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LONDON, ONTARIO, ОСTOBER 17, 1912.
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season of the year mixed and placed at any season of the year (in extremely cold weather
certain precautionsmust beobserved certain precautions must beobserved, by your-

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ing is sim.
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protects the contents perfectly tions a re
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What Can I Use Concrete For.
CONCRETE can be used for all kinds improvements. By having a sinal
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concrete. Concrete cost when you build of concrete. Concrete improvements never
need to need every dollar phe they are there to stay, dollars to the cash into them adds several in many cases improvements of farm, and lasting material are actually cherper. evers cost than if they were huilt of wood. The cost of lumber is constantly increasing, and it will not be many years before its cost will be prohibitive.
YOU should use concrete, because by so doins
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difficivllies and diffitulties they were likely to encounter, and how
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We have made a special effort to pive We have made a special effort to give the farm-
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SYNOPSIS OF DOMINION LAND














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## AGENTS A Big Seller  





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## EDITORIAL.

Who wouldn't be a farm boy nutting in th

October sunshine has been doubly welcome after ree months of rain.

Glutted markets and unprofitable returns to poducers give fresh and wholesome stimulus to o-operation.

It is predicted, says an Ohio bulletin, that eggs will retail at five cents apiece in the United States before spring. If so there are liable to be many eggless breakfasts this winter.

Peaches may rot in the orchards of the fruit belts, but consumers a hundred miles away pay ifty cents to a dollar a basket all the same. Middlemen and transportation companies take their uniform toll and the grower receives what's

Tons of good apples are now rotting on the ground. Yet next winter there will be poor people in the cities hesitating whether to buy ducer in September and the citween the farm prowinter seems a costly the city consumer in mid-- seems a costly one to bridge.

Winter approaches and perhaps the new barn is not built. That is no reason why the old table may not be made comfortable. A little present sher and lumber applied to the walls or the shell will make it as warm as and conside Qalled basement.

Stock-judging classes for young men, conducted by the District representatives of the Provincial Department of Agriculture, are proving an excellent feature of many Ontario fall fairs. Besides providing an edifying and interesting form or entainment for fair visitors, these contests take part.

Notwithstanding all that has been said and written, many new silo owners are still afraid of While none of us like frozen before filting time and lost, experience indicates that a light frost on immature sappy corn is rather an advantage yetting rid of some of the surplus juice, and tend pare notes next sweeter quality of silage. Com notes next winter and see.

Irish cattlemen have been fretting under the foot and mouih embargo, which requires their and slaughtered at the foreign-animals wharf, landing. slaughtered within forty-eight hours after held in Dublin representative meeting of protest held in Dublin last month, one speaker declared every practical man knew that the killing of
cattlo within forty-eight hours after arrival was antamount to compelling men to sell their beasts for from $£ 5$ to $£ 6$ less than they ought

If a number of cattle are being put in the stables for winter feeding, the buyer should sered loose in box stalls do slightly better than tied attle, and it is necessary to remove the horns to revent trouble

Where is the winter's manure to be stored? Manure has vastly more value than farmers give merits. A covered shed for as its real worth this is not available and the maneferable, but where pled in the green state, at least heap it in a neat pile away from the eaves' drainage.

Six hundred and twenty-six dollars as the four years average annual return from a flock of 60 or from a hundred-and-fifty-acre Michican farm, is the feature of the leading article in farm, is ber of the Breeder's even in Canada, with wool prices later better, are?

## To city sportsmen the "no sho

displayed by an increasing tho shooting" sign woodlots are naturally a not very welcome farm but for our part we like to see them. In many instances they denote laudable regard for the inprestrve wit. If the the woods, and a desire to let the farmer have it himself, City men have no more right to it than to the farmer's fruit and crops. It is bad enough for the cities to levy foll upon our industry without poaching our gamse.

Provincial authorities have been working their wits overtime to expend judiciously the half million dollar's voted to agriculture by the Dominion Government at its last session. Overlapping of new and old services has not been wholly avoided. Example: the organization of live stock associations in New Ontario to serve a pur pose which belongs to the purview of the already outlay generally it is fluity of new-found fund will encorage prodit ity and inconsiderate waste. We believe the beal results in promoting agriculture will be obteine by considering specific needs os they arise, and then going after the money needed to supply them.

For all the talk about hydro-electric service for farm use, it is exceedingly difficult to draw from the officials of the Ontario Hydro-Electric Commission any definite, comprehensive, reliable ngures indicating the relative economy of hydroclectric energy as compared with the gasoline engine. So far as "The Farmer's Advocate" can carn, it resolves inser into a question of how many hours per day a farmer can contrive to hethe the amount of current he contracts for, work , is, However, one great advantage i. e., adaptabiland Lectricity can be used many household and other purposes, each making but a slight ar Here we bet a Durability of motors and reduction of fire risk are other noteworthy points

Field Cpop Competition in Canada.
Pioht living and good farming ensure their wn reward. Theoretically, men ought not to need the stimuli of competition and special prizes, but in practice they do, or at all events such in centives are a spur to material achievement In the old days of the Provincial Agricultural and rts Association of Ontario the plan ard ing medals for the best-equipped and conducted farms had for several years a beneficial vogue which still lingers in tradition and to some ex tent in that worthy pride of homestead and well ordered farming to be found more or less in most sections. Last year we had the old idea inaugurated afresh in a most public-spirited and admirable way in a Peel Co., Ont., home-flowergarden competition

In relation to the cultural side of farm pracice, field-crop competitions have clearly estabaned themser in public favor throughout Canada, largety by means of the liberal aid of the Federal and Provincial Departments of Agriculture and the energetic co-operation of their offcers, supplemented by the efforts of local organdual citizens. growth-an evolution competitions have been a genesis back to the Macdonald seed-arain com tition for boys and cirls during the thre reara 1900,1901 and 1902, initiated at the suggestion fr. Jas. W. Robertson, now chairman the Royal Commission on Industrial Training and Technical Education. In that contest each competitor, of whom 1,500 started and 450 completed the work, grew quarter-acre plots of wheat or oats, selecting the seed by hand for the next sowing. With a view to increasing interest in the production and use of better seed, annual seed fairs began to be organized by the Dominion Seed Branch, in co-operation with Provincial and local agricultural societies, the Eastern Provinces having the honor to lead the way at Charlottetown, P. E. I., Truro, N. S.; Woodstock, N. B.; Sussex, N. B., and Sherbrooke, P. Q. By 1904 welve af these fairs were held. Out of these developed Provincial seed exhibitions, and as a naural corolury feld-crop competitions made their ppearance in Western Canada, where grain-growing is supreme. These appear to have been the utcome of arrangements made by Geo. H. Clark, Iotherwell, Minister Ottawa, with Hon. W. R. hewan, thister of Agriculture for Saskat ial Department of Agriculture Ausing Provin lection-special ralwayated in the winter of 1905-6 mitig ing egree the ovils arising from disa break of smut in the Prairie Provinces titions in standing fields of grain of not ten acres were conducted in 1906 by a fews agricultural societies in Manitoba, 31 in Seskorewan and 7 in Alberta, 298 fields in all being in spected by the judges, supplied under the direction and at the expense of the Seed Branch, the Provincial Departments assisting in providing the prize-money. These competitions have extended to all the Provinces, and embrace other crops, such as vegetables. Forty agricultural societies conducted such competitions in 1906 and 110 in 1910. Indicative of the growth of these competitions: Alberta had in 1906 a total of 55 fields scored and in 1911 no fewer than 289.
the Farmers Advocate $^{\text {a }}$

## AND HOME MAGAZINE

EADING AGRICULTURAL JOURNAL IN THE DOMINION
the wil published wrekly by
WhLIAM WELD COMPANY (Limited). john meld, manager.
Agonte for "The Farmer's, Advocate and Home Journal,"

- The farmigr's apvocate and home magazine





2. ADVRRTISING RATRS.-SIngle Insertion, 25 cents per line



cubeription is paid.






3. $A$

 ddress-THE FARMICR'S conneoted with the ap paper. THE WILLIAM WEID COMPANA,
$\qquad$ In no Province of Canada has the work been progress than in Ontario, where it falls under the direction of the Superintendent of Agricultural and Horticultural Societies, J. Lockie Wilson, who early discerned the possibilities for good that lay in the system and started competitions out by the Provincouragement judges were sent and the five prize-winners in the local competitions are eligible to compete at the Canadian Na Provincial Central Canada Exhibitions and at the Provincial Winter Fairs of Guelph and Ottawa the grain and sheaves winning prizes at theso sent out to the Department and tives, who distribute their localities its growing and have an equal they supervise to them in the autumn equal quantity returned The Department supplies stencilled sacks exhibition grain and what does not win a prize is sold and the money received returned to exhibitors. As readers of The Farmer's Adre cate will recall from our report of the late Na tonal Exhibition in Toronto, prize collections from ramidal form under the a striking display in pyGovernment Building. This vear in Ontario new farmers entered the competitions, 30,000 acres of size being in use for that purpose. The average earlier years, when perh was smaller than in the acre or twenty-acre field would be on a fifteennumber of agricultural societies engaging in the competition of 1912 was 154. Vast quantities of high-class seed grain and potatoes thus become Great Britain and the United States, particularly the latter. The liberality with which the Or tario Government deems it wise to promote this.
time that this year $\$ 18,000$ was placed in the es 000 of which, howe field-crop competitions, $\$ 10$,ance from the Dominion Government

Under the old arrangement, when the Provinces assumed control of the competitions, the assist ance through the Dominion Department of Agri culture was withdrawn. Last season the Minis ter of Agriculture (Hon. Martin Burrell) author ized a change of policy under which the gran through the Seed Branch to each Provincial De partment is made an amount equal to two-thirds competitions, seed fairs and prizes for field-crop bitions within certain limits Fror seed exhil up to $\$ 50$ will be paid for each kind of crop in which a competition is held by any africultural society, the total amount not to exceed $\$ 150$. Approximately $\$ 30,000$ is available to the Pro vinces from the Federal Seed Branch for these purposes.

Of all considerations, the prize won by the competitor, though liberal, is the least important. The objects sought in holding these competitions have been to encourage the production tion and to obtain and impart knowledge of the est cultural methods. The most competent men vailable, systematically trained-in-advance, are sent out as judges, and the awards are made by score card, in which freedom from weeds and hat to grow a prize-winningerated. Men learn o begin preparations at least crop it is desirable with the land and the seed. The in advance tn observe critically his own and grower learns put theory into actual practice. The judges and cummulate a fund of valuable data in relation weed pests, smut, rust, and methods of cultivation. In the West, for example, one of the first things learned was the discouraging fact that fully ninety per cent. of the prize-winning fields were first crops from the land, showing the swift deterioration taking place in the fatuous graingrowing system so commonly practiced, which sooner or later must be abandoned for more rathat the field-crop As time goes on it is probable in form of crops and apply to other processes on the

## Independent Opinion pe Education

 Director of Elementary Agricultural Education the editorial "why of Ontario, essays a reply to Adve editorial "Why ?" appearing in "The Farmer's ground that we are doing pretty well, lakes the oo better, and appeals for united interest mighIt is nothing to the purpose to pat ourselves on the back, and boast of having the best schools partmest teachers and the best educational de doing that too long, and the worst feature been the present educational situation in Ontario is the ary rot of self satisfsction, which has impregnated the people of the province with the idea that
they have the best school system in the It is just. that sort of contentment that world. clegates an individual contentment that quickly the back-number class, and that is iust where ve are getting. Let us take a little outside evi At the Ontario Corn Growers' Convention in Tilbury last February, this subject was discussed hy an old. Ontario boy, Prof. A. F. Chamberlain, schon! teacher over thirty years ago, and ha been interested in educational institutions in Several of the Northwestern States. According o reports, Prof. Chamberlain expressed the opinfon that our rural schools had not kept pace with hoce in other parts of the world, and that we line in the last twenty years. Following this
tial farmer of Essex County, contributed a point. thorouger to "The Farmer's Advocate" s partiy in line with our views that we quot Cready's letter
back and we have been patting ourselves on the assertion to others, who by the way, pay little attention to our boasting, that we have the best we are mistaken in what we think we have that that our rural schools, instead of being the best, as we are boasting they are, are really not very
good-are really among the poorest? When I look closely, I find that my own children, thirteen and iourteen years old, have already left the farm I find ther to secure even a fairly good education. built over sixty years ago, is just as overcrowded and unsanitary as ever. I find that while the children who have attended the old school are where, they have great difficulty children anyEntrance examinations. In fact, many of the never succeed in passing at a rural school is taken up in time in this common to prepare him for his life work, if he is to be af farmer School, and none at all given the child is to that, maybe, after all, our school system really it hurt us to rural population, though words."

## Education in Ontario.

As a reply to the editorial dealing with on tario schools under the heading "Why" in your issue of September 26th, I beg leave to submit
the following statement. I do so with the object of securing for the schools of Ontario the interest and faith of the people of the province.' I believe so many people desire to the advancement that and the development of an see by encouragement It should not be forgotten by those who criti of teaching and Departments of study, methods throughout the werld at large theducation, that as at the present time in the field of education, courses of study, in the shortage of teachers, in the need for more financial support, and in the tions and find remedies honestly claimed that we are at but it can be off than most other places. And nowhere are meet the difficulties authorities striving harder to is being made and will continue to NOTHING TO BE ASHAMED OF.
Permit me to offer my beliefs in the matter:

1. I believe that there are no better sch aken as a whole, in America than those of On-
2. I believe that nowhere in America is there
better hody of teachers than in the schools of Ontario. America more carefully there are no schools in 4. I believe that there are no schools in America receiving better support from the peopie Ontario. and from the government, than those in 5. I believe that there are no schools in progress in the new whole, making for more
placed unds that are being 6. I believe that, with the help of everybody, HOW I KNOW WHEREOF I SPEAK.
In the face of the criticisms that are often made, this may look like stupid optimism. Per-
mit me further to offer some 1. I have been a school master in Ontario for grades of schools. duties have been to promote the a half years my colture in the schools through the training of to help the work forward in all other possible
ways. 3. In connection with my work I have visited with inspectors, have attended several Teachers conventions every year, have taken part in the Growers Associations and other or oranization 4. I have seen some.
side of Ontario through travelling schools out-

OCTOBER 17, 1912
have visited our College at Guelph, and from cases he is "of st" in the strongest sensen and in many them learned at first hand regarding the work, the problems countries. the schools in 6. I have made it my business to become in-
corrned regarding the schools. formed regarding the schools, particularly rural
schools, in all parts of the English-speaking schools, in all parts of the English-speaking
world, through correspondence with teachers and educational authorities, and by the exchange of EVERYBODY'S HELP NEEDED IN ORDER TO For further progress we must use the means made from quarreling with is little gain to be should not be forgotten. We must expect to forward slowly in a cause that can advance only in proportion as the general interest of the
people at large is aroused to make demand for progress

## Let everybody help

Director of Elementary Agricultural Education

## 4 When They Learn.

Heople will stand for restrictions on movements of commerce and labor until the effects of these become acute. Then the demand for relief grows loud and insistent. Instances: Temporary reduc tion of duty on cement importations to the West, harvest help for the Prairie Provinces secure growing American demand for lower duties th foodstuffs. Immense aggregate burdens are patiently borne, a little here and a little there, so as the load does not ride too heavily on any one spot. Until then, people merely complain knowing why it is so. The realization of some ne big drain or tax opens their eyes and teaches a lesson in first principles.

## HORSES.

Autumn is usually a good time to buy horses,
but a poor time to sell.
Considering the comfort of the horse, and the weliare of hic feet and legs, there is n
flooring for the box stall than hard clay.

Change the colts from grass to dry feed gradubrought in for the night, and allow them on grass during the day. $\qquad$
Few horsemen can afford to do without bra din their winter feeding. Its loosening effect upon they are on dry feed, and besides it has a high

When harvesting the turnips, store a few in a convenient place for the horses. There is no
better system regulator for them, and they eat them with much relish when once accustomed to

Take care of the colts' feet. Keep their toes
short. 'The best way to do this is by exercise, but sometimes they grow out even when consider
able of this is given. Under such conditions it is necessary to shorten them and level up the
foot.

In feeding the horse or colt which has been on pasture or dry feed, care is necessary to keep up
his appetite. Feed lightly on hay and keep his
maneer manger well cleaned out. Do not feed too much. than to have to coax him to eat on his appetite

Keep the poultry out of the horse stable. lousy and hen roosts in the horse stables mean
See that the pullets in search of house, for horses and hens do not go well in the
same building.

No hoise was ever intended for close confine-
ment. It is well to remember this at stabling
time. and arrance to ment. It is well to remember this at stabling
time. and arrange to give them as much exercise
as Mosible. Work is the most nrofitable, but as Wosihle. Work is the most profitable, hut
wh...ne thre is not enoumh of this for all the
hors.

Cases he is "off" in the strongest sense of the term for him. He needs year is not enough to care much as during the breeding season, if his useful ing is not to become impaired. Judicious feed the year.

The place for the horse-blanket at this season of the year, if the horse has been driven and is
warm, and is compelled to stand for some time in a more or less exposed sosition for some time its fullo size and securely fastened spoead out to cover the horse. This is thed a to best chill and other complications, and prevention is

When buying a horse, take note of the general
health and condition has stood condition of the animal, and how it If severe distress is noticed, coupled with an apparent high state of healthy conditions, look out or evidence of drugging, especially with strong y unscrupulous dealers to produce an artifical appearance of good condition. After severe exrivid red, and sometimes a blue, line along the gums, and also at times by severe diarrhoea and to hide the incinient use of digitalis, in order will be detected both before and after exertion wind an intermittent pulse. The use of cocaine, opium don by the can be detected during the examinarupil of the eye and varying of the size of the breath after galloping.-Horse World.

Fall Cape of the Work Horse

## Next to spring seeding fall is perhaps the

 busiest season for the work horses on the aver age farm. There is after the harvest cultivation often necessitating a silos to fill, roots to harvest other teaming to do and as time goes on andwinter approaches, chilly winds, cold winter approaches, chilly winds, cold rains, mu
and slush, add to the troubles. It is not al
It ways the easiest matter to keep the horse in good heart, his coat sleek and prevent his losing flesh summer's work, all his energies are required for one last rush to finish before "King Frost" shuts off further work on the land for the year. A necessary on the part of the teamster care are It is never good policy to allow the horse to get run down or thin in the fall, as it means extra feed during the winter to bring him up to his usual good fit. Consequently it would he
much better to add an extra quart to his prain ration during this short but trying period just beore winter, and by a little extra cleaning and at-

Macaroon (15936)
tention counteract as much as possible the unfavorable conditions, which combine to deplete the horse's blood is thickening up in prep season for the cold winter to come. His coat is also protect him in thick natural blanket intended to protect him in all kinds of fierce gales, and low
temperatures. and when at work in the field-the days are often quite warm at this season-he perspires copiously and his hair being very thick and often quite long quite wet. He must be kept out of draits or chills, colds and worse complications may result. It is a common sifigh when going to the stable after the evening meal to find the work horses dried off by the next morning, at time to prepare for the next day's work. This is hard to remedy, and often it is impossible to get the horse dried ly to his comfort. Even if the horse's coat is wet in spots, a thorough currying and brushing should be given every night after the day's work. This at least straightens out the hair, relieves a the skin, due to dirt and perspiration adhering thereto in a gummy state, and leaves the horse in a much better condition to enjoy his evening meal and his night's rest. With his hair matted his skin clogged with dirt exudation, the horse cannot be comfortable, and his condition at thi or any other season depends largely upon his comfort. In the morning before going to work spent in this manner is time well spent, for less
difficulty is experienced in difficulty is experienced in keeplng the horse in condition, and he is in better heart to tackle his light blanket at night might be an advantage At any rate it would aid in keeping the hair short and the coat bricht and glossy, and would in this way, be a factor in the prevention of ex-
cessive perspiration. This would save much worl in cleaning, also a short coat would mean less dust and easier cleaning.
These remarks apply more particularly to the body of the horse. The legs are perhaps the nost neglected part of the horse on many farms ring temperatures mean slush and snow, and lowtogether mean clods frozen on the horses fetlocks. dustv legs which when not well cared for result ny of fever. or scratches or some form of these, any of which is hard to treat under prevailing
conditions of weather, and work to be accomolished. Heat and cold operating on the skinaalternatelv, wet, friction, pressure and dirt are These diseases, and all these or local causes of force upon the farm work-horse in the late days解 autumn. When the mud clings to the horse's legs. the first impulse of the driver usually is to
wash the mud off with orser wash the mur off with warm water. Washing is

thoroughly dry immediately after each is washed ble. The colt is the horse in the making and This is impracticable with farm horses under most value when mature depends largely upong his feedconditions, so it is better to avoid washing altogether. The accumulations of mud and snow
do not as a usual thing reach the skin clinging to the ends of the hair. These clods will soon dry and may be brushed away which is the best treatment, but they should not be left on longer than the time required to dry them. Dry cleaning of horses' legs is always better than
washing during the fall work washing during the fall work. Clipping the should not be practiced, as it is a fertile cause
$\qquad$
The horse must be kept in a dry, warm, comtion to the demands made upon his system by extra work and changing weather conditions; and as far as possible do not overheat him, or yet
allow him to become chilled, and keep him cleanallow him to become chilled, and keep him cleantime daily, and give him a comfortably bedded stall, and a full manger at the end of each day's labor, for day

## Weaning the Foal

As the autumn grows into early winter, th many colts which have not already been weaned, a critical time in the colt's dams, and as this is put forth a little extra effort in his necessary to his growth is not injured by the more or less ad verse conditions which of necessity are associat ed with this separation. Where the mare must
do her share of the fall work it is het colt be weaned earlier, but many there are who do not take the trouble to stable the colt by quite over. By this time, especially if the not has been worked hard during the season, her milk how is getting quite scanty, and under most conand good roughage, would do just as well grain as food is concerned if he were separated frem tal dam. The important question is, has the col been taught to eat grain and other feed? It is on grass, has had the opportunity with his dam ing his milk ration by foraing an has no special attention as to feeding. Under such circumstances he can scarcely he expected to tak hold and eat oats the first time the opportunity is given him. Such a colt should not be weaned
until he has learned to eat, and the quickest way to teach him to do this is to let him eat with his mother, provided she is not ugly with him Which is sometimes but not often the case, or to clusively may eat at leisure. If he which he ex ore being weaned, he will receive little setback from the standpoint of nutriment by the loss o The hardest thin
oss of the companionship overcome is the actual causes the colt to worry and fret. Horses are nervous animals,, and the colt being deprived of his "best friend," often spends much time in run-
ning up and down his paddock or stall neighin pawing and whinnying in a vain effort to find an escape which may lead at least to company of his kind, if not to his mother. To take the place of
his dam the best possible substitute is his dam the best possible substitute is another age little difficulty from fretting is likely as they can be turned together and the presence of an other colt seems to drown their trouble to a
great extent. If a colt of his own age is not available, use a yearling or two-year-old is no range the feeding so that the weanling gets his Fhare of the feed given.
For best results it is necessary to keep the
foal which is being weaned out of sight and hear ing of his dam, as weaned out of sight and hear-
ime they see or hear each other only serves to prolong the period of fretting by reviving their memories.
The main point in the weaning The main point in the weaning, all things con
sidered, is feeding the colt. On no account the feed. Give all he will not keep the manger full of stale hay or stale oats. Just feed that amount which is readily
eaten before time for the next feed. There is eaten before time for the next feed. There is
nothing better than crushed oats with a little bran added and some authorities advocate a little boiled linseed. Start the colt on a small quantity of grain and increase it as his appetite
warrants and as colder weather approaches. warrants and as colder weather approaches. A
little clean, sweet milk can often ittue clean, sweet milk can often be used to ad
vantage at weaning time. It is well to com mence with whole milk. Gradually substitute sweet skim milk until it entirely takes the plac
of the whole milk, which in too large quantity is of the whole milk, which in too large quantity is fulness. Select the best of everything in the way easonably warm and thriving as well as possi-

## LIVE STOCK.

## A few feeding lambs are renerally a

 estment. They require little space, are easily bring comparatively quick returns,Fertility of the soil never wan
stock farming is practiced, provided a judiciou is made of the manre id orop rotations.

Early spring litters are desirable, but unless arm place is available for the sow at farrowing, such time as warm weather would be assured at the time the litter arrives.

Stock feeding offers ample opportunity for the
exercising of business ability. It often happens
that feeds on hand may be sold at good profit, their place in the rotation being taken by other er price. Dollars may be saved in the fattening
of the stock in this way

Have you had good success from the rape
pasture this fall? Perhaps its need has not been welt to such an extent as in seasons of drier dry again, and in any season wet year may b is a good pasture. Shaw estimates that one average acre of rape will produce from 200 t


Two-year-old Oxford Ram
First prize and champion at Toronto and London, Owned and exhibited by Peter Arkell \& Sons

When the feeders are first put in the stalls d not inake the mistake of crowding too much feed
to them. They have not been accustomed former large concentrate ration, and they are not capable of making good use of it. They must be fed up to a full ration gradually or they will go
"off their feed," and fail instead of gain in flesh. at a loss to the feeder. It is also advisable to commence with some of the lighter grains, and rradually increase the degree of concentration as
fattening uroceeds attening proceeds.

The time for stahling the stock is near at wet day can often be very profitably emploved in Apaning up in preparation for the winter. A pond sweeping including ceiling, walls and floor, cobs, and an application of whitewash will drighten things up, and put the stable in a more inter. The degree of finish which it is possible to get
on an animal in a certain length of time, depends
argely upon the condition of the animal at the
in fair or good condition in the beginning, and dition. Thely to reach the highest finished con. to a large extent the of finish is what determines When buying feeders it is safe to pay a consider able margin more for the cattle in good condi tion than for those very thin, as a good deal of time is lost with the latter class in adjusting they are not nearly so likely to reach the and notch" in their finished state.

