## PAGES

MISSING

## $\Sigma_{10}$ Farmers Sdvocate <br> Persevere and Succeed. <br> and Home Mragazine

Tom XLII

EDITORIAL.

## The Awakened East.

$\qquad$ the Atlantic Provinces to the tern bounds of Ontario. Were we asked o say briefly, looking over the chronicles, written, or otherwise, of the old year, what this portion of our great Dominion, we should declare it to be that strong manifestation of the fact that it had come to realize itself and the national potency yet lying half dormant in its magnificent esources of land, forests, mines and watere to a
tario and these other Provinces have come to new consciousness, and already feel the stirrings of a new awakening life. For a generation they
have been ploding along, looking betimes to the West or to Un United States, all but unconscious that the Land of Promise was right here about and intelligent elfort. In the final analysis, all our people needed was the vision. . Just how the manifestation has come about, we need not pause to philosophize. The magnitude and importance
of our agticul and industrial enterprises have of our agticitlal and industrial enterprises hav
been steedily
peveloping, most notably during the
past quin
century. In our Christmas issue Mr. Blue tid the story of Canada's expansion a.s
graphicalls as it might be done in words and figures at still it is hard to become really seized of all that is meant by soil-power, forestpower. water-power and mine-power in the hand
of a strong, intelligent, selli-reliant people, and what they signify to the people for whom they should be conserved and developed. More than ever before, the people began to discern its meaning and purport in 1906, and in 1907 the vision will become still more vivid. Investigace befor the footlights, disclosing that we have a soun national conscience, but the other thing, though more subtle, was equally profound and more far reaching in its psychological effect, and resembling more than anythin
self-consciousness.

The Ontario Winter Fair for 1907 and After.
erting to the remarks made in our report of the late Fat-stock Show at Guelph, regarding
needed improvements, we desire to emphasize the necessity and importance of providing a more attractive prize-list for the class of stock this show is principally designed to encourage, namely, steers, wethers and barrows of the type and
quality called for by the markets. It may be necessary yet to offe prizes for young females in most of the classes in order to attract a sufficient number to make a respectable show, but the amount of the prizes for those classes need not shown will probably be only in good breeding condition, or such as have been fitted for the fa
fairs, and have, at little additional expense, be fairs, and have, at little additional expense, But the old-cow lass should certainly be cut out, as has herepatchy old matrons that have quit breeding and are only fourth-class butchers' stock, and should find no place in such a show. Let there be libertions, and let the number be increased by providing senior and junior subsections, so that younger animals may not be handicapped by having to compete with others nearly twice as on the list

## ONDON, ONTARIO, JANUARY 10, 1907

calls, for instance, for steers over one and under by calls, for instance, for steers over one andal thir-
two years, by which requirement an animal teen months old may have to compete with another twenty-three months old, with little chance of winning unless it be a prodigy of phenomena merit. By thus increasing the number of sec tions, and also the number of cash prizes to five or six in each section for male animals, and giving early notice through the press of the proposed bill of fare for the next show, the probability that an ample number of entries of the most a sirable class will be forthcoming in a year two and the object of the show mire se necessary. realized. The same principle might ee nessar. and is certaimly desin. ind is probab divisions of the show. An sther season will be that a dairy show dor the room now occupied rore tong be provid be, available for more stock or the butchers' class, and it will be wise to take or the butcers increase the number of entries of the better class. In order to make such a change most effective and successful, an early meeting of the directorate should be arranged for, and the prize-list published as soon as possible, so that intending exhibitors may know in good time what it is to be, and may commence early to prepare for the next show

What About the Manure Pile ? Last winter there was a useful discussion in
The Farmer's Advocate", on the care and application of winter manure, but spring work terminated the controversy prematurely. Enough was written to indicate a quite general favor of he plan of hauling the fres mande dirce tand the fields and spreading on corn or rort land, thus.ectonomb the thersuaded that the other hand the large quarth from winter-manured fields min the most soluble must contain a goodrly the urine. These incline to the oninion that it is better to keep the maare ined tramped and worked over by hogs, or, if it is taken to the field in winter at all, they would have it dumped in small piles, convenient for spreading in the spring. Others again, haul to the field and stack in large piles to be distributed early in the spring with a ma It is doubtrul whether any system of handling manure can be invented which will not involve considerable percentage of waste. That material loss of the most soluble constituents results from winter-broadcasting, few will deny, but it is questionable whether, on lever lana and in an ordinary season, the waste is any greater thay ould ensue from Termenting and leaching to evure well-protected barnyard. Certainly, the manur on the fields would not suffer neariy so much as and then applied to summer-fallow, where no good and then applied to summer-allow, where no goon ter application saves second handling, disposing of the manure in a slack season. It facilitates seeding, and puts the manure in condition fo early utilization by plants, especially when put on sod to be spring-plowed for corn. Last, but most convincing evidence, is the fact that many farmers who have put cement floors in their stables and adopted the system of winter-manur ing have greatly increased the productiveness of their farms in a very few years.
However, for hilly or for very light land, in districts where the precipitation is heavy, and especially where there is much freezing and thaw ing in spring, the manure spreader may soive the
problem of a more economical use of the stable
by-product. The advantages of the spreader are many. It The advantages on the sprecaer are distribution over $a$. very Jarge area of land each year. For top-dressing meeidows, or, perchance, fall wheat or spring grain, it is especial Vhatee able, economizing both time and manure the other horses and two men, one to drivies, can melle a to help load, choring between in a barnyard each day. The one disadvantage of the spreader is that it cannot be used in deep snow
Much good will fow from a reewed discussion
Much good will fow, rrom a The Farmer's Adyocate" will welcome short letters from subs ers detailing their experience with wintor mare tion of manure, and also with the use of mailure distributors.

## A Government Packing Plant?

Other Fair, In the Prof J. H. Grisdale, of Ottawa, was down for an address on the much-debated baconhog question, his subject being, "Mutual Interests of Hog-raisers and Pork-packers. He started out with the premise that the interests of hog-raisers and packers were identical, as regards class of hogs raised and uniformity of production throughout the year. What makes for the de velopment of our bacon trade, is for the ulimate advantage of both. The main trouble is that each party thinks the other is trying to get the betler of him. The speaker indulged in a at the packers' expense aiter creaiting the a sincere effort to export good hog products. He had been unable to find any good bacon on, the Ottawa market, from will that they were sending all the good contention in Taking up the specific bones of contention the heated argument in the lecture-room Discussbefore, he asked what had been garices, he could ing the seasonal not see that for the grievance lay with the proThe remedy for und a make a point of maintaining ducers, who alar supply of hogs, and not dumping more reglar when the packers had more than (or one half to , ducel in winter as in summer, and more proft realized as aneral thing
Another point that had been urged, with force as that inferior hogs should be discriminated against in buying. Here the producers of hacon hogs had and still have a case.. Without claiming that the bacon hog makes more expensive gains than the thiok-fat, nevertheless it is some what more difficult to produce always a uniformily. good lot of bacon hogs than to turn them off as they come. There is seldom a litter in which all are within ideal weights at the same time. It is to our interest, as a general class of producers, to cease marketing thin or overfat hogs; but it is to the packers' interest also, and they should devise some system of buying whereby the man who markets off-type or below-weight or over-weight hogs should be cut a fraction in price, or elst put a premium on those that are right. But the packers are always reaay wiln some plausible excuse for not discriminating. Either competition is so keen at the moment that they cannot afford to start it, or they are at the mercy of the local hog-buyer, or something else.
tending to the in inces be paying ecording to a suggestion that perhaps might be oloptedsome instion sur miel spect and classify the hogs that come into 'the packing plants, and send back a report to the
the Farmer's Advocate and Howe Magazine.
the leading agricultural journal in the
THE WILLIAM WELD CERMPANY (Limitred).
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THE WILLIAM WELD COME FARME
any (Limitred),
Lordon, Canada,
producer. The inspector could not fix prices but simply grades. Just how this would work any substantial benefit to the producer, Pro $G$ risdale did not attempt to show conclusiv. ly, but he thought it might prove
solution of the marketing problem.
The of the marketing problem
The standard of our bacon is advancing; we of ourt goods sells in the British market much as Danish But as we near the top in quality the struggle for the market becomes harder, and will be keener in the future than it has been in the past.
He believed that in most cases the packer gets a wider margin than necessary, and to that extent strangles his own business. Partly in con sequence, bacon production in Canada is almost
at a standstill. Could we get the packer to believe in the motto, "Small profits and quick re turns," it would redound to the advantage of all parties in the long run.
Mr. J. East, a Canadian who has lived stage by in West Australia. In that colony for a time had been at a loss to get their ores smelted and in the end the Government erected sinelters as the only solution of the problem. The smelting was faction of patrons. Why might not the Canadian rinciple? it was asked
Prof. Grisdale adroitly turned this socialistic
dea over to the consideration of the chairman Prof. C. C.James. Prof. Ja
radical to dispose of offhand.
certain advantages and certain disadvantages. At a future date some such action might consideration before thomg entered upon. askance at such a proposal! , would yet it is just pos sible that a single experimontal packing plan
un by the Government might iding the country with datat regarding the cos
of packing hogs that would be valuable in future discussions, of the hog-marketing question. present the packer knows our end of the business and has laudably attempted to help us arrive at end, and there we are. There are those who profess to know that pork-packers are not such chronic losers as they claim, any more than are cattle-buyers. But we cannot prove it very well. If we had data we might. The idea of a Government packing plant is radical, and should be entertained cautiously, but it may be worth more
than a passing thought. What say our readers? than a passing thought. What say our readers?

## Our Maritime Letter.

The official patronage of agriculture suffers under a sort of fatalism. The officials themselves never make mistakes; at least they never ac-
knowledge any. And hence it is that much of the energy which, well disposed, might serve the great farming interest. materially, is frittered away in defending weak systems or upholding the
action of those who have fastened them upon the action of those who have fastened them upon the legitimate expression of the Bourbon creed. ". L'Etat cest moi." There have Been little Bour bons all through the agricultural dynasties, Gen eral and Local: there are, unfortunately, still some of them over the ground. In this matter-of-fact age they are as much out of place as belted knights and caparisoned steeds. They are less to be endured. One could brook what those far-off times countenanced easily-there was little else to be done-but when it comes to deal with the medevial, in the present, it is quite another thing; and infinite as is the patience of the race, ent-day spirit cannot he been suffered, the pres-ent-day spirit cannot be gauged as anything but absol long as in cracy, long as it has had its sway, in affairs agri-mon-sense business treatment of whlic ar
The government of a country is only efficient, fectively registers the will of the people that make $i t$. We agitate for reforms, improvements, $r$
dresses, and easily carry the country
the Legislature passes the measures we demand eagerly enough, for the most part, but down go
those ordinances to the bureaux, and there they are held in abeyance for ever so long, if they are not strangled and utterly undone. We talk to the national leaders of the needs of agriculture, for example, from the public point of view ; they are all attention; we assemble in National Counportance, with their concurrence the resolal imwe are with their concurrence ; the resolutions, we are told, will speedily go into effect; but the
bureau places its unholy hand upon them, and many come out in an emasculated form, many take a form very different from that intended and many never see the light of day in any shape or form. The Minister may be even well enough intentioned; the bureaucrat can circumvent any minister when so minded. And ministers come ministers go, but he goes on forever. He is
clearly the evil spirit of departmental administration. It is hard to get at him; the very min-
ister he destroys is bound, it appears, to stand by him to death and aiter. When the official machinery of the Department of Agriculture was installed at Ottawa two-score
years ago, it was never dreamed that it was perrection, or anything like it: changes would he
required, all expected, as with the ordinary machinery, which has been improved out of recognition in that period. What was good
enough for 1867 is not good enough for 1907. And, whilst this Department was constituted in name at Confederation, it was
not till Sir John Carling's day twenty years later, that it was organized on its present basis and became of any great use to the country as since the Experimental Farms were inaugurated
and separate divisions opened in the Department they specially represent; but everything here befield resources of Change, and in the important abreast of the times in the ordinary channtep
to the new realms of extension ever opening before us. When barriers block the way wo mu occupy the sottish them over, and not merel classics, who water at the river's frink in the the water ran by so he might pass over dry-shod The evolution of agricultural work in Provinces, in anything worthy of the name, has if we except Ontario, been of yesterday . and with this same exception, it is only fundamentally done to-day. It is important, however, that this rudimentary structure be well poised. Anyone can see how essential, too, it is in the sircum stances that the Federal and Provincial pro grammes do not overlap; so that the large amounts of public money expended be not squan dered, but used for the development and fruition of plans essential to the great success of the com-
monwealth. And in monwealth. And in this work the harpy touch
of partisanship which has polluted so many of partisanship which has polluted so many good
objects should be scrupulously aroided Provinces this curse has constituted a in the pediment to otherwise beneficent endeavor
Farm here in to have a Federal Experimental long had a Provincial Edward Island. Wo have credit to us. It is to be closed forthwith, and there will be no shedding of tears. The Federal authority will now try its hand. There will be a station for experimentation in grains, roots and iruits, anyway; and the management will strive had an the mesthetic in farming. Dr. Saunders had an importunate call, in the disagroeable period of havigation we have just experienced, on the matter. He is quite decidel Government on the matter. He is quite decided that the new
Farm, to be of use to the people geherally, must. be located so as to permit all travellers by rail to see what is going on, and thus to learn from This station will help us, but it should or not lieve the local Government of its primary duty in this agricultural Province-to assist agriculture substantially.

## HORSES.

## Attention to Horses' Teeth.

not thriving well, although consumin that are able amount of food, and their owners areasoncondition powders, stock foods, etcend monoy in sult. The animals do not show symptoms of rillspirits or energy do not thrive, and have not the in the majority of cases, will be found in the mouth; either there is faulty dentition or there are irregularities of the teeth. The subjects do needed is intelligent attention to the teeth is unskillful or int attention," as in many cases harm than good. While it does not mecessarily nary dentist, it requires a man who tho veterithe necessary the anatomy of the mouth, and has whatever is wrong Few and skill to correct and the so-called ". veterinary dentist ". either. son who neither understands an unscrupulous per ment and conditions of the teeth nor the prope
manner of correcting foult deceiving the horse owner. Hence, we lhines by it is better for the owner to get a qualified man to horses that have reached the age There are few over (and often those of younger of age) that would
not be better if their teety were every year. The reputable veterinarian does not tell ali his patrons this, and look in the horse's Thuth and say that his teeth require attention horse owners are very apt to take it that way for himself or his who has much respect either rightly thinks that if his services are worth hav-
img, they are worth asking for. All the the average horse will thrive hetter on the same
food if his teeth are regularly dressed. quire many cases in which attention is There quired, and the professional man who, for the
sake of the fee, will dress a mouth that does not The first is, we trouble ravely found.
tikely to result from the heth appears, in many cases, between the ages
oi wo and four vears. At from two years and
hree months to three years of second molar teeth in each row (which first and vent ones. At are shed and replaced by perma

Jandary 10, 1907
THE FARMER'S ADVOCATE
to four years, the third molar in each row (also
a temporary one) is shed and replaced by a per-
manent one, and the sixth molar in each row
appears. It is not at all uncommon to observe
a colt between two and a half and three or be-
tween three and a half and four years old to be
come untrifty and have apparent dificulty ie
masticating. He does not appear sick, but be
comes durl and listless, and does not cat well
comes durl and listless, and does not eat well.
During the growth of the permment molars, which
are to occupy the space previously occupied by
the temporary ones, the fangs or roots of the
latter gradually disappear by absorption as the
new teeth grow In normal cases by the time
new teeth grow, In normal cases, by the time
the new tooth has reached the level of the gums
the fangs of the temporary ones have become so
absorbed that the crown drops off, but in many
cases, on account of incomplete absorption, this
eases, on account of incomplete absorption, this
does not occur, and the new tooth, continuing to
grow, forces the temporary one above the level of its fellows, and, as a consequence, mastication hecomes very difficult or practically impossible
and unless the animal be fed on food that re quires little mastication he will fail in flesh and energy Whe unt triftiness, without apparent -ause, is noticed in colts of these ages, the molars
should be carefully examined, and if any of the
should be caretuly examined, and in any of the
erowns are not shed they should be removed with erowns ar
$a$ forceps.
In older horses the trouble is usually the pres-
ence of sharp points on the outer edge of the
upper molars and the inner edge of the lower
ones. The lower jaw of the horse is narrower
than the upper jaw, hence the rows of molars are
than the upper jaw, hence the motion during masti-
closer together, and as the mol cation is lateral, it can readily be seen that the
molars in the upper rows will be worn from withmolars in the upper rows will be worn from with-
out inwards and upwards, leaving the outside of the teeth the longer, and the lower molars wards
be worn from within outwards and downwards, leaving the inner side of the teeth the longer. The
teeth are irregular in outline on each side hence teeth are irreguar in outine on each side, hence on account of the manner in which they are worn
there are numerous little shary point existing
on the sides of the teeth mentioned. These, in many cases, irritate the cheeks and tongue, and
the degree of inconvenience or inability to mastithe degree of inconvenience or inatility to masti-
eate properly will depend upon the size and direceate properiy will depend upon the size and direc-
tion of these points. nut in most cases the in-
terfere to some extent. ${ }^{\text {Treatment, of course }}$, terfere to some extent. Treatment, of course,
consists in removing with a rasp these points. In the performance of this acen and rasps of difierent shapes are required, and care must be taken to not remove too much tooth. Special care
should be observed to not rasp the bearing sur-
then rough or serrated in order to grind the food, and if made smooth by the rasp the horse will be in a worse condition than beiore.
In other cases, from various causes, one or
more of the molars become longer than their fellows, the opposing tooth or teeth being abnormal-
ly soft and wearing more quickly, or their roots decaying, and allowing the tooth to be forced fecaying, and ane socket, the long tooth or teeth
farter a who thile attain such length that they come
and in contact with the opposite gums and render
mastication impossible.
In such cases the long teeth must be shorn and rasped down to a level
with their fellows. A horse whose molars are in this condition will, of course, never again have a
good mouth, but after the teeth are shorn he will he able to masticate fairly well.
Decaying teeth are not uncommon in horses
This condition is usually indicated by a fetid discharge from the nostril or a fetid breath. In
some cases diffulty the diseased tooth, but when the disease has ad it must be extracted.
Wolf teeth (those small. supernumerary teeth
which appear in front of the first molars in the which appear in front of the first molars in the
upper rows) are generally supposed to have an upper rows are generaly supposed to have min-
injurious effect upon the eyes. This is a mose
taken iden they are large and in such a position that they erary and having no function, they should be ex
tracted
The somewhat knocking the crowns off should not be followed They should se drawn with a pair of forceps. We
repeat that sufficient attention is not given horses teeth, and that a dollar spent for having
them dressed is usually a qoord investment, while a bungling iob does more harm than good. $\underset{\text { "wHip.". }}{\text { a }}$

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Please find enclosed iny renewal subscription
for The Farmer's Advorate, for next year. I
fim well pleased with the paper. It ought to be in well pleased with he paper. It ought to be lee money well spent. The Christmas Numbe
flone is well worth $\$ 1.50$. With best wishes for A happy Christmas and a prosperous New fear
it remain.
JOHN A. MILLMAN.

