nothing
can be done. If from the forme gallon of blood should be drawn trom the juglar vein, and a purgation of 8
dram drams aloes and 2 drams ginger be
given
repeate the purgative may have to be repeated
again oco
 ing three times daily, viz.: Equal parts
sulphate of iron, gentian, ginger and
sulp

Miscellaneous.
PUMPING.
Well is 25 yards from house and is 28
feet deep. Could you pump water satiss Ieet deep. Could you pump water satis?
factorily with wa ordinary cistern pump;
pump placed in pantry in house ? There pump paced in pantry in house? There
is a windurill over well which pumps to
barn. It could he mada barn. It could be made do the work,
but that would mean a tank in the house, and water would not be as fress
as it pumped by cistern pump. Ans - It is a rule among pump-makers
that the sucker must be that the sucker must be within 25 feet
of the surface or the water in the well
for satistactory work. If the merk
 when it is being raised (that is when
starting to pump), and the pump-loy and
cylinder
 retically, the sucker might be from 32
to 34 feet above the surface, depending ever, theesation above seal-level. How- How
not prevail. not preval. The sucker and valve in
it are nat air tight, and conseouently
the practical rule is as statod e practical rule is as stated to have have
the sucker not more than 25 feet above

Fairview Shropshires offered to close out hite eseason's strade. We offer at a bar rams. One crop of lambs will be worth gain a tew shearing and other ewes. breat to our importice J. \& D. J. CAMPBELL, Fairview Farm, Woodville, Ont.

Shropshire and Cotsvold Ewss / Cattle and Sheep Labels

 JOMN MILLER Claremont Stn., C. Pr.R. $\qquad$
F. G. JAMES, Bewmanville, Ont

## BLAIRGOWRII FOR CANADA'S BEST

 Shropshire Sheep, Shira Horlizee amd

 Whon contection.

Orfords and Hampshire Downs We ra ofring verr ramonaty a number of firit yion ram; foo fity ofeeof boil hrodion Long.dir Southdown Ewes A fow good sh
Angus
Colllios that min the thon mend

## MapleGrove Yorkshlres

Grove Yorkshires LARGE WHITE YORKSHIRES Preaent offoring: Tw TO THE BESI.






| M. S. Medarmio, Fingal ontario. |
| :--- |

0.2.C. $\begin{gathered}\text { We have those fine Ches- } \\ \text { ter White boars for sale, } \\ 1-5 \text { mos. old, } 1-6 \text { mos. old, }\end{gathered}$ I-2 years old, and Iour sows over one year
old ; none a are better, few as GLEN ATHOL FRUIT RANCH GLEN ATHOL FRUUIT, RANCH $\overline{\text { Newcastle Tamworths and Cotswolds }}$



$\square$ Hampshire Pigs $\begin{aligned} & \text { Get acquainted with the best bacon } \\ & \text { hog in existence. } \\ & \text { Both sexes for }\end{aligned}$ sale from imported stock. Write for prices. Long-distance
$\qquad$

 Tamworths and Poultry We can supply
both sexes and any





1





Monkland Yorkshires 1 am makiog 2 pocoine ofering of so MATTHEW WILSON, FERGUS, ONT ARIO
Duroc - Jersey Swine. Improved Large Yorkshires FOR SALE A lot of or fine young boars and sows
of difierent ages. Full strength. Corespondence solicited.

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## PINE GROVE BERKSHIRES

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tain
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Dairying: Co-operation in $\quad 1750$
Dairying Enterprises: Gireat $\quad 1169$


Give the Cow a Chance
Heiter: A Phenomenal

Milk at 92 Ce
Milk: Ropiness
ents per $C u$
ss in
in Britain
Prices in Britain
Production : Cost
Milk Production


Man and the Farm: The
Nanure: The Action of
Manure: Vhe Acho
Manure : Value of
Market Values : Hold 1 ,
Marketing Farm Produce
Men: I Programme fur.