Fapm Cuping of Wiltshipe Sides. There is no meat just quite as good as home and the farmer is is especially tion to cure his own and thus get it at first cost. ing on the farm in the current report of-curTransactions of the Highland and Agricultural Society of scotland. The curing pickle recom mended is 14 lbs . of salt, $1 \frac{1}{2}$ lbs. of saltpetre, $1 \frac{1}{2} \mathrm{lbs}$. of dry antiseptic (boron), $1 \frac{1}{2}$ lbs. of cane
sugar and 32 lbs . or $3 \quad 1-5$ gallons of water The total bulk should be five gallons and should all be mixed together, boiled and skim,
med until clear. The liquid when cool should give a test of about 95 degrees F . on the sholinogive a test of about 95 degrees $\mathbf{F}$. On the salino-
meter and if it is shown to be weaker than this
figure it should be brought figure it should be brought up by the addition of salt. The pickle should be kept in a clean bar-
rel or other receptacle in the curing-room, and rel or other receptacle in the curing-room, and
should be drawn into the pickle-pump when should
wanted.
To cure the meat it is necessary first of all to fill the pocket-hole in the shoulder with a small of saltpag containing salt and about 5 per cent. of saltpetre and dry antiseptic added. The sides
should then be pumped all should then be pumped all over the fleshy parts inserted and the pressure maintained at about forty pounds per square inch. As soon as this is complete the sides should be sprinkled all over
with an equal mixture of dry antiseptic and should then be laid on and floor of the curing-house. When in this position the belly part should be raised by means of an oak stave so as to form a saucer with the ribs
and the side should a fairly heavy layer of be sprinkled over with treated the same as the other, the first one being laid in a bed of salt on the floor, the others be-
ing laid one by ing laid one by one with the oak stave under
the belly part on the they reach the height of about six side until where room is not available, a greater number may be stacked in this way. U Usually number
farm, however, the farm, however, it is not necessary to stack the
sides very high. At the end of fourteen days
the bacon sides very high. At the end of fourteen days
the bacon will be mild-cured, but for ordinar farm meat will be too mild and it will be necessary therefore to sprinkle a little more salt on for fourteen days them to remain in the cure that the bacon should be kept for it be intended The bacon will be somewhat salty, but will be proof against rust and will keep in that condi it is taken out of the cellar, and if there is any The bacon is then hung up to dram the sides
be turned it may be turned in the cellar rind oupain or it may
get rid of the excess of pickle. This so as to get rid of the excess of pickle. This will occupy
three or four days, after which the sides taken out of the cellar and hung in a may be loft so as to dry. It is a mistake to hang them
in the kitchen, as the putrefaction and rust. varying temperatures cause smoked bacon, thist. If it is intended to have smouldering some oak sawdust in a ponfined space
in which the tacon in in which the bacon is hung. A large barrel is small smoke-house can be this purpose, but a twelve feet high. or four feet square and almost pretty hich up, and so it is smoked with hung In the curing it by far the best flavor much the same as in the curing of bacon. pretty
ham is trime ham is trimmed so as to make a shapely. The article, fterwards. The hams are not the cure as also allowed to remain there thrown into a pickle, and hey are taken out and the overnight. Next day the blood-veins. The needle of the squeezed from
inserted als then inserted along the blood-vein in each ham, and
one stroke only is one stroke onl. is given so as to ensure that
some clean pickle has reached the dangerous
parts. such us the rimed is closed with the finint. The aperture and the hams ntispetic with a mixture of saltpetere and dre antispetic, then salt in in of saltpetere and dry
hacon. The same way as the
curing of hams, that for a mild-cured article a
day should be allowed after the first three days
for each pound in weight, and for a ham to be for each pound in weight, and for a ham to be
kept any length of time, two days should be al-

## IHE FARM.

What an Amateup Fapmer Saw In Dublin, as afterwards throughout Ireland, we found donkeys, little patient beggars, small
out of all proportion to the carts and loads they out of all proportion to the carts and loads they pected, notwithstanding all we had heard had exdonkeys. Upon the streets of some of the small At Drogheda, on the Boyne, some three miles. from where King William crossed the three miles and made history and romance, a young farmer monly soid at from one pound ten to three
pounds. One of his neighbors had recently sold pounds. One of his neighbors had recently sold
one to an Englishman for seven pounds was an extra-fast and good animal and but it moreover, well sold. The same informant told
me that wages paid an adult farm hand in the part of Ireland were about five shillings a week was confirmed or twelve shillings without. This county. The Wexford farmer, living near Ferns told me that a good farm horse there would sell
for about thirty-five pounds, and a good horse the hunter type (and the Irish hunter is a type rather than a breed) for eighty to one hundred pounds and up. There are, however, many
"misses" in breeding hunters. At and around "misses" in breeding hunters. At and around
Glengariffe in the south west of Ireland we were surprised to see the high, luxuriant, blossom-
laden fuchsia hedges, and palm trees twenty-five to thirty feet high, growing splendidly in the open
without having had any winter protection. Even in without having had any winter protection. Even in
the more northerly part of Ireland fuchsias grow all year out of doors, but not so luxuriantly as in the south. From Glengariffe we travelled by motor about sixty-five omiles by a tortuous course
through the McGillicuddy Reeks, and other mountain ranges to Killarney. But little of the ever, vield peat, and peat bogs were everywhowand cattle, sheep, donkeys and goats pastured upon the hillsides, with some tilled land in the
valleys. At Killarney the pretty little Kerry cattle were in the home of some of them red and all of them highly black, by their owners, as are also the little black Dexter cattle, popular in the same district, not any
higher than the wee Kerrys, but somewhat more higher than the wee Kerrys, but somewhat more
blocky and better beefers. From Killarney
Limerick, the "City of the broken treaty.", P'atrick's Well, near Limerick, we visited a farm of somewhat over fifty Irish acres, (eleven Irish
acres being equal to fourteen Fnglish acres being equal to fourteen English or Canadian
acres). Here I saw, ready for the mower meadow that looked as though it would yield a dady and very thick hay to the acre-it was me that she had and managed the farm, assured and that this field had been in grass during the whole of the time, and for probably twenty vears had heen frequently fertilized done, but the field had heen frequently fertilized, sometimes with
barn-yard manure and sometimes with commercial fertilizer. Some years the field was pastured thatched roofs, which many of her neighbors used, she said they were warm in winter and cool in
sumner told me that they sold their lambs in September
for for 28 to 30 shillings, that their land being
rather light they followed dairving, and the raising of store cattle and sheep, but did not fatten
cattle. At Limerick, after visiting the harbor on the
Shannon, the largest river in the Kingdom, the a shorte, the treaty stone and other sights, we spent a short time at a pig fair. It was well attended,
they were trading as is anly done Fair. Our jaunting car driver told us we would only see "boniffs" offered for sale, and he explain-
ed that a. bonift is a small Who wants a pig not for immediate killing but to feed. Men and women were there to sell and buy
though the buyers protended difference. I noticed one woman standing in a small cart with three chunks of pigs at her feet on the floor of the vehicle. It made a full cart.
With prosnective buyer by the lapel of his coat, and
dwell earnestly upon the merits of the divell carnestly upon the merits of the animals he
had for sale. One shouted to another with whom "JJust in a whisper now, we'll make it four offdacent luck penny now at twenty-eight." "a
knowledge too, when dealing in such a market asked one of the visited the public schools. burned. He sat coal would cost the peat they shillings per ton and peat only about 5 about 28 shillings, und that a ton of peat would be equal in fuel leaves a red, some a grey of coal. Some peat great deal of ash, andl other peat very little thes a lower the denth from which dug the better the
peat. The Irish "ho peat. The Trish "bog oak" from which is made various Irish ornaments, as crosses, pipes, harps,
towers. etc., is from oak trees found buried in the lower denth of the peat bogs,
In Ireland meadow sales are often keening the local auctioneer of a neighbor much more pro'onged than ours. The following


## Chester White Sow

First in class, and champion, Western Fair, London
1912. Exhibited by W. E. Wrigh
1912. Exhibited by W. E. Wright \& Son, Glan-
dfice in Mullingar office in Mullingar, for a sale on July 17th. I the 19th and 22nd of the samer similar sales on the 1 and 22 nd of the same month. MEADOWS
J. DONOHUE has been favored with instructions from Mrs. Anne Kiernan

On Wednesd BY PUBLIC AUCTION
On Weunesday, 17th July, 1912
AT FAIR GREEN ROAD, MULLINGAR,
14 acre:s prime Old Meadows, in lots to suit
purchasers. Terms and Conditions at Terms and Conditions at Sale.
Sale at 5 o clock.
JAMES DONOHUE, Auctioneer, Mullingar. Examining the farm implements in a.Mullingar had come from Aerican some of their stock and Irish shops. Noticing a mower made in Wexford, I remarked that I did not know that any farm implements were made in Ireland. The agent replied that the Wexford foundry sent its Italy and other parts of the continent and to to the Argentine.
fast, to Stranraer Sco up the coast from Belvelled at the mahy yery large, We rather mar way from Stranraer to Ayr and wero told the potatoes are now the most important agricultur-


Violet 3rd of Congash.
HIghind soldier; these splendid, heatherer-ceading
al product of Ayrshire. Many large fiflds had alt ready been dug to supply early potatoes to Ardrossan to Lamlash, on the Island of Arran. The island is about twenty miles by twelve, and land, especially towards, with some good farming that less land is cultivated on the island than in former years, because of the greater depredations From Edinburgh we travelled north by the manufacturing, farming and coal-mining country, and then into the mountains, the peaks of the with patches of were here and there ornamented places, still bidding defiance to a July sun. The cenery was fine, but there was but little attempt gave little chancen. The rocky mountain sides pastured upon the heather-clad hills. The med or 'bell" heather was in bloom, and radded much to the beauty of the mountains. The "bog"' heather more highly esteemed, for its somewhat later and is soon fade as does that of the bell heather. It is said that fire often runs through and destroys he heather, whose place is then taken by a fern tance south finvernesg will eat. A short disNorth Highlands, a better country is reached the Saw there as good fields of oats as I ever saw. Firth, through fairly north to Fowlis on Cromarty the way. The kindly Sootch station arent all 'owlis told me that the country continues good for about 25 miles further north, then more a bleak and unkindly climate weyond level land, but verness we travelled by steamer down From Inonian Canal south-westerly, to Oban, the preted Western Hiphlanduated commercial capital of the day, made more interesting a most enjoyable castles all the way. Here again we saw ol stacks, and much hay and pasture, many cattle fields. I was surprised sheep, but not many grain the Highland cattle not to have seen more of officers on the boat that they had taken thirty head of them into Oban on their morning trip, and a butcher in Oban told me that many of them Skye and along the mainland on the Island of any other cattle are kept to stand the severe climate and scanty feed. They are worthless as dairy cattle, but make prime flavored mutton they had was from and best faced horned sheep, a carcass of from the blacktwo hanging in his shop. He had last year sent are very hardy End pield for stock purposes. They as we went from oban througheece. Next day, country by rail, steampr and coach, Trossachs cellows with bricht the Highland cattle-proud ellows with bright, bold, outstanding eyes, long, coats of red, dun, brindle on very erect heads. hair, four or five inches long and sometimes white broad-chested and with a fearless and dignified hearing and mien equal to that of the proudest
Hier; these splendid, heather-feeding
ern shows. Owned by J. D MeGreg Ottawa; also champion at many West
fellows forage for themselves, save probably one severe winter storm. Our Trossachs trip ended at Ang country is from there to Glasgow the farmoats, and plenty of grass, Clydesdale horses and Ayaring to be the popular dairy breed in Grire apBritain and Tretar
esting conversations with Mr. Sutherland inter farmer and school teacher from Caithness, a gian said, "at the top of the map." I said to him
that I had concluded, after reading what tural papers I had been reading what agriculBritain, that the British farmers used pick up in commercial fertilizers than we do in Canada. Ho replied that they do use a great deal, and that they cannot profitably farm without. He said cattle and sheep, sending two-year-old steers store one-year-old lambs to be fattened by farmers further south. He said the Shorthorn was most comis being more used than formerly polled Angus considerabte amount of tuberculosis among the horthorns.
In concluding a randobling letter, let me say that of a trip, but rather to jump from give an account and touch upon whatever I saw to interest point, onnection with matters agricultural. My observaclusions
f good reat advantage to a farming community That one should think twice, and then several e cutting dow should have many more shep on lands adapted, That we can profitably use
cial fertilizer than most of us much more commet That we can well do with less expensive, than are seen on many Ontario farms That we can easily better adapt
of farming, and the crops we grow our methods feed, to the peculiar character and soil of our
different farms, good and successful farming on one farm would be be bad farming and quite unsuccessful on another farm in the same neighborhood.
That while we cannot have
and pastures as they have ave permanent meadows and pastures as they have in Britain, we can make
up for it by growing corn and filling silos as they cannot. while we, because of the
That wreater of our land and the greater cheapness of theapness labor, cannot always, with profit, farm as carefully as the farmers in the lands across as the At
lantic, it will pay us to approach their lantic, it will pay us to approach their careful-
ness and avoidance of waste much nearer than we That while it will pay a man of sufficient ca-
pacity and capital hetter to well farm 200 acres
than 100 , there are many farmers making much tess money improperly cultivating making much
large farms than they could make more easily and with less That we make a mistake when we conclude shat Old Country farmers are for the most part prise. We are in at least as and lacking in enterand quite as much inclined to get into ruts and That unintelligently.
portunity to make a living, has as good an op-
for a rainy day and advantages as the tiller sof the and has as mail in any other part of this good old world.
Grey Co., Ont.

## Whole Ensilage.

An American agricultural paper relates the exthat uncut bundles of corn may be put intays silo. The method of ensiling the uncut corn is as follows: The bundles of corn are bound with
tarred twine. The bundles are then placed in the silo in regular order, the butts all one way, tops lapping to right or left as the sheaves are woven in. They are dropped in, one at a time, over a
chute, so they reach the middle of the pit without interfering with the men working there,
They come out in the reverse order with trouble. If the silo is a good one, and the whol silage packed carefulty, it keeps well and is as
closely eaten by the stock as if cut. closely eaten by the stock as if cut.
Does "The Farmer's Advocate" know anything of this method of curing corn? It it is uryed ing
favor of this method, that it does alway with the expensive machinery and other costs incident to

INote.- This idea was tried in the early days
sito experience and given up. The labor

## and the inferior keeping of silage made from whole corn, particularly around the sides and in the corners, far the corners, far outweigh the economy effected by

## Home Growing of Root Seeds

## Notwithstanding the fact that the growing

 corn for silage is increasing yearly, and upo latter crops still hold an important crops, the Canada's agriculture. Ontario alone nually upwards of 100,000 acres of swede turnins and nearly 70,000 acres of mangels, to say nothing of the acreage of sugar beets and carrots Roots still have their place in the winter feeding our live-stock, and every live-stock farmer who can secure the labor to care for the crop recognizes this fact by growing at least a small acreage to supplement his silage and other roughage, in the winter ration of his cattle, sheep and strine, and occasionally horses. There is no the stoci They keep among our farm crops than roots. system active. They luse and the digestive ration much relished and a succulency to the able in any other stored stock, and not availactual feeding value, as far as beyond their nutritive ioòd properties contained and -they act almost as a condiment when fed with other feed-they have a value which no feeder can afiord to despise. The root crop is still ar can important crop, and will continue to be so.Sced selection is as years go by receiving more
attention from farmers generally. It ha steadily in connection generally. It has grown cereal crops, grasses and clovers, but important are annuals, and seed is produced from the these ach year. Th's is not the case with roots which, te Because of the amount of labors to produce seed. involved, and because in the past there has time a fairly large supply of these past there has been at comparatively low prices, few Canadian farmIn fact root seeds have not been own seed. grown by seed companies in this been extensively
being the source being the source of the supply of most Canadian be secured in Euronean for this is that labor may cost than in this country, thus enabling ero lower over there to put out the seed at lower prices than Canadian growers could do, and make a Root seeds are a source by which many noxious worst of these pests have of th turnip, beet and carrot seed. Clean farms are not in the majority, and it is important that
those which are not now rendered less productive by the ravages of weeds, be kept clean for tant that the owners of those already infester plants, and the first ort to get rid of the robbe sowing of clean seed. It should not be difficult for the average farmer to grow enough difficult turnip seed for his own use, and it should not be any great amount of trouble to harvest that seed
without having it become contaminated with foul
weeds weeds.
Vitality
is of first importance in the of any seed, perhaps more so with root seeds than
with many other classes. It is well-known that Che Old Country seed-growers seldom send thei
best seed to Canada. This may be partially he
cause we have inday cause we have in the past demanded partially be
and they sent us what only natural, the greater portion of of their it is
being their home trade, that satisfy their largest customers-home buyers. The quantities. Reots require a maed is sold in large labor, and to be a profitahle crop a good stand
is imperative. Old seed does not quickly, so easily, or yet so strongly as does new sowing it. Mangel and beet big risk involved in ferm inoisture for germination even whensiddry hot time when turnips are often sown in a These seeds can ensure even germination. root erowers do not feel like naying our seedmen int the huch,... on a large warrant their seenmen
country with home-rnown seed why
 avatan ${ }^{2}$ and

OCTOBER 17, 1912

## A Word with Farmers.

Editor "The Farmer's Advocate":
The diffulties and drawbacks of your calling are not to be set aside lightly. You have much to cause you anxiety, and sometimes not a little
annoyance. You are at the mercy of the weather and the markets, not to mention accidental blight We are more than sorry for you in a sunless rainy season, such as this has been, with the gran laid flat, and the harvest prospects not as good "sad in former seasons. Yet your life is not
all "mud misery," for there are some things to counterbalance the drawbacks
you healthy and helps to make you hat keeps you healthy and helps to make you happy. Your
weekly visits to town are pleasant breaks in the routine of your lives, and townspeople often envy
you as you drive along with your smart horse and huggy. But what about your farm workers, and the conditions under which they live and
work. Is there nothing you can do to improve work. Is there nothing you can do to improve
the well-being of your farm laborers? Think of for ourselves, but what we have tried to do for
others, that counts most at the Your married worker needs your help and sympathy. He has a wife and family to keep,
and his services to you will be all the more devoted for the kindly word and kindest act on
your part and that of your "missus." It is human nature to value highly appreciation and and your work will proceed all the more smoothwith it. Your married workers are anchored and steadied with the care of a household, and the responsibilities of a family. But your un
married men are on quite a different footing. It married men are on quite a difierent footing. It
is your duty, and the good farmer will not shrink
it, where a free house is provided on the farm to see that it is comfortable and as home-like as
in the circumstances it can be made. Lastly do you not think that an occasional half-holiday as a benefit to yourself? It is worth consider ing and weighing carefully all that can be said both for and against. and you will look at both
sides of the auestion before coming to a decision.

Weed Seeds Measured as Gpain. Editor "The Farmer's Advocate":
Knowing the editor of "The Farmer's Advocate" to be an up-to-date farmer, as regards the gladly insert the following, as a warning to valuabs in general, wise threshed on own farmi and have been at threshings the last twenty-six years and over, and have always
noticed as separator pulled out of the barn after threshing a pile of bad weed seeds, the pile varyne according to condition of the farm. I have
seen as much as ten or fifteen bushels of ragweed,
histle, mustard, etc., seed, that could be burned un with little trouble, On the contrary this year ont there was not one quart of noxious weed
seeds there. Where are they? The farm has still a number of noxiours weeds among the grain at threshing time. My idea is they are in the
straw stack (that is a few that will not grow, perhaps.) The majority have gone in among the grain, and been measured at the rate of 3 cents per bushel for threshing, to be fed to horses, cows, etc., and go out in the manure next year
to reproduce their kind fifty fold; so if there
should crop will be a poor grain crop, a good weed
benefit, Perhaps it is a new threshers' financial of separator: benent Perhaps it is a new kind of separator:
if so I advise the farmers to employ a thresher
who owns one of the old machines of ten-yearsago manufacture, if he wishes to keep even with noxious weeds. Some may say you can run
them through the fanning mill. How many farmers are there who clean up the grain they
feed on the farm? If that is not sufficient argument agaiust running them down with the grain,
who wishes to pay 3 cents per bushel for the distribution of noxious weeds this year, and then
increase a:ad so on? Note--We fully agree as to the importance of
carefully separating noxious weed seeds from the
grain at threshinr but we believe nearly all
 well to keen an eve on the matter. The thresher
man who did our work this year not only separ-
ated the weed seeds, but also some six or sevel businls of flax seeds grown with the grain, re-
fin.
on pay for threshing this quantity. Of


THE FARMER'S ADVOCATE
point the comment of a local company $m$
facturing threshing outats will be of interest.
Edtor "The Farmer's Advocate
"We partially agree with the writer ate article, that the farmer whould be writer of this
to see that the threshing machice to see that the threshing machine he engages to
do his work is properly fitted for separating the noxious weed seeds from the grain, and not al wing them to go out in the straw our machine always been very particular with screens to take out all noxious weed seeds the so liyht sifted out. There are some seeds that are the chat. $1 t$ is in impossible for a the shoe with
machin chaff and straw. the "There should be strenuous legislation agains the spreading of weed seeds by brow farms, and machine shoull be thoroughly cleaned out before barn to barn. (o) as not to carry seeds from the new nererence to the writer's contention that machines that have no device for separating somed
seeds. the names.
gaging a thresher, farmer to ascertain before en-

## Electricity on the Fapm

 Electricity seems destined to be: the farmer's of Ontario is commission campaigh, and is arousing keen interest among armers of Western Ontario.In addition to some individual farmers have of the Commission enterprise in testing electrically driven machinery on their own farms. The experience of farmers in such a matter is of considerable interest. R. Beaverton, Ontario, has furnished official publication called "Conservation", some details concerning the use of electricity on his farm
"Electricity costs me $\$ 175.00$ per annum at
the farm for 100 lights and 20 HP an This low rate was secured from the in motors. company for the reason that they had power go-
ing to waste, and wished to get some return it. The power company built the line to the farm (two miles) and put in and own the 'raus-
formers. I wired the farm buildings, and all "Iner relation to other powers as to cost, you can readily see that it is much cheaper than any other form of power, except possibly that which
could be generated by water, if we had it We run a most efficient power for farm purposes, We run our milking machines, pump water, grind
feed, cut hay and straw, cut, wond run other machinery where helt driving illos, and and have no trouble in any way. The motors need but slight attention, which is more than can be said of any other power available such as
steam or crasoline, both "Its advantages are - which we have uséd. Ease in moving power unitse from operation. (c) required to light weight. (d) The little attention Mr. Gunn claims that electricity can be cer ated profitably by the farmer :s water-power available, and he is inclined t. We view as expressed to "The Farmer's Advurate" that where
waterpower or other electric service is not able, it would pay to generate it with gasoline power for lighting houses and barns, and for use on some household articles where direct tasoline-
engine attachment is impracticable engIne attacchment is impracticable. He further
states that the insurance comnanies show ference for the use of electricity if the wiring is done by a reputable firm of electricians.

## Perennial Stitchwort

Our Loochaher Bay, Que., correspondent writing
of the Perennial Stitchwort, an imported is bad on about half an acre in one of his best ed has been in erain two years and hay ne observit quite smothered out the grain and young grass This is an innocent looking plant resembling What it can "O. its nerennial root and phows
seeding power. The former meadow, and the The former maintains it in the

From Leamington to London.
yields the ural pursuits such delightful pleasure and profitable enjoyment as that of early autumn. In jurneying between the above mentioned points the travele lraverses one of the most richly en dowed and Whie sections in our fairest of fair provinces. While the harrest of early cereals has lawny stubble, sufficient evidence to demonstrate he abundance of har vest reaped. But that which makes a trip at this season enjoyable is the fact attention to the harvesting of is devoting his able crop. tself, your correspondent gladly availed himself of the privelege. The trip was not accomplished by palace-car or swiftly-propelled automobile,
but in an onen buggy behind a slow-guing but in an open buggy behind a slow-going draft
horse. Whatever may be said against this slow mode of travel, it has its advantages. It affords
mode ample scope for observation, and likewise oppor
tunity for conversation. In pursuing this mptho he traveiler is able not only to note carefully the varied conditions in rural districts, but also Others, the processes which gave use the different discernible phases in agricultural life, To at far as possible without lengthening were avoided as far as possible without lengthening the distance we were prepared to meet with many changes which we believed would await us in a drive
which took in part of which took in part of three counties. The com
parisons drawn between the methods pursued, character of crops produced, and farmin line of farming followed, were valuable to the so journer, yet space is available to the recording of through the now far-famed corn lands of Mersea East, Tilbury and Raleigh. Here the eye was ravished with a view of such crops of maize as are
rarely witnessed in with golden tassels rustling in the rind of cor a miniature forest of bamboo, while from the many-rooted stocks hung suspended ears of richly velvety covering, as if anxious to display its beauty. Here were also to be seen not a few ruit, and bending beaneath a weight of choicest Walker, 11th Con.. Mersearticular that of Mr. nention. Nowhere in our journey did we behold vuch i.pples and pears. Trees were neatly and Soliage gruved. The clean trunks, limbs and diark Ling through the noted Chatham Plasint. Pas embleng clay deposits (bearing a striking restates or to the bottom lands of the Western the damages wrought by continued wet observed during August and September, in stooks weather armyards. the fields or stacks growing green in lmost impassable for heavy traf. roads were than one threshing for heavy traffic, and more antil conditions altered. Leaving Prairie Siding eriontered a much older-settled section of Onneglected and noted sorrowfully the dilapidated, time heautiful homestead. Weeds luxuriated oneevery side. Fences were sadly in need of repair Buildings bore traces of many a hard-fought battle against the elements of nature. Pheir broken and bent. Doors hung upons were hinge or lay prostrate along the ground, venerable orchards displayed a most forlorn and dething more prominent in many section were if any sing eastward from Chatham sections after pas Thames. Many farms still retain the old rail hidden by a tancle of wild fance almost entirely derbush, an abundant fild fowers, briars and un observed wherever the gaze turned, while the was most entire absence of both cattle and sheep wa especially noticeable. Indeed one of the most
freauent quest'nns as I can buy a-number of cattle '", "The know where such a scarcity are several such as being com pelled in former years through the scarcity of
fodder to dispose of stock, the difficult perience in procuring laborers to either till the soil or perform the winter chores. One the farmer, the possessor of pour hundred ane aged
just such land, said the lurements had said the Prairie land and city al
and mabed him of five stalwart sons, labor circles an imposcibility of to-day is not so much the procuring of men to
man western harvest-fields but men, strong, stalwart, scientific men to tits. the rich soils of Kent, Fssex and Middlesex, now
lying idle. The man who will successiully solve
the vexatious labor problem of our present day lost from the soil by the drainage than any other
will be worthy of emperical recognition. Around will be worthy of emperical recognition. Around
Thamesville there are a goodly number of farms manifesting a spirit of thriftiness, but it was when the neighborhood of Melbourne was reached that we found ourselves in one of those rich
dairying sections scattered over Southern Ontario. Here again corn was in the ascendency not for ripening but ensilage. Fields of roots
were in evidence, while herds of sleek well-fed ows were pasturing on every side. A few miles once witnessed is not easily forgotten, where the broad valley of the Thames stretches away to the rich lowlands we return northward by way of Lambeth to London. Here also may be seen neglected farms. Nearing the city we passed the ow widely known "Advocate" farm, Weldwood, King in his description of Mt. Zion apply here, "beautiful for situation is Weldwood." As a wellwatered portion in a desert, or a cultivated oasis
in a wilderness, it stands as a demonstration of what can be, has been, and is being done by following safe, sane, scientific lines of farming, within easy reach of every enthusiastic, energetic, soil
tiller. What is wanted all over southw, Ontario is iust wanted all over southwestern up-to-date farming as may he noted by a passer by at Weldwoord

## Mapyland Investigations pe Liming.

In summing up the results obtained through in vestigations of the Maryland Experiment Statio on the rate of diffusion and dellection of different limes. is diferent types of soils, the following Bullétin 166, "How is Lime Distributel thro and Lost from Soil."
Different substances have very different rates o
diffusion, and in consideration diffusion, and in consideration of the salts used
in this investigation the most diffusible salt of in this investigation the most diffusible salt of
any is calcium sulphate; magnesium carbonate is any is calcium sulphate; magnesium carbonate is
considerablot less diffusible than calcium sulphate calcium carbonate is less diffusible than magne-
sium carbonate; calcium oxide is but sium calbonate; calcium oxide is but little less
diffusible than calcium carbonate, calcium phosphate less than either the carbonate or oxide, and barium hydrate considerably less than The rapidity
ence in the concentration depends on the differ the difference the more marked the effect will be ture, and becomes more rapid in respect to some salls as the temperature rises.
Of the three soils used, salts diffuse most rapidly thew... 'he sand soil; less rapidly through
the loam soil and only to a slight extent through he clay soil
The movements of salts in a soil are to a large
extent governed by the physicial constitution extent governed by the physicial constitution of owing the salts to difiuse more rapidly than the
ooil with many sma!l particles. soil with many sma!l particles. the drainage water is the greatest source of loss depends entirely on the kind of lime of this loss
soil, and the kind of soil soil, and the kind of soil limed.
The carbonic acid in a soil plays no insignfiant part on the influence of difiusion of lime in by forming insoluble carthonates, and forming
more soluble salts with the insoluble forms as
calcium nagnesium carbonate. The umount of lime removed from the soil, by
the crop is in the most rart very small, yet it is
one of the principal means by which lime is talen rom the land. In considering the exhaustion of haustion hy this means is in mo way so great as the practicai, Aphithtuon of the Clay soils held or fixed all kinds of lime better Wan sandy soits
The lose of diferent bimble of lime from a vlay
wil was murh less but watatively the same as "itl: the sandy soil.
The results with the loam soil stood apmow
imatel, betwen the clay and sand soil showine

These results would seem to indicate that the presence of sulphates in the soit, which could
unite with the lime of the soil, wuld have a ten-
dency to cause a dency to cause a loss of lime through leaching.