Sable Island and Its Ponies.

## By Aubrey Fullerton.

-" They all have their peculiarities, just like
people. Some are intelligent and lovable, others are stupid and slow, and never train out of it." Thus writes a resident of Sable Island about the samewhat farnous Sable Island ponies. Orten these little ponies, drawing a little carriage at an easy trot, and sometimes making a very stylish there because Halifax is the nearest port to Sable Island, and shipments of ponies are frequently reThey afterward are sometimes sent to other parts of Canada, for the sable Island ponies are much valued, particuathe for young folks use
fact, too, that they cone from an obscure and very dangerous part of Canada, gives them a
special Sable Island bears the unenviable name of "the graveyard of the Allantic, with a dismal record
of 155 shipwrecks in the past hundred years. Yet it is only a sandbar, thrown up by the junction of two ocean currents. It lies about eighty-five miles from the nearest point on the Nova Scotia
coast or 150 niles south-east of Halifor
Crescoast, or 150 niles south-east of Halifax. Cres-
cent-shaped, and bending to the north, its whole centsth is twenty-three miles, with a maximum
len width of only a little more than one mile. Sands
hith
hen hlown by Atantic winds, sometimes reaching a
speed of sixty and eighty miles an hour, have speed of sixty and eighty miles an hour, have
brought the Island into being, and in some places the sand-hills are 110 feet above high water. The sand is ever drifiting. In a single night the tele-
phone posts are often buried entirelv out of sight, phone posts are often buried entirelv out of sight,
and the sand drifts with such a biting force that and the sand drifts with such a biting force that
it kills all but the hardiest trees and sends all

## ordas

wors of the winter
of the winter." it compensates for the But what of the ponies? Quite as much as the sandhills themselves, they are one of the animals left there over three hundred years agoprobably by Sebastian Cabot or the early Portuguese exploners-they number to-day about two guese exploners-they number Island, wild, in droves of from five to fifteen, each drove having its own special feeding and drinking places. Says my informant again:

The ponies are very hardy, and live out all winter without any shelter but the banks. They get thin by spring, but fatten quickly when the
grass comes. Those used by the stations are grass comes. Those used by the stations little stabled every night in winter, and so kept in good feed besides the hay, and are so kept lies long,
condition for work. The snow rarely lies and when the ground is bare the wild ones have plenty of hay, as the wild grass is thick and long, and in fall dries and lies over in bunches.
Island is nearly all covened with grass, and has Island is nearly all covened whe wild ponies are many fresh-water ponds. foot, as they are never harmed, but when chased to get them into the
pound to ship, they are like deer, and never give pound to ship, they are like deer, and never give up until forced right into the wiack, with occasionally a yellow one, black and white, or brown and white, patched.

They are only shipped from the Island when the superintendent considers the supply large of twenty or thirty and sends to Halifax. The difficulties encountered in catching them are frequently repeated when the time comes for landing and solling them. Some of them are particularly and solling them. Some of them are parting animal that refused to be
handled until very


Shetiond Mare and Fool. handled until very
h e roi ic measuree
were taken with were taken with
him; at the end of half an hour he
walked awaj a walked awas a
quietly as a well quietly as
trained farm horse
-conquertd. Usually, however, they soon learn to know shat is expected of them. An untrained pony sells at the auction rooms dent twenty del lars, but a pair of
well - matched well - matched ani-
mals, after train $\begin{array}{lll}\text { mals, aiter } & \text { train } \\ \text { ing, } h \text { a } & \text { been } \\ \text { valued at } & \$ 600 .\end{array}$ They average about 700
weight, pounds ind are
an hardier than the Shetland ponies. Plucky little creatures, toughened they have folt all
their lives, and well
animalkind hurrying to shelter. Yet the Island presently be shown. bare and desolate, as wil Here, on their little sandbar, live forty of our fellow Canadians, who are commissioned by the Dominion Government as a life-saving service. By
their efforts, Sable lsland has lost much of its dread to Atlantic sailors. There are two lighthouses, fog alarms, and a series of life-saving stations, and a wireless-telegraph equipment has recently been installed. Every day, and in thick mather with a keen look-out for wrecks'along the coast. It is the duty of the force to give every possible assistance in case of a wreck, and when a ship has been driven on the sands, which extend the crew ashore
The Island from Halifaxernment steamer goes to the Island from Halifax with supplies, and during the summer there are occasional vithe, except hemselves. Yet it is not so dreary a home as it might seem. The present superintendent has been stationed there for seventeen years, and his home, writes of it thus, in a recent letter which have already quoted : "In summer a lovelier spot could not be
found. Garden flowers and all kinds of vegetables grow most beautifully and luxuriantly. Strawvery large. Our visitors ad:nit that they have a superior flavor, too. Last season there was a crop of seventy barrels of cranberries, and some years blackberries are quite plentiful. In the fall
the Island is a poem of color, golden-rod and blue the Island is a poem of color, golden-rod and tue
asters gleaming everywhere in the green, shiny in keeping with the peculiar character of their Island home, are these ponies of the atlantic sandbar, and they are withal historic. An unbroken ine of descent for three centuries or more-no one they came from-in the face of adverse Nature, is a good Canadian record, even if it be to the credit
of a ragged, shaggy pony.

## Horse Notes.

wing colts enough grain to heee
Common scratches are simply the result of lack Sluggish horses are too often made so by the
Sulphur and sweet oil, mixed to a thim salve an excellent cure for scratches.
One of the first things a growing colt should A large and strong body and frame cannot,
in fact, be developed except by a bulky quantity of coarse food being consumed a bulky quantity It is by exercise and hard-work that horse are prepared for severe exercise, and not by high eeding, as some think
Different horses require different methods of dling; consequently the trainer must study each ndividual case on its merits.
No matter what the condition of any horse
on the farm, there is no excuse for abusing it by on the farm, there is no
stinting it in its rations
There is no such thins
out grain, and without care and vigilance, expect to get any that are worth raising. and exercising, and anything except fattening, as long as he has a time assigned him by na ture to grow
' You can better afford to starve your horses any other time than during the first year of their existence. A stunted colt seldom mal
developed horse.-[Live-stock Journal

Widen Sleigh-tracks Instead of Taxing Stallions.
Editor "o The Tarmer. A suocet
I have watched for some time, with a great
deal of interest, the various letters about a stallion license act. Being a farmer, and in a small way a horse-raiser, I feel like expressing my
views. One writer says he would favor such an views. One writer says he would favor such an
act, as there are far too many scrubs on the road. In our part of the country there are quite a number of stallions on the road, and I don't think there are many, if any, scrubs. The
farmers here have awakened to the fact that it farmers here have awakened to the breate a better class of horses, and are doing so. There are from one to three mares bred on the most of the farms here, and they are,
I think, all bred to pedigreed horses, some imI think, all bred to pedigreed horses, some imported and some Canadian-bred, and that in his part of the country there are men just as capable
of judging the good ones as the experts; so there of judging the good ones as the experts; so there
are here, and, if we are to go by the springare here, and, if we are to go by the spring-
show rings, with their expert judges, far more able to judge them. I think we farmers are better able to judge what suits our several needs in the way of horseflesh than the Government at
Toronto, of which far too small a number are Toronto, of which far too smal a number are
farmers. If a farmer feels it is to his best infarmers. If a farmer feels it is to his best inloss if he raises a horse that will only bring a small price, although I prefer the imported stal
lion myself. We are in the business for our lion myself. We are in the business for our-
melves, and if we don't make money out of it we are the losers, not the Government. A writer from Grey County says a good horse costs from
$\$ 1,500$ to $\$ 2,500$, and that a $\$ 10$ fee is too small. I think he is right in that, but I think he ha figured the expense of travelling and keeping the horse too high. In this section it would be done at an outside cost of $\$ 500$; but even so, under th heavy risk-too heavy-to have a fee of even $\$ 15$ ard if it was $\$ 20$ it would still be the farmer who would have to pay
Suppose that after a permit had been granted ho cover two years, when it was to be renerwed the clared unsound, he would not be worth more than $\$ 150$ to $\$ 200$; his owner would be a heavy loser hnless he had charged a foodly number of foals left. So, how such an act would benefit the horse-raising farmer, I fail to see.
To suit the home manufacturers, duties are
increased or decreased, as the case increased or decreased, as the case may be, and perhaps justly so ; but help the horse-raiser, I cannot see. It would be a great deal more in favor of a few men who import stallions I have seen home-raised geldings which, had they been kept for stallions, would have been
better individuals than a great many imported ones. I don't mean the horse with no particular breeding, but horses which have a lot of imported
blood in their veins, and perhaps only lack ond blood in their veins, and perhaps only lack one cross of being able to get a peतigree. A number
of the so-called scrubs are horses of that stamp.
and likely to throw as good stock as some of the and likely to th
imported imported
As to old and inferior mares heing hred, stal lion owners do not need to take them
not suit. And if there are a lot of poor colts raised, the man who raises the good ones will
find a more ready sale for them and a hetter price find a more ready sale for them and a hetter price
Let that teach the other fellow to breed hetter Let that
ones.
As ones. has been mentioned in one letter to yout
Asluable paper, if the Government would give us valuable paper, if the Government would give us
an act to have the sleighs four feet wide. so that
the fellow who raises the big horses could drive ane fellow who raises the hig horses could drive
them two abreast, it would do them a greate favor, and benefit a lot of fellows who prefer th. lighter horses, as well. The autos take posses
sion of the front roads in summer time, so sion of the front roads in summer time, so
think we should have the roadways of suficion
width in winter so we can drive our trams out t, show them, if


Proud of the Christmas Numle Mr. W. F. the names have you send the t ent Christmas number, as it is a very handsom edition. and we are all proud of

The Draft Horse and Pure-bred Mares.
W. Kennedy of the Iowa Agricultural Colege, discussing| the: above :question before Iowa State Farmer's Institute, said, in part
For several years the demand for good draft horses has been unusually good. Each succeeding year has been a trifle better than its predecessor, until at the present time high-class drafters are selling for higher prices than eve high prices for this class of animals. Are these such a thing to continue? Someone will say that large number of horses now being produced each year, but horse-buyers will tell you that it is next to impossible to find a carload of good draft horses of a salable age in any one locality in Iowa. In
Iowa there were 154,414 fewer horses in 1905 than in 1900. The time is not near at hand when good draft horses will have to go begging on market
other classes of live stock, the man who first other classess of the stock, the man who first sets out to produce exactly what the market wants, will reap the greatest degree of success.
A study of the market demands, as they pertain to the draft horse, reveals, the fact that weight is still as desirable as in past years; so that a draft horse, to sell well, must weigh from 1,600 pounds upwards, and be of the desired
draft type. That is, he should be massively draft type. That is, he should be massively
built, deep-bodied, short-coupled, heavily-muscled, short-legged, a good actor, and possess feet which are properly constructed and out of durable ma-
terial. Such a horse can be economically raised on any Iowa farm, and, owing to the strong demand for him, he finds a ready sale at a price much nearer his real market value than any other
class of horse that can be produced. lass of horse that can be produced.
Time will not permit of a detaile
Time will not permit of a detailed description
a typical, present-day draft horse. There are some points which are very essential, and these will be treated in detail. The conformation of the fore and hind limbs of a horse have a very
marked influence on his value in the market, because his utility is very largely determined by the construction of these. The first point to which I wish to draw your attention is the differences that exist in the nature of the material that
enters into the structure of these parts. We are accustomed to the use of the terms, flat bone and clean-limbed, and these are quite expressive in themselves, if we understand what they mean. A horse that is flat-limbed and also clean in limb is
much more durable in those parts than one that much more durable in those parts than one thag is round, coarse and "gummy "
the freer play which they have as a result of this conformation.
In breeding draft horses, too much attention In breeding draft horses, to mention of weight. At all of the leading draft-horse markets horseflesh sells at the rate of 25 cents per pound for each
1,600 to 1,800 pounds additional pound from 1,600
for 50 cents per pound from 1,800 to 2,000 for 50 cents $\$ 1.00$ a pound from 2,000 to 2,200 pounds; and from $\$ 2.50$ per pound from 2,206 pounds upwards, providing, of course, that the horse is sound, well made, and desirable in every
other respect. Thus, the heavy ones are the kind other respect. all aim to produce, because, at best we will get plenty of the lighter weights to meet the demands ior the same.
In discussing the advisability of the average farmer keeping pure-bred draft mares, a somewhat new but very timely topic is opened up for
consideration. Just why the average farmer has consideration. Just why the average for a de not been keeping pure-bred the questions which amazes almost any man who has had any experience in the production of pure-bred draft horses in this country, or has any acquaintance with the methods pursued of the European counhorses Is there any more reason why the average farmer should keep pure-bred cows, pure-bred
ewes, or pure-bred sows, than in the case of pureewes, or pure-bred sows, than in the case of pure-
bred draft mares? Draft horses are needed on the farm to perform the necessary farming operations. Is there any good reason why a con-
siderable amount of this work should not be done siderable amount of this work should not be done with good pure-bred brood mares fish farmer, the Scotch farmer, the French farmer and the Belgian farmer, on their small farms, find it profitable to keep a pair or two pair of pureshould not the same polioy be a wise one to pur sue in this country? When this policy becomes more general on the rich farm lands of the Cen tral West, two things, both of which are very much in evidence at the present time, will gradual
ly disappear: First, the importation of such large number of stallions, many of which are a detriment to the industry; and, second, the pres ence of the glib-tongued chap whose business it is to organize companies of farmers to purchase
these stallions at about five times what they cost on the other side of the Atlantic. In practically every one of the European countries in which
draft horses are produced, more than 75 per cent draft horses are produced, more than 75 per cent of the same are produced on the small not only re quire their pure-bred draft brood mares to do the major portion of the farm work, but they al
so require them to rear a colt each year, which in require is sold to pay the rent of the ground in turn, is sold to pay the rent of the ground
used. In this way these people have been able


Daintv Duke of Connaught -353- (8809)