Messages: The Christmas Mistake: Wy Mrat I'rufita






 from rain, snow, storms, lightning and fire, isn't it ? Wood blow off. "Galt" Galvanized Steel Shack, curl and rot, leak, and give you the protection Steel Shingles on the other hand snow and storm as well as from fire and-protection from rain locks fit so perfectly that not even a ray of light can penetratented joints. Wind can't loosen them because they're locked all round and nailed on two sides as well-they stand rough well round and stone wall.
 THE GALT ART METALCO. Limited GALT, ONT

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have from $1 / 5$ to $1 / 4$ more real flesh-forming food value than other feeds. This has been proved by actual tests on the Livingston Farm. From the very first they fatten the cattle and better the milk

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tion.
Wood reliable Agents terms. ${ }_{\text {Buit by }}$

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## GOSSIP

the great tillsonburg hol
As announced last week in these co umns, and the advertisement of which
appears in another column of this issue, appears in another column of this issue,
the great Combination Sale of 135 head of strictly high-class Holstein - Friesian
cattle, to be sold by public anction in cattle, to be sold by public auction in a
heated arena at the town of Till heated arena at the town of Tillson-
burg, Ont., on Tuesday, January 2nd, 1912, is the occasion in the history of never before in Canada were so many ot so high a standard of individual excel-
lence, of so high atander production and a standard of offcial backing and breeding, been offered by auction. It is a sale established and
intende. intended to be held annually by a num-
ber of the leading breeders in western Ontario, particularly trom the County Oxford, brecders whose reputation 呾 sent away over hall the west repre leading Canadian shows for many years
past. We ean ed from a distance may understand that every entry to the sale will be high-
class, and that everything in connection with the sale will be string icty conetction straight
and above board. bo gold, forty will be bulls, in agead trom calves up to two years, all sired by bulls
with official R.-ol-M. backing of a high standard, going back in several instancoe
for
several
generations, and including among their nearest dams, world's tham-
piong.
One of the young buls pions. One of the young bulls is out of
Lady Aaggie, winer of championship in
the jairy toest tat Guelph, 1908 and 1909 , with an average per cont. of butter-fat the other twelve months of age are song of Calamity Starlight Butter Girl, Winner of championship at Guelph in the
nairy teat
and dairy test, 1910 o. whose butter-fat teat
was 5.05 per cent. sired by the intensely-bred bull, Grace Fayne 2nd's Sir Colantha, the other by
a son of Queen's Baroness, winner of irst prize in the Guelph dairy test, with
a butter-fai test of 4.04 . Another one year-old is a son of Olive sharilling
Posch, winner of the championship in the test at Guelph this month. $\begin{aligned} & \text { Her seven- }\end{aligned}$ ay butter record is 27.5 lbs., and the
record of the dam of the sire of this young bull is 27.55 1bs. Still another
is out of the first-prize is out of the Arst-prize aged cow in the
Gualph test of last year, with a seven-
 Guelph last year, whose record is 20.65
lbs. Another is a on on of the senior whampe
wheven-day
record Still another is a son of this year's irratprize two-year-old at Guelph, whose per-
formance was 74 libs. milk $\operatorname{tin} 1$ day,
day 215.1 los. in 3 days, which is 29 lays,
 ot-P. test in 10 months is 14,850 lbs. wonderfulu backing of his seven nearest dams, with sevon-day records averaging
24 f Ibs., and two of them were teated as two-year-olds. Space forbids mention
of the rich offcial backing of the balance of the young bulls, but those mentioned
are representative of the entire loti The are representative of the entire lot. The
females to be sold are gilt-edged in Yemales bo be sold are gill-edged in
official backing.
Two-thirds of them are in the official R. of M. or R. of P. rece
ords, several of them in both, their rech
 the R. of M., and up to 20,000 lbs. in
1 year in the R. of $P$. testa, a very few of which can only be mentioned, sew
great cows as the Guelph champion of great cows as the Guelph champion of
1910, Calamity Starlight Butter Girl,
with a butter-l with
cent.; $\begin{gathered}\text { A } \\ \text { Bessie }\end{gathered}$ record 25.40 lbs., HR --ot-P. record 19,220
lbs.: Rettie De Kol two-year-old record in R. of M. 16.54 ibs.; also four of her
sisters, two of which, in millk, as two-year-olds, made in R.-of-M. tests 16.08
and $16.77 \mathrm{lhs}$. Among the lot is the dam and Lwo sisters of the Toronto
grand champion of this year. Those of the animals to be sold. For full
oparticulars of the breeding, records, etc. write for a catalogue to M. L. Haley,
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