## Cleaning Gpass and Clover Seeds.

an a circular issued by the Seed Branch, Ottawa. over the air current is which thorough conof four or more riddles and sieves may be adjusted at will, may be fitted and swarnted to It is most important to have a full cquininent
of both wire and perforated-zinc riddles and screens of all sizes made for small seeds. good seed or other loss many times greater tha the total cost of the full equipment of screens. hand should be made with for cleaning, trails series, one over the other, to determine what screens should be used to produce the best possible results with the least possible waste of good seed. able to the farmer to make two grades in profitparing his grass or clover seed for market. If, however, the seed has been taken from a weed-in fested field, it is usually to the advantage of the
producer/to sell it in an uncleaned condition to a producer/to sell it in an uncleaned condition to a
wholesale merchant who can clean it with special power cleaners.
SIZES OF SCREENS
For grass and clover seeds the following sizes are the number of wires to the inch each given $32 \times 32, \quad 30 \times 30,28 \times 28,26 \times 26,24 \times 24,22 \times 22$ $2 \times 20,4 \times 30,4 \times 28,4 \times 26,4 \times 24,4 \times 24 \times 24, \quad 2 \times 2 \times 2,4 \times 20$ Perforated zinc
Perforated zinc, (sizes given are the diamete

Ridging Land in the Fall.
every autumn in order to place it in better tilth he next spring for seeding, and to somewhat fact, that loose soil will retain a well known than packed soil, and consequently fairly deep all plowing is resorted to. A rough surface is Clay owes its tenacity to a colloing the winter which the peculiar heaviness and material upo pend. It is astonishing what an effect this small amount of colloidal kaolin-only about one soil. Clay is made up of very minute particles and the smaller the particles the preater the cohesion of the mass. Thus it is that clay is tenacity of a clay soil depends other soils. The condition of the colloid clay contained in it the make it friable and easy to work, it is necessar used focculate the particles. Lime or chalk is agency. When a soil freezes is a very effective as it always does, the water in it forms a clear separated the particles concentrated, and finally The more of such soil that is or flocculating The more of such soil that is exposed to the
direct action of frost the better. Here is where fall plowing leaving a rough surface is beneficial
The rougher the surface the greater the area. This being the case ridging would have Ridging, provided effect. ng of the soil. thand, aids in diminishing wash ing of the soil. Never should the rows be run
parallel with the slope, as they would thad parallel with the slope, as they would tend to
promote washing. In these days of disapr forests together with these days of disapp, oring fences, it is often difficult to hold the snow in the field. Ridging is a great help in keeping the
field covered with this natural blanket. ing the field a more even distribution of moisture The increased exposed surface has a more or the marined efliect upon the drying of the soil in
the spring. The more soil exposed to sun
vind the areater equently the ser the early evaporation, and conthan it otherwise would be. This is important largest viclds, and besides it facilitates produces Mations by allowing the farmer to keep well lill Conditions. cannot a be profitably practiced under is mot in as great need of it as the heavy clay
Ti.int soils are not so much benefited. It means have preciously been plowed to a fair depth beCause it is necessary to have it loose for either
the donble mold-plow-which is the most satis-
to cut and cover satisfactorily. Where land is clowed to a fair depth soon after harvest and good state for ridging. If a weeds, it is in a is not available a single plow may be utilized, it doing better work if it does not clean too reoly With a good team and the soil in fair condition, rom three and one-half to four acres may be conditions as aila iterefore outlined, and may be one at the last moment before freezing up.

## THE DAIRY.

nights will very soon show a considerable reduc
he food that a cow gets has a very importan baring on the amount of milk given. Yet the cause them to produce like quantities does no The output of the cow is the real measure milk value, and it can only be accurately ascertained -
The slime which accumulates on the inside of burnt at once, says Prof. H. H. Dean, in his and burnt at once, says Prof. H. H. Dean, in his book
"Canadian Dairying." Never allow this to dry and be blown about on the farm as it may spread
disease, he cautions disease, he cautions. Neither should it be al lowed to go into a drain from the dairy as it
may clog the drain.

All classes amount of exercise is necessary with When kept of live-stock, milk cows not excluded is doubtful whether very much exercise is needed. tends to maintain vigor, and the eor exercise vigor the greater the cow's usefulness as a milk producer. Besides getting exercise, there is nothing like fresh air for stabled stock, and an all classes of stock.

Dairying is specialized farming, and for most profitable returns must be operated as a specialty.
Nothing but the best cows should be considered, and these high producers require careful attention in breeding and feeding, that the maximum prolecundity or that of their offspring. It is a nice point to duction just where the limit of real profitable proforcing, but fails cow that breaks a record under system she with just a little less strain on her of hor kind. This is become a producer of more result, but forced production due tost possible actation periods, early breeding or too frequent milking and over-feeding mav cause the progeny sisted in would be a degenerate race with if perdrawn dairy type, but no constitation to back it $(b$ feed into milk canacity for manufacturing rough profit lies and Heavy production is where the country do their hest hut there few cows in the milk production may be forced to such a stage Where it is injurious to the breeding possibilities

Ropiness in Milk and Cpeam. troubles with which milk dealers have to contend account of its unwholesome appearance thare on received known harmful effect which it produces, has slimy consistency which char from the viscid fected mils. The cause has been found to be afaction of certain bacteria, and a number of apparently different species have been described as possessing the po
dition. siderable economic importance to mill and of con butter malkers. should not be confused with the inflamed conditios in milk which accompany an "garget." Milk drawn thater, frequently called of pus, or more or less thickened by the this consolicl masses of casein, which pass through the duct of the teat with more or less difficulty
Milk in such mas Milk in such condition is by some called ropy
and consequently it has been asserted the and consequently it has been asserted that a
diseased condition of the udder is the cause of all ropy milk. The investigations which have here wion been made do not throw any definite light
 that although appearing only in the surface layer ism, although appearing only in the surface layer
of milk, may become of considerable commercial importance.
Last summer the appearance of ropy milk was
brought to notice by a milk dealer, who, having brought to notice by a milk dealer, who, having
suffered severely in loss of custom by its occursuiferea applied to the $\Lambda$ griculture station for aid.
rence and
He was instructed to dampen the udders of the cows with dilute carbolic acid before each milking This measure, which is of value in preventing filt
on the udder from faling into the milk, wac ried out faithfully without benefit. A careful study was made of the conditions under which
Al of the milk

All of the milk bandled by this dealer was supplied by one dairy consisting of twelve cows. route was used for butter making, the deepsetting system of creaming being used. The
cream on the surface of the cans of milk which stood in water at a temperature of from. 45 de-
grees to 50 degrees F . ( 7 degrees to 10 degrees C.) became viscid in from twenty-four to forty-eight
viscosity was more marked in the surface layer
of the milk, and hence in the cream. It is for garded as a fault peculiar to crean plaint was heard from those customers who con-
sumed the milk within a few hours. Some them, however, kept the milk until the following morning, when the cream would he ropy the presence of Bacillus lactis viscosus. To fin out throuigh what channeks the milk became inmilk at each step in the processes to which it was subjected between the cows' udders and the
deep-setting cans where the ropiness becomes maniIn taking samples of milk from each cow, the uduers and teats were moistened with a weak
solution of carholic acid, this being the only safeguard taken to prevent the access of dust. Glass paper covers, pxcept at the moment the samples
were drawn. The wide mouth of the bottle fered considerable opportunity for the entrance of
dust particles which might convey the bacteria had the particular species in question been adhering to the udder. Other samples were draw
into test tubes, the mouths of which presented smaller area for the reception of dust
Cultures were
of cultures were made from the milk of each one present in the milk of each cow being thus ob tained ir: pare culture. From the first twelve
samples there were obtained five apparently di samples there were obtained five apparently di
ferent species sterile milk, brought about the viscid condition None of the species at all resembled the organism sought. During the period that the cultures were constantly present in the creamery.
In addition to examining the milk samples col-
lected, a bacteriologic examination was also made of those substances which might harbor obnoxious
organisms such as stahle dust, particularly that dislodged from the udder, unclean utensils and faeces. Sterile milk was inoculated with bits of the beams overkead, cow hair, water from the drinking trough, and sawdust from the icehouse
None of the samples of sterile milk thus artifically contaminated became ropy, although all were made from the freces of a cow, but the bac teria found threw no light upon the problem.
An examination oi all of the other probable sources from which the hacteria might have gained
entrance to the milk having reveated nothing attention was turned to the utensils with which the milk came in contact. It would be a very
simple matter for a milk vessel, which had once simple matter for a milk vessel, which had once
contained ropy milk and which had not after normal milk placed in it. milk aerator in use at
Upont one occasion the mital the farm barn was found in an unclean condition Cultures were made directly from the milk re maining in the apparatus. Several small quan the pails used for milking, and also by pouring tions were made directly to culture mend
the accurnulated mass of filth on the border of the innocent in apnearance, is nevertheless teeming
with bacteris. which infect the mibk which passes with bacteria which infect the milk which passes
through the strainer. None of the cultures made of the hacteria causing ropiness, nor did any of the milk samples become viscid, It was noted,
however, that the bacteria found in the flith of the aerator were identical with those found grow-
ing in the milk which had been poured over it ing in the milk which had been poured over it ;
also, that those in cultures from the filthy
strainer were the same as those found in the
milk poured through it. These facts are
interes interest as illustrating how directly filth may on fluence the keeping qualities of milk by intro-
ducing bacteria. It should also be noted that the filth itserf cannot cause ropiness in milk, un-
less there are present in it the bacteria which possess that power. It is important now to note the results on-
tained from a similar treatment of the milk in the creamery. The evening's milk was brought
to the creamery and placed for the night in deepsetting cans surrounded by ice-water. That of the morning was aerated and brought to the
craamery, where it was again strained before do creumery, where it was again strained before de-
livering. A brass - wire strainer was used con-
stantly because it was of such size as to fit the top of the cans, forming a convenient device reason all of the milk passed through the one strainer and always into deep-settng cans. The
milk strained in the evening remained in the cans over night. The meshes of the strainer were of a lack of thorough cleaning. They had become obstructed to such an extent that the reserpressure of the accumulated fluid wilk before the pressure of the accumulated fluid was sufficient
to orce its way through the meshes.
Three different quantities of sterile milk were Three different quantities of sterile milk were face of the strainer. All three samples and two came viscid. The viscid condition was caused by Bacillus lactis viscosus. Greater care in scalding the utensils brought the trouble to an end. All small utensils were immersed in boiling water for three minutes, and the larger cans were filled to the brim with scalding water, which was allowed to remain for the
same length of time. The importance of thorough scalding of ves-
sels which have once contained ropy milk is urged upon the consumer 'as well as the dealer. Bacwater may readily be transferred from running ing upon the udder, may he dislodged during milking. Milk utensils which have been used for containing water should be scalded before using
again for milk. The apparent purity of water used about a creamery gives no assurance that it
is free from hacteria.
$\qquad$

## POULTRY

## B. C. Egg-Laying Contest.

September the twentieth marked the end of the contest, being held under the joint auspices of the Board and the Provincial Government. With just one month to go the interest was keener than ever. In class one for non-sitters the first
thirteen pens, are White Leghorns, the leading pen No. 2 having laid 920 eggs, nearly one hundred more than its closest rival, No. 9 with 838 eggs. pen 33, Rhode Island Reds, is leading with 782 eggs, with pen 38 White Wyandottes second with 71 eggs. Third stands pen 31 Rhode Island pens of Barred Rocks, 26 and 37 , with 687 eggs and 670 eggs respectively to their credit. In commencement held first place for four months, but is now at the bottom of the list with 402 eggs all told. The race has been
and another contest is contemplated

## Fattens His Own Poultry

For about seven years we have been fattening our own surplus cockerels and scrub pullets.
Having some seventy-five or one hundred cocker els and pullets to market, and being only offered fifty cents a pair, when I could put them up and
feed them some extra, and sell them for one dollar and a half a pair, I thought it was wise to try fattening, as the local market takes all I have
to sell. I have never shipped away, so I know nothing about that part of the business. in. We use crates six and a half feet long, eighteen ment), covered with slats two in. apart. Boton end for the birds to feed through. Slats are hinced on top in three parts, for putting in and
removing birds. Crates are divided into three apartments; each part will hold four or five
birds. A V-shaped trough is fastened in front of crate for birds to feed from. We take chickens
cheighing sect powder, then putting 12 to 15 in a crate leaving them in for three weeks. mash consisting principally of ground oats with
the coarse hulls sifted out the coarse hulls sifted out. Sometimes we use
cornmeal, about one part to two of oats, but as
we find this gives the birds a yellow flesh, and as oats. This is mixed with skim milk milk. If sour or thick all the better. This mash will almost find its own level in a pan. We do not feed them for the first day. After that e feed three times a day for the first week nearwe -ive them all they will eat up clean. They should get water to drink every day ; also grit about once a week. We never give beef scrap, as
we find the milk does just as well. We have tried
Plymouth Rocks and dottes fatten most easily, and aro plumper. We kill by dislocating the neck and plucking immediWe can get from 5 to 7 cents a pound more for fattened poultry than unfattened. $\begin{gathered}\text { pound more } \\ \text { After one }\end{gathered}$ l-t of poultry is taken out the crates should be sprayed with some disinfectant or louse killer.
Pictou Co., N. S.

## APIARY.

## "Stung.

If "The Farmer's Advocate"' or any other agri01 the remarkable stories bearing and published which are to be found in the newspapers, agriculture would be an extraordinary weekly assortment of buncombe. Yet there are thousands of farmers people who do not say nothing about the city editing between the newspapers and the agricultural publications. Consequently they agriculone about as readily as the other, and delight in
the curious and marvellous which they read, often crediting the newspans editor for enterprise when they should criticize in for gullibility, carelessness or fraud. A case a point seems to be the following extract from correspondent by special cable. man's stingless bee is the next product of a man's ingenuity. Mr. Burrows, an apiarist of of experiments has obtained a species after two years can be handled by a child in perfect safety. He the result Cyprian drones and the Italian queens, the result being the production of harmless insects claimed that they are less liable to dises than the ordinary honey-gatherer. but it is useless as a weapon of offence. Yet they die when they lose it." append a racy comment received by "The Farmer's Advocate from Morley Pettit, Provincial Apiarist whole cloth, this is the limit. As made out of radical change in the life and physiology of any organism has been materially accomplished with only two years experimenting and as all beekeep-
ers know, if you cross Cyprian drones with Italian queens, you will get a result thát is fa from stingless. My earliest recollections of life in apiary where bees of just this partar corner of the hive. I was always careful to keep as far from it was necessary to as possible, and wheneve I always managed to have the eyprian crosse crularly well, as the Cyprian bees and thei
crosses are the crossest bees that ever undertook to handle. The Cyprians are pa istic of being hot-temperod from this character almost impossible of control by smoke, they are
not kept to any extent for commercial purposes,

## GARDEN

United States Standard Apple Bappels.
A All establish throughout the United States standard barrel and standard grades for apple apples is to be of the following dimarrel for Length of stave, $28 \frac{1}{2}$ inches; diameter of head $17 \frac{1}{6}$ inches; distance betweén heads, 26 inches ment; capacity, 7.056 ; cubic inches, as nearly as The apples are diameters, and the harrel may be marked 'Stan or 2 inches minimum size $2 \frac{1}{2}$ inches,' or 2$\}$ inches, to contain only one variet.y of apple, the name of the place of production and the name with packer. The law imposes a penalty of one dollar which is misbranded.-(Board of offered for sale

## Tomato Monstrosities

 the Farmer's Advocate editorial staff sowed in hot. bed, for trial, seer of a new early pink variety and at the same time seed of a well-established sort, Chalk's Early. Jewel, and another variety Early Detroit, whick ripens a little later. About ferred to the cold frame, and on May 21st the Early Detroits. On June 6th some plants, then well grown, of the early pink variety and of Chalk's Early Jewel, werg removed to the openrows of the garden, and on June 21st another lot of plants of all three sorts. Previously, on May 23rd, large plants of another early pink variety received rrom a local gardener were also planted loam, well manured the previous fall and well drâne. During May and early June there was
considerable cold, wet weather the considerable cold, wet weather, but the various
kinds were grown under similar conditions vines soon began to show young fruit on the early pink varisty, and about the same time on the Chalk's Early Jewel and on the other early
variety transplanted on May 23rd. The new
early pink showed early pink showed probably the most remarkable
assortment of malformation in tomato fruit that we have ever seen, a couple of them, by no mean of every conceivable shape, some of them bere
like a doughnut. and others "doubles," ing a what seemed to be an effort on the part o nature to produce a later and smaller fruit along excrescences. This habit persisted as the fruit continued to form and ripen on through the
season, though not quite so badly season, though not quite so badly as at first
The Chalk's Early Jewel, while not perfect, grew fairly well-formed fruit, while not perfect, grew and the local early pink vere normal and good Ripe fruit was picked on August 3rd. Whether crossing or a selection, we were unable to learn In order, if possible, to secure light that might be of practical service to growers regarding the
scientific reasons for such extraordinary growth, samples were collected and sent to the American house from which the seed was obtained, and to several experts on the subject, with a statement
of conditions. The reply of the seed growers, which did not however, touch the problems of morphology
pathology involved, but laid the blame in cursory way on "soil and climate," was as fol"Would say from the specimens this variety deteriorates in your section, thougk it is seldom,
if ever, that we find rough fruits on that variety if ever, that we find rough fruits on that variety
in this section. It is not unusual to find what are considered first-class varieties of fruits deteriorating almost beyond recognition in certain edly due to soil and climatic conditions." Ontario J. E. Howitt, Department of Botan "I have examined the mallormed tomato sent under separate cover. Such deformed fruits
are frequently produced by early tomatoes during the eariy part of the seaso Later the same plants produce normal fruits. It is impossible to say, with certainty, what causes
the production of these malformed all probability it is due to imperfect pollination The pollen which is produced early in the season is not so likely to be as strong and vigorous as that produced later, and this may account for the
imperiect pollination and the production of the malformed
T. G. Buits." Bunting, B.S.A., Assistant Horticul turist at the Central Experimental Farm, Ot I examined the two varieties of tomatoes that yout sent, and find that these have been very im-
perfectly fertilized, and this explains, I think, to a gruit extent, the poorly formed and shaper wet during May and the weather was cold and he at this time your fruit would be set, the
weather, conscupently, not favoring a perfect weather, conscyuently, not favoring a perfect
fertilization of the lussoms. Another reason that
might be piven for the imperfect might be given for the imperfect fruit, is that
the variety is probably not a good one. Some the variety is probably not a good one. Some
varieties are much rougher than others, and have a laryer proportion of poorly formed fruit. Wave
Wave been carrying on a selection in the Earliana
hat have been carrying on a selection in the Earliana
tomato, and, when selecting our tomatoes, we formly smooth and well-formed fruits have uniand, where it is followed systematically, I believe,
the quality of the fruit can be greatly improved. the quality of the fruit can be greatly improved." "I did the wet and cold weather alone caused the mat formation of the varieties of tomatoes that you sent to us. The variety or strain would ha
considerable to do with this, as well as the col and wet weather. For instance, in the Earliana tomatoes we have many strains growing this
year. Among these are some that are quite smooth and uniform; others irregular or rough
able. This may be due to the strain or variety set having been carefully selected. For seed, in our
selions, we endeavour to select from plants of
uniformity, uniformity, good size and productiveness, with
the idea of continuing these characteristics in the succeeding generations." York Coul Work, Professor in Horticulture, New York College of Agriculture, Cornell University,
writes :-writes:-
shapematoes vary greatly as to uniformity and anas, for instance, have a much greater tendency toward roughness when grown on the heavier upland soils, while on lower soils they may be very
smooth. There is also wide variation bill strains in this respect. Wide variation between variety, the characteristics are not always
thoroughly established and thoroughly established, and there may be marked
reversion to some aboriginal type rion that is found in the specimens. The condi-
tion ty sent does not offer the appearance which you tion due to imperfect pollination. I am not sure


Malformation in New Tomato
eal hellokn authority, gets close to real heart of the subject in the following
comment:"As examples of malformations, these toma is nothing on or about them to suggest disease or accident. My belief is that the explanation of fruit is to be found either in the pedigree or the the reaction of pollen on the coatings of in soil, or in less favorable the former. On poorer soil, or in less favorable weather, the deformities
would likely be present in would likely be present in the carpels just the
same, but less conspicuous because less tissue in "'The pistil of the centa projecting far into the carpels. The stig plainsect pollinated. If there is reaction of the pollis nthe environing tissue of the ovule, it is conceivferent strains ovules fertilized from flowers of difdevelop in somewhat modified carpels. field might much greater prob ability is that we have here an illus-
tration of Mendel tration of Mendel:
law, and that thes plants bearing th malformed fruits are in the unfled
middle lines from
two probably goo
parents. If so, the seed from the mal formed fruits will produce plants,
some of which will
bear s y m metrical early, pink fruit, and others of them will bear unsy
metrical fruit. that the of opinion of this strain has been in too great
haste to send out
the seed before he
has separated the
but what I agree with the expert who says, "The variety is not a good one," that is, its type was value. However, I want to look into permanent
further," matter further."
On a later date lows :does "What I have bearned within the last few days represents a reversion to an ancestral form. The earlier types of tomatoes were almost invariably quite smooth and perfect although small. The under certain conditions may be and, I am in clined to think, probably is a characteristic of the variety in question? and such being the case,
one could say little more about the reason for it


Well-formed Tomato
than he could about the reason for one variet Chalk's Early Jewel was not similarly that the evould rather support this idea. Some varieties tend to produce misshapen pistils, which result in
abnormal fruits. This characteristic readily noted in the flowers. I have seen it many times in forcing varieties of tomatoes, parpossibility would be some sort set first. Another bloom. Cold occasionally sort of injury to the
brings about such
results, as might results, as might also spray or mechanical
injury, John Dearness, M.A. of the Lond
selection. In that case, the strain by judicious
receive conflicting there will be plants-some from the growers, for and in this class the as many hybrids as either, One important lesson lies factory interesting and, to gardeners and canning
1st, That patrons, most important 1st, That growers most important discussion. ter how exsively a new, untried tomato careful not to ter how glowingly listed in the seed cato, no matog should not send seedsmen or doalers is, that they of a new variety that general culture the seed
lished as meritorious.

## An Experience in Tomato Culture

 on this page, we publish a photions illustrated good representative sublish a photogravure of aTomato, which hos of the Plentiful with success in Western ontario. for some years for a quarter Ans McInnis, of London, Ont who of tomato cor of a century, has made a speciality
ginning with ginning with the Mikado, a potato-leaf tomato Be good quality, though roughish, he crossed it with
Livingstone's Beauty, a very the resulting product, a very good variety, and a nice smooth pink tomato ; and, by selections
from the progeny called the progeny, he finally established what is medium to late ripening habit. Aink tomato of Plentifuls he was growing habit. Alongside the and from a natural cross he selected what he has growing for some four years which he has been tory results as to yiehd, earliness, smoothness and
color for domestic usp poses he finds ase. For canning factory pur-
McInnis has been same soil for over twenty y tomatoes on the
little, if any, deteriors with apparently ing off of of deterioration in in quality, but a fallcrops he sets nearly one half in yield, but a fabl-
For field
rows seven feet pants about four feet apart in rows seven feet bet ween, and in a feot apart in
 seed from good fruit arowing on a and selecting
lific vine, are the sucrets of his on a healthy pro-
In storing catbage most people place the heads Many market sardeners haves and roots attached. for mark the stalk as though preparing the heads o protect the more two or three rough leaves
pack in ordinary cabhame parts. They the pack in ordinary cabhage crates and rack then
crates up, in the storage place, leaving
every crates up in the storage place, leaving a gack the
every thircl or fourth tier for air circuatater belt of British Columbia, there has been a ver
bad outbreak of blight that has been most ad mirably handled by the orchardists. The rapidity with which this pest can spread is hardly
creaible and it takes a great amount of determination to go into a fine big tree and of saw out
branch after branch. It goos hard to have to branch after branch. It goes hard to have to
cut into to fino row of tress just coming into
bearing that one has set out and tonded fent bearing,
fully each year pruning and cut and tended faithIully, each year pruning and cultivating till they
are uniiorm and shapely. Yet this is what we have had to do, and it is a credit to the Okanagan orchardists that they had the grit to stay at
the word till it was done, and done so
thoroughly.
Aatching the action observation has been made by this pest, that is those the Mcrntosh Red and Yellow. Newton Pippin were practicaly immune. On the other hand, the
Salina Pippin and Spitzenburg were simply ered with it. Baldwin and Nonesuch were yev lightly affected in most, plices.
What efficct this will have new orchards it is that selting ou tion in future Spitz, will receive still tess probity, and it is likely that Mcintosh Red will re very popular herease ind fargor. it has become
variety of apple are heing tentsents of this markets, and are bringing hig prices.
The Yellow Newton pinpit
ular with those vewton Pippin has been very popund hecause it is a fertilizer of the Jonathan,
and
which has $m$ ade such gan apples, and now such a good name for the okanamarked resistance to blight, its friends will be this
still louder in its tra with us here and develops a good color. flavor The treatment of the blight is very and must be applied promptly. The government orchards, and tied the valley going through the orccaras, and tied a strip of red tape to the at-
fected branches which indicated to Iamiliar withe the pest indicated to those not
branch must be cut off branch must be cut offi. These men, known
locally as the eest Specialists are doing a good
work herc work herc, and their prompt action is preventing
any serious pest from getting a foothold in the fruit districts.
The disease appears on the branches and affects the leaves. The spots on the branches and look
like a blister which mivht have fire, and the fruit on affected branchees turnsed black
and withers, the leaves look froct-biten and withers, the leaves look frost-bitten, gradual-
ly yying. The younger the branch the farther back from The ypounger the branch the farther
till on "this-season's-wond" from must be severed, inches back from the spot is fot too far to cut. Friequently dipping the shears and sows in a solu-
tion of corrosive sublimate, 1 to 1,000 , is abso lutely necessary, or the shears will spread the
disease. The branches should be burned, with constantes should be gathered and
break of the trouble kept for fresh outbreak of the trouble.
Blight is a dangerous enemy, and this season
has left a wholesome respect for its power to Last season we had a little trouble with black spot and apple scab, but it would seem that we
have goone to the root of this matter, and have
succecsesflly is practicall'y none of it seen. season there long time been practicing clean cultivation for a
think the experts on the disease seem to This that clean cultivation favors its spread.
thisconst season and last fall there was a large percentage of this district put under cover crop
as a result of this advice. We also sprayed with
limesulpur the anlphur immediately after the blaysoms of Worked for trees which last year had crops that
simply conlo not be marketed on account of the
black sinot and bene free. It in ind scab. this year are entirely
has also helped thate that the damp season
hinderend he that that in this, while it hindrered "s in the fightine of the blight.
British Columbia. WALTER M. WRIGHT.

## A Packing and Orchard Demon-

 strator.Ontario, has been appointed Inspector for Western
Demonstrator Orchard
for the Fruit Divisiond Orhard
Otawa Memonstrator for the Fruit Division, Ottawa.
Mr. Carey has shown particular aptitude for this
kind of become so ins istent that the Minister of Arriculture has decided to create a new position as os in-
dicated a bove. R. R. Waddle, Dominion Fruit
Insment and Inspector of the Take Erie counties. is promoted
to the position of Chief Inspect or for Western Randraentations having been made to the
Minisin of Agriculture that unscrupulous packers
were taking advantage of the fact of there being
no inspector at sault Ste. Marie, to supply that
market market with inferior and badly packed fruit, he
has appointed a local man, George Honsberger, as fruit inspector for that district. Mr. Mr
Honsberger wint orth Bay occasionally
ice during the present season enables the set ser cover many points which formerly tention from the inspectors. The plan of having
vhief inspectors for limited districta is out well, and has added greatly to the efficiency
of the work of the work.