JANUARY 10， 1907
THE FARMER＇S ADVOCATE．
o pay their high rents and，
It will pay the average farmer in this country to keep pure－bred draft mares．It does not cost any more to feed a pure－bred draft mare than it
does to feed a grade mare of the same size．The does to feed a grade mare of the same size．The
pure－bred mare will do just as much work as the pure－bred mare mare．One good pure－bred stallion colt at one year old will readily command as much money as will a pair of high－class has in mind at the present seldings．The speaker has in mind at the In Illinois and Kansas who are using pure－bred draft mares
and perform their farm work and，in addition， to perform their farm work and，in addition，
raising good colts from the mares each year．The raising good colts from the mares eals from one to
stallion colts find ready sale when two years，at from four to seven hundred dollars
tach．These men have settled the question as to whether or not it will pay to keep pure－bred draft neighbor＇s sale in March，1903，and in order t help matters along，bid on a few things which he thought he did not need．He escaped troubl
until a pure－bred five－year－old Percheron mare，in foal，was led into the ring．He bid on her，and she was knocked down to him at \＄300．He ther neighbor for $\$ 290$ ，but did not succeed in making the deal．He kept the mare，and she ha
raised him a good colt each year．He has had raised him a good colt each year．He has had years，and she has done her share of the farm
work；he has sold three of her colts for $\$ 1,250$ ， and has one left for which he has refused the old．Has this mare paid her way？The owne is a most enthusiastic breeder of pure－bred swine，
but he informed me last week that pure－bred mare were even better property than pure－bred sows． were even better property I could cite you many other instances o similar nature．
Someone wil
do this pure－bred mare business．Has it ver occurred to you that in Iowa，the leading draft horse State in the Union，we have but one horse registered or eligible to registration for every
ne hundred and fifty－one that are not registered？ It will take some time to overdo this business There is no good reason why our farmers should not keep pure－bred mares of the very highest rank duce home－bred draft horses the equal，if not the superior，to that produced in any other part of the world．We have made good in cattle，in
sheep and in swine，so why not make good in sheepes？
horses
This i This is a line of work．which should receive more．encouragement from our fair association a
While liberal premiums should be awarded for a classes of animals，more attention should be given to the home－bred animals，and more es－
pecially those produced on the farm of the man pecially those produced on the farm It is the so－ called average farmer that makes a county，a
state，or a nation．Thus his interests are worthy of the most careful consideration of those en trusted with the management of the $v$
county，state and national live－stock show

Enough Good Registered Stallions．
In regard to the discussion that is being car－ ried on in the columns of your valuable paper
on the advisability oo enacting a lien and stallion on che adisanity
licene act， 1 beg leave to make a few remarks． 1 own three stallions，so am somewhat in terested
1 think it will tend to improve the colass of horses
True it
 is hesere
oures
out hold there are enough good ones to
Hind do the service．Undoubtedly there are are number for
of mares being mated every year that are not tit can wht whats．weut have have hand．Breed a poor
care to
mare to
geod h horse and we are breeding up． and with Every cross we will 1 e geting neareer
our ideal，if continuing in the same tine
Breed

 don＇t think it in the hest interests of the hirse
industry to to burden the stallion owners with a industry to burden the stavy large sums of money to purchase good horses and take long chances on them living and being sure foal－getters．
I think the lien act a good measure，for no
If proprietor will ask for more than his own．If
his horse foals a mare，some one is benefited financially，and he should have pay for the serv－ ice．If A sells his mare to B before foaling
time． B will be sure to find out if A has paid the service fee，if such a law was in force，or else keep hack that amount until settlement is made
and forwarded a receipt from the proprietor of
said sire．Whr not protect the stallion owners？
SThe manufacture are protected with a lien act ested in discussions going on in your valuable know what would be the result if a license law want the good horses will get them，and get thei pedigrees，too．Those who want cheaper horses， should have a perfect right to do so．I think the duy has come when most farmers are themselves the kind of sires most profit－ able to use，and we have in nearly every locality or，may I say in every locality，horses of both stamps．Who knows better than the breeder what it requires a license－tag to a horse to enable people to know his peculiar good qualities． A horse does not go very far before he is picked to pieces as to quality．At the present time
think people are wide awake to the necessity think people are wide awake to the necessity am inclined to think a license act is something a few horsemen are after，not or the benefit of the country at large，ly（monopoly first begin with a Government license of say from $\$ 10$ to $\$ 25$ ；of course，they pay the license．Then，being pro tected by the same，they are ready to charge an
extra fee of－as one has said－$\$ 5$ ；or，$\$ 5$ for 60 mares is $\$ 300$ into the horseman＇s pocket．Then he goes to the Agricultural Society show，and there secures a good percentage of prize－money， fee？gets his lic a Now，at the present time，and will be for some
years to come，we have a scarcity of horses


Winsome Beauty 3rd（imp ）$=43480$

Shorthorn co<br>，Ont．，Jan．15th， 1907

Enough cannot be had to begin to supply the de－ mand．A license act would，I believe，twond to in－
tensify the shortage of horses，which would be a very serious matter．Many farmers who would feel unable to pay a $\$ 15$ fee and run all risks， at all，and the supply would，therefore，be seri－ ously cutailed．I believe a license act would be of the countess，but detrimental As to the lien act，while I see nothing out of place，there is very little necessity for this，either， causes leading to necessity of a lien act．
Grey Co．，Ont．THOS．STEPHENS．

## Not Salary，but Perquisites．

Editor＂The Farmer＇s Advocate＂：
I have read a number of letters in your valu－ able paper re the licensing a sta which，no doubt，would be a benefit if car－ ried on properly and honestly，but I think this is a question that should be left to breeders and not to the Government，which has enough to look
after．Besides，I think that Government officials as license inspectors，and in other positions of the day，are after the job for the money on the side and not the salary，and a man who has lew dollars could get atever will better the horse and cattle breeding，but do not approve of lien act，as I think if a mare owner is not worth a colt，the stallion man should not breed his horse
to the mare．The tighter you pinch a crook，the te the mare．The tighter you pinch a crook，the
bigger rogue you make him，and harder he is to catch．Just use him right and honest，and he will gencrally pay up first thing．Nothing should
he a sire unless it has a pedigree and good qual－

The Horse Inspection Commission．
oditor The Farm the proposed stallion inspection In discussing the proposed stallion inspection and lien act，let us graat at the outset that the horses reant was intending ultimate good for the average breeder and stock－raiser．This looks right，for adherents of both political parties were appointed on the investigating at the root of the undamental can be righted by legislation，and a general thorough education along the lines of good breeding will be necessary before the cana im－ bred seriously contends for show－ring．Close ported in the market orperience，and a deductive observing nature is necessary in a successiul
breeder of live stock．The dignity of a calling breeder of live stock．The dignity of a calling
is its utility，and surely no grander calling is its utility，and surely no grander and that controls a breeding establishment．Both com mon sense and knowledge of both sire and dam must be had and used before definite resuts
be looked for in horse－raising．One has but to talk to an old trotting－horse man，and hear pedi－ grees rolling from his tongue back generations， till old Electioneer and his compatríots ar reached，and loving memories cluster round these show that like does produce like．
The intention of the Government to standiard ize the available sires by inspection of pedigree
and individuals，would no doubt be good，but and individuals，would no doubt be good，＂ind friends in every neighborhood who would whisper little every neighborhtil soon there．Would be stories around about good horses，not true and not to
their credit；but these very their credit；but these very
wide tales would soon do away with the efficiency of the inspection，and matters primary conditions．
Our＂Candid Friend makes some assertions it would cause him some trouble to prove if he had o ，I am thinking．It is not always wise to publish
such scatter－brain assertions such scatter me makes average importers bringing in scrubs on manufactured pedigrees．There are read ers of your paper who will
repeat what Candid Friend repeat what Candid Friend
believes，and say they saw it in＂＇The Farmer＇s Advo－
cate．＂To the：man who knows the circumstances such a piece of foolishness smile，if it were not that printed matter often carries weight with some．Import－
ers who have been at the business for years will smile when they think of the minute and careful examination to which Arch．McNeilage submits every pedigree．Thith
applies to Clydesdales，as I am not familiar with importing other than Clydes and Shorthorns，and as an instance，I would ask you to turn up the file of＂The Farmer＇s Advocate＂＇of a little ove
a year ago，and print the exposure Mr．McNeilage a year ago，and print the exposure Mr ．McNeilage，
Registrar of Clydesdales in Britain，made of the man Park（since dead）and the man Weir，who attempted faking pedigrees．
The horses the importer brings over are his property，bought by his money，and are eithe put on the market or kept in the importer＇s
stables until sold．They may be good，bad or otherwise，but every man can be his own judge and buy what and where he chooses，provided his credit is good．The whole thing is a personal importer brings poor stuff，let the buyer leave it alone ；if he has good，let the buyer expect to pay a good price．
As to why an imported stallion with a good pedigree should be a better stock－getter－a pro－
ducer of better stock－than an equally good in dividual minus a pedigree，the answer is not fa to seek．Unless an animal has the blood of several generations of good ancestry behind him
to intensify his powers of transmission and his character，he cannot be expected to be prepotent and a horse with a few tops of good hlood，from poor mares，can＇t be expected to breed after him－
self，even if he is a good individual．Inheritance is an acting law in breeding，not theory；and unfortunately for the owner of a splendid poorly bred animal，it usually works in．But even a prizewinning International sensation，bred to a
1,200 pound，short－pasterned，thick－honed chunk will most likely leave a scrub．Give the stal－
lions a chance．Mr．．Candid Friend．Tse good lions a chance，Mr．＂Candid Friend．＂Use good
mares，not one redolent with compound horse objectionabilities，and try a few sires with the
character that offsets your mare，and see if you
don't eome back in a few years with a different
cone in your letter.
The good horse is bound to improve our stock and I would like to see his owner encouraged, but some men are not born with the sporting in some men are not born with the sporting in-
stincts strong enough in them to risk $\$ 15$ to $\$ 20$
on the probable foal on the probable foal. There will always be a
lot of good horses bred in Ontario, and better ones every year, because some of the old scrub mares die off every year, and better ones, it is hoped, take their place.
commissions to give would ask the various of the matter, and give their personal of the matter, and give their personal dustry throughout the Province, the Government would have some reliable information to com-
mence operations on. They would find, methinks that there is a virus getting into the blood of our horses which in after years is going to cause endless trouble. It is getting in in the shape o Percheron blood, and why that is so is this: Ou
horses for years have been topped by Clydesdal and Shire blood, until the Shire and Clyde characteristics are permanent. Now, however, the
horse company-the curse of the States to-dayhorse company-the curse of the States to-dayhas struck us, and we will suffer the consequences
Let the commissioners speak out, and if they do not endorse my assertion, I am prepared to with draw it and let it rest for a few years more when the results will be more apparent. I am other, but the two draft breeds in Canada ar Clydesdale and Shire, or Shire and Clydesdalewhichever way one wishes-and the introduction of a third type and blood spells ruin.
Ontario Co., Ont.

## Care of Brood Mares.

Last year I had a very valuable brood marè, for which, in the beginning of February, I was offered $\mathbf{\$ 2 2 5}$; but I thought she was worth that to me, and so I kept her. I worked her al spring and fed her very liberally, and she was apparently in a very healthy condition, and was hearty and feeling well. But apparently the col had developed and grown to an abnormal size, the womb, and when I found the mare a consider the womb, and when I found the mare, a considerthe colt. We at once had a veterinary surgeon but he said nothing could be done, and in a few hours the mare died. The colt was large enough to have been three weeks old. We tried to raise it on cow's milk, but it only lived a few days. Now, I think it is well to be careful in the feeding of a brood mare. It is well to keep her bowels rather laxative than otherwise; but good judg ment ought to be used, so that the colt will not develop to too great an extent. A few roots ought to be given, and part bran and part oat
chop, and when not working, good wheat or oat straw is perhaps preferable to hay, especially it the hay be timother believe that if care is exercised the mare. mowially if she is a heavy
draft, is better wo med, or, if not worked draft, is better wo s.... rked, or, if not worked,
ought to havo plenty : sercise regularly. Some maros wiil come throug," fouling time all right themselves, but it is well for some one to be or hand to give assist.
Oxford Co., Ont.

## Tax the Poor Stallions.

Editor "The Farmer's Advocate": lions. Don't you think the better plan would be to levy a tax on the undesirable horse, thereby compelling the owner of such a horse to raise his
service fee to make the business pay and theroly service fee to make the business pay, and-therely
give the farmers a chance to use a better-bred horse, since the man with a good horse, unlicensed had a license to support. We license the bat room because of its degrading intluences, and why not license a poor horse beczuse of his degenerat
ing influence? The question may low asked, Why license at all? Why not let ili
wish? There is nothing more kin wish ? There is nothing more kin
all we can to get men to do right, all we can to get men to do rig.
meana a schoolboy's thrashing.

Christmas Number Caught Them. I am sending the price of three new sulion
tions by express order. Two are from my
bors, and one I am giving as a (him present to my two young grandsons
Christmas number (the best you have Christmas number (the best you have pulnish yet) caught my neighbors when I told them th
would get a copy.
THOMAS HISLOH

## LIVE STOCK.

## Economic Conditions Affecting the

 Purchase of FeedersThe above is not a new theme, and has been many
times discussed, but the importance of the topic times discussed, but the importance of the topic and the problem render repetition excusable. In the lecture room of the Ontario Winter Fair it was again dis cussed last month by Prof. G. E. Day, whose point serving the full text for consideration at a more sea serving the full text for consideration at a more sea
sonable date. There are, said Prof. Day, at least four important factors to be taken into consideration in the purchase of steers for feeding, viz

Breeding (including conformation and quality)
Age.
2. Age.
3. Weight.
3. Weight.

From experiments conducted at the College, Prof
Day proceeded to show the importance of the factors


## Yorkshire Sow Under 15 Mon'hs

Winner of second prize at Ontario Winter Fair, Guelph
of weight and condition, and their relation to the the purchaser to get out with a margin of profit. In the arddress this cardinal fact was brought out plainly namely, that in fattening steers under College cond ditions, every pound of increase in weight costs sub stantially more to produce than the selling price the steer per pound. The feeder makes up this loss and whatever profit he clears, by
per pound of the original carcass
(1) To feed steers cheaply, the meal ration should be kept as low as possible, consistent with securing
reasonable gain in weight. reasonable gain in weight.
(2) Heavy, fleshy (short-keep) steers may be fed heavier meal ration per 100 llss. live weight that lighter and thinner steers, and give an equal profit making allowance for their greater first cost per pourd.
(3) The lighter and thinner the steers, the great (3) The lighter and thinner the steers, the greater (4) Conditions being equal, heavy steers are worth more per pound to buy as feeders than lighter ones,
the selling price per pound being the same. the selling price per pound being the same.
(5) Weight being equal, a fleshy steer is worth more per pound to buy as a feeder, the selling price per pound being the same.
(6) The lighter and thinner the steer, the greater the "spread" between the buying and selling price per
pound necessary to compensate the man who feeds him. (7) In this experiment, steers which weigh 1053.5 bs each when bought, which were increased 348.6 lbs.
anch in weight, and were sold at 5 c . per pound, required a spread of $\$ 1.00$ per cwt. bet ween the buying
and selling price, to give a profit of $\$ 1.90$ per head


Broadhooks Golden Fame (Imp) and Broadhooks Victor.

Daily Gains of Smithfield Ixhibits．
The following summarized information of the a age daily ging alive at Smithfield show will be o， Tine consists of the highest，the lowest，and the aver age daily gain shown by each of the different classes
of cattle，sheep and pigs named： daily gains and averages at smithfield， No．
Breed．
present． Highest Lowest $\begin{aligned} & \text { Whole } \\ & \text { class }\end{aligned}$

## 路

Canadian Cattle in Europe．

## rom Montreal developed during catte shipment

 arising because of scarcity in these condrics，it is claimed．The shipments were made by the gead．The cattle were taken on the ships，whicgive the fortnightly service to Havre．France，and I．ondon．About 250 were taken on each ship the
greater part of the summer，shipments falling off towards the end of the seasom．The cattle were put ashore at Havre and shipped thence by rail
to Switzerland．It is claimed that many were states that there seems to be an opening for the shipment of Canadian cattle to different Furonean countries．Belgium is short of meat，and so is
Ciermany．France has a good supply from her
Nome Cermany．France has a $\quad$ The gencral opinion is that these
nwn farme
shipments to Havre will not he contined next sea－
$\qquad$ The cattle gave splendid oatisfaction，but，so long as the $h$
wanted． a Possibility？＂，was Cow－is She a Reality or dress by E．C．Drury，of Crown Hill，Ont．，in the month．By syllogistic argument he drove home of cattlosion that the breeders of the beef breeds creased attention the milking quality，so as to make their animals truly dual－purpose，if they are formers their own in the estimation of Ontario 1．White position may be stated thus to rival the special－purpose dairy matron in milk production，there are large sections in Western Ontario，where land is comparatively cheap and
labor relatively dear，where the farmers desire to keep and are warranted in keeping some cattle stock other than milking cows．For such farm－
ers the special dairl breeds cannot fill the bill， ers the special dairy breeds cannot fill the bill，
since there is seldom any profit in raising their calves fur beet．
2．The special－purpose beef cow has little place in Ontario，for，under average circumstances，it is a practical impossibility for a steer to pay his
mother＇s board for a year and show a proper balance for himself on the ledger． 3．The only cow which meets the needs of the ciass of farmers aforementioned is one which will
give a good account of herself at the pail and give a good account of herself at the pail and
throw a calf that will develop into a fair beef steer．That such a cow is a practical possibility，
he reasoned from his own experience and from the experience of the general farmer with the old－time
grade Shorthorn stock，hut that she is becoming increasingly rare，he unhesitatingly averred，claim－ ing that the breeders of Shorthorns，the accus－ their stock run to beef，and making little effort


Steer，Son of Royal Duke．
of milk，and at the same time produce a beef
calf that will，during the three years of his life， calf that will，during the three years of his life return weight $\$ 25$ for feed consumed．The Canadian farmer has been trying to raise such a cow，but the breeders of Shorthorn cattle，to cow，but the breeders looking for his dual－purpose sires，have been aiming chiefly at the beef type and ignoring the dual－purpose ideal，to the dis－ advantage of their breed and of the country．
Under these circumstances，Mr．Drury did not Under these circumstances， snow that the comparative indifference about mak ing use of pure－bred sires of the beef breeds．The show－ring was indicated as one inflence sacrifice of milking quality．He had seen females of the bee breeds exhibited that were as much fancy stock as pouter pigeons－cows which aropped calves dried ofi in ed by nurse－cows．If such a cow were a hen，and could hatch a dozen chicks and turn them loose to scratch for themsel Beef type and dairy quality
Beef type and dairy quality are not to any great be developed in cows approximating the beef cap The same fundamental qualities of thrift and con－ stitution that make an animal a good producer in the dairy stable will make her progeny good and in the feed－lot．Mistaken notions of bee herds to type have led owners of grade beer which did not show approved beef type must be good milkers ；hence farmers，in an efflort to pre－ serve a degree of dairy quality in their herds，have Others have scrubby heifers to keep for milkers dairy breeds．The only thing that can save the dairy breeds．The only thing that can save the
beef business in Ontario is a return on the part
of our breeders o of our breeders of dual－purpose stand ard，so that farm－
ers will not be im－ pelled to select the off－type heifers as milkers．The esse $t$ ween the beef and dairy types is no oo great as we hav The most importan distinguishing char acteristic of the beef type is th
strong，broad，level back．On the othe hand，the sharp chine and peaked
back is one of the back is one of the
least important fea tures of the dairy type．In your dual－purpose cow get the strong milkind combine milking quality Whether the dua purpose cow it or not，she is here and it is up to us to to combine with beef conformation a profitable
degree of milking propensity．As a consequence farmers have been reluctantly forsaking this breed and taking up with the special dairy breeds，in
order to get profitable cows． At the outset Mr，Drury styled himsen a better term than＂ordinary＂or＂average farm－ er．＂He keeps ten or a dozen cows to milk and
raise beef calves．He also goes out and buys some calves for feeding．He took pains to ex－
plain that he had no quarrel with the special－ plain that he had no quarrel with the special－
purpose dairy cow．It is difficult for the dual－
purpose cow to equal her in milk production purpose cow to equal her in milk production，but
he believed that，for her own special circum－ he believed that，for her own special circum－
stances，the two－purpose cow inight rival the other in total profit． are kept：Small farms of high－priced land．

Ranching conditions．
Midway between these extremes are the conditions prevailing in Western ．Ontario，where He might also have added，where many people are disinclined to the milking of very many cows and the exactions of specialized dairying． vantageous to handle forty or firty dairy cows，
and there are many others who can＇t get the lator to keep all the dairy cows their farms will carry．On the other hand，the ranching system
is out of the question，for we cannot count on making a profit from a steer which has to pay
his mother＇s board for a year．What is desired st bred by exhib make the best of the situation， the general market，make a profit raising bee without milk．In reply to a question，Mr．Drury stated that the year before last some of his dual－ purpose cows made $\$ 48$ each at the pail．Thei of 1,400 to 1,500 pounds，and sell for a price that shows an average return of $\$ 25$＿per year for their feed． pose sire？＂，asked some one in the of a dual－pur－ dual－purpose mother and a dual－purpose grand mother，＂was the pithy answer，received with laughter and applause．
The next speaker
discussion was H ． S ．Arkell，assistant for this Day，of the Ontario Agricultural College．Prof． hour being late，he had no chance to expound his vieus fully，but was constrained to disagree slightly
with Mr．Drury in point of emaphasis．The with Mr．Drury in point of emphasis．The former rather emphasized milk．Mr．Arkell doubted the feasibility of a dual－purpose standard，and thought clivities，paying more attention，however beef pro－ than has been customary in this country do milk necent years．He spoke of the splendid carloads of Angus，Hereford and Galloway steers coming repeatedly to Chicago and topping the market，
and he mentioned that many an American farmer makes his money out of that class of stock．He cited the case of the Red Polls，a breed which is claimed to be dual－purpose，and dwelt on the place this of geetting consistently or with any degre of harmony among experts as to what constituted
excellence. He believed the qualities of a real
dual-purpose breed were too unstable to insure success in breeding them.
By way of comment, we may add that one facproducing beef is the large quantity of economical feed he grows in the form of corn, which is the beef-producing feed par excellence. Notwithstand ing this fact, it is stated by no less an authority ing headway on the valuable lands in the great cattle State of Iowa. Then, too, we have the fact to face that the Red Poll breed aforementioned is gaining favor across the line.

It is probably correct to say that the dual-pur pose cow will not be very successfully bred for
the show-ring, but will she be much the worse for that T The dual-purpose cow of the future will be selected and bred according to two standards: (1) The eye, to discern beef conformation;
(2) the milk scales and Babcock test, to ascertain the degree of dairy usefulness. As a guarantee of the latter quality, the purchaser of the sire must be able to learn the authenticated dairy record of his dam and grandam. This means the
adoption by the breed society of the system of adoption by the breed society of thermance, and it cannot be instituted too soon

## Questions for Pig-raisers.

A friend of "The Farmer's Advocate" out in Southern Alberta, where grain is more plentiful than milk, desires to know what is the reser substitute for mith a brief answer解 e submit of puess at weaning time. Let us have short anwers, and many of them

1. At what age do you prefer to wean pigs (a) in case you have skim milk; (b) when you have no skim milk?
 ers before being taken from the sow ? ou prefer for feeding : (a) with milk or meals milk

According to your experience, how much is whey worth per cwt for weanlings and shoats? 5. How much is separator milk worth per cw or weanlings and shoats?
6. Do you feed the skim milk sweet or slightly 6. Do you fe
sour, and why?

## THE FARM.

## Measuring Stacked Hay.

There is no way of determining the exact num ber of tons in a stack of prairie hay, unless
know the number of cubic feet required f ton. This differs with the different kinds of hay, the condition in which it was put up, the length of time it has stood, the height of the tack, and other minor considerations. A rule which has met with considerable favor and is in somewhat general use in the prairie-hay sections, is to add the average width of the stack o the average overthrow (measurements to be reckoned in feet) ; divide by four : square the re sult; multiply by the iength; divide by 512,
where the hay has settled for thirty days; or by where the hay has settled for thirtv days,
420 where the hay has stood over six months. The philosophy of this will be apparent. The verthrow is the length of a tape required to go over the stack and rest at the bottom on wach
side. Adding the width of the stack to this is side. Adding the width of the stack to this is
practically putting a tape around the stack practically putting a tape around the stack
Dividing this by four gives one side of a square which, when multiplied by itself, gives
number of square feet: and multiplied number of square feet: and multiplied by th ength gives the number
the stack has stood and the higher it is
the fewer the number of cubic feet that will be equired to make a ton. we do not know any and practicable application, ave scatoc, it would be
t and
rom the
valuable.
the actual. Information of this the differ

## Tangible Appreciation

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money alone, but

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stantial and tangible
compliment.

## Rotation Experiments at Ottawa.

In 1904 an experiment was commenced at the Cenlral Experimental Farm, Ottawa, to test the value of ingly, divided into 39 different lots of varying size, shape and soil characteristics. These were then grouped as follows : 7 of 3 lots each, 2 of 4 lots each, and 2 of 5 lots each; in addition, a bit of rather broken land used for sheep was divided into 4 lots, so making up another group. It was attempted to so select the lots going to make up each group as clude considerable areas of each grade of soil.
Each group was then put under a certain rotation Each group was then put and certain rotation Rotation A.-Five years-Clover hay, timothy hay,
grain, corn, grain.
Rotation B.--
hay, corn, grain.
Rotation E.-Three years-Pasture, corn, grain.
Rotation E.-Three years-Pasture, corn, grain.
Rotation Z-Three years-Clover hay, corn, grain Rotation S.-Four years (shallow plowing)-Clove ay, timothy hay, roots, grain.
Rotation D.-Four, years (deep plowing)-Clover hay
timothy hay, roots, grain.
Rotation H.-Three years-Hog pasture, roots, grain or soiling crop.
Rotation T.-Four years-Sheep, pasture, roots and
soiling crop, grain, clover hay. soiling crop, grain, clover hay. Rotation M.-Six years-Grain, grain, clover hay,
imothy hay for three years. Rotation N.-Six years-Grain, grain, timothy hay for four years.
Rotation 0.-Three years-Grain, timothy hay, timothy bay.
Rotation P.-Three years-Grain, clover hay, timthy hay.
Since this experiment has lasted two years only
t is too early to attempt to draw any conclusions or
0 summarize, but our readers will be interested in the to summarize, but our readers
reports when finally published.


Southdown Yearling Wethers.

Figures on Crop Production.


Air and Water.
Editor "The Farmer's Advocate": Air and water are ablu ther he country, and it will be pretty hard for any com are so free likely the reason the are so free and with pore ary for stack feed, and if by their proper use we sary for stock as feed, and inger results, they have to the stockman a "cash value." The proper ventilation of stables is double importance, as it makes for the health of stock
and gives increased returns from feed. As regards nd gives increased returns from feed. As regard emperature, I think the degree of heat is not so ortant as avoidance of extremes than milk stock ut milch cows will do just as well in a stable of abon 50 degrees as they will at 60 degrees, if they are ac ustomed to it. We have made very good records esting cows when a cold snap came on and the tem
perature went down to near 40 degrees. With th perature went down to near 40 degrees. With the
ower temperature they take a little more feed, perhaps, but in cold and clear weather we all have keen appetites, and it is just the same with stock. In a
airly even temperature with proper ventilation can the airly even temperature with proper ven, then I would
maintained at from 50 to 60 degrees, then prefer that temperature, but if during cold spells the temperature of the stable cannot be kept at over 40 degrees, I should not like to maintain a much highe iemperature than 50 in average weather. Then, again, maintenance orea miving improper ventilation, it would be better to have a lower temperature and bet er ventilation, for several reasons. It is more healthul, and that should be reason enough. It is also
hetter from the feeding standpoint. Lack of ventila hetter from the feeding standons in the stable a dampness as well as foultion means in the stable a dampness as and damp air at for degrees will feel colder than a dry air at 50 degrees. I am convinced from bservation and experience that we can get just as cood results, even as regards the economy of feed and
returns for feed, at a lower temperature than has been Advocated for or the
dairy stable. dairy stable. This point is important, be-
ause it means easier cause it means
ventilation. Fresh
air.
air
I moans
do nct resh $\begin{gathered}\text { air means } \\ \text { cold air. } \\ \text { I do nct } \\ \text { consider that a sub- }\end{gathered}$
varth arth duct is of any
se to warm the air. We have such in the
Ane the
Antandale stable. An, have such in the stable, and
the dir that comes
the that way is
sideration will show
us why this is so.. Al-
though the ground is warmer in the winter six feet down, Where is also some voisture, and the cold air coming in at the intake foon forms this moisture into frost, and keeps follow-
ing further up the ducts, until soon the ducts underground are covered inside with frost. We do not use the sultearth ducts at all. The openings in the floor over the ducts are near the water pipes, and would ireeze them up. Air coming in cold enough to freeze
water has not been much warmed. If we wanted to maintain a low temperature near freezing for apples, onions, etc., these ducts would keep the temperature
pven, as the frost remains down in them, and when the pen, as the frost remains down in them, and when the
air is warmer the incoming air would, air is warmer the incoming air would, on warmer
spells of eather, be colder than the outside temper petlis of Weather, be colder than the outside temper-
ature. The trouble with most people is they don't ature. The trouble with most people is they don't
consider ventilation at all. If people would only use
 ,ee a very great improvement. Some of these simple nethods: Window or door on the lee side of the stable : as the wind changes have the openings on the lowing, then the air will not come in with such force. As the warm air inside makes a " suction," it is necessary to have several small openings rather than
fewer large ones- that is first principles. Then there tewer large ones-that is first principles. Then there
should be pipes leadinn up to the roof of the building : these should not be large, or too much cold air comes
down them. There should be slido down them. There should be a slide at the bottom. days, and this vent should come down three to five feet
helow the ceiling of the stalle in order not to take off too much hot air. We may laugh at ventilating
stable by straw stuck in the window hut it he worst way straw stuck in the window, but it is not
$\qquad$ an an have it concret with white cotton. I believe Ins sumpers sithera, where the temperature


JANUARY 10, 1907
THE FARMER'S ADVOCATE.
some gentleman for a stylish residence, it was made from his stable, he is wasting the most valuable
entirely suitable for his majesty the pig, by putting a part of the manure. Last winter we were in a stove in, the stovepipes being run two-thirds the sta o where passage sloped, and a tile below to length of the building. A very little fire with so muin carry away the liquid manure into a drain. Why first, but now we go that one better, by having an will men let the golden dollars run away from ordinary furnace and kettle over it. All the heat we them in that rashion enough litter or absorbants require is enough to warm the water to about blood should
heat ; and this is much better for the pigs to drink used to take up the watery manure with the than cold water. Pigs can't do well when they don't ake enough water. They cannot properly assimilate heir feed, and they can't take enough ice cold water
ry it yourself, you cold-water pig-feeders. With thi simple improvement, that " kills two birds with one
stone" (removes cold and dampness and takes the chill stone" (removes cold and dampness and takes the chill
off the water), hogs fed on dry chop, mixed with of the water), hogs fed on dry chop, mixed with
pulped mangels, and given an allowance of salt in the pulped mangels, and given an alloway do O. K. In palace or cottagé. The essential is comfort. There is no
better aid for an animal to "cash in"" than proper

## A Dry Hollow Wall of Brick.

Editor " The Farmer's Advocate" :
Being a reader of your most valuable paper, I see articles regarding the kind of stables most suitable for stock. $10 \mathrm{ft}$. with stables under most of it, excepting 14 feet for a driveway. The walls are of cement and 14,000 small $4 \times 8$-in. brick. I
put cement 18 inches in the ground, and put cement 18 inches in the ground, and one foot above in inches wide in bottom of the trench tapered to a foot wide at the top of the ground
and a foot high above the ground. The cemen and a foot high above the ground. Ne of Port
was mixed nine parts of gravel and one was mixed nine parts of graverick off the ground
land cement. This kept the brest
and they do not crack from the wet and frost. I built a 7 -foot double wall of brick on top o
he cement. The two walls are laid 4 inche apart, making a good air-space between the walls. The wall is a foot wide on top. The corners were laid un three bricks wide, and every six or
eight feet the third row was placed in the wall eight feet the third row was placed in the wall.
Every five or six courses of brick, a soft wire was Every five or six courses of brick, a soft wire was mews of brick, making the wall perfectly solid. I
used two 2 -in. plank for sill on the wall. These planks should be laid in mortar on the brick. This will make an air-tight job. I put a number
of 3 -in. tile around in the wall quite close to the top for ventilation. I used 8 -in. overlays on the sills, making from 8 to 9 -foot ceiling; roomy
above the cattle, all helping to give better ventiabove the cattle, all helping to give better venti-
lation. Do not be afraid to put in plenty of windows for light and air. Leave a window or two open during a mild, soft spell on the lee side
of the building. Light and room are two good of the building. Light and room are two good
things in the stable. I have failed to see the things in the stable. Ihe walls, in either the cow or horse stable, nor any dampness. During the
wettest of the year the walls are perfectly dry. I have known rain to beat through a concrete about the only fault I have with a concrete wal My stable is warm enough for any kind of stock. The windows are placed directly urderneath the sill, and are matom. They will keep out rainstorms while being open, and are not in the way of cattle either outside or inside.
T use a cement floor in cow stable and in horse
stable, and a ground floor in driveway. I have stable, and a ground foor in driveway. cows in
my horses in one end of stable and 21
the other, so they are not breathing in one another's faces all the time. I gave a good fall to the floor so that the urine will run not. I have two rows of cattle standing across
not.
the stable, with their tails towards each other, with a five-foot passage between. The standing place is four inches higher than the passageway, which is two inches higher in the center than side
the side, causing all the urine to stay at the sion
and making the center dry. and making the center dry. I gave the passage
a good fall towards the door, and most of the water runs out of doors. A three-inch tile could
be placed at each side of passageway in the wall,
and all the urine would run out into the barnyard. I have a door at the end of passageway,
where the cattle go in and out of stable.
I drive into the barn on the level. My doors are $14 \times 14$ feet, and set down low. Once climb-
ing into the mow, you can throw the feed to ing into the mow, you can throw the fave no high bridge to
where you want it. I have
drive drive over. I drew earth and raised the cow-
and fodder.
stable floor nearly a foot above the level of the ground. This helps to keep the under side of
floor dry and from the frost. The horse stable
has cement floor, with hemlock plank in stalls. It isn't every kind of a wall that will make a
It
warm and dry stable, and free from hoarfrost. warm and dry stabuild again to-morrow, I would
If I were going to huall, as de-
use cement foundation and a brick wall,



## A Dry Hollow Stone Wall.

I notice in your the heaiding, "The Farm," some questions you wish answered. Last summer, on this farm where I live, we took down an old barn, 40 又 60 and raised a new one $56 \times 100$, with stone base-
ment. The stone wall is not solid through. Two or three inches in the center is hollow, or nearly o, partly filled with little stones and mortar
The stable floors are cemented, and the floor The stable floors are cemented, and the floor above is nine feet from ventilator pipes $10 \times 10 \mathrm{in}$. inside, running from the stable ceiling to within a few feet of the roof. The stables are very comfortable
and dry; no steam or foul air. The windows are put in in two sections, one above the other with hinges on the top part to open downwards The stable will hold, when completed, eleven
horses, fifty cattle and twenty hogs ; besides, horses, fifty cattle and twenty hogs; besides
there is a large passage in the center unoccupied there is a large passage in the center unoccupied
Perth Co., Ont.