## The Apples

Ekfrid, Oct., 8th: The apple picking has in this district are strip a tale. When Leslie Smith of the fruit hangs came to see the orchard last Saturday he inclined to praise me warmly for not having ween stampeded into picking my apples before bee were ripe. His words sounded good, and I should like to have deserved them, but the plain truth is that I was unable to get started earlier. And 1 was worrying about it too, but it seems that once more luck has been with me, and without knowing it, 'I was doing just right. A little more luck like that, and I'll begin to think that this is not so bad a world after all. Mr. Smith was very emphatic in saying that none of the apples were fit to pick before this week. Then shipped to England and Baldwins, that were three weeks England and the Northwest two and should still be it lhey tario. I do not know on the trees here in On this, but it strikes me that unripe is regarding not be shipped any more than culls. A correspondent writes forms ing that the apples they are getting are say and sour, and not at all like the sall used to get in Ontario. A visitor from the West last fall. Instea barrel of Greenings he bought they were withered bing ripe and full-flavored, looks as if they had been picked too green. Ih know it is said that apples should be picked a but on the green side so that they will keep, friend who saw Canadian apples ass. Another England went to buy some, and was ashamed in find such inferior fruit. If this mad rush to
be first on the market means shipping unripe be first on the market means shipping unripe
fruit, it should be stopped. Marketing the apples is bringing me in touch with all sorts of strange things. To begin with,
I am not popular with the trade. No apple-buy er has come to my orchard so far, and the letters answered. Looks as if I were going to be left out in the cold, doesn't it? But as they used of killing a cat than by choking him with ways butter." The newspapers have allowed hot do a lot of advertising in the course of my writMarding the orchard, and several good offers, fromi
New York, Fort William, Manitoulin Island Edmonton, not to mention the one from Scotland which appeared in "The Farmer's Advocate" couple of weeks ago. I am dickering for the best to have the apples properly packed. Mr. Smith assured me that they should grade about ninety
per cent No. 1. That shows the value of thinning, and he said I had not thinned severely
enough. The trees are still over-loaded. At
this point I want Department of Agriculture full credit for the re sults obtained. All I claim for myself is credit for having enough gumption to take advantage ing to give to anyone who wishes to handle an orchard according to the best methods. I also with all the haying we had to do, and the delays caused by wet weather. The result has surpassed
my wildest dreams. The orchard has produce over twice as many apples as on the previous
year, and the fruit is all sound ar as the production of fruit is concerned, the doubt if there could possibly be a better demon stration of what can be achieved by one year's
work. I know it has been a pood ye of the that, but other orchards got the benefit anything like the same results.
course the Department cannot help me with that.
If there is to be a demonstration should be sold I shall have to attend it myself. and 1 am inclined to think that selling products of this kind to the best advantage is more than basis of a dollar a barrel tell me that they a so discouraged that they do not feel like attending to their orchards another year. As they have to do the picking, help at the packing, and and packers, the margin of profit is the pickers too small. Some orchards in this district have
been sold on a basis of fifty cents been sold on a basis of fifty cents a barrel, the buyer to do all the picking, packing and hauling,
besides boarding his gang. Where the orchard have been sold for a lump sum, it is orchards many, owners will do as well as this. That doesn't seem enough. of course I haven't sold independently. I hear it said that there is combine among the buyers and commission is a to keep down prices, but as usual it is hard to true that we have a conspiracy. It is quite is only one buyer operating in the district, There sion men, have been discouraged. If I sold prevailing rates I could not expect to get more and I am willing to take a chance. If I gight, better price than my neighbors, it will be because possibly that may point the has been given, and advertising their fruit in the proper centers. By may be able to get customers with whom they out if directly. I shall also be able to find out if a man acting independently is in danger of I understan
Associations are managing to find mpple-Growers ${ }^{\circ}$ their apples at much higher rates than are being y wrong. In y wrong. In a country like Canada, it should just as successfully as an organization. of course, by organizing, the apple-growers are able to effect many economies, but if it is necessary
for them to organize in order to reach the markets successfully, there is something the that should be remedied at once. If organizing than they should, assiations to force higher prices think I could work up aiso wrong. I do not "Farmer's Trust" than for any other kind for a a recent speech, the Hon. Mr. White, Minister of lems of the sted probcountry produce. He the proper marketing of And it is a problem that is worthy of his right ability. As the railroads are practically built at the expense of the public, and as their loca-
tion is purely arbitrary, some way should be devised by which all me tha can get their produce on the market on the same can send it on the to send a letter anywhere 1 because the Post Office is a purely anyone else, very little study, but in looking at it casually fail to see why our transportation system should not be so arranged that a man would not be that the farm on which he has made his home is far removed from the great centers of population. onough apples wasted in ontario there will be have supplied all the towns and cities with to ruit, if it had been possible to have it trans-

## THE FARM BULLETIN.

## The Bean Crop.

rom Chan circular issued write in this vein ation: "We have had a year bean crop situsomewhat different from the yerdinary, as during the months of August and September, beans in every township of this section got a great deal growth, so that we have extra heavy vine strong well loadell with pods, but as we had a few very hot days in the forepart of September and heavy rains at the same time, the water covering the
low lying sections of the bean fields had the eftect of scalding, and thus killing out large portions of the crop, more especially in the eastern section, which reduced the yield, so that we will not
have more than about 80 per cent. of a full average. "'Our farmers at this writing are having fine weather, and harvesting is in full swing, and if
the rest of the week is fine, large portions of the

## 1804

Bpitish Columbia＇s Leading Show．Show．Among the number were several animals B．The Agricultural Show at New Westminister， omion west of the mountains．＇This year＇s out－ ment，despite the fact that inclement weathe prevailed for the opening days．Manager Mac enzie had things in good shape，and an offcial opening by Hon．Price Ellison on Tuesday was
followed by another opening on Thursday by His Royal Highness，the Duke of Connaught．Thurs－ day easily could be credited with being the big day of the show：Every person seemed to
turn out to see the Royal Governor－General and the displays
Westminister，it is is well in evidence at New and perhaps in Clydesdales that there is anythin really choice，with quality enough and sufficient numbers to give keen competition．This year swine breeders were not very much in evidence．
Sheep，however，were there in good numbers Sheep，however，were there in $\begin{aligned} & \text { good numbers，} \\ & \text { especilly } \\ & \text { in the } \\ & \text { short－woolled } \\ & \text { classes．}\end{aligned}$ Beef cattle were conspicuous by their absence，with the exception of a few Shorthorns．
however，that New Westminister＇s show reigns however，that New Westminister＇s show reigns
supreme．Individual exhibits were really choice but the management has made good in the matter of district exhibits．This year over a dozen dis－
tricts had attractive displays of as big a variety of farm products as they could collect．The ariety agement appreciating the value of such features their annual exhibition brought in an outside udge，in the person of L．H．Newman，Secretary Ottawa，Ontario．Mr．Newman is a Associatio the Ontario Agricultural College，and has offl－ fairs in different parts of Canada．He had sociated with him R．M．Winslow，Chief Horticul curist of the province，to assist with the roits，and Henry Rive，Chief Dairy Instructor， work was well done，despite the fact that it was a very difficult task．Naturally some of the dis tricts are disappointed，but they need not feel get first award at the fact that they did not every exhibit was sufficiently creditable to war rant the judge in giving it a prize．Four prizes
were offered of $\$ 500.00, \$ 400.00, \$ 300.00$ and $\$ 250.00$ ．With the first award went the bi Points were awarded as follows：Fruits，fresh 300；fruits，preserved，200；fruits in acids， 100 grains and agricultural seeds，250；garden veget
ables，250；forage plants，250；dairy products 250；field roots，200；arrangement， 200 ．This gives a total of 2,000 points．When the judge were through with their work，the winners stod Mission；4，Burquitlam；5，Comox． 6 Arm； 7．Morinville and St．Alber
arm or special district fruit display，Salmon
ton second，and Enderby
the merits of the displays arranged by the differ ent districts．Langley，Mission，and Salmon Arm had greater variety than the others．Kam－
loops was particularly strong in fruits grains，but did not have enough variety in al products to warrant the．judges in giving it a
high score on the total．Displays from the lead－ ing districts included excellent specimens of garden
vegetables and field roots．Cabbages，cauliflow ors，squash，pumpkins，etc．，had great size and rare quality．For the most part also，alfalfa， ly in evidence．The Mission exhibit included strawberries and blackberries recently ripened from a second crop．There was also a huge tree－
like sunflower 12 feet or more in height，and with head 18 or 20 a fine array and fruits，some fine honey and a colony of bees． An attractive banner told onlookers that all the
farm products in sight were＂grown without irri－ The general vegetable and field－root display also included a great variety of choice quality．
In some cases，however，size was about the only thing that would commend the article on exhibi－ Potatoes were particularly good．They
were there of all varieties and sizes，the medium－ sized ones with very shallow eyes being most in
evidence． Reflecting the CATTLLE．
airy husbandry in the Pacific Province taken in dairy breeds were well represented．Jerseys were
decidedly the strongest，local breeders beine buliged to compete against the fine herd of B． had won the lion＇s share of the awards at
practically all the big exhibitions in Canada this
few won top awards at Toronto Exhibition a well to the front，and got enough awards to lead them to conclude they have good stock．H H merit．The Government Stock Farm at Coquit－ lam had some of their fine Holsteins in the stables，but did not compete．Two good herds of Guernseys also appeared in the ring．Awards
throughout the dairy classes were made by James Boden，of Danville，Qugbec．
Exhibitors of Jerseys in addition to B．H．
Bull \＆Sons，were F．H．Barton，Grimmer Bros Aull \＆Sons，were F．H．Barton，Grimmer Bros．， won both championships，getting the male Bonors with his senior calf，Brampton Stockwell King， and the female honors with the two－year－old heifer Brampton Gipsy．The Brampton herd had first prize in every female class excepting one，and
they have the honor of being the breeders in this instance．Young stock from such sires as Blue Blood，Stockwell，Imported Fereor，Arthur＇s Golden Yox，Brampton Cicero and Noble of Oak－ quality，and also show a great capacity for milk production．Following are the awards in detail Gull， 3 years and over－1，Bull；2，Barton；3， \＆Tavlor．Bull， 2 years and under three－1，Fry 1，Bull，on Brampton Noble Combination． Menzies；3，Grimmer．Bull， 12 months and un－ der 18－1，Bull，on Brampton Cherry Fox；2 under 12－1，Bull，on Brampton Stockwell 2，Bull；3，Fry \＆Taylor．Bull calf under months－1，Menzies；2，Fry \＆Taylor．Champion Kull－B．H．Bull \＆Sons，on Brampton Stockwell
Dry cow over 3 years－1，Grimmer； 2 and 3 Brampton Nowle Topsy； 3 and over－1，Bull，on 4，Grimmer Bros．Heifer， 2 years and under 3－ Taylor．Bu Brampton Gripsy；2，Bull；3，Fry \＆ years－1 and 2，Bull；3，Fry \＆Taylor．Heifer un－ Fry \＆Taylor． 18 mond over $12-1$ ，Bull； 2 and 3 ，
Fre
Honth 12－1．Bull； 2 and 3，Menzies．Heifer calf under Champion female－B．Fry \＆Taylor；3，Menzies． Brampton Gips，
Fry \＆Taylor，second H．Bull \＆Sons had first； Bull also had first for young herd，with Fry \＆ Taylor second，and Grimmer Bros．third．Fry \＆ Menzies second，and Grimmer Bros．third．For two animals，produce of one cow，Bull had first and．Barton second．
Holsteins
Holsteins were shown by T．R．Pearson \＆Son，
J．W．Hollingshead，W．S．Dickey Steves，of Steveston．The bulk and J．M． was put up by Pearson．Steves had three fine heifers there，but did not hring out his large herd， them in shape．Dickey had only three to get and Hollingshead a like number．Dickey animals， to win the championship in females on his fine cow．He also had the first－prize heifer under 18
months．Steves had the first－prize heifer months．Steves had the first－prize heifer 18
months and under 2 years，and also won the top award for three animals，get of one sire．Pearson word，and his aged herd and also with his young aged bull was animals，produce of one cow．His Competition in Aryshires was put up by Shan－ non Bros．and Joseph Thompson．Shannon Bros．had 7 firsts and 3 seconds，while Thompson champion bull in Brookside Chief，bred had the McKee．The champion female also came from the Shannon herd．For aged herd，Shannon was shannon had first，and Thompson young herd， third．For three animals，get of one sire，Shannon was first，and Thompson second and third．Two animals，produce of one cow，resulted in Shannor
again being on top with Thompson second． fien thompsond bet ween Ir．Knight and Charles Hawthorne Awards were fairly evenly divided．
ors are in fine line for sthorne Son．Shorthorns were shown by Hon．T．W．Pater some of them are choice specimens，and
would
win in strong competition． In the horse classes there was not a very bril－
liant array with the exception of the Clydesdale treed．There was，however，choice quality in Xapina，Manitoba，placed the awards for heavy
horses，anc John A．Turner，of Calgary，in the In ligeeds．

berton Stock Farms．for the most part the fight
for top places lay between Captain Watson Savage and Shannon Bro In the aged class Shannon won on Brown
Spots，by Drumflower ；Trimm was second Rex；third went to Pemberton Ranch，on Bonnie
Dean Dean，by Dean Swift．In the three－year class by Royal Citizen．He is a bis Hailey＇s Comet， horse and one that is hard to beat．Capt．Wat－ son was second with Baron Wallace，by Baron＇s
Craigie．The two－year－olds included Wats quality champion King Vivers，by Dunure James and out of Favorite of Dornoch．He has stood first at Kilmarnock and also has beaten The Dun
ure，the Cawdor cup winner． with Royal Savage．For yearlings，Savage was first and Shannon second．
In females
In females，Captain Watson had first brood mare．second yeld mare，third two－year filly，first
yearling filly，and first and second filly foal，Hi yearling，Roseleaf，by Baron＇s Craigie，was female champion．Shannon had first yeld mare and second two－year filly．Savage had second brood yearling filly and second filly fo－vear filly，third In Canadian－bred Clydesdales，
first in in year－olds，on Hailey＇s Comet，and also hrst in two－year stallion，first in two－year filly，
second in colt foal，and first in three， sire．Shannon had first yearling stallion，second in，two－year filly and third yearling filly．Savage had first for two animals，produce of one mare， and Shannon second and third．Savage＇s three－ Captain Watson got the J．Savage cup for largest exhibit of live－stock owned by one man For two heary－draft Savimals also won first for agricultural team，and second to Solony Farm first raft team in harness．Savage also had first for our－horse team as well as for best draft horse aised and owned in British Columbia．
There were a few nice
Suffolks，were a few nice Percherons，Shires and also in Hackneys and lighter breeds．In single drivers and pairs there were a few real good
ones．

## Swine PIGS AND SHEEP

Swine fell far short of being equal to last
year＇s display．It was only in the Yorkshire sections that there was keen competition Yorkshir fine animals of this breed were shown by Joseph Thempson，McClughan Bros．，and T．R．Pearson D．C．Flatt，of Hamilton，Ont．，found specimens Alex Davie showed through． There were also showed some nice Tamworths． and a Chester white sow owned by Dr．D．Fetteli A special pen of three bacon hogs，any breed， McClughan second．other specials and third，and and two sows，and for best exhibit on the That British Columbia flockmasters are petting into the right kind of sheep was shown by the
different breeds brought hefore Turner，of Calgary．Oxfords，Shudge，John A． Southdowns were out in good numbers，and many Joseph Thompson had a ni flock of Lincolns， of Leicester rams to take firsts from E．H．H． J．Richardson and Grimmer Bros．fought for honors with Hampshires，and filled every section．
In Oxford Downs A．Davie and McClughen had strong flocks，the former having some Bros． Peter Arkell＇s stock．Davie got having some of the firsts and
one second，and the thirds． In Shropshires，honors were evenly divided be－
ween the quality flocks owned by Hon paterson and P．If．Wilson．The former had four
firsts，four seconds and a third three firsts，three seconds and five and the latter Southdowns were shown by Dr．A．T．Watt
and C．T．Higginson．Awards were prety y divided，Watt getting first，and Higginson－
second for pen．C．Hawthorn shaty even－ and Jas．Thompson and J．Richardson，Dorsets， For three rams hred in B．C．McClughan＇s Ox－
Cords were first．Wilson was second third．Fere first，Wilson was second and Davie
terson got firce ewe lambs hred in B．C．，Pat－ hird． McClughan， 1 and 2，and for best ram went to
2；for to and Mec llughan of four，either sex，Davie was first and two ewes of medium or shecial for best ram resulted：1，Paterson；2，Wilson．Higginson got
a cilver inedal for best fat wether，and Davie a
sinecial former pecial for best flock on the ground bred in B．C


Light-Weight Hogs at a Discount
Bdtror "The Farmer's Advocate ":
We are pleased to enclose you extract from etter received from Messrs. Bamford Bros., 10 Great Britain. We thought this letter might be profitably read in your columns. "Messrs. The
" "Respecting light meats: Canadian light meats, particularly in Cumberlands and long ribs, same averages, on account of the Canadian being thicker in the shoulder and thinner in the flank in other words poorer quality meat, and not so It is certainly not a very flattering istatement $t$ o make, but Canadian light meats have to wait alnost every instans has to be sold at a lower price. get cleared or its, animals which these Canadian light-weigh meats are made of are not matured, the result being that American meat of similar weight has the perference in point of sale, and Canadian, al
though it cost more, has to be sold at less ino These remarks apply particularly to light averag weights of Cumberkand cut, and long ribs, which
re of little or no use on this market unless dur ig a time of great scarcity, and then only be is either wanted or appreciated. In all meat moreover, owing to the unsuitability, the goods when sold have to be disposed of at a very large very strongly urge upon you the necessity if you must take these hogs, to cultivate a trade for the product at home in preference to shipping to this
side. You have several times explained the cifficulty you are under in regard to these light hogs,
but whilst this is the case, it should be at least easier to sell the product at home than to send it on here. The same remarks apply with al-
most equal force to light Wiltshire side mong under 46 ths. has an exceedingly limited thing under is los. has an exceedingly limited
outlet, and is only taken as a rule from sheer necessity. No matter how good the trade may
be, generally speaking, these weights of sides, such as 3739 or $40-42$ fos., drag
all the all the time and they are only sold with difficulty, animang-cut hams made from very little in request, excepting about Christmas time, when they are, used largely for
presents, but ordinarily speaking the trade presents, but ordinarily speaking the trade in
them is a small one as there is so little cutting in them, the preference being given all the time
to 14 tbs. or over. We know, of course, that
other packers have to take light hers. other packers have to take light hogs as well as
yourselves, but they have the same difficulty in disposing of this class of meat as we have, as the
trade in this country runs almost entirely on wellfed meat from mature animals.
of the farmers to the possible to draw the attention be a sufficient community interest among packers to try to bring about some improvement in this
direction. direction.

BAMFORD DROS." ly during the past few months through a geverenumber of light, unfinished hogs being a great arket. It may be urged that packers have the Hatter in their own hands, and should not buy good argument, but competitive buying on the part of the various packers' drovers at every shipping point is so severe that any drover that
wigidly discriminate against these light, unfinished hogs or refuse to take them from the droving business from him. In any event whether the blame can be directly traced to the packer, a thorough realization on the we believe that ducer of the sealization on the part of that is entailed through
the marketing least go part of the way to eliminating the evil.
COI LINGWOOD PACKING CO., LIMITED.

Tillsonburg Milk-Condensing Prices. Tillsombe time ago the Borden Milk Condensery a the season's milk set their prices to patrons for the season's milk at $\$ 1.40$ per cwt. for October,
$\$ 1.50$, Nov.; $\$ 1.55$. Dec.: $\$ 1.55$, Jan. (1913): $\$ 1.55$, Feb. ; and $\$ 1.40$, March. Owing to the reported that of milk production, for milk at their establishments in New York,
Illinois and ing the Tillsonburg establishment producers supply themselves into an association, asked had formed crease which the company was not disposed to to sign their contracts, and little milk came in, cents per cutt. to the October price, and the diffi-
culty seems to have heen adjusted in that way.

## Real Education

onception of education expresses appraval of the er's Advocate' of October 10th, adding Farm solund observations from which we quote in fart "The amount of time and money wasted in public schools because of inadequate consted in of education and unskillful applications of them
in practice is appalling.
the practice of acquiring to bear in mind, that by the process of memarization is not confined to vades ali educational institutions where the perture system is the method practised. It is just as futile, so far as education is concerned, to give youth or to a child. At every stage in life from infancy to old age the individual acquires real education only by discovering facts for himself, correct, mostly the latter. Knowledge so or ined at first hand does furnish discipline of a truly valuable sort, and it is more enduringly remem"'T some more advanced to state leak in his way, and in similarly learn to read. He learns in this way the properties and uses of numbers, and if he is cover for himself all the ordinary devices that
faciiitate the faciiitate the process of computation, Taught by the inductive plan he may find out for himself the properties of all ordinary things belonging to bring to bear on their adaptation to be able to whatever he may have in the way of inventive faculty. Ordinarily school life is a stagnant pool running stream. And then teachers be made a wonder why aggressively active boys play truant They may just as reasonably wonder why a prisoner cannot resist the impulse to escape "hen

Apple Prices.
Among the recently reported sales of Western Arkona Fruit Growers' Association, $\$ 2.75$, Arkona Fruit Grord Association, $\$ 2.00$ and $\$ 2.50$ $\$ 2.50$; Forest Fruit Association, $\$ 2.15$ and $\$ 2.25$ and $\$ 2.65$. Most of the Association vance Associations are reported holding for advanced prices which the English market quota steins have been selling in the Old Countraven to 18 shillings, and a good many Nova Scotia apple sales for the Canadian West at $\$ 1.50$ per

## Ontario Beeves to the States.

 A recent feature of the Ontario beef-cattle American markets such as Chicago, Buffalo to Nery York, in the face of the heavy American Craig in North Widdlesex car loads left Ailsa went from Oxford County. Ten and eleven cents per pound compared with about six cents in Tor onto stimulated the movement.Poultpy Extension Work.
of of the first men appointed under the plan the Dominion Live Stock Bra, recently adopted by Who will have charge of it in the Province of Prince Edward Island. The appointment is parent last summer of the interest that was apStock Branch, at the invitation of the Provincial Department of Agriculture, made a tour of the Island, and held a series of poultry meetings. He camson to Canada in 1904, and for two years had charge of the broiler business on the farm of Peter Reid, Chateauguay Basin, Que. He has since had valuable experience in poultry work at organization of poultry circles in Ontario the organi
Ont.
F. M. Clement, B. S. A., a 1911 graduate of and since his graduation District Guelph, Ont., of the Ontario Department of Agriculture at Dutton, Elgin Co., has been appointed professor, of Horticulture at Macdonald College, St. Anne
De Bellevue, Que. He took up his, new duties De Bellevue, Que. He took up his, new. duties
the first of October. Chas. W. Buchanan, B. $\mathbf{S}$. A., a classmate of Mr. Clement and for some time assistant in the Dutton office, after'wards be-
ing Representative in Kent. County succeds ing Representative in Kent, County succeeds Mr.
Clement. G. P. McRostie, B. S. A. Clement. G. P. McRostie, B. S. A., of the class
of 1912 goes to the Kent office.

Experience and Demonstpation.

## Editor "The Farmer's Advocat

Two or three days after my letter on "Pract cal Education" appeared in your issue of $30 t h$, the Department of Labor, Ottawa, sent me printed copy of Dr. Robertson's address on Select Standra, which was given before th Select Standing Committee on Agrioulture and "Neighborhood Improvement Associations," on I was aware that a railroad company ing arrangements for demonstration farms in the West, but those remarks I made along this line in
that letter was simply the result of servations. It was a pleasant surprise to learn
that Dr. Robertson had ob for some time, and that we studying this question or some time, and that we were to have illustra-
tion farms in the near future. that all farmers will send for a copy of Dr. Rob ertson's address, which will be a given free of charge Department of Agriculture Ottawa. Dr. Robertson says in this address aot like, with the experience I have had; to take fy a Government and try ownent and maintained om a Government and try to make it pay. The ernment; and the research side, the ner the Gov ment side, perhaps even the show-appearance side, would outweigh the effort to make it pay." "ila,
When I, mentioned in my letter on "Practical Education" that I could not see any reason why a Government farm would not pay; the plan that the farm in charge of a competent was to put eral management and crop rotation to be under acres, which would be left to the man in charge acres, which would be left to the man in charge
of the farm, for the purpose of studying-local op-


The Middleman's Mint
Middleman-"Alleman's Mint.
portunities, to grow whatever crop or crops
would be likely to give the most profitable returns; this man to be paid, not with a salary, but to be given a share of the protits. This plan new experiments, or show appearance.

I have heard it said that many of our most successful farmers are rather conservative in their
ways (when I say successful, I am comparing them ways (when I say successful, I am comparing them
with the average farmer). Some of thes cossful farmers, whose farms may be selected for
illustrative illustrative purposes may not be willing to accept, in full, the instructions given by experts good use of the valuable information, gained by research and experiments, as would men who were selected because of their adaptability to this
Perhaps the following "little experience" m prove encouraging to some of your readers.
I said in my last letter that I did not alw I said in my last letter that I did not always
favor a change of occupation, and position gave Mavor a change of occupation, and position gave
me an excellent opportunity to observe the average farmer and his methods of living. Although I believed that there must be "something wrong some place." The familiarity of the average absurdity of not making an effort to improve present conditions. I often thought I would like mall farm came into my possession. When I announced to some friends that I now was the
owner of a farm there was some surprise. when owner of a farm there was some surprise ; when I
told them what farm it was there was a regular gale of laughter. I had no agricultural training or education of any kind; my occupation did not leave me with much leisure time, and for years
this farm had been growing weeds of all kinds in "peace and plenty." One little man remarked of it without an axe to blaze his way among the burdocks. There were also wild gooseberries and raspberries, and what proved even worse to
terminate, some sort of a thorny growth about feet high that had to be cut with growh about 4 summers before a plow could go through the land. It was further pointed out to me that the buildings were only shells and not fit to stable the
registered cattle which I had purchased for the farm, and that by the time I had the buildings up and the place in working order, I would ha spent much more money than I could ever hope
get out of the place under any circumstance explained to my friends that I had taken all th apparent difficulties into consideration, and had also laid my plans before one of our "Agricultural couraging, provided I was careful in selecting enman to be put in oharge of the farm. He had also outlined the general management of the work
and arranged crop rotation these friends, that I believed we were tured to tell out any knowledge of farming, if we were willing to learn from competent men, than to be crammed
with inferior knowledge and hampered with bad habits and customs and out-of-date methods. I knew it would take considerable money for the new buildings, but I believed that some tar paper and
cheap lumber would fit the old ones for use for a cheap lumber would fit the old ones for use for a
little time. This we did. I further explained that I intended to follow, as far as possible, the to pay all expenses every year, interest on the money invested included in expenses, and then dements. If there was no money for improvements could not pay expenses out of the proceeds of the new buildings, but I believed that some and I find day scarcely anyone would recognize the farm, taken the place of the weeds that once ran riot in this wilderness. Our corn and roots are generally the best in the neighborhood. Last year we had
1,600 bushels of mangolds on one acre. For three years we have sown 18 ths. of alfalfa, with 2 peas and oats are cut for green feed, and often measure over five feet high. The alfalfa makes sufficient growth to protect the roots after the
feed is cut. This year two cutting that was sown last year gave a yield of alfalfa, per acre. True, we night expect good crops from
this soil. Then one head of cattle per acre is kept besides two or three horses, and 70 to 80 fat
hogs which are marketed in the year means a large quantity of manure, but there has never been but one man on the farm that placed the value on manure that we are taught to place on it. Their instructions are to draw it away
every day, as the stables and pens are cleanad and put on some part of the farm. There is always a place for it, but most of them say so
much manure is not needed, and if they can much manure is not needed, and if they can
manage, it, they pile it in little heaps about the doors or leave in one pile and dig a trench to run
the liquid into an open drain that is not far away. even at times when they are not busy. The new
dairy barn which I buit and paid for out of the
proceeds of the farm, is built on the most ap
proved plans,-cement-block foundation, steel led. I have built a silo, which holds sufficient corn to last the stock from the time it is filled yntil the green corn is ready for use the following there is room for further improvements, which I hope to make in the near future, but in view of the fact that I had no agricultural education, never did one hours work on the place, could not summer-at other times I would not see the fa for a month-and depended almost entirely on the Ceneral information given in the agricultural pubI appear to have made a better rate of progress than many farmers who have farmed for years, and work hard on their farms almost every day of the year. that ill-directed effort and by personal experience poor returns.
able space agricuitural papers devote consider benefit of their subscribers. On two occasions the question and answer department could herts give the information in time. I knew that our agricultural experts could hardly attend to their might wish to ask questionswers to people who of the case lent me courage, and I laid my une pected difficulty before Prof. Grisdale. Later on wrote Prof cona by a dairy problem and plied by return mail giving the desired kindly retion. (We have many prominent men whose names are kept constantly before us by the public press. The remuneration given these men for much as what is paid our agricultural experts we'll say nothing of mysterious cheques, which are so difficult to trace-how many of these men ments, to show a disinterested kindness or amuse plate stranger ? And to listen to them talk manity, Angel"' were to it would be a difficult matter to decide "whose name should lead all the rest.
"Illustration return to the advance sheets on and calls our weeds, "Dr. Robertson speaks o man of Dr. Robertson's authority ander. When expresses rimself in this way, it is surely time fo Spring-time Robhers, whose evil rention to these all the year around. whose evil results follow us journey in summer without seeing acres of land on the railward track, on each side of the steel scriptions. If farmers really weeds of all de lieved how great a loss follows the growth be weeds, they would hardly allow the rear end of are reasons why we hesitatn in this way. There ing but careless neighbors what we might when they, year after year, allow weeds on their
farms to increase and be spread in all directions in various ways, but we are not obliged to con any feelings). Evidently farmers do not have cause weeds are one of the great factors that Grand-father's clock and grand-mother's old ace and china are very valuable and fashionable
to-day; also is their furniture. Nearly evers is prized except the farm, and the perseversance
and ingenuity which enabled them There were Titans with such stor possess it. of will-power and energy, that nothing could bar
their progress-the long trying ocean vovace fore they reached Cang trying ocean voyage betrackless forests, which often sheltered foes, who
crouched
throuseen, with gleaming tomahawk; through underbush and swamp. where hears,
wolves and lynx lav and waited portunity to secure their prey; rivers and streams
to be bridged or forded, homes to be built of the growing trees. Many of us are descendents of
these people,. Need we (the average farmer) sell
grandfather's farm or continue te live has too many hardships, unnecessary hardships
and privations? I would again sugcest the read ing of Dr. Robertson's address. He has rad-
nothing in it that is "too good to be true., said We need not hesitate to enroll under any or all or spreading graft and corruption by example or teacking. They do not belong to the class of
soldiers who march to the beat of the drum and
are moved in any are moved in any direction by the blare of fingoes
tin horns. Their a im is not the draining of life-
blood from mistaken and deluded hut hlood from mistaken and deluded humans, nor are "hetter farming,", and cons consenuentlyal leathers
peace and prosperity follows under their teachings; nation that embrace their doctrine. BELFAST CAMPBELL