## Fourteen Years in a Basement.

Yditor The Farmers ado dare the farmers of North Americ a genuine service in giving the basement stable a
thorough airing. What little I know about these structures, based on some 14 years' experience with one, plus observation of others, will not make a long story. It is not an underground
basement or " bank barn," but stands above the basthent or bank barn, age, and was well tiled in three directions, and tiles were run around just outside the founda-
tion trench. feet, built of fleld and river stone, was 20 inches thick, and was rough-plastered inside. A smaller basement horse stable, built later, was of cement concrete. The satisfactory sheep compartmen (used betimes for other stock also), has a double one foot high.
The main barn foundation does not stand soak ing in the wet, and the masonry wall has proved some of the single wooden doors which open out side, and which are often very wet for days. In the next place, there are two wooden door 8 feet wide, and two 3i feet wide, opening out
side: and two 8 feet wide and three $3 t$ feet wide opening into L wings. The ceiling is about 8 feet high. The basement is well lighted with plenty of large windows, and the longer I live light in preserving the health of men and animals. Much of this stable trouble and disease, attríbuted to dampness, may be primarily due to darkness.

When this stable was erected the ventilation
are I say it? ) fad had not attained its present
(dare I say it ?) fad had not attained its present
status, though of downright knowledge. I believe we have about as little to-day as we had then. So, there was no so-called " ventilation system" put in, but there were three large feed chutes central feed alley, and one stairway opening. Excent in zero weather, when we do not want some new nocturnal arrival in the animal world frozen to death, these openings are wide open. Two roof-peak. We have not heen bothered with wet dripping from the roof sheeting. There have been
many nights when water standing in the basement has frozen, and if the chutes were closed up the The dripping walls, the damp, clammy, chillbreeding "feel" to the atmosphere, so much
talked about by some of your correspondents, are talked about by some of your correspondents, are weather, particularly with strong northerly winds, hoarfrost gathers thickly on the north wall, but when the " spell " moderates it quickly
disappears. Under similar conditions, there disappears. Under similar conditions, there is
probably as much or more frost on the cement wall. As the cement wall solidifies with age it becomes, in effect, a monolith, and practically as good a conductor of heat, cold and moisture as conclude that the plastered stone wall, composed broken pieces, held together with mortar made
lime and sand, as the one described was built, actually makes a drier wall than concrete. What further results have been noted ? DurWhat further results have been noted D Dur-
ing all these years the cattle, both beef and dairy
stock, have thriven, and made something above
their board. They look healthy and well, and oertainly never die of asphyxiation leed warmith than dairy stock, but this is not proven do Nathe latter grow longer hair protect her creatures, It is her protest against exposure. steer a reasonable course between pain one hand and discomfort on the other ?
The wooden, one-story annex for cattle, running out as an $L$ from the main grain-and-loddeme storage barn, as proposed by Mr. Logan some months ago in your columns, wauld unquroperlyably be more wholesome than many but the inconstructed basements and the double set of roofing would make it quite as costly, if not more so, than the basement barn, which, as another your correspondents points out, possesses so mather useful features
To sum up, the essential conditions desired are Comfort and Convenience. The formar includes light, dryness, a reasonable temperature, Convenience will embrace suffcient head room, provided by a high ceiling, fairly wide passages and alleys, and the use of gravitation, having fodder go condihill instead of up hill to the stock. and strength of structure, without wasting capital in needless outlay, as the farm is presumed to the main as a money-making proposition, and must work these problems out for himself, aided by this discussion. By a great many, the initial mistake, in building a new barn, is made in selecting too low a site and laying the basement floor lower than the surface of
the ground outside. There are ways of saving money, but this is not one of them. Under the conditions of experience described,
Uy answer to your question, Is the Basement my answer to your question, Is the Basement
Barn a Success? must be in the affrmative.
Middlesex Co., Ont.
STOCKMAN.

## The Poorly-metalled Road in Sleighing-

 time.At this season is manifest one more disadvantage of the roughly gravelled or poorly macadamized road, When sleighing is thin the runners screech along ove a rough gravel or broken-stone surface, wearing more and producing much greater friction than they would on a clay bottom. The above is no very consequen leading highways, but it is a reason for not dumping metal promiscuously on roads where the monetary ai propriation does not warrant a first-class ' job.

- A correspondent of an American excriange has found that a light coat of sulphur sprinkled on seed corn when stored will protect it from rats and mice, H on the corn after it is planted. This might be worth trying.


## THE DAIRY.

## A Great Cheese Year.

Returns recently compiled at Montreal indicate though greater than in 1905, make of cheese some previous seasons, yet the high prices pro vailing eclipsed anything in the history of the in dustry. Allowing for cheese yet to go forward the exports will probably reach a value of 829 .
000,000 besides which were the increasing ties consimed at home. During 1906 cheeee sold on an average, in London, 5s. 6d. higher per $\mathrm{cwt}$. than it did last year. During the past five
years there has also been a steady advance in years there has also been a steady advaince
Canadian butter production.

## Daliry Shorthorms.

The report of the council, at the annual meoting, Herdbook) Association of Creet Britorin (Ooates council think it is a sublect for congratulation that at every show where the association offored money,
there have always been peditgree Shorthoren canebl yielding sumflieent milk podigree Shorthorns capablo of there is no doubt the to qualiry ror the prizos, and the friendly spirit in which the Shorthorn soity and assisted its efforts, have been the means iot proving to
breeders, both at home and abrond that the short breeders, both at home and abroad; that the shortto produce the maxi-purpose cow, since it can be

## Every Cheese-factory Patron Needs It.

our chens that induce every farmer and patron of for I I don't thing they can well your valuable paper, T, ANDERSO Northumberland Co., Ont.

## Live Dairy Topics Discussed.

 White the food and water supply are very important factors in producing clean-liavored milk during the stable odors and careless handling of the milk. The principal food liavors come from turnips and spoiled silage, and these should never be fed to milking cow usually is docked from two to three cents per pound, which is sufficient argument to prove that turnips give butter an objectionable flavor. A generous supply good water is very necessary for a milking cow, and no coExperiments have proved that an average of two pounds of milk more per day can be got where the ow has water before her to drink at will. "Stable odors " Include all the filth which gets into the milk
trom various sources before leaving the barn, and in a great many cases this is no small amount. Careful axperiments have shown that average winter milk conains seven times as many undesirable bacteria as sum mer milk,
They come from the dust of the feed, from the filth of the cow, and from dirty hands of the milker. Cream from such mifk is greatly beneifted by being at onc put through the separator, but the same unfavorable onditions are encountered at every step in the hand the soparator and all milk pails and utensils are co tamineted from unwholesome dishcloths and a lack of choroughness in washing. Many women do not realize aliect that a little carelessness has on the keeping the writer that we must bring this more directly the zotice of our patrons in some practical form before we whl make much headway in improving the quality our butter
sed by some instructors as a very effective is bein demonstrating the results between good and bad milk and buttermakers need a cream test for the same pur pose. Prizes given at our fairs for cream a week old
ought to prove more interesting than prizes for butter ought to prove more interesting than prizes for butter
I say "cream a week old," because it would test woman's skdil in handing milk and cream if she could keep cream good for a week. Such a competition would give the opportunity for a very instructive tal by a competent judge on the care of milk and cream.
One of the very worst forms of bacteria which ar encountered in summer comes from the dust of milking yards and from road dust. Milk and cream cannot
be too carefully protected from these sources of conbe too car
tamination.
Covers of some sort should be provided for milk and cream wagons to prevent dust and mud from getting into the cans, which it undoubtedly does in unprotected cans, and often in no small amount. The
hot sun beating upon an unprotected milk or cream hot sun beating upon an unprotected milk or cream
can has a very infurious effect upon the flavor of the contents. It is very necessary that all cream carriers should be protected by wooden jackets, which serve the double purpose of keeping the cream cool and prevent ing the sun's rays from striking directly on the tin
In the cream-gathering system it is usually nec sary to cool the cream as rapidly as possible as soon as it is recoived at the creamery. Where the cream can be passed over cooling pipes and cooled in a few
minutes a etarter may be used to good advantage as an aid to ripening, and also in the development of a desirable flavor, but where the cooling is dependent upon fce water surrounding the vats, the cooling process is usually too slow to allow of a sta
as too much acid would usually result.
as too much acid would usually result. advantage, as the cream is always sweet, and the
fiavor is very much more under the control of the After this stage is reacher the two systems merge -m
in a manner exactly similar. The coloring of butter is controlled by the market we are catering to. Our Canadian markets demand a fairly high coloring the
year round, but the British markets want it at all year round, but the British markets want it at al
times without color, as they seem suspicious of our winter butter if colored to imitate summer conditions. The British people want little or no salt, and a. large quantity is now sent yearly across the Atlantic with
out any salt. Saltless butter is much more diffcult to keep in fine condition than salted is, and it is very liable to mold. From of an oz. to 1 oz. of salt
to a pound of butter is the rule for our home market The questions of moisture and overrun are live ques tions at prosent among buttermakers, and the $t w$ are very closely allied.
by the question of overrun is, apparently, affected mor than by any other factor, and until recently it wa not definitely known that the moisture content could be more or less controlled. Some claim to have
achieved definite results, and arrived at defnite conachised definite results, and arrived at definite con-
clusions, while others think that mach more experimenting is still necessary before correct conclusions can deduced, and that is the opinion of the writer.
It is a well-known fact that hutter-fo
It is a well-known fact that butter-fat must have a
certain amount of water incorporated into it to make it palatable to the taste. and the law allows $16 \%$ o moisture as the limit, but it is only by a chemical analysis that the moisture content of butter can be de termined, and this, heretofore, could only be done by practical chemist.
This difficulty,
come by Prof. Gray, chemist for the Dairy bivision of the Bureau of Animal Industry, Washington, D. who claims to have worked out a method whereby anyone of average intelligence can make an accurate test
of the per cent. of moisture contained in butter 15 minutes or less.
15 the per
The instrument by which the test is made is no being placed on the market at the very modest pric for it, it will be the most important discovery in th dairy line since the advent of the separator and Bab cock test, and will certainly enable the buttermaker

## Organization of Cow-testing Associations.

A good start was made in 1908 with the organiz great extension of the moversent during the see year, because there is no other line of effort which offers the same possibilities for increasing the proft of milk production. Judging by results obtained else where, and also by the experiences of progressive farm ers in this country, it would seem to be possible to increase the average production of Canadian herds by at least 2,000 pounds of milk per cow per year, by in production would menn methods. Such an increase dairying tion mean an additional revenue from anirying to the farmers of Canada of at least $\$ 30$,-
000,000 a year, without increasing the number of cow The plans for the imprevement The plans for the improvement of a dairy herd need
not be elaborate or expensive, and should take cog not
nizance of the fact that there are good and poor cows. judged by their milk production, in all breeds, and
that it does not follow because that it does not follow because a cow may have a lengthy pedigree that her performance at the milk pail
is up to the mark. There are "scrub", pure-breds as well as common "'scrubs."

- Any scheme which has for its object the improve ment. of our dairy stock must provide for a study, and
record, of the performance of the individual cow, as well as deal with the manarement of the herd, includ
process. Individuality can only be determined by the It and testing of each cow's milk.
It is quite practicable for individual farmers to test orm of co-operation makes the work easier but some and at the same time more useful, inasmuch as each nember of an association has the information relating herds as well as his own.
Cheese factory and Creamery owners SHOULD BE INTERESTED
Owners or managers of cheese factories and cream eries naturally take an interest, in this question, and
there is no reason why testing of individual cows should not be done by the factory management. Most factories have the necessary appliances (except the sample bottles), and the manager is, or should be, more farmer is. It needs no argument to prove that if the patwons of a factory increase the yield of milk from their cows the factory will derive a corresponding beners. It the eftio their my aup the expense of neighboring establishments, were to directed towards securing an increased yield of milk rom the herds already supplying the factories, a more blding and better general resuit would be obtained, and fand individual factory standpoint.
or getting the testing done will bo popular plan organization of cow-testing associations. There are some twenty of these associations. already in existence in the Provinces of Ontario and Quebec, which have
been organized by the members of the Dairy Commisbeen organized by the members of the Dairy Commis-
sioner'g staff, and the number is increasing almost daily. The organization is being effected on the following basis


## RULES AND REGULATIONS

1. The organization shall be known as...........CowAssociation.
fresident and a secretary-tresurer a president, a vice bers shall be appointed to act along with the officers as a committee of management.
2. The officers shall be elected to hold office for 4 The annual meeting shall be held at the call 4. The an
3. Meetings of the committee of management shall be held at the call of the secretary-treasurer. Three members shall form a quorum.
4. Any person who will agree to keep a record of individual cows during the whole milking period, to milk on at least three days every month and also take a sample for testing, will be admitted to membership. The number of members may be limited at the discrethe committee of management. 7. The milk will be preserved and a composite
sample testad once a month with a Babcock milk sample t 8. Members will be expected to provide themselves
with scales, sample bottles, one for each cow, and a with scales, sample bottles,
box for holding the samples.
5. Members shall assume the responsibility of de-
livering the samples to the place where the tin to be done, on such days as may be directed the is person in charge of that work. I am authorized by the Honorable Minister of Agri-
culture to announce that hlank forms plied and that the testing will be done free of charge for the season of 1907 for any regularlyorganized association; the members of the association to provide their own outfits, and the association to
provido a suitable place in which the testing may be A cheese factory or a creamery is a natural center for an association of this nature. The facilities for
testing are available at any properly equipped factory,
and the samples can be delivered easily on the regular milk wagons.
I shall be pleased to hear from any person inter
me
ast in the formation of a Cow-testing Association ested in the formation of a Cow-testing Association,
and I am authorized to say that whenever it is posattend an organization meeting. J. A. RUDDICK

Likes It Better Every Issue.

## In remexing my subseription. wowt sav: Ther



Belle 17525. Jean Armour 15591. Sarah 2nd 13192
Dairy test winning Ayrshires. All bred by H. \& J. Mckee, Norwich, Ont. The last named exhibited by
Hulet; the Aret two by Messrs. McKee. Sarah 2nd won at Ontario. Winter Fair Dairy Test: first 1902: Arat and sweepstakes over all breeds, 1903; second in 1905, and first in 1906. Jean Armour, daughte


Polinters on the Care of Laying Hens. siltor "The Farmor's Advocato
It is now the proper time to have fowl proIt is now the proper time to have fowl pro-
ducing eggs, he the price is high, and, with the
proper strain of fowis and the right feed and proper strain of fowls and the right feed and
care, our fowls should be returning a good profit care, our towls should be retu
for time and money expended.
for time and money expended. The first step in readiness is proper quarters.
These need not bee expensive structures, as some
farmers think, if they are buitt properly, so as to farmers think, if they are built properly, so as to
afford suffcient heat and a good light. Make it afford suffcient heat and a good light. Make it
suffciently large, so that the fowl will have ample sufficiently large, so that the fowl will have ample
space for scratching. Avoid any small cracks or space cres, as these will admit a draft which will often cause great injury to a flock. When the building is fis inhed, then comes the foundation
stock. Many people content themselves with the stock. Many people content themselves with the
old-time speckled hen, because they imagine the pure-bred fowls will involve too large an output to procure, and that.their quarters must be much more elavorace. But allow me to say that al buy a cockerel in the fall to mate with the common stock. In this way the flock will be improving at a cost next to nothing. When you have a
large number of fowl, it is a good practice to cull large number of ow, fow or young cockerels will
them, as many old fow ottan cause a turn in affairs if kept running with
the laying flock during the winter months. These the laying flock during the winter months. These
drones should be sold off at the market during the drones should be sold off at the market during the
fall months and nothing kept but pullets and hens not over one year old.
Then comes proper feeding. Some poultry owners think that if they throw a scuttle of grain
to their fowls and provide them with any kind of to their fowls and provide them with any kind of does not expect any returns from his other stock when cared for in such a manner. Feed the fowl good wholesome food, but make them work for your fowls a and eat variety of grains and green food. Don't fill your fowls up on some sloppy food, as it is injurious. Provide the fowls with a dust-bath, a box of grit, and don't forget to
supply them with fresh, cool water. A hen desupply them with fresh, cool water. A heat benefit from exercise ; therefore, keep her busy scratching by throwing small grains in the litter. Feed regularly, and keep the house in perfect cleanliness, and then you will surely have
abundance of eggs if your fowls are of a good strain. J. W. DORAN
South Renfrew, Ont.

## APIARY.

Michigan Beekeepers' Convention.
Spectally reported for the "Farmer's Advocate."
The annual meeting of the Michigan Stat Beekeepers was held in the upper (northern) part of the State, Big Rapids. The State boasts of some of the best beekeepers in the Union, and the
industry is carried on very extensively, including arge number, particularly in the northern por a large number, particulars is beekeeping
Mr. S. D. Chapman, Mancelona, on the evening of December 25 th, spoke upon the subject of
"Honey Possibilities of Northern Michigan," The representative of "The Farmer's Advocate," during the address, and in a private interview, se-
cured information which not only is of general cured information which not only is of general
interest, but which has a valuable bearing upon interest, but which has a valuabbe bearing upon
the more broken portions of Ontario and portions the more broken porthons province is seeking to settle. Mr. Chapman states that in his section
of country-he resides seven miles north of the $45^{\circ}$ latitude-there are more bees kept than in any other portion of the State. $\begin{aligned} & \text { He began bee- } \\ & \text { keeping in the locality in 1881. } \\ & \text { His honey crop }\end{aligned}$ has been from the wild raspberry, and since that time he has only had one complete failure, and
that was in 1895, when, on May 16th, the temperature dropped to 111, , killing everything; snow
fell, and for three days they hauled logs on sleighs. This year (1906) they had a flood on May a partial crop was secured. He in inge, aning amout
400 colonies of bees. Rasperry in that climate and soil-sandy loam-gives a honey the equal of He has averaged about 100 pounds to the colony, ago, from 82 colonies, spring count, he secured
sper 13,000 pounds of surplus honey this is his best
 his best record yields on raspberry far exceed the best records on basswood One day, from 11
oclock till 4 ondock, a colony gained by actual o'clock till 4 o'clock, a colony gained, by actual
weight, 17 pounds. The bees were not in a large
hive the eight-rame Langstroth being used. weight, the eounds. $\begin{aligned} & \text { trame Langstroth being used. } \\ & \text { hive, } \\ & \text { Sumach, fall llowers and some buckwheat }\end{aligned}$ were Sumach, fall flowers and some buckwheat were
"ow coming in and giving him some more honey,
not rii recently wild-raspberry patches were his til recently wild-raspberry patches were his
Instances were
wren of surplus honey.
In

and wind-break to the
Mr. I A Aspinwell. the National Beekeepers' Association, gave an address upon "The Non-swarming Hive." There is years' experimenting the that, after twenty-five producing such a hive. Only a few leading beekeepers, already selected, will be allowed to test these hives during the coming season.
"Outdoor Wintering," by Geo. E. Hilton, Freemont, Mich., brought out the fact that he
wintered his bees on their summer stands in packed hives. The temperature in his vicinity dropped as low as $20^{\circ}$ below zero. Snow. fell to such a depth that often no hive could be seen in the apiary. He did not remove this snow from
the entrance until weather came that the bees the entrance until weather came that the bbes dant stores, the hive contracted to the capacity of the cluster, enough top-paicking over the liees
to retain for the cluster the maximum heat, vet enough air passing through to carry off the moisene expelled by the bees from the hive and through the packing.
Geo .
Geo. H. Kirkpatrick, Rapid City, in his address, gave his method, and sald that more bee
keepers should retail, by means of a wagon, in town and country, their honey crop. He sold his entire crop to farmers, and had no package smaller than ten pounds,
Remus, gave valuable information to the specia ist. He advocated great care in selecting an advantageous locality.
" "Ripe Honey," an address by R. F. Holter mann, Brantford, Canada, pointed out the im-
portance of having the honey left with the bees until it has properly matured. Thin, unripe honey never has a honey flavor, if thick, even
if from an inferior blossom to the source of the best grades, it was superior to thin honey from clover and the like. A great deall of energy was
wasted in creating a market for honey until this wasted in creating a
policy was carried out
The President, W. Z. Hutchison, Flint, Mich subject of " Fpector of apiaries, brought up the sull that this Foul Brood." It was admitted by gan, and a resolution was passed favoring an in spector for a smaller district, making thirty-two
Mr. Elmore M. Hunt, Bell Branch, the hard working and efficient secretary-treasurer, gave a public exhibition in a
method of handling bees.

## GARDEN 效 ORCHARD

## Horticultural Progress

Macoun, Horticulturist, Central Experimental
the relation of earty maturity t
Excerpt from the Nineteenth Annual Report o
 cation containing definite information obtained a
the Nebraska Experiment Station from exper ments in determining the r
turity to hardiness in trees.
should be carofuly
should be carefully considered an
Canadian fruit-prowers especial
Cinadian fruit-growers, especially in the peach
districts and in the colder parts of the cound where all of the tree fruits are grown with diffi ripened wod will stand the cold better than one
having immature wood. having immature wood. What is proved in this
bulletin is that hardiness in some treas is bulletin is that hardiness in some trees is due
more to the fact that the wool is mature than
that some trees are constitutionally hardier than others treas are constitutionally hardier than trees, some from the Southern and some from the equally as much by spring frosts, while the same equals were affected quite differently in winter
trees
those which had those which had ripened their wood thoroughly
coming through unhurt, while those which grew coming through unhurt, while those which grew
late in the autumn were injured. It is shown
that the hation that the hardiest varieties of apples and plums
are those which ripen their wood early. What is perhaps, the most valuable experiment in this
bulletin is that showing how peach trees which bulletin is that showing how peach trees which
were induced to tripen their wood early by special
methods of culture, stood the winter much bottor than those not so treated. One method of in ducing early ripening of the wood was to plant
the trees on high land, where growth ceased much the trees on high land, where growth ceased much
earlier than on low land where there was more moisture. An illustration is given of tres on
low land which were killed outright and seriously
ini iniured, whit those on high land came through
the winter without injury except for some dis.
coloration tinneath the bark of the twigs other experiment with cover crops gave marked
renults over a period of four years. During that
time the trees in the cover-crop plots stonned time the trees in the cover-crop plots stopped
growing, and ripened the new wood from a fow
weeks to two months earlier than similar trees vation, the result being that in the case of the cover-crop trees there was very little injury, and that most of the terminal huds had started growth, while with trees given late cultivation buds having started growth, and some of the buds having started growth, and some of the length.
Much
Much attention has been given, at the Central Experimental Farm, Ottawa, to the relation
winter apples to hardiness of trees, and the conclusions reached regarding this were given in paper read before the Society for Horticultural logical Society in August. In that paper Pom shown that winter apples are, as a rule, more tender than summer varieties, because the wood of the winter kinds does not mature early. Early
maturity in wood usually means early maturity of fruit.
The useful information published by the Wis-
consin Horticultural consin Horticultural Society in bulletin form, suggests the possibility of the Ontario Fruit-growers Association doing something in the same be furnished to fruit-growers in this way at comparatively little expense, and the publication of bulletins by the Association In the bulletin before us attention is drawn especially to three hardy apples. The Hanko is a Wisconsin seedling, of which the oldest tree is 44
years of age. The fruit somewhat resembles the years of age. The fruit somewhat resembles the
Alexander in general appearance, but keeps in an ordinary cellar till March or later. "In quality it is better than any other apple of Wisconsin origin, and compares favorably with the best
Eastern apples." The Dudley is the Eastern apples." The Dudley is the second vari-
ety referred to, and is described as "an apple of merit for northern Wisconsin." This variety
mhich is and which is a seedling of Duchess, originating in the State of Maine, has been planted to some extent
in Ontario under the name of North in Ontario under the name of North Star, espe-
cially in the Orillia district. At Ottawa the tree has proved very hardy and productive, and the fruit of good size, appearance and quality. It is in season with Wealthy, but does not keep as
long, being past its best by November. This variety is also succeeding well in New Brunswick. unlike that apple in than Wealthy, and is not writer considers it a very promising variety for the North, being evidently as hardy as Duchess. apple, which originated on the farm of Albert Windorf, Stettin, Wis., U. S. It is a seedling of
Northern Spy. The fruit is medium to large Northern Spy. The fruit is medium to large, times red on sunny side. The season is September to October. It is said to be a better keeper Wiscorchard at Wausau, in the northern part of Wisconsin, the Patten (Patten's Greening) has
headed the list for productiveness, with Hibernal second. These are undoubtedly two of the
hardiest apples grown. The Hibernal apple, the hardiest apples grown. The Hibernal apple, the duced considerable fruit in Southern Manitoba, and young trees have borne in other parts of the
Prairie Provinces.

## THE FARM BULLETIN

## King's County, P. E. I.

ter coughtor a was unusually cold and stormy, and win good sleigh roads of the farmers unprepared, but the beneficial effect on trade, and no doubt largely increased poultry trade suffered, owing to the bungling holiday which the winter steamers have been managed. Geese recently slumped several cents a pound. Prices in the
local markets have been as follows local markets have been as follows: Turkeys (drawn),
14 c . to 15 c a a lb. geese (drawn). 9c. 5c. to 7c.; pork, 8c.; beef, 5c. to 6c. in quarters hides, 10 c .., eggs, 20 c c. beef, dozen ; oats, to 6 c . in quarters ; bush.; wheat
75 c . to 80 c .; potatoes, to $\$ 10$. Hay and potatoes ${ }^{\text {rill }}$ baled hay, per ton, $\$ 9$ before spring. The various dairying companies price had a most successful season, the patrons of ones have tory receiving, in some instances, as high as $\$ 1.30$
per cwt. for their milk. In most of the tories we believe they pay by test, hence there is us usally a considerable difference in the prices paid the dif-
ferent patrons. While crops during the were considerably below the average in many sections
still the previling still the prevailing high prices for produce has helped
out the shortage in the crops, and times are fairly good as a shortage in the crons, and times are fairly sheep-raising, an agitation for a dog tax has begun and some have gone so far as to ask for the total think, is the opposite extreme. A good dog is a
valuable help on a farm, valuable help on a farm, and we think a moderate tax
would send many curs to an early grave. On all
sides we hear expressions of admiration for your
Citer sides we hear expressions of admiration for you
Christmas number, all pronouncing it " the best yet."
P. E. I.

## Township School Boards．

Quit Yer Crumblin＇
Editor
 The last page has dootless sae mony blots that ye
canna＇weel mak＇oot onything mair，but nevertheless
 a few words frae an auld sinher like mysel＇，wha has
had consederabe experience in the makiin an＂breakin＇
o＇gude reesolutions will no no＇ome mamiss at the present
 It＇s an easy thing tae give gude advice，but an
unco＇bard thing to tak＇it，an＇sae ma friend ye ken
 when his mither was gie＇in＇him a skelpin＇，an＇the
same is true an to odvic．So wi＇yer permission 1 ＇ll
juist be giein＇ye a few pointers for the comin＇year， juist be giein＇ye a few pointers for the comin＇year，
which ye may tok＇or teane as sutity ye best，an＇na
harm will be done，espeecially gin yo tak them．

 hae been gettin＇fancy prices for a gude mony ó the
things we hae been sellin＇the past year，but if，for thing we hae been seliin＇the past year，but if，for
instance，ye say to ano ${ }^{\text {a }}$ ，oor dairymen that thirtoen
cents a pound tor cheese may depend on it he＇ll say：©，aye．but ye ken
there＇s na grass the summer ava．any its no＇muckle
 are mucka like the mon trae Bocton，wha they Bay
cam＇tee the gate ${ }^{\circ}$ henvan an＇asked for admittance． st．Peter made some inquiries，an＇when he ken＇t he
was trae Boston he said，＂Weel，ye may come in，but rm almaist sure ye will na＇like it．＂，Sae，my friends， an＇let us mak＇the best oo what we hae，an＇，gin we
will juist but get the habit $o^{\prime}$ contentment we＇ll hae＇ Of coorse we may gae to the ither extreme an＇，get
intao the habit $\mathrm{o}^{\prime}$ braggin＇aboot $\mathrm{a}^{\prime}$ we hae an＇ $\mathrm{an}^{\prime}$ we are daein＇．I heard，some men the ither day tellin＇
ane anither aboot the weight o their turkey，an＇ane
o＇them called one o the ithers and liar．， mon！＂，said an ould chap wha was standin＇by，Hoots
canna，expect a mon the tell the truth when he＇s alk
inn aboot the weight 0 ＇his turkeys．but him a leear，he＇s an optimist．＂＇，
An＇noo for the second pointer，an＇it is ane the
 cation continue through life Maist o，us got a start
in the little auld log schoolhouse，which was mair ${ }^{\prime}$ a tanery than onything else．，utut hoo mony $0^{\circ}$ us are keepin＇up the process oo edication in a way that we
mimht easill dae if we had ony ambition．，The trouble
is that to mony
 we hae＇for onything better than the makin o the
amimhty dollar，so that we may be sure to hae enuenh
to supply oor bodies wi＇food an＇claes，while at the

 na＇need tae be prowlin＇aroond the barn half the
nicht wi a antern，an then ye will hae the time tae
spend on some gude book or magazine or paper，or spend on some guta book or magazine or paper，or
耳in ye are an auld thechelo ye may writa a letter tae
yer lassie，which will be a gude lesson in composition



 mak＇yer money，it＇s muckle waur for，ye than for
them．${ }^{\text {First }}$ get control $\mathrm{o}^{\prime}$ yersel＇，an muckle better chance to control ler bee bests．
An＇noo for my last pointer，which is ga juist i word in private tae the farmer wha is marrit，
an＇ juist wantin＇tae speak tae ye aboot yer wife．Farm－ ers＇wives in this country have na＇been getting a fair
shake，if $T$ m ony judge．They get up early and they
gao te bed gae tae bed late，an＇they wark like slaves，an＇hall ${ }^{\circ}$＇
the time they have a cryin＇bairn on ane arm，while they do their neverending wark wi＇ the ither．Na＇wonder that sae mony o oor farmers＇
wives are in the asylum，an sae mony mair wishin．
 the farmer wha is comparatively yeel ofl the remedy
is eany to is easy to prescribe，but apparently hard to tak＇，
jugkin＇be the few that do tak it，namely，get yor
wife a hired girl．Where the farmer canma＇weel afford Whe a hired girl．Where the farmer canna＇weel afford
this expenso，he can still mak＇the wark $\mathrm{o}^{\text {a }}$ his wite less if he wad be juist half as thoughtful o＇her weel－
fare as he was before he married her．There is na a happier existence on this earth than life on the farm
gin the wife an＇husband are conseederate ful o＇ane anither，an＇dinna＇be tryin＇to dae all the wark so as to leave naethin＇for their children to dae na＇use common sense they can mak an＇farmin＇wife will
very purgatory．Young man a very purgatory．Young man，when ye marry see that
ye tak＇yer wife intae partnership an＇not intae slavery．Let her share yer affection an yer money as
weel as yer troubles， find her a gude partner an＇ll be mair than likely to fare o＇the firm as yersel
as there＇s naething worse had better come tae a stop， advice，unless it＇s not takin＇it．But if ony o＇ma brither farmers get ony material for guid resolutions
for the New Year in what I hae said，my object will be gained．Ye can tak＇it for what ye think it＇s ither use for yer money． An sae，wishin＇ye all success durin＇the coming
year in the carrying on $\mathrm{o}^{\prime}$ yer business an＇the carry－
ing out $\mathrm{o}^{\prime}$ yer guid resolves 20th－century Postal Service in Huron For forty－five years we have had a regular and
well－conducted mail service to Marnock from Beldrarve wel－conducted mail service to Marnock from Belgrarve；
distance， 3 ．miles．The mail leaves Marnock about
two o＇clock，and returns five in the evening，losing the greater portion of the afternoon，and for which the mail carrier has received
the sum of $3 \delta$ cents and a fraction per trip．During all those years the mail carrier and postmaster has
been the same person．Now，owing to old age has infirmities he cannot carry this mail any longer．He cannot engage anyone to carry it for any such re－
muneration，and，as a consequence，has sent in his
resignation，which has been accented resignation，which has been accepted hy the Post－offlice
Department，and in accepting it，asking him to send in the office equipment after the 31st of December， 1906 ． In other words，the office is closed．The Post－office
Department did not ask for．tenders for carrying the
mail or keeping the office
 is going to be a serious inconvenience to us to get our
mail matter，and compelling us to reduce our news－ papers and correspondence to a minimum．A magazine will be at a premium，and a daily paper an unheard－
of luxury．A return to some of the hardships A promise was given some time ago，in answer to the agitation for a rural mail delivery，that the Post－
office Department could not anford the cost，but would
increase the number delivery of mail matter，and this，I suppose，is the fulfilment of that promise．
I do not know what the intentions of the post－
office authorities are in regard to this matter，but a
bone．