## Our Educational Steam Roller

## Significantly given the most conspliler

 Magazin as staid a publication as the University tributed (Toronto), for October, is a coneducational system as a species of "intellectual death." Some more reasonable system, insists definititer, must be evolved, for one of the chief ciples to in the process with a lhem up the form of "information," acquires lumber in amelioral spirit of competition. By way of principle to, observes the writer, the main child "how observed is to cease teaching the do them. One micht cill it and let him system in opposition the apprenticeship of setting children to learn complex Instea how this or that is to be done, let them get tof to see that they do not stray too far out of the direct road.Nothing that the Farmer's Advocate has said program for the a more enlightened educational in the as the concluding paragraph of the article the University Magazine :
to put the osent overwheiming desire seems to be asked of any child is that he should The last thing but instead, year in and year out anything in the the doing of it until all natural interest taught subject is extinguished. He is painfully how they are not to be done, and it is only the Indeed doing of them that is scrupulously avoided it is that keeps going round and round without getting there, might be accurately and promptly great deal of the unhappiness in our present if is due to the 'want of harmony irom which pupils who have been subjected to a regime of this kind given as "the modern system of educe, the ," intel lect alone is engaged, and the other faculties are ing with it chance of participating and cooperatany healthy and satisfactory by cooperation that tained. The academical method is an unnaturar one ; it may produce talent of a sufficiently
striking kind ; it certainly almost unlimited amount of cleverness in every nopartment, but, like all unnatural things, it is the talent of mating and breeding successfullythe talent and cleverness are sterile,, and, like
.Jonah's gourd, wither by the morning.,

## Storing Seed Corn.

he seed corn, which satisfactory results wh $\$$ lected, is planted, it will be hecessary tarefully secorn well this fall before the freezing weather ear, no matter how dry it matored up in the wower of the seed will he and the germinating curing of seed corn is as essential as its maturity
and selection. There are several practical ways of curing seed corn. Big seed corn dealers often of curing
kilns where they dry their corn with artificial
heat. This the average farmer, however, and simple methods must be emploved. Who is there who wilh forget grandfather's garret, where so many to hang in
were spent in play ? This oldays of curing corn is still a good one, if the windows
are opened wide during the good days to let air
circulate in the room A corn tree made of an upright 4 in. x 4 in . set
on a standard and in which are driven tenpenny another method of which the ears are impaled is tree may be placed in the gearret, or any other
antof-way place in the house or shed. Seed corn caterine it about thinly on a floor in a or by here are many different farm methods of storing lust he impressed, however, is the fact that corn nethen is employed, good air circulation must be


The Rubber Countries. Not od very many years since rubbers
for footwear such as now cost seventyfive and eighty-five cents could be beventy-
any village store for any village store for thirty-five cents.
Since then various influences have conspired to raise the price, among them The formation of large rubber companios
with their own regulation of price with their awn regulation of prices, com-
pantes urged on, in too many cases, to any measures-however disreputable-in obtaining their ends, by the wild possi-
bilities of accumulating bilities of accumulating millions in
money presented by the astounding de mand all over the world for rubber during the last few years. With the con-
tinuous erection of new manufactories tinuous erection of hew manufactorios,
and the need everywhere for machinery
of various kinds, has come an of various kinds, has come an an inchereasing
use for rubber belting; but the world use for rubber belting; but the world
wide craze for bicycles, rubber-tired
carriages and carriages and automobiles explains, per-
haps better than anything else, the cry haps better than anything else, the cry
for rubber and yet more rubber-however it can be got. And so while pleasure
seekers roll gaity about, with laughter seekers rol gaily about, with laughte
in zest of the sport, in luxurious ease enjoying the full delights of pure air and northern skies and ever-changing
scenery, others of the world's children, scenery, others of the world's children,
to supply the very tires that make their
luxurious moving luxurious moving about possible, have
been driven into deep dank forests alled been driven into doep dank forests haved
with deadly exhalations and the almos Wubh deady exhalations and the almost
unbearable annoyance of the stinging in-
sects of the tropics. exposed to dangers unbearable annoyance of the stinging in-
sects of the tropics, exposed to dangers
from wild animals and poisonous, serfrom wild animals and poisonous ser-
pents, to wretchedness, and illness, and, sooner or later, certain death that migh't otherwise have been avodided. For mighth
over lurks, in the ever lurks, in the form of swamp fever and
"black vomit" and beriberi, in those brack vomit" and beriberi, in those
pestilential forests where, only, the rub-ber-trees grow, axd the strongest of loss ones who are who venture-or hopless ones who are driven-thither
fall a little later than the weakest. Since the traffe in rubber began rubber workers have been lured into the vages. Working for a few months overy wear. at earnings of a from $\$ 8$ to $\$ 10$ per day, a man could soon earn enough, it might be hoped, to enable him to return
0 his own settlement in affuence for the rest of his days. When e could stay or leave, work or est as he chose, the life was in som
mall degree bearable, and both white nd natives were caught by the Then with the increasing call for rubber and yet more rubber, the hand of the
companies began to fall heavily and yet ore heavily; veritable slave-driving more heain;
esorted to get more and yet more wor aatives employed in the What though the the score, as in the Putumayo Distric where the number of Indians decrease
from 50,000 to 8,000 !-There were enough to go round. More natives could be got somewhere,-lor the news doe not travel read
tropical jungle !
But the news did travel. A few year lation of atrocities horified by by the reve white men (chiefly Belgians) alony the th
Congo. More recently storis from the jungles of South America, frout the now notorious Putumayo District stories so horrible that they have
fastened upon the "civilized" men there fastened upon the "civilized" men there
engaged in the managing the collection of crude rubber, the unenviable title of "monsters of the rubber traffic." Among
the companies so engaged in this cenpecial the companies so engaged in this especial
locality was at least one of 1ritish name and origin, and so Britain could not stand still., With the Peruvian Gouvwrment she instituted an, inquiry, Men
Nore sent to investigate and their re-
inhuman treatment of the rubber work ers by white men. The "London Com-
pany" withdrew, but, says one of the Blue Book reporters, "The fact that this British Company should possibly cease
to direct the original families of Peruvian origin who first brought these Enest wares ( 50,000 slaves) to the materially affect the situation on the Putumayo. The Arana syndicate still ermed itself the Peruvian Amazon Company (Ltd.) up to the day of my leaving
Iquitos on the 7 th December last. The


The Sisters
From a painting by Bouguereau. Exhibited at the Western Fair, Sept., 1912
Whole of the rubber output of the action, would be needed to keep cond
egion, it shoutal he borne in mind, action, would be nteded to keep cond is placed upon the English market, and should be. It would be hard indeed botoms. Some few employees in its tropical juncle. To establish in



 remannt of the Imdians may be able to out in Mancesestre Jolm Brown points
needs of our modern civilization natives on the Congo and the Amazon ives." . . . No wonder that he shoul cry, "Can nothing be done to get al shipping companies to ban all rubber as outrage on our common humanity ? it no ships would carry the rubber the bar-
barities would be lessened if no abolished." abolished."
Vain appeal, it would seem, for wha are ships but a very inevitable portion of that great system of cammerce which,
though so necessary, can be, when tempered with the feelings of ordinary humanity, so hard and stern, a great juggernaut that crushes thousands be may gather together millions the few cannot use, and that will make them personally no whit better if not positively worse
So far revelation of the rubber country mayo district, buen confined to the Pututhat somewhat similar conditions do not obtain in other portions of the vast
tropical and semi-tropical regions South America. "The crimes of the Putumayo, horrible as they are," says their counterpart, remote regions of the same lawless forest, although possibly not to the And now, passing this, what of the Amazon jungles? What manner of terriory is this into which the rubber-workit must go ? What manner of life is
that they must live there day after day, week after week, if they fall not by hterest stimulated by the revelation about which the world is talking; and
he answer comes quickly through a volume recently published by G. P. Put-
nam's Sons (New York and "In the Amazon Jungle," by Algot $\underset{\text { Mr. Lange spent a year in the }}{\substack{\text { Lange. } \\ \text { Mr }}}$ heart of the Brazilian a year in the very,
to the mayo, and his book is a the Putudramatic record of his travele and ex periences. He tells little of the rubber he came into contact were of which order from those which have a dian posed in the Putumayo District-but he
tells much of the perils by tood and forest which the rubber-workers have t encounter throughout that whole vast
region." says Mr. Dellenbauch who introdaces bis Work, "buoyant, strong, vigorous. Wher so later, on his return, he was an emafore the other only placing one foot be and indeed barely able to hold himself

The Beauties of Autumn in Nature and in Our Lives
a paper given by Mrs. Jas. Venning at a meeting of the Harrietsville branch
of the Women's Institute The season is always a little behind tion an in our climate, just as the tide is Cording to the calendar, the summer ought to reach its calendar, the summer anc, but in reality it is some weeks ater; June is a maiden month all
hrough. It is not high noon in nature
int alonut the first or second week

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begins to dlm, the foliage of trees and
woods to tarnish, birds to fade, and their songs to cease;
the hints of approaching fall the hints of approaching fall are on
every hand. How suggestive the thistle-
down, for instance, one of the lighte things in nature, when it brushes lightly over our heads! The first snow-llake tells of winter not more plainly than
this driving down foretells the approach In the Fall the battles of the Spring are fought over again, beginning at the is the same advance and retreat, with
is many feints and alarms, between the con-
tending forces, that we witnessed in tending forces, that we witnessed in
April and May. The Spring comes like April and May. The sp-ing comes like it is evet beaten back but ever gaining ground-with now and then a mad "push
upon the land" as if to overcome its The cold from the north encroaches upon us in about the same fashion. In
September or early in October it usually.
. makes a big stride forward and blackeng all the more delicate plants, and hastens
the "mortal ripening" of the foliage of the trees, but it is presently beaten back
again, and the genial warmth again, and the genial warmth repossesses
the land. Before long, however, the cold returns to the charge with increased
forces, and gains much more ground. The course of the seasons "never does run smooth," owing to the unequal dis-
tribution of land and water, mountain wood, and plain. An equal poise, however, is usually
reached in our climate in reached in our climate in October, but
sometimes is most marked in November, forming the delicious Indian Summer.
Then a truce is declared, and both forces, heat and cold, meet and mingle
in friendly converse on the field.
Dey after day, and sometimes week after
week, you cannot tell which way current is setting. Indeed, there is no current, but the season seems to drift a
little this way, or a little that, just as the breeze happens to freshen a a little in
the one quarter or the other. This halcyon
period of our autumn is supposed to period of our autumn is supposed to
have derived its name from the Indian, have derived its name from the Indian,
for like him, it is red and yellow and dusky; it is all gold by day and when
dull
the moon comes all silver by night one the moon comes all silver by night. One
seems then to be in an enchanted land, and romance. Not a smoke but a kind
of shining atmoshere of rable and romance, Not a smoke but a kind
of shining radiance fills all the space. This is the time of ripening of all forest
fruits, when both old and young delight to be abroad in the woods. Things
emerge and become conspicuous again. The trees attract all eyes as in May. The birds come forth from their summer
haunts and imitate their spring reunions and rivalries; some of them sing a little $\square$ con mix mon a manner suggestive of Spring. The
trout spawns. The streams are full again. The air humid, and the moisture rises in the ground. Nature is
breaking camp as in spring she was going into camp. The spring yearning and restlessness is represented in people by
an increased desire to travel.
Spring is an increased desire to travel. Spring is
the inspiration, Fall the expiration. Both seasons have their equinoxes, both their filmy, hazy air, their ruddy forest
tints, their cold rains, their drenching tints, their cold rains, their drenching
fogs, their mystic moons; both have the Cogs, their mystic moons; both, have the
same solar light and warmth, the same
rays rays of sun; yet after all, how different
the feelings the feelings which they inspire : One
is the morning of life, the other the evening; one is youth, the other is age.
The difference is not merely in us: there The difference is not merely in us; there
is a subtle difference in the air and in
the the influences which emanate upon
from the dumb forms of nature. All the senses report a difference The sun
seems to have burned out feeble, and retreats to the south, because
he can no longer stornis from the face the cold and growing potency about his beams in the
Spring; a waning splendor about the Spring; a waning splendor about the
in the Fall. One is the kindling fire
the other subsiding sympathise with the frame yield to and sympathise with the seasons? Are ther
not ranre births in the Spring and more
 it ..re. He makes new woo sap as
H. Which
Hord " approaches the current mounts
head again, but his thoughts do
frost. peculiar feature of our Fall may
A poren a A peculiar feature of our Fall may
sometimes be seen of a clear afternoon,
late in the season. Looking acrose the felds under the sinking sun, the ground
appears to be covered vepears to be covered with a shining
at mid-dayamer. A fairy net, invisible at mid-day, and which the position of
the sun now ris. the sun now reveals, rests position of
stubble, and upon the stubble, and upon the spears of grass,
covering acres in extent,-the
innymork innumerable acres in extent,-the work of
walk through itle spiders. The cattle walk through it, but do not seem to mark upon it. At the same this mark upon it. At the same time
stretching from the top of a stake in the
fence fence, and leading off towards the sky, may be seen the cables of the ""lying"
spider,--a fairy bridge from the to the fairy bridge from the visible
anvisible. Occasionally agamst a deep mass of shadow, and enlarged by particles of clinging dust, they
show quite plainly, and sag down show quite plainly, and sag down like a
stretched rope, or sway and undulate in the wind. A verse from the poet Walt Whitman, seems to exactly fit this
scene :-
"A noisless patient spider, I marked where, in a little promontory, it
stood isolated.
Marked how, to explore the vacant vast surrounding,
It launched forth ment oot oo, itament, filament, fila-
Ever inreeling them-ever tirelessly , spreading them.
"And you, o my soul, where you stand surrounded
Surrounded
Surrounded
space,
$\qquad$ Ceaselessty measureless oceans seeking the spheres to connect them, Till the ductile anchor woll be formed Till the ductile anchor hold ;
Till the gossamer thread you fling, Catch somewhere, O my soul !" No one can take a walk in the woods
on a calm October day, without being deeply impressed by the great appain waste of beauty and creative skill, seen in the faded leaves which rustle beneath
his feet. Nature weaves his feet. Nature weaves and unweaves
her web of loveliness each season, not in
order to mock us with delusive hopes, but to turn us from ell things false and
fleeting, and teach us to wait and prepare for the true love of our souls,
which is of earth, but in the abiding things of heaven. By the beauty of her autumn
loveliness she is appealing to all that is deepepest and truest in to ar spall that is
dealing nature, and through her fading flowers and her withering grass and all her
fleeting glories, she is speaking to us words of eternal life, whereby our souls
may be enriched and beautified for over. We all do fade as a leaf; but it has been proved that even an annual leaf can be
made perennial by grafting it on the made perennial by grafting it on the
twig of a tree, when it changes from frail parishing leaf into a firm and persisting branch. So our leaf-like life
which must fade in the aut which must fade in the autumn of earth's
doom, by being united through faith to Him whose name is the "Branch" wil partake of His everlasting endurance and nothing can separate us from His
love.
The Scriptures represent age by the
almond-tree which bears blossoms of the purest-tree whith hich bears blossoms of the
Men we have the Master's : "First the blade, and then the
ear,, and after that the full corn in the ear." The beauty of Spring, the splendor of Summer, but the glory of the crowning glory of our lives. the crowning glory of our lives.
Age may seem frightful to the young, who view it afar off, but it has no terror
to them who see it near. It abond with consolations and also with delights.
Why speak of age in a mournful strain? It is beautiful, honorable, eloquent. Welcome the snow, for it is the emblem of
peace and of rest. It is but a tomporal peace and of rest. It is but a temporal
crown which shall fall at the gates of Paradise to be replaced by a brighter
and a better.

## Oup New Serial

 "Rebecca of Sunnybrook farm," thestory that made Kate Douglas Wiggin story that made Kate Douglas Wiggin
famous, is not "new," but it is known throughout our farming districts that we feel justified in using it as this
winter's winter's serial story. It is a story for young and old, sweet and wholesome
from start to finish. At an early date we hope to publish a biographical sketch her personal friends, a Canadian, Mre
Alice Blythe Tucker Wilcox, Alice Blythe Tucker Wilcox, already well-
known to our readers known to our readers through her
articles which have appeared from time
to time in these peger to time in these pages.

## Some Old-Time Echoes

on trek in

## a boer courtshir.

"I wish you could have seen a Dutari wedding whilst you were in Pretoria," was once remarked to us. As we did the manners and customs thereanent: "First catch your hare,", applies aa aptly to the preliminary step in matrrBut after, what a dull, prosaic, deadt alive fashion does a young Boer maldem enter the toils I Dumbiedikes milght Scott might have visited or South Africa in his dreams, otberwise how could the have pictured such a suitor? Fancy it being possible for it to be a mattor of uncertanty, amidst a bevy of sisters,
until the very handkerchief is thrown to ne of them, which is the object of the case usually, and it is such is the think of the pangs which might thus be caused to six or more maiden hearta, il each should have laid the flattoring nction to her soul that she, and mhe Pieter" $\mathrm{s}^{\prime}$ " dreams. Not being a Mork' Pieter will serve (it saves an initial, and any other name) must choose onell as any other name) must choose one; and,
in spite of taciturnity, who knows but that the cunning fellow has lowg but up his mind which sister he shall ank
to become his vrow? His caution and to become his vrow? His caution and
pride alike deter him from making the
venture at venture at all, until he and his familly have some assurance that she and ther Pieter is very safe to come to termes.
pery young, but that to Pieter is very young, but that th no
obstacle to his succoss. Pieter is bash
ful; and if he were: not, it is ordeal


Houses, Richmond Street, Tor
enough to render him so, when the
actual moment has arrived make his proposals in due form, and in
person; for I need not say that if get
ting a wife depended upon Pieter's writ
ting a love letter, he would undoubtedly ing a love letter, he woul
and his days a bachelor.
Arrived at the he
Arrived at the house of his father-in-
law-to-be, if fortune favors him, he "oofl-law-to-be, if fortune favors him, he "off eeddleg" by invitation (you have no
manners it you do so, be you who you
many, uninvited), and enters the forehuis, may, uninvited), and enters the forehuis,
or general room. He is got up regardless of expense, as far as his ow
clothes and his animal's accoutrement
are concerned, and somewhat sheepishly are concerned, and somewhat sheepishly
te goes through the usual round of hand-shaking. Does he, or does he not,
eontrive to convey by that dumb magic,
Which can make even a hand-clasp eloWhich can make even a hand-clasp elo
qrent, the whole tale of his hopes t
ti maiden he desires to win presently th maiden he desires to win presently?
D. onent sayeth not, and the chances
are that Pieter feels too many eyes upon ar onent sayeth not, and the chances
him to risk even the little bit of comprocure. Then, pity our poor Pieter as
he sits patiently until bed-time comes,
often not uttering a syllable, and then
only to reply to questions apart as the only to reply to questions apart as the
poles from the object of his visit. But,
supper and prayers over he knows it supper and prayers over, he knows it
must be now or never with him. If he fe invited to remain, he is sure of the
consent of the latner and the mother; and here let me venture this little re-
mark: woman's rights have never been
agitated for or against in South itrich that I know of; but this is probably be cause women have so full a share permitted them. No Dutch husband dreamness, or which can in the remotest de-
gree affect the welfare of his family, without consulting wis wife; and he mily, realizes the truth of another good old adage, "Two heads are better than
one." "Pieter, asked to remain,
then takos the flrst, takes the first step permitted him the doors leading out of the living-roo
(in a large Boer house there may (in a large Boer house there may
foup or five) leads to that which she oc
cupies. There he stands, cupies. There he stands, or sits, if
if wise and there is anything to wise and there is anything to sit f, Pieter; pluck up your courage; 'faint
heart never won fair lady,' neither will you, without a bolder front than you lew weary hours."
hich ind af a struggle, hich is so tikeggle at all, and a "no." just as well, and our Pieter has don night, and the question which he has
 wim?", "If she has consented to do this, she has virtually consented to "sit up",
with him as long as they both shall live. this which robs it of all guile, and lest
it shock the sensitive nerves of any it shock the sensitive nerves of any ten-
derly - nurtured, duly - chaperoned young lady in this our England, where "such
things would not be tolerated." assure her that our young folks have
less chance of whispering their sweet less chance of whispering their swe
nothings unheard, than any nineteen out
of twenty engaged couples here more outward fences bristle guard them from the faintest appear-
ance of even a harmless indiscretion. Pieter is human; so, given the oppor-
tunity, he would probably like to kise Gretchen, and Gretchen would probably like him to kiss her, too; why shouldn't
she? But think of the giggles of the five disappointed sisters, from the "ha really for awhile did think Pieter had peeped out of the corners of his eyes at
her, more frequently than he ought to have done, consistently with his no right not-to-be-choked-down, bubblingover laugh of the youngest of all, to
whom the whole thing is simply and whom the whole thing is simply a good
joke, out of which she at least will take
her share of fun. The high rattered roof is a rare conveyer of sounds; therelore, oh! Pieter, and oh! Gretchen,
muffle your kisses, or kiss not at all. THEIR WEDDING Dot at all.
THI. Pieter's trials are not ended yet, for
there, as in more civilized lands, the

## everyday life which lies before them everyday life which lies before them back in the old home her home, for Pieter's wife takes him, not he her, to the old roof-tree, which might be made of Indiarabber, so unlimited are its powers of expang made powers of expansion. They will not start housekeeping for themselves; not they Their flocks and theirler they I Their flocks and their herds, the produce of the small number of ewes, heifers, etc heifers, etc., branded with the special mark of each in their babyhood, are now jark of each in their babyhood, are now jicheserty, and it is only when their riches increase with these that at last they may, as comparatively middle-aged folks, with olive branches many, move oft into a homestead We will fancy the "Doirp," orn. where the ceremony, tis to be performed by their Dutch minister, or predikant to be Pretoria. minister, or Predikant, According to the dis- tance they live from the capital, they have taken from one to eight or ten nights on the road, their "'royal" road to matrimony. Arrived in the Plaas, or square, in which their church is its most promi- nent, but by no means most beetime object, the wedding party outspan, send ing their oxen to graze outside the town, tended by a Kaffir herdsman, while they prepare for the great hey prepare for the great event which arrays herself as a bride is bound to do, veil, orange blossoms, and all; but be yond these, I doubt if she makes yond these, I doubt if she makes any more purchases by way of trousseau Piet Pieter, poor soul, hires his wedding gar- ments, and a pain and weariness of then flesh are they to him. He is only thankful to know that as long as his Gretchen lives, he need never, no, never, suffer such discomfort more. Should she die, which, of course, he hopes she will not, why, then, you kniow-. A Dutch widower consider widower considers three or four months a long and tedious time of mourning. What better compliment can he pay the dear helpmeet whom he has really loy thed way for years, than to replace her as oon as possible PIETER IN <br> PIETER IN BRIDEGROom ARray. Look at our Pieter, now; ho Look at our Pieter, now; he would not know himself in the glass, did he possess one, and it is on the cards, that ,he may not. An unmitigated "topper," stove pipe, or whatever the real name of that unsightly head-covering civilized nations have never got the better, crowns him. His unaccustomed feet- are stuffed into stiff, shiny-leather boots are stuffed into gtiff, shiny-leather boots, instead of his dear old, easy-going "veldt schoonss," dear old, easy-going his hands into gloves, and the rest of his body is enveloped in a swallow-tail black cloth coat, white a waistcoat, and trousers of a size so accommodatin that if they be hired by accommodating ordinary hean man of ordinary height he must put up with their bagginess and take a reef in them somewhere to shorten them, so that somewhere to shorten them, so that bifger man than he may wear them to if so disposed. The ceremony Pieter, and Gretchen have to exhibit them selves to an admiring world in their ne selves an admiring world in their new character as man and wife. Arm-in-arm they of y parade through the principal stree of the town, the husband taking the wife's symbolic of the order of of precedence which shall be their rule hereafter. H.A.B. <br> Hope's Quiet Hour. <br> God's Stenographers.


 showed me a letter from her niece-a lovely words about myself: '"I think there is one thing I want to be, it is
that. Week after week the praver given to me of sending out Grod's mes-
sages. Week after week I go to Him
and and ask what particular mossage He
wants to send to you through this Quiet
Hour. How could I dhre His business culless I He made it clear to me what He wanted said? Lately a letter reached me from one of our read-
ers in Alberta, in which she thanked me for answering her question about prayer
-a question which, she owned, she had

Long ago our Lord sent out His di
ciples, telling them to fear nothing whe
they were called upon to speak befo
rulers and kings. Though they wer they were called upon to speak before
rulers and kings. Though they were
only ignorant men, they were God's mes--
sen ony ignorant men, they were God's mes-
sengers, and He not only supplied the
message, but message, but also the fitting words in
which to deliver it. "I will give youl a mouth and wisdom, whill give you all your
adversaries shall not be able to gainsay
nor resist," He mens. nor resist,", He says, and "Whatsoever
shall be shall be given you in that hour, that
speak ye: for it is not ye that speak, but the Holy Ghost."
Don't put your Bible
and talk
$\qquad$ spoke only through prophets and apostles of old time. The Bible is the most
up-to-date book (or books) that we pos-
sess. The prophets were not sess. The prophets were not arraid to
face bitterest opposition, because they
were able to say: "Thus saith the were able to say: "Thus saith the
Lord." When they spoke the truth, they
knew that He Who is ""The Truth" knew that He Who is "The Truth"
would make His words good. Baruch wrote down ""with ink in a
book" the words of Jeremiah; and, when book" the words of Jeremiah; and, when
the king in his anger had burned the
book. Jeremiah dicteted all him book, Jeremiah dictated all his words a
Becond time to the scribe. Evidently,
Bacuch acted as Jeremiah's stenogra-
pher; but the prophet was himself writpher; but the prophet was himself writ-
ing from dictation, for he says that ing from dictation, for he says that God
had told him to take a roll of a book and write about the sin of of a bis people
and the certainty of punishment.
When Moses was told to deliver God's When Moses was told to deliver God's
messages to the king of Egypt, he made messages to the king of Egypt, he made
many excuses.
Perhaps he thought he
was being very humble, but he was really was being very humble, but he was really
looking at his own capabilities when he
ought to have leaned on God. How ought to have leaned on God. How
modern those excuses. sound : "They will not believe mex.... I am not elo-
quent. I am slow of speech. of a slow tongue." Plow of speech, and
excuses are excuses are put forward nowadays, when
God tells His servants to deliver some God tells His servants to deliver some
of His messages. How utterly the ex-
cuses of Moses mores. cuses of Moses were swept aside the the
reasonable decloration reasonable. deccaration that He, Who
only can give anyone only can give anyone speech or elo-
quence, would be with his mouth and
teanch bit quence, would be with his mouth and
teach him what to say. When, even
then, Moses pleaded that some other then, Moses pleaded that some other
messenger should be sent, we are told
the anger of the ser the anger of the LORD was kindled
against him. If he was afraid to be
God's against him. If he was afraid to be
God's spokesman to Pharaoh, at least
he might venture to he might venture to deliver the message
committed to him to Aaron, his ther. Then again came the wonderful
promise : "Thou shalt speak unto him,
and put words in his mouth. andise : words in in hhalt mouth: and I him, will
and with thy mouth, and with his mouth, and will teach you what yith his mouth,
If the excuses are still do." so are the promises. GGod has still
many messages that He wants men to receive, and He still chooses His mes-
sengers. Moses was looking after the
sheep of another man-acting sheep of another man-acting as a day
laborer-when God told him to be His
messenger to Egyp. That humble shepmessenger to Egypt. That humble shep-
herd became one of the most famous men
that have ever lived that have ever lived, because he con-
quered his timidity and went forth boldly as God's spokesman. The Hebrew
prophets were great men, and accom-
plished splendid work plished splendid work. Why? Rausch-
enbusch says it was because "they lgoked
open-eyed at the open-eyed at the events about thend, and
then turned to the inner voice of God to interpret what they saw, They went to
school with a/living God, Who was then at
work in his, world, and not with a God
who had acted, long ago and put it
down in a hook,, work in his world, and not with a God
who had acted, long ago and put it
down in a book,"
Why can't we all learn that the God
Who long ago sent out prophets and
apostlos with living messages, fresh from
His own heart, is not only will apostles with living messages, fresh from
His own heart, is not only willing, but
eager to spat eager to speak through us-through our
words and Itives.
Lives speak more forcibly than words, taken as a more forcibly than words,
knows how far the and one ever
knspiration of unseltish living may travel. The poor widow,
who cast into the treasury of God all
that she possessed, may have thought
that only God would ever know about her priceless gitt-only a farthing-whit
good could that possibly do? But Good
can always work miracles throush can always work miracles through a woll- sage delivered to this wanted that mesation, and He
ing instrument, and the widow's two dictated it to thousands ing inst rument, and the widow's two dictated it to thousands of His listening
mites have leen a living insliration to stemoraphers. They told it out to the
the world noenly two thousand years.
Shultitudes. LISTEN !


1 passed two women who were talk together, 1 heard one say enthusintice talk to the other: "She just turned in and sentence. The unknown woman who had evidently living a lifo the speaker was She "turned in and helped"" when she until something very grand came aside way. She had no idea that her willin "self-donation" to work which had no actual claim on her, would be told as
memorial of her from the Atlantic Pacific. If she reads these tines the probably will not recognize her own like the hands of God who gave gladly into thereby undying fame (in addition to the thousands of men and women), and yet
her name is still unknown. she would rather have it so, for she not in order to win glory for hersalf, if a writer employs a stenographer note down his thoughts, the glory be
longs to the author. Yet, if the is very great, and his words are author in-
spiration to the world for all time, the stenographer feels that his office is one it a hreat privilege. Who would not count grapher of Moses, Isaiah, the stenoit would What an unspeakable privilege of scribe in the little have the position Apostles, to note down the words of the of men to read. The all generations Christ I The stenographer of the Infil and mine. Hriting as about Him every week, but $I$ 隹 any more than you be His stenographer the Corinthian disciples that they told with ink istle of Christ ......written not Living God." So, then, Spirit of the at His dictation, but we are expected everyday letters. Those who watch the High, naturally judge the Master Most servant. If we are cold and harsh and
unlovely revealed the misjuctged. we are causing
When St. Philip -the desire to know more of his heart Farnest request: "Lord, shew us the
Father, and it sufficeth us," the patien I been so long time was given: "Have
ast thou you, and yet hast thou not known Me, Philip ? he
that hath seen
Me Every loving act, every loving word,
every loving thought, is a revelation of the Father to his heart-hungry children.
Perhaps thoughts may be the most farreaching messages may be the most far-
of psychollogy is still in its infancy sciene

0 wonder. Ticir werdting day has come, of that kind; and, if He chooses, even a

## REBECCA OF SUNNYBROOK FARM <br> By Kate Douglas Wiggin

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Mifflin Publishing Company, New York.

## Chapter

We are Seven.
The old stage coach was rumbling
alongi the dusty road that Maplewood to Riverboro. The day was
as warm as midsummer, though it as warm as midsummer, though it was
only the middle of May, and Mr. Jere-
miah 'Cobb was - avaring the much as possible, yet never losing sight of the fact that he carried the mail. The hills were many, and the reins lay loose-
ly in his hands as he lolled back in his seat and extended one foot and leg lux-
uriously over the dashboard. His brim med hat of worn felt was well pulled ver his eyes, and he revolved a quid, of
tobacco in his left cheek. There was one passeng
-a small dark-haired person in a glossy, buff calico dress. She was so slender
and so stiflly starched that she slid space to space on the leather cushions hough she braced herself against the middle seat with her feet and extended order to maintain some sort of sale, in Whenever the wheels sank farther then sual into a rut, or jolted suddenly over a stone, she bounded involuntarily into the air, came down again, pushed back or settled more firmly a small pink sunshade, which seemed to be her chief re-sponsibility,-unless we except a bead
purse, into which she looked whenever the condition of the roads would permit. finding great apparent satisfaction in
that its precious contents neither disapthat its precious contents neither disapnothing of these harassing detailsed travel, his business being to carry people
to their destinations, not, necessarity, to make them comfortable on the way. In-
deed, he had forgotten the very existence
of this one unnoteworthy ger. When he was about to leave the post
office in Maplewood that morning, a
woman had alighted woman had alighted from a wagon, and Were the Riverboro stage, and if he were
Mr. Cobb. Mr. Cobb. Being answered in the affirm-
ative, she nodded to a child who ative, she nodded to a child who was
eagerly waiting for the answer, and who
can towards ran towards her as it she feared to be a moment too late. The child might hav
been ten or eleven years old perhaps whatever the number of her summers, she Her mother helped her into the stage age. 0 oach, deposited a buarele and $a$ b bounuas
 and fanaly paid the fare count cuating runk
the siluer with great care
 Sou know Mirandy, and J Jane sawyer They ivio in the oriak house.".
Lord blees your soul, he knew 'em as
 expecting her. Wiil you keop an esy on
here, pleaser
11
she can get out boory ind got with folks, or got anyIt. Good-by, Rebecea; try not to get in
 Son, he any trouble to Mr. Cobb--You
see, shes's kind of exited.-We came on



 The woman gave a short sardonic
Iaukh, and said in an en explatatory may
 andd stayed over ripht, that isn't mueh
to be journexproud on 1 .h
 coaving the farm, and putting up lunch
$n$ n
n basket in $n$ taste, and a litte riding and ar
lithe steam cars, and we curried our
nite


 small shape hanging as far out of the
window as safety would allow. $A$ long
black braid black braid of hair swung with the mo-
tion of the coach; the child hed tion of the coach; the child held her hat
in one hand and with the other made ineffectual attempts to stab the driver with her microscopic sunshade; "Please let me speak !" she called.
$\qquad$
"Does it cost any more to ride up there with you?" she asked. "It's so slippery and shiny down here, and tbe
stage is so much too big for me the Itage is so much too big for me, tha
rattle round in it till I'm 'most black and blue. And the windows are so small I can only see pieces of things, and
I've 'most broken my neck stretching round to find out whether my trunk has fallen off the back. It's my mother's trunk, and she's very choice of it.", versation, or more properly speaking versation, or more properly speaking,
this flood of criticism, had ceased, and then said jocularly
"You can come up if you want to ;
there ain't no extry charge to sit sidd

"She Wore an Odd Little Vizored Cap of White Leghorn.

$$
\begin{aligned}
& \text { "Mirandy'll have her hands full, } \\
& \text { guess,", she said to herselld "but } \\
& \text { shouldn't wonder it it would be the make }
\end{aligned}
$$

$$
\begin{aligned}
& \text { guess, she sald to herserf; } \\
& \text { shauldn't wonder if it would be the mak- } \\
& \text { ing of Rebecca." }
\end{aligned}
$$

ing of rebecca."
All this had been half an hour ago, and
the sun, the heat the sun, the heat, the dust, the contem-
plation of errands to be done in the plation of errands to be done in the
great metropolis of Milltown, had lulled great metropolis of Milltown, had lulled
Mr. Cobb's never active mind into complete oblivion as to his promise of keepplete on eyvion an tebecca. Suddenly he heard a small voice above
the rattle and rumble of the wheels and the rattle and rumble of the wheels and
the creaking of the harness. At first
he thourht it was a cricket he thought it was a cricket, a At free toad or a bird, but having determined the
direction from which it eame, he turned
his head over his shoulder and saw a
"boosted", Whereupon he helped her out,
"o the front seat, and resumed his own place.
Rebecca sat down carefully, smooehing Rebecca sat down carefully, smoothing
her dress under her with painstaking precision, and putting her sunshade under its extended folds between the driver and
herself. This done she pushed back her hat, pulled up her darned white cotton gloves, and said delightedly :-
. Oh. On . "Oh! this is better! This is like
traveling ! I am a real passenger raveling ! I am a real passenger now,
and down there I felt like our setting and whem there I felt like our setting
hen when whut her up in a coop. I
hope we have a hope we have a long, long ways to go?",
"Oh! we've only just started on it,", Mr. Cohb responded genially; "it's more'
"Only two hours," she sighed. "That
will be hall-past one; mother will be at cousin Ann's, the children at home will
have had their dinner, and Hannah cleared all away. I have some lunch,
because mother said it would beginning to get to the brick house hungry and have aunt Mirandy have to get me something to eat the first thing.-
It's a good growing day, isn't it ?" "It is, certain; too hot, most. Why don't you put up your parasol $?$ ?" Why She extended her dress still farther
over the article in questior as ahe gaid "Oh, dear no ! In in questior put it up said, the sun shines; pink fades awfully, you kow, and I only carry it to meetin out all of a sudden, and I have a comes ful time covering it up; it's the dearest thing, in life to me, but it's an awful At this moment the permeated Mr. Jeremiah Cobb's elually his side mas that the bird perched by his side was a bird of very different feather from those to which he was ac-
customed in his dally drives. the whip, back in its socket, took his foot. from the dashboard, pushed his hat back,
blew his quid blew his quid of tobacco into the road, for action, he took his frst montal decks the passenger, a look which she met with a grave, childlike stare of triendly curi-
The buff calico was faded, but scrup lously clean, and starched within an inch
of its life. From the little standin of its life. From the little standing
ruffe at the neck the throat rose very the child's slender the head looked small to bear the weight of dark hair that hung in a thick wraid vo her waist. She wore an odd little
vizored cap of white leghorn, which may either have been the latest thing in mail dren's hats, or some bit of ancient finery
furbished up for the occasion. It was trimmed witho occasion. It was a cluster of black and orange ribbon and quills, which hung or bristled stiflyy over one ear, giving her the quainteet and
most unusual apperance. Her face wa without color and sharp in outline. number, though Mr. Cobb's attention hever proceeded so far as nose, forehead held fast by the eyes. ${ }^{\text {on }}$ Rebecca's way and ore things seen." Under her delicately etched brow lights half hidden in lustrous darknese. Their glance was eager and full of intergaze was brilliant and mysterious, and ad the effect of looking directly through oct ad never been accounted for, Rebecca's eyes. The school teacher and reecca er Temperance had tried and failed: her to sketch the red came for the summill, and the bridge ended by the ruined these local beauties and devoting herin rrying such messeges by a pair of eyes oh hints of sleeping power and insight hat one never tired of looking into their one saw there was the reflection of one's Mr. Cobb made none of these zations; his remark to his wife that night was simply to the effect that when
ever the child leoked at him she knocked him galley-west. lady that paints, giss me the Runshade," said Rebecca, wher
she had exchanged looks withe she had exchanged looks with Mr. Cobb
and learned his face by heart. " Did you notice the pinked double ruffle and
the white tip the white tip and handle? They're
ivory. The handle is scared That's because Fanny sucked and chew. it in meeting when I wasn't looking.
 She's one of them."
How many are there of you ?"
seven child There's verses written about
Quick was the little Maid's reply,
learned it to speak in school,
scholars were hateful and laughed. Hannah is the oldest, I come next, then
John, then Jenny, then Mark, then Fanny, then Mira.
" Well, that is a big family
"Far too big, everybody says, thoroughly grown-up candor that indu Mr. Cobb to murmur, "I swan !" and in sert more tobacco in his left cheek "They're dear, but such a bother, and
cost so much to feed, you see," she rip-
pled on. "Hannah and I haven pled on. "Hannah and I haven't done and take them up in the morning for years and years.
that's one comfort, it's finished,
and we'll have a lovely time when we're all, grown up and the mortgage is paid off." come away ?"
"No, I mean they're all over and don with; our family's finished. Mother says so, and she always keeps her promises. There hasn't been any since Mira, and
she's three. She was, born the day
father died. Aunt Wirente father diled. Aunt Miranda wanted Hannah to come to Riverboro instead of me,
but mother couldn't spare her; she takes Hannah does. 1 told mother last nigh if there was likely to be any more children while I was away I'd have to be
sent for, for when there's a baby it always takes Fannah and me both,
mother has the cooking and the farm." Where is it ? live on a farm, do ye Where
"Near? Why, it must be thousands
of miles ! We came from Temperance in the cars. Then we drove a long ways we got up and drove ever so for Maplewood, where the stage was.
farm is away of from everywheres, our school and, meeting-house is at Tem
perance, and that's only two miles ting up here with you is most as goo as climbing the meeting-house steeple. know a boy who's been up on our steeple,
He seid the people and cows looked like
flies. We haven't met any people yet flies. We haven't met any people yet, but $\mathrm{I}^{\prime} m$ kind of disappointed in the cowsel
-they don't look so little as I hoped they would; still (brightening) they don't look quite as big as if we were down side of them, do they? Boys always do
the nice splendid things, and girls can only do the nasty dull ones that get left
over. They can't climb so high or so far, or stay out so late, or run so
fast, or anything." Mr. Cobb wiped his mouth on the back
of his hand and gasped. He had a feeling that he was being hurried from peak time to take a good breath in between.,
i" I can't seem to locate your farm, he said, "though $r$ 've been to Temperance your folks' name
" Randall. My mother's name is Aure lia Randall: our names are Hannah Lucy Halifax Randall, 'Jenny Lind Randall, Marquis Randall, Fanny Ellsler Randall, and Miranda Randall. Mother named we didn't come out even, so they both we
thought it would be nice to name noth
after aunt Miranda in after aunt Miranda in Riverboro; they hoped it might do some good, but
didn't, and now we call her Mira. ar. Hannah is Hannah at the Winticu-
later Binding Shoes, and I am taken out of
vanhoe; John Halifax was a gentlemater in a book; Mark is after his uncle Maruis de Lafayette that died a twin. and triplets almost never-did you know that, Mr. Cobb? We don't call him Marquis, only Mark. Jenny is named
for a singer and Fanny for a beautiful fancer, but mother says they're both misfits, for Jenny can't carry a tune and
Fanny's kind of stiff-legged. Mother would like to call them Jane and France says it wouldn't be fair to father. She says we must always stand up for father
because everything was because everythng was against him, and
he wouldn't have died if he hadn't had such bad luck. I think that's all there is to tell about us," she finished, seri
chidren, and she tells about them all is
 bhelves which contain herr best--Ioved books, and among them are meny on
garrening and gat garden lore. It in $a$ appy. living practice, this



 My summer in a Garden,"> One needs mitataes and one's harrstipg "Elizabeth," by the way, lover roses
,eat of all the olower, and swoet peas lext, and ane has great plots plantod
with both.

 mhich $I$ should like to Could you toil me what dyy I had Sintur the, sill
in would ho have
would darkk-green dye color it it al riphet ort SUBSCRIBERRS DAUGHTER.
Grattan, Rentrew Cos If the piece is pure silik, any of the
 tions are caretellyy tollowed. Shantung




REMOVING STAINS.

$$
\begin{aligned}
& \text { Dear Junia,-Although I have been } \\
& \text { reading this paper for some time, and } \\
& \text { hat }
\end{aligned}
$$

have received many useful and helpful

$$
\begin{aligned}
& \text { hints from it, I have never written be } \\
& \text { fore, but I read with much pleasure the } \\
& \text { letters }
\end{aligned}
$$

$$
\begin{aligned}
& \text { letters others have written. } \\
& \text { I have always lived on a farm, and }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Phave always lived on a farm, and } \\
& \text { enoy being out among the flowers and } \\
& \text { felds very much. Many kinds of fruit } \\
& \text { and berres much. Man }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and berries grow on our farm. The } \\
& \text { cherries have been very thick this tear, } \\
& \text { and I would be very grateful if you }
\end{aligned}
$$

$$
\begin{aligned}
& \text { move cherry stains from light clothes. } \\
& \text { With best wishes to the Ingle Nook } \\
& \text { friends, I am yours sincerely. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { With best wishes to the Ingle Nook } \\
& \text { friends, I am yours sincerely. } \\
& \text { N. B. } \\
& \text { GOLDEN LOCKs. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { If the stained material is white, a } \\
& \text { cupful of Javelle water put into the } \\
& \text { boiler in which the article is boiled will }
\end{aligned}
$$ boiler in which the article is is boiled will

probably $\begin{aligned} & \text { remove the stain. If not }\end{aligned}$ White, better dye the material to ${ }^{\text {deeper shade. }}$ a Cleaning velvet-stuffing for Dear Junia,--May I, too, come with my
troubles, or, at least, with one or two of them? I am afraid if 1 were to
bring them all to you, sympathetic and
resourcemer whelm you; for I am a transplanted town-girl, an ex-school teacher, and with
f fairly-good education as far as mathematics, history, and the languages go,
but very ignorant of the ways and not discouraged, and if I continue to mprove as much in the next six years
as I have in the six years that have
tassed since I was married, I shall yet passed since I was married, I shall yet
win that noble title (humble as it may
seem to some), "A cood farmer's wife." tem to some), "A good farmer's wife."
Thet really, though, should be "A claim the other already.
IIere is the first of my worries: 1 have a bluevelvet dress on which I spilt
lea with cream in it last winter. It a nasty, greasy spot, which spong-
with ammonia has not removed. I have never had god sucess witb
tessing tor towls.
Have used n couple

 Adolphustown, Ont.
Delighted to meet you, 'UU. E. L.,',
and hope you will come again. Try and hope you will come again. Try
taking out the greasy spot with benzine or gasoline-using all precautions to keep
the fluid and its vapors away from fires, or lights. It is probably the creand that
is causing the diffculty, benzine will always remove grease. blotting paper under the spot, and wurk
the liquid towards the center with a the liquid towards the center with a
ara to prevent the formation of a "ring." If one appears when the opernap of the velvet upward, over the Try this stuffing for chicken or turkey. Three cups grated stale bread, 2 tablespoons butter, 1 tablespoon chopped sporsley, 2 level teaspoons salt, $\frac{1}{2}$ teaspoon pepper, 1 teaspoon chopped onion.
Rub the butter into the crumbs and let them stand an hour, then add the rest of the seasoning, For turkey, some
would omit the onion.
TO REMOVE MILDEW.
For Mrs. W. M., Huron Co., Ont.:-If
the goods are colored, soak for 24 hours
or more in sour milk or buttermilk, then
rinse and wash in strong soapsuds. If
the goods are white, moisten the spots
repeatedly with Javelle water, well di-
luted, rinse, then wash in strong soap-
suds, not too hot. Another method is
to apply the following : Mix 1 spoon
salt, 2 spoons soft soap, 2 of powdered
starch, and the juice of a lemon. Put
on both sides of the oftain, then lay the
article on the grass, day and night, un-
til the mildew disappears.
PREPARING FOR wINTER.
aring for winter. "Subscriber," who asked for points on
this subject,", will find several in the
"Scrap Bag" of this and of recent iscrap. The of this and of recen
for pickling, canning, etc., also come comat have been given under this head.

## hallowe'en party

Dear Editor,-Can you give me some
suggestions, through your hallowe'en party? The ".iddies," aged
fourteen and fifteen, respectively, have Rourteen and fifteen, respectively, have
have been promised a party for that evening, and are anxious to make it as
unique as possible. Can you give me few hints as to decorating the house
suitably, also some entertaining games suitably, also some entertaining games
for them to play? The hallowe'en spirit
of fun and mischief should pervade the whole affair, and I was wondering
whether it would be a good idea to nask whether it would be a good idea to ask
the youngsters to come in dififerent disguises to represent
acter, or the title of a historical charthing of the sort. The Jack-o'-lantern
will, of course, be conspicuous, and can will, of course, be conspicuous, and can
be used as efrectively in the drawing-
room as anywhere. Apologizing for troubling you, and
awaiting your reply through the Depart ment you represent.
Lambton Co., Ont. Write the invitations on yellow paper, out of black paper. Decorate the house
$\qquad$
$\qquad$
$\qquad$
over the eyes of the Jack-o--1anterns you
will find that they will shed a more will find that
Now for the entertainment: How
would it do for you to have a ghost would it do for you to have a ghost
party Have the guests arrive swathed hem shake hands with one-another have to guess who the others are the trying don't object to dancing, let If you a square dance before taking off the sheets, but any bevore taking off the
do instead. sheets, but
do instead.
of course,
Of course, . you will have all the old
hallowe'en games, such as biting hallowe'en games, such as biting apples
from the ends of strings, bobbing fot them as they float in a tub of water,
etc. As the children are etc. As the children are so of woung, it
may not be well to encourge un may not be well to encourage "late
games, but here is one that will caus plenty of fun. Fill a huge pumpkin rind with tiny parcels. tied with loops, and
let the children fish for them let the children fish for them in turn
with a little rod and hook on a lina The parcels may contain "fortunes" Written in booklets, or sealed "Portunes"
walnut shells, -fortunes of the funde o walnut shells,-fortunee of the funny, no
of the sentimental order. A few priz souvenirs may be included if you like and some packages of candies which ar
A peanut hunt, and a merry game o blind-man's bulf in which the catche
must wear a witch's peaked cap, should
end end a lively witen's peaked cap, should
fourteen and "Kiddies" o fourteen and fifteen usually like to be on the move; quiet
tions for them.
Having the guests- come disguised
represent represent some "character" would be
delightful, if your studious turn; but it would not are of a especially "hallowe'eny" idea, would it?

The Serap Bag.
TENDER ROSES AND VINES

$$
\begin{aligned}
& \text { Wrap straw or matting about hall- } \\
& \text { hardy roses, tieing it well with ropes, }
\end{aligned}
$$ hardy roses, tieing it well with ropes,

before hard frosts come. Tender vines may be protected in this way, but a still better plan is to cut them from their supports, lay them down, and PROTECTING FLOWER BEDS. Beds in which bulbs have been planted should be covered with clean straw,
leaves, or evergreen branches, for winter protection. To "turn" the rain, some over the rows, after placing the straw
over them, with inverted troughs made of boards. Loose leaves or straw may
be held down by branches pruned
from trees. from trees.. Most of the hardy perencovering, but if exposed so that the snow will blow off, or in a position Which submits them to frequent thawing
and freezings, they are the safer if and freezings, they are the safer if a
protecting cover be given. Never put manure, or even strawy manure, on bulb beds. The latter may, however, be used
with safety, and even with benefit, along the borders where ".perennials", have been growing, i. e., perennial plants with
fibrous roots.
tomatoes.

Most people know that green tom
toes, if of considerate
indoors, provided the plants wil ripe
pulled before frost, and hung on nails.
if the green fruit is carefully picked
and each tomato wrapped in paper and
place, it will ripen more slowly, and so
a succession of ripe tomatoes may be
pt for several weeks.
Rub cleaning nickel.
Rub nickel tea-kettles, tea-pots, etc
with a soft cloth dipped in kerosene.
The college instructor should take due
One member of a class ine preaches.
One member of a class in English com-
position brought his theme to the pro-
fessor after recitat tgssor after recitation hour, in order
that the professor might read ginal correction which he had
and which mar marand which the pupil had been entirely
unabie to make out. "Why," explained the professor, "tha
says, 'Write. more plainly.' "-St. Pau
Despatch.

News of the Week.
canadian
Sir Charles Moss, Chief Justice of the Ontario Court of Appeal, died in Toronto . He was in his 78 rc Seven hundred farmers of Yarmouth Township, Elgin Co., Ont., have peti-
tioned the Hydro-Electric Commission
for Niagra The city of Ottawa is, beset with ac by recent typhoid-fever patients whes illness was due to carelessness of inspec tion of the water system. Clas bills for less, are also being presented harm

The West China Educational Union, mad up of the Methodists of Canade and the
United States, the Baptists of the United United States, the Baptists of the United
States, and the Friends of England, are States, and the Friends of England, are
uniting to establish a University at Cheng-tu, China.

## bRITISH AND FOREIGN

The Nobel Prize for Medicine for this lexis Corrol) has been emarded to Dr. tyte, New York. He was born in France

Montenegro, the amallest of the Balkan States, last week formally declared war road to Scutari, dislodging the Turk from two positions. Skirmishes allo Look place along the Servian and Bul-Austro- Hungarian On Foreiger 10th, the Count Von Berchthold, declared, in the Hungarian Diet, that Austria is prepared to guard her interests in the Bal-
kans at all hazards. The announcement caused a Bensation in Europe, where some fear is expressed that the Balkan Upon the same may, involve the Powers. a. collective note inviting Turkey to to cuss, schemes for reform in Macedonla, and it was given to be understood that no change of territory, whichever party tolerated. On October 14th the Balken States replied rejecting intervention. Developments are anxiously awaited.

## A Song of the Scottish Bopder.

 From the whit or clean winde blown owide hill-pasturas fenced with sitone, or fields of fallow and lea; curlews crying above the mossWhere the wild blackfaces roam rivers leaping the caulds acros
his is the reals And hoof-tracks over the hill; You may dig from the peat-moss atil, You may find the trace of a southIn the dip of a
And the fire in their grandsires' veins
You will find in
This is the land where sweet notes
Like seagulls over the sea
The sovereign land of ancient song, And age-old balladry;
The home of Hogg, and the home And of many a minstrel king; A names that are dear in every cot
And in every palace ring.

Where may be a region fairer y Wut never and vales more fine, So girded with song as mine Trite is the tribute of praise one brings,
But But-the songs of the Past still stand, nd still ye may wake on their worn The old strings
-Will Ogivie, in T. P.'s Weekly.


## "Miny Winter Suit and My Daughter's Best Dress Cost Me $\$ 2.20$ "

 one for wool or slasses of Diamond Dyes-

Linen, or Mixed , Wion, or Mixed Goods. Diamond Dyes for And, as heretofore, those for Cotton, Linen
or Mixed Goods are in Whhit or Mixed Goods Here's the
Truth About Truth About
Dyes for
Home Use Dyes for
Home Use

one class of dye.
while manufacturers
ot cotter
DO NOT BE DEGEIVED





 Just Out-Sent Free-New

Edition, 1912-1913
DIAMOND DYE ANNUAL This book is full of dress secrets, how to do almost magical things about


Send us your dealer's name and address- tell uis
whether or no he sells Diamond Dyes. We will
then send you this fainous bouk yes.