## Ontario Veterinary College

$\qquad$
he following gentlemen mer．Staunton，Va．i：Ralph Waldo Clere，Syracuse，N． Flanagan，Boston，Mass．；Harry W．Wraham，St
Catharines，Ont．；Charles F．Hershey，Frie，Pa．；Danie James Holton．Winsted，Conn．；Joserh H．Jefferson，
Alhion，N．Y．；Oscar W．Leach．Hartford，Wis．；Nathaniel McCarthy，Cobourg，Ont．；Bennett Porter，Albert Lea
Minn．；B．F．Riceharger，Gilead，Ind．；Fred H．Sewand Minn．：B．F．Riceharger，Gilead，Ind．；Fred H．Sewand，
Waallacebur，．Ont．；Georre S．Smiley，Rawdon，P．Q．：
（G．Earl Spencer，Craik，Sask；；W．Stanley Thompson，

According to the Public School Act of the Provinc of Ontario at present，each school section in each town－ ship has to be supplied from the total assessment of called general rate．This is done for the purpose of equalizing the rate；wealthy sections to help the of equalizing the rate；wealthy sections to help the
weaker or poorer ones，as the case may be．Note how this scheme equalizes
In Osgoode Township，County of Carleton，there are
24 public schools，consequently twenty－four times $\$ 300$ 24 public schools，consequently twenty－four times $\$ \$ 00$
is levied and collected to pay the general rate，which amounts to $15-10$ mills on the dollar．School sec－ tions requiring more than $\$ 300$ to pay their expenses have the extra amount collected by a levy，called
section rate．I have chosen the two lowest assessed section rate． 1 have chosen sections to show how
and the three highest assossed sect the equalization works


The $15-10$ mills on the dollar is not included in the section rate．The boand of trustees for each
school section is composed of three members．Said boand asks the township council to provide the amount they require for the current year to pay all expenses， which has to be done．School sections Nos． 1 and 14 did not require any more than the general rate pro－
vided，consequently they have no section rate to pay． During the past ten years or more various amounts have been tried under the school act as a general bulk rate in order to equalize，and，in practice，the result is those amounts have not had the desired effect： First was no general rate at all；next，the sum of
$\$ 100$ for each school section，then $\$ 150$ ，and this year $\$ 300$ for the first time，and they are all far from equalizing．
Would
Would it not be better to manage the schools as all other municipal business is done，viz．，by a town－ ship board，composed of a limited number of trustees， member retiring each year－except a greater number， say nine trustees，or fifteen in each township？Then either three or five would require to be elected each year，on thila and by ballot，all expenses ballots，to be paid by the township council．The town ship would require to be divided into either three or five wards to carry this into practice
We have all due respect for those who framed the sections．No doubt it was the best way at that sub－ because the clearings were very scarce，and each settle ment required a school for the youth of the settlement． But to－day we have a changed condition of affairs；the
woods are more scarce than the clearing amare woods are more scarce than the clearings were then accordance with modern conditions，financially and accordance
otherwise．
There
would be many reasons why a township board for all the schools．teachers could bought（en bloc） at any time，thereby saving a lot of expense for baser to choos．We would have a better selection of teachers odeose from．Schools could be built according to tion．We have not the old log school to and ventila－ the children warm，nor the woods to break off the keep winds．The township secretary could act as secretary entire township．and one treasurer would serve for the During
tended them all，viz．．，the priteachers，and I have a separate school teacher，and the public teacher，th the teachers of the Holy Onders are the best，becaus ennobled and consecrater mind and soul．Education ter class of citizen．Not only the will give a bet－ present）but the will should be cultivated．It will in the act nothing to gain dollars and lose his soul an aged married obtaining them．Next to Holy Orders a parental supervision over the youth．He is more up to by the child or youth as their superior looked separate schools cannot be maintained in a mixed com munity of sparse population without weakening each
other，then the next best is a public other，then the next best is a public school，and lay
teachers for all． School sections
o pay，only $1 \quad 5-10$ mills on the dollar section rate keneral rate，but they receive the $\$ 300$ the same as all having had a first－rate teacher for a a marked career paying him the sum of $\$ 500$ per annum，many years them only 1 i $3-10$ mills on the dollar this year．They pay only $\$ 450$ ，and yet have a teacher of first rank more，but do not secure correspadinay as much or is far from being equal rates for all section This

University, Montreal : His Honor Judge McTavish, senior Judge of Carleton County, and Hon. Ml. Ruther-
tord, Premier of Albertá Province; and $\mathbf{t n e r e}$ are many lond, Premier of Alberta Province; and nere are many
others to follow. This school has a teacher of the first rank, and it costs them by far less than the average rate of all the schools.
What surprises me most is that those of the learned
professions who have the ability do not take a muore professions who have the ability do not take a more
active part in advancing the educational interests of the home of their school days, and also that of agri-
culture. This does not apply to farmers' sons who are resident in the City of Ottawa, with its high-toned society to keep pace with. They have to attend the
grand opera, the club, and society "functions," such arand opera, the club, and society functions, the such of the ungrateful farmers' sons, please take a hint, and show an active interest in belping the old folks at ome
A township board for the future, and an equal rate for all, I believe in the Province. I feel, are in the same position, and many
Carleton Co., Ont.
[Note.-Another inequality, apparently not contem-INote-Another inequality, apparently not contem-
plated by the framers of the School Act, arises out of the different rates of assessment prevailing in different

## Meat and Canned-goods Inspection.

Hon. Sydney Fisher. Dominion Minister of Agriculcure, has introduced two important bills at the present
session of Parliament. One is for a system of bonuses to cold-storage warehouses. This was outlined in our Christmas number. The other bill is one providing for The proposed act provides that the Minister may order the inspection of all animals intended for slaughter in any establishment. No animal is to be allowed
to enter a slaughter-house unless it has undergone into enter a slaughter-house unless it has undergone in-
spection and been foupd healthy and fit for food. Every animal affected or suspected of being affected Every animal afiected or suspected of being affected under supervision and disposed of as provided by the
regulations. Provision is made for the inspection of regulations. Provision is made for the inspection of
carcasses of all animals intended for export wherever slaughtered. Slaughtering by farmers and retail butchers on their own premises is not subject to in-
spection unless otherwise directed by the Minister. spection unless otherwise directed by the Minister.
Healthy carcasses are to be marked by the inspector but their disposal is subject to further supervision. The following clauses are of special interest articles prepared for food in any establishment and aecked in cans or similar receptacles, or in any pack-
age whatever, shall be subject to inspection during the age whatever, shall be subject to inspection during the
whole course of preparation and packing, and all such packages shall be marked or labelled in such manner as the Minister directs ; provided that no such packages, except packages of meat products, shall be marked by the inspector, and that no package of meat products
shall be so marked unless the inspector is satisfied shall be so marked unless the inspector is satisfed
that all the requirements of this act in reference there to have been complied with. "The inspector may at any time reinspect a carcass
or any portion or product thereof in order to ascertain or any portion or product thereol in order to ascertain
whether, subsequently to the first inspection thereof, it has undergone decomposition, or has otherwise deterior-
ated. or has been tampered with or adulterated by the use of preservatives or otherwise
"Every carcass or portion or product thereof sent
nut of an establishment and returned thereto for any
purpose shall not be again sent out therefrom without reinspection.
" Every carcass or portion or product thereof found
upon inspection or reinspection to be unhealthy or unfit upor fospection which contains such ingredients or pre-
for forvatives as may render it unfit for food, shall be
serval marked by the inspector in such manner as the Minister
directs, and shall thereupon be deemed to be condemned directs, and shal thereuphall be disposed of as provided by the regulations. Any person slaughtering animals
and selling or offering for sale or transportation or
for export a carcass or any portion or product thereot
which he knows to be unhealthy or unfit for fod which he knows to be unhealthy or unfit for food is
guilty of an indictable offence and liable to one year's guilty of an indictable offence and liable o one year
imprisonment. Every one who is convicted of this
offence after a previous conviction for the same crim shall be liable to two years' imprisonment. All fish.
fruit or vegetables used by any establishment where these articles are prepared for export shall ar sou
wholesome and fit for food, and any such articles
products thereof found in the said establishment products thereof found in the said estabishment
sump or unwholesome shall be conifcated and de-
stroyed as provided by the regulations." An inspection and close supervision of the sanitary
conditions of any establishment may le ordered, and conditions of any establishment may ire ordered, and
where such conditions are not up to requirements the
inspection or marking of articles shall inspection
compliance
compliance with the provisions of the act or with an
regulations, or with the lawful instruction of an in regulations,
spector, may
spector, may lead the the elosing of an establishment
The acceptance for to inspection
the act have be
tion of an inspector's..rrtificate. Notwithstanding
chese provisions, the Ministor. whenever necessary advisable to do so, may anthrize export of article without inspection. No articl. subject to inspection
deceptive title. Tampering with the marks on anv Ontario Veterinary Association Annual rricle is made punishable by fine. An inspector ap- Meeting.
or premises, or any steamship, vessel or boat, or any carriage, car, truck, , borsebox or other vehicle used for the carriage of articles subject to the provisions of the
act. but if required is to state in writing his grounds

Canadian Jersey Cattle
Club Ammal Meeting.
$\qquad$ The seventh annual ineeting of the Canadian Jersey Cattle Club was held in the Temple Building, Torember 31st. There was a good attendance of breeders.
The President. The President, Mr. R. J. Fleming, in his opening by the breed among the dairymen of the country, and the increasing demand for bulls, especially from cream-
ery sections. He also claimed that as a family cow ery sections. He also claimed that as a family cow the Jersey is par excellence, being docile, easily kept,
and giving more than the average amount of the and giving more than the average amount of the
richest milk 335 days in the year: many cows have richest milk 335 days in the year, many cows have years, and drop a calf each year. It is also encouraging to note that many of our wealthy men are
establishing Jersey herds. Mr. McKenzie, of McKenzie establishing Jersey herds. Mr. McKenzie, of McKenzie
$\&$ Mann, has lately imported some nineteen head from the Island; another enterprising farmer is about to leave for England to purchase some 30 or 40 females
as a foundation. The introduction of this new blood as a foundation. The introduction of this new blood
should make an interesting contest at the coming exshould m
hibitions.
hibitions. Secretary reported that comparatively few breed-
The ers had as yet registered their cattle in the Canadian Herdbook, being loath to break away from the wealthy
and influential American Jersey Cattle Club. He urged and influential American Jersey Cattle Club. He urged
the breeders present to at once register their cattle at Ottawa, and by so doing place the club on a strong financial standing, and then there would be some money
to devote to furthering the best interests of the breed to devote to furthering the best interests of the breed
in Canada. Some of the members present thought the Club should ask the American Jersey Cattle Club for a grant for prizes at the Toronto Exhrbition, especially as the American Club has received thousands of dollars since 1872 in fees, etc., from Canadian breeders; but
the majority opposed the suggestion, feeling that it would be better to encourage our own herdbook. was explained by the Secretary that cattle registered in the A. J. C. C.

## C. at a reduced fee F. w. Hodson

F. W. Hodson spoke strongly in favor of the Ad
vanced Register, and urged breeders to enter their cows fanced Register, and urged breeders to enter their cows Advanced Register would be eagerly sought after by the dairymen of the country. He also stated that tod
much attention in the past had been paid to show ruch atention type and not enough to performance. This state-
ring tyent was refuted bv the President. who mentioned a number of first-prize cows that had phenomenal records at the pail and churn, showing that it is quite pos-
sible to combine beauty and utility in the one animal. A committee, consisting of R. Reid. T. Porter and
H. C. Clarridge, was appointed, to take charge of the placing of representatives of the take charge of the
tests held in various narts in the dairy tests held in various parts of the country.
The Club again condemned the short-term tests as The Club again condemned the short-term tests as Mr. H. B. Cowan addressed the meeting in the in terests of a National Nairy Show, and asked that the
Club appoint a committeo to confer with representatives from the other Hairy breed associations, to form-
ulate a plan for the establishment of a dairy exhibia committee to represent the Club.
It was derided to ask the board of the Torontr Fxhinition to give a prize for a herd, consisting of
aged bull and four females in milk President-R. JFFICERS FOR 190 ? Mces-Untario, D. Duncan, D. O. Rull: Quebec, W. H
Martin. Warden. Maritime Provinces. W. McMonwie F.dwards. Soliris: B. C..to be appointed No the
President and Secretary. Sec.-Treas.-R. Reid. Berlin
Roard of Directors-R. W. Hodson. F. I. Green. T
 Reid: Shark: London, H. C. Clarridge: Wimipeg. R The Strattowt \& St. Josenh's Radial Railway Com any is applying to Parliament for a charter to build quhar. Fxe:ent Hengall. Zurich and St. Soseph. Thence
southerly to (:and Bend. in the Township of Stephen

 names son ath youl inerased success in your

## association was hold

 the Ontario Veterinary College, Toronto, last mon There were members in attendance from a 1parts of the Province. and some from the Unite States. The President. Dr. L. A. Willson, V.S., of Aurora, opened the meeting with a short address, thal was received with applause.
The Secretary, Treasurer. Registrar and Auditors reports were received and adopted, showing that ther was then in the Treasurer's hands the sum of $\$ 34.31$ Nine new members were proposed and accepted. Dr. Rutherford, Veterinary Director-General for the Treasurer of the Veterinary Organization Committee the sum of \$656.63
Dr. C. Elliott gave a verbal report of the proceed ings of the Veterinary Organization Committoo; also Dr. Rutherford and Dr. Andrew Smith spoke rolating to the action of the committee and its results, and motion was subsequently adopted, tendering thanks Dr. Rutherford for the stand he has taken in endeavor ing to elevate the profession in the Dominion.
After luncheon a case of paralysis of retractor mus cles of the penis, with excessive swelling of that organ was exhibited in the college infirmary, and the opera formed Aormed by Dr. W. J. R. Fowler, Demonstrator of Mr. C. G. Saunders, veterinary student, who adminis tered chloroform, and who has had considerable experience in producing anæsthesia with chloroform. Thi operation was viewed with much interest by the mem bers. The animal is now doing well.
Dr. A. A. Grange, V.S., of New York, whe gradu-
ated from the Ontario Veterinary College more than ated from the Ontario Veterinary College more than
thirty years ago, read a very interesting paper on motor stirty years ago. read a very interesting paper on motr
stimulants. which was sometimes given to race horses stimulants. Which was sometimes given to race horses
with the object of improving their racing powers (called by racing men "Doping"). He described the ac
tion of the drugs commonly used, and the condition tion of the drugs commonly used, and the condition and symptoms they produce. He also gater
modes for detecting their administration.
Dr. Rutherford gave an interesting and instructive
address. mentioning the similarities of the disease Cdress, mentioning the similarities of the diseases
Surra ". and Dourine", (or mal du coit) in the astern and western hemispheres, but the marked bac teriological differences that are found in Manitoba and
the adjacent Provinces from those in tropical elimates and in the eastern hemisphere. He also mentioned that Dr. A. E. Watson, of Lethbridge, Alta., Quaran-
tine Station, had reported to him. in a letter dated ine Station, had reported to him. in a letter dated
Necember 3rd, 1906, the finding of Trypanosomata the blood of the cotton-tail rabbit (Lepus Sylvesticus) of that district. Thic is the first record of the finding Trypanosomata in mammalian blood in Canada.
Dr. Duncombe, V.S., read a good paper on castra ion. He gave an excellent description of his method
if operating in the standing position, and advocated operating in the standing position, and advocated The subject of the so-called " Veterinary Corre pondence School" was then brought forward, and in stitutions of that character were very strongly repro
bated by many members of the profession. A motion was passed that the sum of $\$ 25$ be ap
propriated for a medal. to be presented for competition to the graduating class of the Ontario Veterinary ConlThe following is the results of the election of omS. Stratford: 1st Vice-President. O. H. Duncombe. V Welland: Secretary, Treasurer and Registrar,
Heath Sweetapple. V.S. Toronto: Assistant Secretary

C. N. R. Extension in Ontario. Toronto to Hamilton. Brantford, Woodstock, In

$\qquad$ sen Sound to Waterloo. Berlin, Mount Forest and Owen Sound to Collingwood, and a junction in the
Township of Pickering with the main line east Kincardine to Barrie. Orillia and Washago, from
hich latter place there will be an extension to the Pembroke to Peterboro and Cobourg.
Arnprior to a point on the St. La wrence in Loeda Hawkesbury to a point of junction with the mail