THE WELLS \& RICHARDSON CO., LIMITED
200 MOUNTAIN ST., MONTREAL, QUEBEC

## The Beaver Circle.

> hhout guard a few cows.
> About six wolves, with the leader ha
entered entered and were attacking the cows
when a door in the other when a door in the other side of the
shed opened and a gun was dischor shed opened and a gun was discharged.
The three wolves which escaped from the gun, leaped at the man and threw him
down. down.
> When the ture changed, and he this, his wild na of the man. The leader wa the rescue ed in driving them offres, but he succeedWhen the man was found, the leade was licking his hands.
> The story was traced back to his
young days, and young days, and from that time he wa
taken good care of, and he taken good care of, and he led
ized life for the rest of his days. (This is a true story.)
BYRON J. CLARK BYRON J. CLARK (age 14).
Smithville, Ont.

## 500 MEN WAMTED

Each man to introduce BASIC SLAG to at least twenty farmers in his
locality this fall. To good reliable men we have a paying

## Basic Slag

## Is the Great Phosphoric Acid Fertilizer

When applied to fall wheat, sugar beets, beans, alfalfa, old pastures and orchards the results are marrellous. Lay the foundation for better crops next
year by applying Sydney BASIC SLAG this fall. Write at once for ouf By applying Sydney BASIC SLAG this fall. Write at once for ou
BASIC SLAG literature, which gives a lot of valuable information.

THE CROSS FERTILIZER CO., LTD., SYDNEY, N. S.
Alex. E. Wark, Wanstead, Ont., Sales Manager for Ontario
LAKEVIEW HOLSTEINS!

 E. F. OSLEEP

Bronte, Ontaplo

This Splendid
Columbia Columbia Disc=Record (Value 85c.) Free to Music Lovers

If you own a Disc Talking Machine, this gift record should certainly be in your

'You Can't Have My Cake."
Try drawing this on your slate.


Tom and Tiny.


We are giving away this regular 10 -inch Disc-Record, as a Demonstration Sample, for 10c., to cover cost of handling. It fits any Disc Machine. On one side is a splendid selection by the Columbia Male Quartet-
"Kentucky Babe." If sold as a single disc-record it would cost you 75 cents, and it's worth it.

On the other side is a story every taking machine owner should know-proof of the superior tone, surface, and wearing 〔qualities of Columbia Records-told in your own home on your own instrument. This side is worth money to every owner of a disc machine who does not own an assortment of Columbia Records. It means new value to every disc machine -new pleasure to every owner-and some people think it's more fun than any record they own. Ask for 'the Columbia Demonstration Record at any Music Dealers, and phone Adelaide 394 if you don't get one (or write The Music Supply Company, 88 Wellington Street West, Toronto).

If you don't own an instrument, sure to hear the Columbia Demonstr tion Disc on one of the new Grafonolas
before purchasing.
We will arrange, through our local dealer, for an instrument to be sent to your home
Free Trial. Price $\$ 17.50$
to $\mathbf{\$ 6 5 0 . 0 0}$.

came running out, saying, "Oh, fathe
come quickly come quickly ! My dog has got the
biggest coon I ever samw." So they
both ran, and just as they both ran, and just as they got bo they
bear, for that's what it was, stuck its head out of the log.
off an end of an old log, it was, broke one end of the log. He then stood near
the other end; and soon the ber the other end; and soon the bear stuck
ite head out that end, and he hit Its head out that end, and he hit it
with the axe and killed it. I have received no help, and will now
close. Wishing the Circle every success, I re


```
It A DISASTROUS PICNIC."
```

It was a very pleasant morning in
September.
six merry little girrs, had planned to
have a picnic in the woods, so they
started, all light - hearted and happy
Franted, all light - hearted and happy
Faton had taken his little ter-
rier dog, "Tip," with him, and some of
the others had taken
the others had taken cameras.
Wirls they reached the woods, the
geposited their baskets under ${ }_{a}$
girreading deposited their baskets under a
lapreat tree, then all took a
run around to see where the different
kinds of nut trees grew, and if they were
They , Pound the trees "pretty well
loaded," and their joy knew no bounds.
and they at once set about to pick the
After picking several bags they began
to feel hungry, and the girls set about
to prepare the dinner.
of a picnic is the most joyous things
doors. Some mothers have the children
sit up straight and prim at regular Dear Puck and Litile Beavers, - T want
meals, with a knife and fork and spoon,

| to |
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veranda, or under the trees, or let the
little folk sit on the grass without a
table, and serving sandwiches, cake
truit, and lemonade, mills,
would be nice?
We tried that way this summer, for
small people, and wit proved an excellent
way. It is also a splendid way for
way. It is also a splendid way for
grown-ups, too.
Now to the story. The girls, aided
by the boys, soon had a very appetizing
lunch ready, and
lunch ready, and all did equal justice
to it.
In the afternoon it was very hot, but
was much cooler in the thenay, as it
arose a dispute between willsed There
arose a dispute between Wullred. Mhere
and Frank Eaton as to who had picked
the more ben
the more butternuts. Frank was much
bigger than Willred, and he fnishod by
bigger than Wilrfed. and he finished by
saying to Willred, "Your father
saying to Willred, "Your father is only
a hired man, anyway."
Frank could not hnve
Frank could nyt have said anything
more mean
more mean, und Wilfred burst into tears.
As the party of picnickers were return-
ing to their hom picnickers were return-

here, and I shall wot be able to see from her
at all. So, Little Beavers and Big
here, and I shall not be able to see her
at altle Beavers and Big
Beavers, be kind to Bna
Beavers, be kind to one-another.
Margery Fraser
(Form I., High School, age 13).
(Form I., High School, age 13).
Williamstown P. O., Ont.
$\overline{\text { Success }}$
$\begin{array}{cc} \\ \text { Success. } & \begin{array}{c}\text { Of its turmoil long and loud; } \\ \text { The charm is there of a life that thrills, } \\ \text { With its throngs of young and old, } \\ \text { With its strife and stress for a higher }\end{array}\end{array}$

- By Irma True Soper.
And what is success? do you say?
You workers who toil and who
Whou workers who toil and who plod-
In plowing and tilling the sod weary
You look at the "great men" around
You look at the "great men" arou
you,
And envy them too, youl cons
And envy them too, you confess:
Dame Fortune has never
Dame Fortune has never yet found you,
Yet money has brought them .succes.
Iet money has brought them "success."
But look at the workers around you-
The bees that store sweets in the hive;
The blessings of nature surr
The blessings of nature surround you-

Your smile is so cheery! you're healthy- For its winding in the field of fame;
You vote with the heart of a mant; fraught with
woe,

You vote with the heart of a man;
And, better than being so wealthy, woe,
You're doing the best that you can.
So, say not that Fortune has missed you, That ing tone bids for the chaff and tare.
You men who are honest and

With all of her best gifts she's blest you- $\begin{gathered}\text { And the wind sings low at eventide } \\ \text { Her treasures sliee lays at your door. } \\ \text { When the fret of the day is still, }\end{gathered}$
Her treasures she lays at your door.
Success is not hoarding of monev, $\begin{gathered}\text { When the fret of the day is still, } \\ \text { And calls me away to the old farm } \\ \text { home }\end{gathered}$

You workers who toil nnd whoy $\begin{gathered}\text { Whose light shines over the hill. } \\ \text { Tis being so helliful music sweet to my weary heart, } \\ \text { Content in the love sumpy } \\ \text { Come the tones I have loved the best }\end{gathered}$


The Call of the Home.
By Gertrude Mercia Wheelock.
The city charms with its pulse und
Its surging and seething crowds;
And the heart is stirred by the meas-
Of its turmoil long and loud;
The charm is there of a life that
$\begin{array}{ll} & \begin{array}{l}\text { Of its turmoil long and loud; } \\ \text { The charm is there of a life that thrills, }\end{array} \\ \text { With its thronge of young and old, } \\ \text { With its strife and stress for a higher }\end{array}$
Success. $\quad \begin{aligned} & \text { The charm is there of a life that thrills, } \\ & \text { With its throngs of young and old, } \\ & \text { With its strife and stress for } a \text { higher }\end{aligned}$
Success.
By Irma True Soper $\begin{gathered}\text { The charm is there of a life that thrills, } \\ \text { With its throngs of young and old, } \\ \text { With its strife and stress for a higher }\end{gathered}$
In the markets of shimmering gold
But the wind sings low at eventide
But the wind sings low at eventide
When the fret of the day is still
When the fret of the day is still,
And calls me away to the old farm
And calls me away to the old farm
home
Whose light shines over the hill.
In fancy's dream I
In fancy's dream I arm lulled to rest
By the sounds
By the sounds of the woodland night;
And I catch a glimpse of the dear old
rooms
With ${ }^{\text {rooms }}$ their halo of welcome light.
ing to their homes they were chased by
a cross bull All reached a wire fence,
but being stronger, they all got over
but Wilfred; the bull charged for him,
bin
but Wilfred; the bull charged for him,
and in a moment willred was lying help-
less.
and in a moment Wilfred was lying help-
less. The children succeeded in getting
Wilfred hever
less. The children succeeded in getting
Wilfred over the fence before the bull
charged over the fence before the bull
chand time.
It was many weeks before Wilfred was
well again, but the one who stayed with
It was many weks before wilfred was
well again, Dut the one who stayed with
him most and brought things was Frank
Eaton.
Enton.
Lever afterward Frank was Wilfred's
dearest
Oh, I weary much of the busy mart,
of the quenchless thirst for main,
That are spent in the field and tears
That
dearest triend. Margery fraser
(Form I., MARGERY FRASER High Schol, age 13). $\begin{gathered}\text { You men who are honest and poorr; } \\ \text { With all of her best gifts shes shlest you- } \\ \text { Her treasures she lays at your door. }\end{gathered}$

By Gertrude Mercia Wheelock.
ured beat by the meas With its strife and stress for a higher
By Irma True Soper.
And what is success? do you
You workers who toil and who plod-
Whose muscles have often grown weary
Whose muscles have often grown weary
In plowing and tilling the
You look at the "great men" around you, them too, you confess :
Yet money has brought them "success." And I catch a glimpse of the dear old
Your smile is so cheery! you're healthy-
You vote with the heart

vinver

OC'TOBER 17, 1912
When You Are Mappied. By Marjorie Stewart. Wedding-day superstitions are about ard to uproot as any others-which sted so long. No matter how have per e are, all of us hate to defy ration ven if we do not exactly traditio wedding omens, we always hesita openly disregard them, fearing that the threatened something might happen to make us wish afterward that we had been a little more believing.
Somehow, rich as wedding tradition is, unlucky for marriage. certain years as this lack, however, the distinction for regard to months are quite defite How many months are quite definite. joined or will join fortunes under the influence of the rhymes, which predic
that:

Married when the year is new When February birds do You may wed, nor dread your fate. If you wed when March winds blow Joy and sorrow both you'll know.
Marry in April when you can,
Joy for maiden and for man. Marry in the month of May And you'll surely rue the day Marry when June roses blow,
Over land and sea you'll go.

They who in Juty do wed
for their brea
Whoever wed in August be
Many a change is sure to see
Marry in September's shine, Your living will be rich and fine. If in October you do marry,
Love will come, but riches tarr If you wed in bleak November, Only joy will come, remember. When December's snows fall fast,
Marry, and true love will As for the days of the week, becaus our mothers and our grandmothers and
our great-grandmothers believed it our great - grandmothers believed it, we
hate to reject the old verse which warns us that we marry on Monday for health, Tuesday for wealth,
Wednesday the best dey Thursday for the best, day of all ;
And Saturday for for for crosses, And Saturday for no luck at all. Custom has also set aside thirty-two
days of the year as unct riage, though according to masculin testimony there are 365 of them in eac
year, year, except in leap year, when there is
one mut the days of which tra-
dition bid. dition bids you beware are: January
$1,2,4,5,7,10$ and 15 ; February 6,7 1, 2, 4, 5, 7, 10 and 15; February 6, 7
and 8; March 1, 6 and 8; April 6 ans
11: May 5 . Muly 5 and 19 ; Auguat June 7 and 15
Jind tember 6 and 7 ; October 6 ; November 15
and 16 , and Aside from the time of the year 17 . the day of the week and month, it seems that your wedding garments in
fluence your future career in some my terious way, for does not the old rhyme
tell us that: Married in gray, you will go far away. back.
Married in brown, you will live out of town.
Married in in red, you will wish yourself Married in
whirl. pearl, you will live in a Married in in green, ashamed to be seen.
Married in yellow, ashamed of your Married in blue, he will always be trat Murfied in pink, he will always be tride.
Murrits will sink. alrried in white, you have chosen arizht.
-Pictorial Review.

Winter on the Farm. When the butcherin' time is over and the When corn is gathered in When the apple's in the cellar and the When the day is cool and When the day is cool and cheery and the
snow is on the snow is on the ground,
And a fellow is so happy thet that his pulses If there's a time
Then time that has a charm-
Then it's when the crops -
and it's winter on the farm
It's early in the mornin' on a cold and ou kin hear the "Halleluyer"
 the calves a bawlin, too: If here's times a howdy-doo !", "s merry and suffers no alarm, Then it's when the stock is happy and
it's winter on the farm. On a cold and frosty mornin' you kin drive out in a sled,
With the snow a crunchin' under, sun shinin' overhead
And the ground is million fleecy flakes, And the flakes are sparklin' glory, peace,
goodwill, for our dear If there's a time that is inspirin' time that has a charm, It's when the snow is sparklin' glory and
it's winter on the farm When the cows are in their stalls and the horses in the stable,
When the milk is in the bowls and the When you set down to the table and the Kin blessing has been asked, wheaven beat my heaven, when the
If there's a time is passed? and that has a hallowed charm,
It's when the pone is on the table and It's when the pone is on the table and So when butcherin' time is corn is gathered in
When the apple's in the
When the tater's in the bin,
horse is in the stable,
When the snow is
When the snow is sparklin'
If there's a time we should be thankful hen it's ine for us should be a charm, and it's winter on the are gathered

## A Colt that Changed Ownership.

Thare was a big row on the farm last week, and as a result, Jimmy, the
adopted boy who had been with the amily for over twelve years, and was
the mainstay of the place (though it wa mainstay of the place (though, it was
not recognized until too late), is off working for another man. The difficulty as one that is liable to occur any time plaining a little: One day the
One day the farmer and Jimmy were ed soon, and in a fit of generosity the man said: "Jimmy, that colt will be was good news to Jimmy, and it put him in an exceptionally pleasant frame
of mind, but as the colt developed in size and beauty, and offers in hard cash for his purchase hegan to come in, the
farmer decided that he had been rather hasty. So he told Jimmy it was just a
joke offering the colt for keeps. Jimm joke offering the colt for keeps. Jimm
did not believe this, but claimed that promise was a promise, and should be
kept. But one day the colt was sold kept. But one day the colt was sold
sure enough, and Jimmy did not see sure enough, and Jimmy did not see a
dollar of the money. He complained bitterly of the fraud that had beer practiced on him, and that night packed And he was right. The man who made Pault, and no doubt bitterly regrets, not
only his failure to keep his promise but
his loss of Jimms, the hest youncter his loss of Jimmy, the best young helper
he ever had.
 F.O.B. Windsor, includ
ing windshield mohair ing windshield, mohair
to w with envelope, jifty curtains, quick detachable rims, gas head- "32" Dellivery, fully equipped, \$1125
lights. Prest-0.lite tank, oil lamps, tools
ind horn



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nternational Seucurities Company, Ltd., Somerset M moker romeferred an Permanman, abstainer and no

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Stewart. London, Ont., General Deliverd. $W_{\text {ANTED-Cash paid for MilitaryLand Grants }}^{\text {AT }}$ loration. Box 88. Brantford.
W $\begin{gathered}\text { ANTED } \\ \text { house-worke tiable woman to assist in in genera }\end{gathered}$
Plain and


 temperate. Yearly engagemon. Must be strict!
enceos. $\begin{aligned} & \text { reaured. } \\ & \text { Bay, } \\ & \text { Bay, Ontario. refer }\end{aligned}$
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 or full description and lists to D. D. Pe. Milter, Sect
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## Shires and Shorthorns




THE FARMER'S ADVOCATE.
THE SPICE OF LIFE. In this old world the time to strike ""What did you do with your book And whou will find there's nothing like
 yourough a megal process." "What do
"Had it bound eep the piece." .

The venerable farmer with the tobaccoclimbed aboard the limited and shambled into the smoker. "Mister," he drawled, when the con$t_{\text {train }}$ ? cents-a $^{\prime \prime}$-mile rate good on this train ?" "It is Where is your ticket ?") brusquean ancient man fumbled in the depths of "Ain't got no ticket, mister", he sat slowly, "but here be two cents. I never yode on one of these pesky flyers, and I Just want to feel the sensation. Put me

That Maclaren was once the guest of the brilliant speech on Soottish humor. One perfect way, because it in my own imreal touch of Shakespearian humor In a dull Scotch village on a dull mornHe was neighbor called upon another. wife, and the conversation went thus?
"Ay."
"Ay."
"Gaen to be weetty (rainy), I think."
"Is John in ?"
"Oh, ay, he's in
"Oh, ay, he's in.",
"But A wastit to see him
deid." but you canna see him. John's
"Dild ?"
Sididen
"Very sudden
"Very sudden.
"Vor
Did he say onything aboot a pot
THE CHEAPER CUTS OF MEAT
con with care the magazines,
All filled with helpful "ways" and "'means" How best we may economize.
Since food has soared to heighe How apropos is each receips sublime Which teaches in this parlous ti
The use of cheaper cuts of meat.
or sirloin steak I need not sigh,
From costly chops I must desis
The choice rib-roast forbear to buy
And on the chuck and shin subsist.
thus may save my household boor
Theso days when dollars' wings are fle
And live as well as any lord
Upon the cheaper cuts of meat.
Alas, I found this all too true
When I to purchase did essay
The butchers read those pages, too-
They'va raised the price without delay
No fruit the frugal crice without de
My disappointment is complet,
My disappointment is complete,
There are no ""heaper cuts" of meat
-Elsie Duncan Yale, in the Commoner.
A PUNSTER boards a buggy Suppose," he said, in accents soft,
"A fellow iust Should axle listlee girl to wed,
What would her answer be?"
he maiden drops her liquid eyes,
Her smiles with blushes mingle Why seek the tridte, halter whingen
You may love ont sir Ad then he spoke, "oh, be my brid I ask you once a, atin: be my brid And the enpress of mhall ever rein! heart
All Your sla tire of hindly deeds
nd saddle hio the nuly be,
Who our bliss dally see.".
The while he spoke the maiden felt
Her manting boushes clown
he took him for ther tuithful hub,
To shure his

Gossip.
The king's new farm. His Majesty has purchased for $£ 12,000$
(\$60,000), Shernborne Hall Farm, which
is ham. The farm was bequeathed to Em ago. An interesting clause in the egree
ment betwen the college and the trent
which has existec fore an tong perion, is that the tenant should supply six
turkeys yeanly to the
farm consists of between ollege. 600 and farm consists of between coneo. and 7
acres or land, much of which is used f
barley-growing and
 years ago the late King Edwerd eipu
chased the whole ot the parish of Sher
borne, with the exception of Shernho borne with the exception of Shernborne
Hall Farth
tically rined Sondringham is now prand

holsteins keep on the move.






"Come up and jine de army of do ". Ah done jine.
Where you jine?
"I jine de Baptist Church."
Lawdie, sister, dat ain' de army
Dat's de navy !"-Judge.
-"What are those notches on your pisto handle $?^{\prime \prime}$ inquired the girl who was
spending the summer in the far west. "Batir game," answered the cowboy parasol handle ?" And then he changed the girl. proposing and strolled thoughtfully proposing and strolled
away. - Weshington
Herald

BOOK REVIEW.
A book for plant - breedérs. "Plant Breeding in Scandinavia" is the will appeal especially to the increasing number of persons in Canada and else improved seed-growing. It is issued under the auspices of the Canadian Seed growers' Association, whose capable Secretary, L. H. Newman, is the author o the present work. He spent a lengthy period investigating the status of plant reeding in Sweden, Norway, and Denmark, but most of the inquiry related to the Swedish Seed Association, and the famous institution at Svalof, under
the direction of Prof. Hialmar Nilsson aided by a capable staff of experts. it is designed to be a serious and. trus worthy contribution to knowledge
two logical problems, it is scientific two logical problems, it is scientific
rather than popular, though the general public than popular, though the general
peverlooked. Numerous
illustrations illustrations add to the appearance and
usefulness of the sefulness of the book, copies of which
will be available for public libraries agricultural colleges, and other institutions, and persons specially, interested in plant-breeding, the balance being avai-
able for distribution to able for distribution to applicants.
quiries should go to the Secretary, Newman, Canadian Building, Ottawa.


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A AAN trife to sell me a hos. orce. Fown


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## I



## 1

## ,






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 It thino it will wash a tub full of very difty
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relible home remed



This season I am
offering for shale
brecding ewes E. E. LUTON, R. R. . St. St. Thomas, ont.
$\qquad$ no more thus:
noug No MORE COLDS $\$ 1$ THE BOTTLE
Kist, complaining that his throat was
stopped up and the
enthe. "I've drunk all that patent
("ugh mixture," he said.
"Drunk it ?" yelled the
hat's an India-rubber the druggist. "Why,


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## TRADE TOPICS looking for nowadays on the people ar after after they are earned, the new point is where to keep them with <br> $\qquad$ Oral Life Assurance Co. make Fhis Fed nouncement elsewhere that readers will look carefully into by consulting repre sentatives of the company or writing to the head offices. Look up the advertise the he ment. <br> There is no better or more economical food for live stock than oil cake, and no more reliable dealers in this comno more reliable dealers in this com- modity than the Dominion Linsbed Oil Com ompany, at Baden, Ontario, a station on the G. T. R., about halp-way between Guelph and Stratitord. This firm has had a long experience in the and sale of oil cake, and supply it fineground, coarse - ground, pea - size, or nutted. nutted. See their advertisement on an- other page, and if your dealer cannot other page, and if your dealer cannot supply you, write to headquarters.

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Going Dates.-October
7th Going Dates.-October 7th to Novem-
ber 9th, inclusive, to all points isk'ath, inclusive, to all points on Tem-
iskang and Northern Ontario Railway, Temagami, etc., and to certain points in
Provinces of Quebec, Nova Scotia, and New Brunswick, also State of Maine. October 17 th to Noverber 9 th. in-
clusive, to Muskoka Lakes, Lake of Bays, clusive, to Muskoka Lakes, Lake of Bays,
Georgian Bay, Maganetawan and French Rivers, Kawartha Lakes, and points on
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Sound, Lindsay to Haliburton, Argyle Lo Coboc

Penetang, Midland an Lakefield.
Return Limit.-All tickets valid for return until Thursday, December 12th, ex-
cept to points reached by steamer lines, cept to points reached by steamer lines,
Tuesday, November 12th, 1912.
Write to A. E. Duff, District Passenger Agent, Union Station, Toronto, Ontario, for free illustrated booklet, entitled
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## GOSSIP.

In the advertisement of Holstein catman, Breslau, Ont., in our October 10th
issue, the price issue, the price stated for pigs ready t
wean read $\$ 8$ a pair, which should b
$\$ 8$ apiece. $\$ 8$ apiece.
advertisem advertisement in this issue. The phigs
are bred from imported stock, and are of desirable type and quality.

 plainly written, on one gide of the paper onily,
and mast be acompaniled by the full name and
addreas of the the

 argen vetorinary or logal enquirles, $\$ 71.00$ mut to
be enelosed.

Miscellaneous.
INJURED TEAT
I have a valuable Jersey cow that got
one teat torn in wire fence some time ago, so that the milk runs out the side
of teat. Cut is healed up exceptt where the milk runs out. Is there any way
to heal it up so the milk won't leak

Ans.- Holes in teats are not always
easy to treat. mended through these columns some time ago the use of ordinary shoemaker's or
harnessmaker's wax. Warm the wax just enough that it is quite soft, press the hole full of this material and allow to
cool. The wax hardens, and eloses the open ing, and according to our corresponden
the cow may be milked without the cow may be milked without further
trouble. Care must be taken that the wax is not so hot as to taken that the
and the cow.
and also to and also to get it suffioiently warm and
pliable. This is a simple remedy and
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CTOBER 17, 1912
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course. Write for compete tircular. Canadian Correspondence
Dept. E. $\begin{gathered}\text { College, Limited } \\ \text { Canada. }\end{gathered}$
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 MEMTION "FARMER'S ADVOCATE."

THE SPICE OF LIFE Strong love George had been away on business for whole long week; and during that time cards, and forty-two picture sost-cards cards, and forty-two picture post-cards.
Why, then, was there a touch of coldness in her greeting when he flew to her arms on his return?
matter ? "Oh, George, send a kiss in your ninth '"you didn' "My precious," he replied, "that
I had steak I had steak and onions for dinner, and
you wouldn't you wouldn't have liked a kiss, after
onions, would you?", onions, would you ?"
And such is the love, she was satisfied and nestled to
him.

Telephone A BOX FOR their mistakes if sometimes glory in in in a forke in con-
sequence. The story is a jor sequence. The story is told by a tele
phone operator in one of the Boste
changes Changes about a man who asked her for
the number of a local thent He got the wrong number, and
asking "Can I get a box for talking, he said
A startled voice two to-night other end of the line: "We don't have
boxes for two." "Were him at the
""sen "sn't this the - theater ?" he
called crossly," was the answer, "this
"Why, no," wndertakin an undertaking shop.".
He cancelled his order for a "box for
two ," THE HARVESTT.'
'"'The kirk wiz awfu' thin the dar
 the kirk, or ah could ha' niver miss
bed fine, so ah could." "'Are ye by wi' yer cuttin'? isht the mot. We're ettlin' tae hae feen-
laigh park laigh park. A' lyin' every airt."
"Ah h'ard 'a Staneyety wi' the binder. But it lea'se owre
muckle strae on the
 an' mebbe the binder can man't. W'y, It
tak's three horse, ye ken, but
they'Il hae nae bother
and they'll hae nae bother wi', lifters,", than,
'Ay, an' the lifters is that fashious,
Five shillin' Five shillin' a day an' thir meat. An'
no, workin' owre sair at that.
three days an' some "Twa-three hoome o' them's awa'."
oor beans yesterday lang eneuch oor beans yesterday. Ae man tied three
shaifs, an' than said it was
wark shaifs, an' than said it was owre sair
wark, an' gaed awa'."
'Ay, but the beans year. It's lang beans is awfu' heavy the
a back hae had tootin' an' tyin' hae has sair
'"t "Is y lootin' an' tyin' thae browin" agayne?" beans."
"Ay ! growin' hoor't. They're no' sae weel flll't an amang them than better when ye're in
ame bee "'Ye'll be innin' the thocht.'."
"Ay ! yon heigh morn ?"
mair nor twe
sta mair nor twa weeks, park has been cu
stack or twa up up the morn." man hae a
"Oor teemoth then "Oor teemothy's tae in an' thrash yet
Ah think we'll hiv tae
corn con-if the wather'll haud."'
"Weel, it sore the
sicould haud wi, Arran a last nicht, an' a great doon owre
wizaid mun ye, but ither at's chinge, ah'll no' tel
Scottish Farmer. TRADE TOPIC Ltd., of Toronato, Correspondence College
tisement appears in another whose adverissued a general calendar containing full
information regarding ceaching, giving the advantages of the
course which may be studica
dare any time, covering all subjects, ande at
riving ample opportunity for
rion
ion course covers agriculcure, as well as
dustrial dustrial arts, and an academic depart-
ment. Write for the calendar and full
information.

## HAPPY THOUGHT



## Do You Want Real Stove

## Satisfaction?

Do you want a stove that will bake, broil, fry and do every cooking operation equally well?

Do you want a stove that will give you the last unit of heat value from every ounce of fuel-right where you want it, at the lid openings or in the oven-a stove that will pay you dollars every month by the fuel saving it effects.

If you do, the HAPPY THOUGHT is the stove you will eventually choose.

Do not be deceived by the so-called "special features" of other stoves. Every detail of HAPPY THOUGHT construction represents that last word in stove making. If anything better could be devised, it would be already incorporated in the HAPPY THOUGHT.
The HAPPY THOUGHT has no special "selling" points. Its record of success for twenty-five years proves its all-round value as the most serviceable stove that you can buy HAPPY THOUGHT RANGES
Are sold in your locality. Ask your hardwareman
THE WILLIAM BUCK STOVE CO., LIMITED, BRANTFORD, ONT.


Hunters and Trappers

6Save your fine
Specimens! Every Specimens! Every
trophy you kill is trophy you kill is
worth money to vou.
 Mount Bircis home, how to also heads, fish, and to tan hides - Vere reto, robes, etc.
in ens, you can learn easily-quickly-perfectly,
 Big proats to al who know taxidermy, Wrtto today.
Special for CanadianStudents

 5037 thwoed Bund school or taxioinewr The Doaf Gan HEAR dibtinctly every sound-even
whispers io not escape them
when they are property


 Among the 390,000 people who necaseary been to hestored
on pertect hearing there has been every condition of deafness or defective hearing. No matter what
the emase or how ling tanding the casesthe teti-
monials sent me show marvelous results.
Tommon-Sense Ear Drums have restored to me my own hearing-that's
how Ihappened to discover the secret of their
success in $m y$ own desperate endeavors. success in my own desperate enderavors tho be be
relieved of m
repeatedy failed. Common-ienene. Ear Drums are made of
a boft sensitized material, comfortable and
safe to wear. a eoft, sensitized material, comfortable and
sufe to arear They are out of sight when
worn, and easily


 to all stations Chalk River to Schrieiber in $\begin{gathered}\text { alusive and thate } \\ \text { Quebec and New } \\ \text { Nrunting points. in }\end{gathered}$ Oct. 17th to Nov. 9th o all stations Sudbury to the Soo, Havelock to
Sharbot L Lake. Cold water to Sudbury, and
ond Return Limit December 12th, 1912 Aak for free copies of "Sportsman's Map" and
"Open Seasons for Game and Fish."

STUMP EXTRACTOR
If ycu are troubled with stumps, give
our ''Patent Samson Stump tor'' a trial. It has now been in use in Europe for the past three years with the greatest success. By its assistance, men and a horse. It can also be used for felling trees.

The Canadian Boving Co., Ltd. 164 Bay Street, TORONTO
Maplewood Oxfords


## CANADIAN PACIFIC SINGLE FARE For Hunters

 Oct. 7th to Nov. 9thQUESTIONS AND ANSWERS Miscellaneous

WANTS TO STUDY POULTRy Where can I learn the poultry busi| about Guelph you give a few particulars |
| :--- |
| College? |
| When is the | -best time to attend, and what would be

the cost $)$ Ahs,-After reading all you can on the
subject from bulletins, farm iournals and practical treatises, get a small flock
and care for them yourself. no better method of learning here is than to engage therein., After becoming
accusto accustomed to caring for the poultry, a
course at the Onta lege will be found helptul. four-years' course for the B. S. A. de gree commences each year in September,
and continues to the middle of April. diplomars Sol this course leads to a
given given, and poultry is included in these
Write Guelph, for college calendar PASTURING AND FEEDING PIGS
 vocuted pasturinture." in it was ad ad
rye, in anpe, clover paddocks respectively. How, How pass and oats,
allow to the acre? many pigs do yo
and 2. Could any of the proprietary call
foods be used in place of milk young pigs just after weaning ? for the Ans. -1 . The number of pigs which may be pastured on an acre divided into
puad ocks,
the pivens dends largely on the size of crops depend on the crops grown. To
seans donditions and the season. Then, again, it any concentrate
feeding is practiced, tess forage is need-
The ed. The are, divided ind inage is ne ned
docks of one - quirter acre pastured in turn, would leave only one-
quarter acre quarter acre in use at ice. From ten
to twelve good-sized shonts
bo be found enough in this. It is is ikely
ble ble to state definitely. You can only be
governed grazed off, movina they keep the feed
dock dock to another as them from one pad-
2. If these were
to place to young pigs, were any particular benenit
surely make it at stronucturers would
suter advertising.
HEAL

## HEAL-ALL-ENSILING



Pump Water, Saw Wood, Grind Grain, Churn and do many other laborsawing tasks with the Barrie Englme. Will pay for itself quickly by saving valuable ruger you. Strong, $\underset{\text { simple a contruction. }}{\text { unged }}$ Sure in action. Economical Sure in action. Economical
in operation. Every farmer needs one. Morning, Evening, Noon or Night, 'Camp's' the Coffee that puts you right 'Camp'
takes half-a-minute to make-could not be better if it took hallf-an-hour
No messy 'stewing' coffee pots, no straining, no waste
of any kind, no risk of failof any kind, no risk of fail-
ure - a chtld can make ure - a chtld can make
'Camp' as well as a chef.

Try ‘Camp’ to-day. Your Grocer sells it


-

## FARMERS

Sugar Beet Meal
cattele fod on suGAR BEE best dairies, it has been proven that
less cost than those fed on other meal gave more milk and at a less cost than those fed on other meals. $\begin{gathered}\text { profits. }\end{gathered}$

It is recommended by the best known dairymen.
This meal is ready for shipment now. As our supply is always
exhausted early in the year, ask for prices and particulars at
DOMINION SUGAR CO., LIMITED wallaceburg, ontario
october 17, 1912

and the extended sale of his goods was
owing rather more to the e tuality he into them than to any forceful selling
system. For many years the has been steadily increasing, while advertising whatever has been done road. Any farmer who has used the aisy churn, or the Dho has used Wortnan \& Ward pumps, is aware of the quality of the goods. The
rm of Beatty Bros. who have purchosed he business is well known to ever one of the most progressive manufact ing firms in Canada. They fully apmanufacturing for the wonderf has rowing market of this country worfuly haps no other firm in Canada, making
arm tools, has grown as rapidly in re cent years. The BT. Hay Tools, BT,
Litter-carrier, and BT. Sanitary Stalls, are the standard for this country Stalls, manufacturing this line of barn-equipmen, and have branches one hundred Montreal, Brandon, and Vancouver. is their intention to continue to manuConde the Wortman \& Ward lines in the to keep up the high it will be their aim which Wortman \& Ward Co. has alway been noted for. The head office of the company will be at Fergus, Ont.

## GOSSIP

Oxford Down sheep, shearling and ram champion ram of the breed at Toronto

## 0

 Stevenson, Maplewood Stock Farm, At described as all good, typical They axfords, and will be sold at reasonable prices popularity, both in Britain and America as profitable stock, strong in constitution, and large producers of both mutton The Ayrshire bull calves advertised $\ell$ sale by Alex. Hume \& Co., Menie, Unt.were born in July, 1912 and not as stated in last week's issue. Owing calves this year, they are offered male sacrificing prices, and the present is a
favorable time to buy calves are well fed, they will be fit for service by June 1st, 1913. They ar dauns having all qualified for Record and Performance, and all are sired by the 1911 and champion bull at London both The following letter, with no signature attached, was received by a countr
editor recently. "Mister etitor-i want to noe why hit ality in your little ole paper. Me anc ty folks have bin visitin half dusin time it. You run after the big bugs and
$\qquad$

IHE FARMER'S ADVOCATE.


Fairbanks Scales for Accurate Weighing
 APeffer
 still weighing with accuracy.
The Canadian Fairbanks-Morse Co..Limited.


Caldwell's Molasses Meal helps to make another Champion


Hereford Heifer first in Toronto as a calf in 1911, second at Toronto as yearling, 1912. First prize and Ottawa. Property of W. H. Hunter
fitted on Caldwell's Molasses Meal.

The systematic use of
CALDWELL'S MOLASSES MEAL
means prime conditioned stock at less cost than your present feeding.

Get that fact, Caldwell's Molasses Meal does not add to your feeding costs. It's a distinct economy. Use it according to directions. Your horses will look better, work better and live longer. Cows will keep up in flesh and give more milk. Sheep will thrive, lambs come earlier to maturity, and your hogs show you an increased profit
The Caldwell Feed Co.,Ltd.
DUNDAS - ONTARIO
N.B.-You can buy Cald well's Molasses Meal either direct from the Factory or from your Feed Store. Clip out coupon-mail to us, and we will send you full particulars.

Post Off

Root Cultupe.
condition, and thinals
crease with the prowtuction of thesh in-
keepers and hog-raised cost. Poultry- find that when

For Your Wife's Sake Get an Easy $=$ Rumning, Easily $=$ Cleaned Separator



 on to describe how large yields may be
secured in every Province of the bo
minion, and then tellis how to soces succesfully harvest and store the crop. This
paper, which is issued in pamphlet form
for free distrister for free distribution in pamphlet form
fions Prablica-
tion Branch of the Department of Agriculture, Ottawa, concludes by saging
that the greatest success in growing
roots will be obtained that the greatest success in growing
roots will be obtained when the follow-
ing are observed: A systematic rota-
tion of crops; roots .o tollow tion of crops; roots to so follomatic a rota- fresh
clover sod, manure once in the rotation;
thorough cultivare thorough cultivation in preparation for
the crop, and after the roots are sown.
hills no drawback
Virginia race meenting, a on a Wester in The
Horse World struck a humorous vein: Horse World struck a humorter in the the
"Yaas, it's a trifle rough down heah
in Wes' Virginny," said an old resident in Wes' Virginny," said an old resident
to me the other day when II observed
that it the wrinless were ironed out of
this State I'd like it bettery
the this state I'd link like it bere ironed out of of of out it's
allus been that - $a$ a away. Reckon the
allord
Lord knowed best. Anyway, he sut the
for us; didn't have haom to to stay lay it it up
flown
flat. And I tell ye, Colonel, it's a rest-
fur country to look at, and in othe fur country to look ato, and in other
ways. Any time one oo us gets a other
weary, wite weary, we uns jest take a little a nip and
go out in the back yard and ent go out in the back yard and lean up
against, our doggoned old jaam an' take
a rest.," In many of the mountain towns I assed through between here and Wheel-
ag, I noticed that all vehicles, no matore how light, had brakics attes, no mathed tc lance at the roads no exceptions, and a
hills explained why wound off int the hills explained why they were in use
Doctor Mortimer Price, a well-known veterinarian of Flemingsburg, Ky,, and
a native of this State a native of this State, is here attending
the races. "Doc," as everyone call
him, him, was raised near everyone call
tellis me that it wasurg, and no uncommon thing
in his section of the in his section of the State to see the
pigs that fed in the forests on top
some of the moult some of the mountains, coming on top
their pens at dusk
stuck in their ears, and their hind to
goring their to for lrakes. Docrs, and using thind their hock explain ho
they got up on the met
An old neightor that when Doc was the family tells m
years ngo-his futs
yay years ago-his father a bave-only a him a plo
of meadow-land to look after on

 rond was frowno and covered with
ight fall of sinow. Mortie took hi
"mewels" to hiss mundow mewels" to his mendow-plot on th
nountains, and, hitching them to th
nop of the pole, pulled the stack of ha
her


.
 Ytandary his wife will not require the services of a strong.
husky man.
The makers of the STANDARD The makers of the STANDARD have built
a separator that any woman can easily turn.
A strong arm and a strong back a separator that any woman can easily turn.
A strong arm and a strong back are not neces-
sary to make the STANDARD go. A little sary to make the STANDARD go. A
energy goes a long way with this machine. The low supply can of the STANDARD
also makes it essentially a woman's separer also makes it essentially a woman's separator.
If given her choice, no woman would pour a pail of mill into a supply can at least
one foot higher than the one foot higher than the STANDARD'S.
Your wife will prefer this
 Your wife will prefer this machine, too, on
account of its sanitary features. Milk from
any source cannot reach the neck-bearing The gearing, too, is enclosed, and is therefore dustproof. The discs can be cleaned in a minute's
The Renfrew Machinery Company, Limite Head Office and Works: RENFREW, ONT.

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Just Arrived-Clydesdale Stallions and Fillies
and better than ever before is our 1912 importation just




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$\overline{O R}$ SBE GRA BARBER BROS. Gathreau Pt.Oue... near ottawa My nal imporation, which will be stock FARM, Ormstown, P. Que







Clydesdales and Percherons
Wats $\mathrm{SN}_{\mathrm{N}, \mathrm{Mg}}^{\mathrm{m}}$

A Few Choice Clyde Fillles -1 am offerin SON, BOLTON, ONTARIO



HARRY SMITH; Hay P.O., Ont. Exeter Sta L.-D 'Phome.
CLYDESDALES OF CANDA'S STANDARD.

Shire Stallions and Mare Ger S.N. R. L. D. ponone fom ether
sexes); also Hampshire Swine. Prices reasonableth
PORTER BRos., APPLEBY, ONT., Burlington Station. Phobe.
Stallions - CLYDESDALLES - Fillies
ROBT. BETTH, Bowman ville want.


> DR. PAGE'S ENGLISH SPAVIN CURE
 and
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Seldom.See
 ABSOREINE


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 00. Canadian agenta W.

Good-Bye to Hand Milking

SHARPLES
Mechanical Milker


"The Teat Cup WIth the Upward Squeeze" ${ }^{\text {O Sharples patent that }}$ removes the last posibl

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GERALD POWELL
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Nosent Le Rotrou. France will meet importers at any port in France or Bel.
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Eren
 ping, banking, and pdigrees. Many y yasrau eperip--
ence; best references.
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Messrs. Hickman \& Scruby COURT Lodge, egerton, kent, eng.
Live Stock of all Descriptions
 place before them the most attractive proposition
they have yee experiecod. We tan send higheost
references from satisfed buyers of nearly all breeds.

Aberdeen-Angus - A fow bulle to sell yet noo them before buying. Drumbo Station. Walter Hall, Washington, Ont.
 needy."
"'Thankee, mum, thankee, but couldn't you make it a quarter and enjoy your-
self thoroughly, mum ?" Had Indigestion, Sour Stomach and

## Severe Headaches

for over a year

Mr. W. Moore, 132 Lisgar St., Toronto, Ont., writes:-"After having been
troubled with indigestion, sour stomach, and severe headaches for over a year, I was induced to try Milburn's Laxa-Liver Pills. One vial greatly benefitted my case, and three vials completely cured me. I can heartily recommend them to any one suffering from stomach or liver
trouble." trouble."
Milburn's Laxa-Liver Pills stimulate the sluggish liver, clean the coated
tongue, and remove all waste and poisontongue, and remove all waste
ous matter from the system.
Price, 25 cents per vial, or 5 vials for
$\$ 1.00$, at all dealers, or mailed direct on receipt of price by The T. Milburry Co., Limited, Toronto, Ont.

QUESTIONS AND ANSWERS Miscellaneous.

## HAIRY VETCH

 frow the second year? Ans.-YesTHREE-HORSE LINES. 26 noticed in your issue of September Would you kindly put in your issue next week, a cut of the lines for Ans.-Cuts of lines adjusted for B. E. either three or,four horses abreast, ap peared in "The Farmer's Advocate" April 18th, 1912

THIN HORSE. wise. Would oil be good for him? Ans.-Make sure whether his (e. B. require dressing. If this is needed, have then improve, at once. If he does no phate of iron, gentian, ginger, nu vomica, and bicarbonate of soda; mix and make into 48 powders. Give him
a purgative of 8 drams. a purgative of 8 drams aloes and
drams ginger. Feed bran only until
purgation commences purgation commences. After the bowels
regain their normal condition, give him a powder every night and morning.

## Veterinary.

mamimitis

1. Cow's teats swelled and the udder
hardened, and she gave stringy, bloody milk. Now she is almost dry, and has
lost flesh. 2. One quarter of another cow's udder is acting the same way. H. S. E. Ans.-1. This was inflammation of the
udder. All that can be done now is udder. All that can be done now is
massage the udder frequently, milk three times daily, and feed well. It is possible she will go dry, and be of no use until after next calving.
2. Purge her with $1 \ddagger$ lbs. Epsom salts 2. Purge her with $1 \frac{1}{\mathrm{t}}$ lbs. Epsom salts
and 1 ounce ginger. Apply hot poul-
tices tices to the udder. Milk four times
daily, and after milking, rub the udder well with camphorated oil before applySTCK

SICK EWE.
rapidly. Her appetite is fairly failing but she goes around with her head down and one ear flopping. I have lost two
with similar symptoms since last fall I think the trouble is grub in the head She chews her cud, and then quids it,
and it has an offensive Ans. - We are of the opinion that this
is not grub in the head, which is not grub in the head, which causes a
cough and nasal discharge. Further-
and toms of this disease to appear. The
to symptoms indicate some brain trouble,
It may be a growth upon the brain, or the pressure of the hydatid or larv
orm of tapeworm. In either case, not ing can be done. If you lose any more
sheep, it would be wise to get a veteri-
nari, order to determine definitely what causes order to de
the trouble.

TRADE TOPIC. EDUCATION IN DAIRYING.-This is
the last call to visit the National Dairy Show at Chicago, October 24 th to No
vember 2nd next, which will give every not be excelled anywhere in the world industry will be be presench of opportunities
to view the best representatives American soil of the leading dairy cat-
tle, and meet the men who are devoting their lives to the advancement of the tairy industry, are here afforded. Every
thing will be shown in a big, broad
educational way educational way that all may be en-
abled to keep abreast of the most modren methods and appliances, and the best
results in breeding and feeding dairy cat-


## The Gurney-Oxford Enthusiast

The housewife who owns a Gurney-Oxford-who has daily experience with it-who knows the way it works-the economy and efficiency of it-is a Gurney-Oxford Enthusiast.

The Gurney-Oxford Range is the sum total of 70 years experience in stove construction. It is a big, up-standing, handsome stove, that works constantly and unfailingly for its owner's satisfaction. It stands guard over her interests, conserving her time and energy, effecting a daily saving in coal, adding to the household economy and increasing the pleasure which comes from a smooth-running and well-ordered household.

That's why she enthusiastically recommends the Gurney-Oxford whenever the question comes up.

She wants her friends to learn, what she knows to be a fact, that a Gurney-Oxford Range is a good housewife's most valuable and cherished possession.

## The Gurney Foundry Co. Limited

 TORONTO - CANADAmontreal hamilton winnipeg calgary vancouver
SALEM SHORTHORNS
 Scotch Shorthorns

 GEO. GIER \& SON, Grand Valley, Ont., P.O.
Orchard--Grove Herefords I have lately made a Mg importation of
 of most buildings with corrugated iron roofing or siding are exceptionally valuable tories, barns, warehouses, elevators, etc. .. Only the best is good enough for such structures-Metallic Roofing Co.'s Corrugated Iron . . . . Absolutely free from defects -made from very finest sheets. . Each sheet is accurately squared, and the corrugations pressed one at a time-not rolled-giving an exact fit without waste. . Any desired size or gauge-galvanized or painted-straight or curved. Send us your specifications, N.B.-Insure the safety of your grain. A Metalic Portablo Corruggted Gramary
protects against loss by lightning, fire and vermin -rats, mice, etc. Write us protects against loss by lightning, fire and vermin-rats, mice, etct. Write custo-day
for information. Also ask us to mail you our new illustrated catalogue, No. 70 . manufacturers



Lump Rock Salt, $\$ 10.00$ tor ton lots. f.a,b. Torme
 WILLOW BANK STOCK PARM Bhorthorns and Leicestere

$\qquad$

"The Manor" Scotct Shorthorns


J. T. GIBSON, DENFIELD, ONTARIO 1854 Maple Lodge Stock Farm 1912 Gave oome SHORTHORN HEIFERS two years
old from cown giving 50 pounde mill per day, and old from cown giving so poundo mille per day years and
in calf to my stock bull, Sonator Lavender. Grand young LECEESTERS trom imp. Wooler of A. W. SMITH, MAPLE LODGE, ONTARIO OAKLAND 50 SHORTHORNS Herd header for sale, Scotch Grey $=72092=$ still
in hiis prime a
straight limed, beautiful roan and a grand handler.
 JOHN ELDER \& SON, HENSALL, ONTARIO SPRING VALLEY SHORTHORNS Herd headed by the two imported bulls, Newton
Ringloader, $=73883=$ and Soottioh Pride $=36106=$. The femalese are of and the bettioh Protide $=36106=$.
Young stock of boot texes to Young stock of both sexes tor sale at reasonable
rpices. Telephooe coonection. KYLE BROS. - - Ayr, Ontario Fletcher's Shorthorns $\begin{gathered}\text { Our berd of } \\ \text { Pure Scotch }\end{gathered}$

 Shorthorns for Sale-Threestrong-bon large cows with calvesils of of serviceable age, two STEWART M. GRAHAM. Port Perry,Ont.
Shorthorns and Swine 1 m now offering

 | showyard material |
| :---: |
| ISRAEL GROFF, EImira, Ont. |


of an insurance company for
nger said, "I am am truly policy. Thery, mane
 hen a poor woman gets a chance to

QUESTIONS AND ANSWERS. Miscellaneous.

LEAKY TEAT.
Can anything be done to prevent
cow from leaking milk out of one teat
It II not, would it it milk out of one teat
teat, and how ther in that Ans.-Difirent practices are recom-
mended, but do not prove ant mended, but do not prove sat isfactory in
ail instances.
teat anter teat after milking with a drop of collo-
dion, dion, a five-cent bottle of which may be
obtained at any drug store, has been foained at any drug store, has been
found successflul in some cases. $\begin{gathered}\text { The } \\ \text { collodion is supposed to form a scale }\end{gathered}$ which may be easily picked off at milk-
ing-time. We tried ing-time. We tried it, however, on a
cow last winter without any success.
The only way we could stop the leak
was by vealing calves on her. Would
was. was by vealing calves on
not try drying one quarter.

FLEAS-POTATO ROT.
get rid of fleas on a dog? I have tried everything, but did no good. oo preventing potatoes from rotting after they are dug, or is it too early to put
them in the cellar? Ans.-1. If you have already tried every
use of asking us for a a successful method?
una Have you tried shooting the dog?
2. If you have only perhaps the hest plan would be to sotatoes, them out thinly on a floor, or benches
or racks. With or racks. With a a flaor, ort benches
course would be improratitity this
best. best plan then would be to pile in the
field in lichtly Ield in lightly-protected to pile in the
weather necessitates storing in until lar. Then pick over carefully an
throw out all affected Those infected with the with the rot and rot will surely go in spite of every

CARPENTRY
frot whe there any books that with carpentry wo work
if so, at what price, and where can on
get them?

many years has one to serve
the the wakes for the first
difticult to obtuin a situation


nok catle the Carpentwers' and Joiners'
ec cum nes in is ont of print. Ther
2. A.m. innelh, then the more the better

In the fomb thre to four years.
4. It the


## EHORTAHORNE

Have now a choice lot of young bulls to offer; also with
something nice in heifers. Catalogue of herd and omething nice in heifers. Catalogue of herd and
list of young animals on application. H. CARGILL \& SON Pemeterint

1 Have SHORTHORM Bulls and Heifers, SHROPSHIRE and COTSWOLD Rams and Ewes, CLYDESDALE Fillies and Colis
 ering ub oup piriout ROBERT MILLER, STOUFFVILLE, ONTARIO
 Burrlugton Jct. sta, G. T. r. W. G. PETTII \& sons, Freeman, ont.
1861 Irvine-SIde Shorthorns 1912
 John Watt $\delta$ son, salem P. .o. Ont. Elora Statlon, G. T. and C. PR
 Jerseys B. H. BULL \& SON, Brampton, Ont.

 Stockwood Ayrshires

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leading exhibitions. Some choice young bulls for sale as well as cows
and hel
and heiters.
HECTOR GORDON, Howick, Quebec.
october 17, 1912
QUESTIONS AND ANSWERS Miscellianeous.
sowing feitilizer-oil CAKI






 Kindly advio IN PARRY SOUND.



 sow with it? Hhat wowld you advise to to thould it be treated
titer nurse crop is cut, and



 clean. Then worked, rich, and sow perfectly 20 pounds ian-grown or European alfalfa seed to
the acre, harrow or disk in of the Canadits. If you can vet, some some
which Prof. Zavitz, of ated allalla seet cultural College, has been exploitiong, try
that. It is very hardy: so alfalfa, originated in Minnesota.
sow a nurse crop. at all, be sure to do so ecessary to clip
that a big top of twelve inches enough in length, may be produced before win

GROUND HOGS.
ground hogs. Would you kindly with Ans.-Poisoning, by placing W. J. P. rows cloths dipped in carbon bisulphide
an inflammatle, poisonous ligatil
which volatilizes res. Vapor which is heavier than torming
vence sinks air, an fow, killing the the bottom of the bur in these columns, and is effectiven ofterns. recommended gists, at about purchased at any drugis quite in large quantities-and an ounce
Spot for one hole or nest spot out the holes which you know to with bottle and then, about sundown, doctor each ony kind, go the round and
Roll up a little piece hot too tight, and size of a hen's egg hole as far hold. Then reach down the with sods or loose earth, and tramp
solid, being careful not to allow the earth to roll down and cover up the
rag, else this might stop the volatiliza-
tion of the ligwis. Which surfocates the animal. Tha This gas
is heavier than air, so penetrates to the bottorn of the hole and kills all living
himes. Covering the hole is probably thancessary, as the gas, being heavier
$\qquad$ a. the has been despatchen. A good

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olds, 21 lbs. for 2 -year-olds. Our stock bulls are Prince Hengerveld Pietje and King Pontiac Artis Canada, carrying the richest blood
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FARMEN FARM'RERD OFFERS sons of Pontiac Korndyke daughters that have 7 day records the only bull that ever sired 12 next bull to be a brother to such cows as Pontiac Lady Korndyke (38. n2) Pontiad and eight others above 30 pounds? If you do write Ve forndyke (36.20) Colantha Gladi. E. H. DOLLAR, HEUVELTONPle Korndyke and Sir Johanna

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 own election. In Yorkshires we have a large number of yor sale, Come and make your
breed. of the Minnie ans Bloom tribes. No fancy prices. Wed. of the Minnie and Bloom tribes. No fancy prices astee
W. Wirson \& Sons. R. R. No I. St. Thomas, Ont
Silver Greek Holsteins



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A. C. hallman, Brealau, Ont., Waterloo Co
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F. Lo Houghton, Sec, Box 127, Batteboro, Ve, Holsteins of Quality
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Heary Arkell s. Son, Arkell, Ontario.
Southdown Sheep


 Robt. MeEV WFN. Allowy Loud stock Farm Cattle and Sheop Labole


Oxford Downs-Choice rep. ram and
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containing but one word : "Tandem."

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 Hand cleaners
by any other name do not
smell as sweet. A void ran
imitations, an
remer SNAP
gossip.
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land auction sal
land

 Sledmere stud of Sir Tatton Sykees, sol the same week at Doncaster, tor a,
average of sil, 300. Verage or 51, soo. And in the sam
Week Majior Wise obtained the price of 5.000 kuineas ( 825000 the bes colt, by Desmond, out of Sister for his Ladas. It is stated by the sterinee, by thans. It it stated by the sportsman Sisterike and her oolt, and in toul
again, privately, tor
goo again, privately tor 1, ooo guineas the the
lot

Hot then decined the purchase and | has now $\begin{array}{l}\text { given } \\ \text { the colt alione. }\end{array}$ |
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$£ 3,000$ Prince particularly well-bred horse, having in his pedigree five numbered dams, and
carrying the blood of the famous sirge,
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of the ton in weignt, and immensely of the ton in. weitht, and immensely
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Ho is an ideal Coll He is an ideal Canadian horse, and his
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privilege of using so good a privilege of using so good a horse, and
the breeders of that part of Grey County the breeders of that part of Grey County
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Oown
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measured theit standard with the entries from this re
nowned flock.
Decorating the the
 as Toronto, London, Ottawa, and the the
Gula of excellence necessary to win at those
of and
oventer events is the complexion, type, quality
covering covering, and condition of the Towe
Farm fock. The stock rams in servic
Core are: Hamtonian 266 (imp.), bred by J J
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England, and Aquams 77 (imp.), bred George, Adams Adams 77 (imp.), bred by
Berks, England \&ons, Farrington, Berks, England. The former is a tun
brother to the Royal champion o 1010 and woon frrt in inal champion of 1910,
Doged class at the
Dominion Exhibition at ottawa this year; the second won at ottawa this
same cocond prize in the same class at the same show. They are
an exceptionally choice pair, covered to
the ground, and each weith, hoo ground, and each weighs veryered noarly
400 ibs. The last-named is for sale
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Heng, well-barred liock of Barred $p$

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