## ANUARY 10, 1907 <br> THE FARMER'S ADVOCATE.

## Story of Victoria Cross.

 Forthe croyal crown and the words inscribed under which occupy the
center of the bronze Maltese cross center of the bronze Maltese cross forming the
noble decoration instituted by the late queen in noble decoration instituted by the late queen in this "valor" means not only reckless courage, all his pride in humanity. For, over and over a field of disaster turns back from safety to res cue, in the face of fearful odds, a wounded comrade. Caste does not count in these deeds, of ficer or private, each risks life for the other with Charles Davis Lucas, mate, on board he
Majesty's steamer Hecla, in the Crimean Wa period, received the first Victoria Cross. It was during the bombardment of Bomarsund that a
ive shell was thrown by the enemy on to the
deck.
Mate Lucas picked it up and threw it over-
board as if it were a football-showing a spirit board as if it were a football-showing a spirit
which afterwards carried him through the service to the rank or rear admiral. Captain William Peel, who lifted a shell with its burning fuse from among several powder cases outside the magazine ing the magazine itself and the lives of many men. The shell, it is said, burst as it left his hands. Crimean furnished a long list of Victoria
The Crise Cross men-English, Scotch, Irish-who more
than met the necessary qualification of ".conspicuous bravery or devotion to the country in A fine thing is remembered of Lieut. (after-
ward Major-General) Teesdale, who, after gallantward Major-General) Teesdale, who, atter gallantrible risk to himself," flung himself among sever-
al infuriated Turkish soldiers, and prevented them from killing wounded Russians lying
outside the works. Mr. Wilkins notes that this act of courage and humanity was witnessed and
greatfully acknowledged by General Mouravieff, he Russian commander
er of wearers of the decorationg to the num William McBean, of the Ninety-third Highlanders,
was the man who, unsupported, attacked and walled eleven of the enemy in the main breach of the Victoria Cross. Inverness plowman before he enlisted, and rose from the ranks to command the regiment, and died a major-general. It is said walked with a rolling gait. and the drill corporal was rather abusive with him when learning his
drill. At last he became so offensive that andrill. At last he became so offensive that an-
other recruit proposed to McBean, who was a other recruit proposed to McBean, who was a
very powerful man, that they should call the
corporal behind the canteen in the barracks yard corporal behind the canteen in the barracks yard
and give him a grod thrashing, to which proposal McBean replied : ": Toots, toots, man ! That would never do. I am going to command an ill beginning to Le brought before the colonel for thrashing the drill corporal.", McBean kept his purpose, and did live to command the regi-
ment, going through every rank from private to major and general. place and period was " Lucknow" Kavanagh, a civiliam who, stealing in disguise Through the Sepoy lines, carried to the relieving force out-
ram's plans for concerted action, and who guided
its columns to the residency by a safer route han they would have otherwise taken. A more thrilling story even than this is told, of another
civilian who won this decoration in a night of dauntless heroism. This was Ross Louis Mangles, with a little force sent to relieve the garrison at
Arrah-a garrison of 65 men , holding out against Arrah-a garisen mutineers. The relieving wriv fill into an
ambush, and was obliged to retreat under a
amerciless fire from the Sepovs. Mangles was merciless fire from the Sepoys. Mangles was
wounded at the first attack, but disregarded his
own hurt to help the surgeon in caring for the others who were injured.
He was a magnificent shot, and kept a hot fire from his post upon the enemy; a little knot eventh had teen shot, and as he laid on the ground implored Mangles not to leave him, well knowing that death, not in too fast or painless a
manner, would be his on the arrival of the mutimanner, would be his on the arrival of the muti
neers. Under a hail of lead Mangles turned to the
man, bound up his wounds, and thotigh no food had passed his lips for twenty-four hours, and no sheop upon he his back and marched away with him. The man he carried was as big as himself; the
ground over which he marched was swampy,
rough and dangerous, yet for six long hours did rough and dangerous, yet for six long hours did
he tramp, only putting down his heavy burden e tramp, only putting down his heavy burden
o stand over him firing at the harassing enemy
keep them in check and enable him to accom-
plish his act of mercy and of love. At last he reached the river, into which he plunged, hold-
ng up his comrade until he could get him into a boat. when, under medical care, his life was eventually saved. This story of as fine an act of
English heroism as has ever been recorded, was only brought to light by the surgeon, to whom the man recorded his marvellous deliverance. It was not until a year had elapsed that the Governor-General heard of the deed, about which
no word had been breathed by the young magisno word had been breathed by the young magis-
trate. It was then at Lord Canning's emphatic rate. It was then at Lord Canning's emphatic
request that the V. C. warrant was ordered to
include not include not only military and naval men, but "soldier-civilians" like Mr. Mangles. He and
" Lucknow ". Cavanagh were the first of these to "Lucknow " Cavanagh
He is to be pitied whose pulses do not hasten over the story of the famous defence of Rorke's
Drift, when four private soldierc-Henry Drift, when four private soldiers-Henry Hook,
John Williams, and Robert and William Jonesheld the burning hospital against the furious Zulus, and saved most of the wounded. Hook and Williams were the only unhurt men in their part of the building, and were forced to escape from room to room, ca win the wounded one
by one in their arms. The rooms had no intercommunication, and so one man cut holes in the partition with a pickaxe while the other held the outer door, riffe in hand. The last room nearest
the laager had for its only exit window so small that Williams was obliged to enlarge it with his pickaxe to get the wounded through it. Hook, meanwhile, defended the hole in the
wall through which they had come, the Zulus stabbing at him through blinding and almost suffocating smoke. When the window was enenlarged Williams lifted the patients through into the lauger. Then he himself followed, pulling rush of the Zulus. Hook's heroism won him not only the Victoria Cross, but a substantial promotion, and later a post on the staff of the Brit-
ish Museum. He died in London a short time

## To Our Subscribers.

Have you sent us your renewal subscription for 1907? If not, don't delay. We also ask you to take notice and see if the address label of your paper is changed within three weeks from date of remitting ; if not, write us, giving full particulars
writing us, please deal with only one subje nam each sheet of paper, a sheet. . Our special offer to old subscribers to get their own subscription free for 1907 is still good. If you have not yet secured the two new names, start out for them to-day. The magnificent Christmas number will be sent to all new subscribers while the supply lasts. We have received hundreds of flattering testimonials about the Christmas number, many saying that it is the best published in America for 1906. The cost of the illustrations and artists work alone in the Christmas number amounted to over eighteen hundred and fifty dollars.
Mr. Jas. S. Black, of Bexley, says : "We should surely rejoice to get the best farmer's adviser and instructor printed in Canada once a week for only $\$ 1.50$ per year, with such a beaubiful Christmas number

To Develop an Irish Draft Breed.
According to a report of the Unitod States Consul
Cork, an effort is being made to perpetuate the old
 Irish type of draft horse, the distinctive type and char-
acter of which have been threatened by infusion of draft blood from across the channel. The horse sought is one standing at least 15 hands high, and displaying
evidence of capacity for farm and harness work Own evidence of capacity for farm and harness work. Own-
ers of suitable mares are invited to present them for inspection, looking to enrollment in a new studbook. It is stipulated that the mares must show no evidence
of Clydesdale or Shire blood, presumably to avoid the element of variation or departure from desired type which such breeding would probably introduce. Irish draft stallions selected under the scheme, to offer the produce for future inspection, and to keep ap-
proved foals for breeding purposes.
The Department proved foals for breeding purposes. The Department of
Agriculture will provide free service for approved mares

When Grandma Went to School.
ich and rare, and an old gray, gentle mare, -
the unforgotten pleasure when your grandma went enother song was singing, both our hearts were blithe and gray ;
whenever, bright and early, I would call for her. hhe'd say,
shatisfaction, " Bin, $\mathbf{I}$ 'm sure you're very away we'd canter, slowly-she in front and I be-hind-
laden lane.
laden lane, country turnpike, on the hot and duaty omehow, she'd seem ough the midway pool,
overcome with fright,
I'd tell her not to worry, but to " grab and hola e tight !
ow our voices rang with gladness, how our laughter mocked the birds,
the love that lit our fancies seemed too deep for empty words :
the other boys, in envy, lured mie on to breal each rule,
to know trancing joy 1 felt when grandma went to school ! locks to gold ! Let me live once more the love-life of those dear, dend
days of old !Not these dim, delusive day-dreams-dream too beaut When the heart is painting pictures of the plongures that

Just to see her, trim and dainty, in her littlo gingham gown,
Just to hold her hand in mine, as then, and read hor eyes of brown,
Just to hear her say she loved me, and to answer her caress
a something less than heaven, perhaps, but something more than "yes."
How that old emotion haunts me ! How I thrill at How I feel a youthful flutter, as her fairy foatures alt Through the softly swaying shadows, where the locupt blossoms wave,
rough the moonlight of from the grave !
: the old gray mare is waiting, and the morning And the is high, I see the same old turnpike, meadow, Main and ny fancy calls her back from heaven to ride with my fancy calls
me to school.

## -Robert Mackay, in succese.

## On the Hills of Long Ago.

Your cheeks were winter roses,
Beyond the pasture-hara :
Your laugh was sweeter music
Than any bird had oung,
And, oh, your heart was wild and trea
We sought the berried holly,
The beaded mistletoe,
With feet that never wearied Across the Christmas snow. And climbing, climbing skyward. Just at the end of day,
How many a league below How many a league below:
We leet the world away :
Firelight to-night-and ashies,
Firilight to-night-and ashios
Yet still, as the Yulo-log dios
I wait for your girlish laughter,
I see but your trank brown eyes.
Somewhere beyond the darkness,
Somewhere you wait,
The step of your wissing playmate
over the Comen
Over the Christmas snow.

## Fairs and Exhibitions Meeting.

The annual meeting of the Ontario Association of
Fairs and Exhibitions will be liedd in the City Hall. Toronto, on Wednesday and Thursday, February 20 the
and 21 tst. and 21 st. Arrangements have beon, maderury with the
Fastern
Canadian

## THE FARMER'S ADVOCATE.



MARKETS.

## Toronto.

live stock
Reoeipts have been light at the City
and Junction livestock markets during and Junction livestock markets during
the pait week, not more than 100 car-
loads being oferod, mall told. The bulk loads being offered, all told. The bulk
of tiz cattle were of the export class. Trade was good in all classes of liv
stock, with orices firmer for shipers.
Exporters.
 84.60 to $\$ 4$
$\$ 4.25$ per cw

 to 83.50 ; common, 83.25 to $\$ 3.50$; cows
$\$ 3.25$ to $\$ 8.75$; canners, $\$ 1.50$ to $\$ 2$ per Feeders and Stockers.-Trade dull. Few
offering, and seemingly
fow
wanted

 for common to $\$ 3$ and $\$ 3.25$ for good.
Milkers and
Springers.
Only a
a limited Milikers and Springers, -Only a limited
number were offered, which were of number were oriered, Which were of
medium quality $\begin{aligned} & \text { generally. } \\ & \text { trom } \$ 35 \text { to } \$ 50 \text { each. }\end{aligned}$ Prices rauged Veal Calves.-Few offering; market now and again at $\$ 7$ per cwt.

 the latter price being paid for choice lots of ewes and wethers for export purposes.
Hogs.-As predicted in our last leter. Hogs.-As predicted in our last letter.
prices have again advanced 25c. per cwt. Selects are frim at $\$ 6.40$; lights and
fats, $\$ 6.15$ per cwt., with market firm. the country $\$ 6$ per cwt., at their nearest point of delivery
Horses. $-A t$ the Canadian Horse Ex. change, on Monday, Mr. Carroll con
ducted a very successul sale, it beiug the last of the year. The horses offered, and sold at about the of good quality,
as for last
the ors as asking too livish lrices.



## mixed, Rye. $-71 \mathrm{c}, \mathrm{c}$

Barley. - No
No. 3 , sellers
Peas. - No. ${ }^{2}$
Buckwheat.-
Rran.. -818
Shorts. 820
${ }_{t}{ }^{\text {Flour-Manitoba }}$
pateants, $\$ 2.70$ bid
patent.
bakers',

COUNTRY PRODUCE


Montreal.
were in good shape last week. Glasgow
reported a keen demand for good stock over two hundred Canadians being offered. Prices ranger from 13 c . to $13 \frac{1}{\mathrm{c}} \mathrm{C}$. per 1 lb pool cabled Canadian steers at $11 \frac{1}{1}$ c., and ranchers at 10 ct. In Montreal offerings cattle, 4 kc . and $4 \% \mathrm{c}$. per lb.; good
 choicest stóck, 6 c . and c . per lb. to 4 c ., anging down to $5 \frac{1}{2} \mathrm{c}$. For some time wast the receipts of hogs has been very
ligni, and fhe market has soown a
tronger tendency. dom o bic. per lb., for selects, weighed off
to 13 c c. for spiced roll, boneless, and 15 c .
for finest smoked. Barrel pork is rather
ditl

| to $13 \frac{1}{\mathrm{c}} \mathrm{c}$. for spiced roll, boneless, and 15 c . for finest smoked. Barrel pork is rather dull at $\$ 20.50$ to $\$ 23$ per bbl. Lard is 12 tc . to 13 c . per lb . for pure. <br> Poultry.-The market for poultry is now dull. Quite a lot of holiday stock was carried over by merchants. Good stock might now be had for 10c., while good turkeys would not bring more than 12c. to 13 c . Finest chickens are offered at Ducks are considered to be worth about $11 \frac{1}{\mathrm{c}} \mathrm{c}$. per lb. With an improvement in the weather, a better market is looked for. In a few days, the holiday surfeit will have passed, and the market will | Chicaso. <br> Cattle-Commen to prime steers, \$1 $\$ 7.20$; cows, $\$ 2.75$ to $\$ 4.75$; heil $\$ 2.60$ to $\$ 5$; bulls, $\$ 2.46$ to $\$ 4 . . \mathrm{i}$ calves, $\$ 2.75$ to $\$ 8.50$; stockers and f.e ers, $\$ 2.40$ to $\$ 4.50$. <br> Hogs.-Good to choice, heavy, $\$ 6.45$ $\$ 6.50$; strong-weight butchers', $\$ 6.40$ $\$ 6.50$; packing, $\$ 6.30$ to $\$ 6.45$; mix light, $\$ 6.30$ to $\$ 6.40$; bulk of sale $\$ 6.35$ to $\$ 6.45$. <br> Sheep and Lambs.-Sheep, $\$ 3.75$ to $\$ 6$ yearlings, $\$ 4.60$ to $\$ 6.75$; lambs, $\$ 6$ $\$ 7.85$. |
| :---: | :---: |

British Cattle Market.
London.-Canadian eattle in the British
markets are quoted at 11c. to 12 fc . per COSSIP
A note from Messrs. Hamilton \&
thorne, of Simcoe, Ont., the well-kn importers of Clydesdales and Peroherons,
iforms us that Mr. Hawthorne sailed, on December 29hh, for France and Scotland new importation of stallions of
hese breeds, which will be of the usul igh-class quality, and the arrival of these columns.

Sale dates claimed
Jan. 15th.-W. Doherty, Clinton, Ont..
dispersion sale of Shorthorns.
Jan. 1fth
Jan. 16.th.-A. H. Jacobs, Blyth, Ont.
dispersion sale of Shorthorns.
Jan. 23 rd.-Valentine Ficht, Oriel, Ont
otswolds.
Jan. 31st.-M. J. McGillicuddy, Keni
Forth, Ont., Shorthorns.

$\qquad$ Prices of himed and been turned over
teady tore eggs hold
to firm, at 20c. .to 21c. for limed ing rather firmer, at 25 c . to 30 c ., accord
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Unto the embargo against bringing hay
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Pû̃al

Cife, 鲁iteratute


Our Literary Society
It is now time, we think, to give
our Literary Society members thing harder to do, something which may put them on their mettle, as their powers of thought. Perhaps no selection of its length is better suited to accomplish this than Wordsworth's beautiful poem, " Peele Castle." It is abstruse, yet not so
sible to any student who is not
afraid of hard work: simple in
language, yet aglow with suggestions to the inquiring mind. The imagination, the reasoning power, the
resthetic faculty knowledge mesthetic faculty, knowledge of the minds of men, are all called into
action in a full interpretation of " Peele Castle," the study of which must, therefore, prove a most valuable mental exercise, as well as, in
the answering of the questions set, a useful exercise in the art of expres
Whether we are setting you too
hard a task or not, will eventually appear, yet we trust that we shal
not be disappointed, and that th study of this poem will bring out the very best thought of which rural
Canada is capable., The very fact 1 hat " Peele Castle" has been said to
be "the most complete expression his art given by Wordsworth,", should
inspire you to an effort to underinspire you to an effort to under-
stand and appreciate it. Do not read the poem over care-
lessly, then jump at once to the con-
clusion that you can do clusion that you can do nothing with
it. Let its difficulty be your spur. "Begin, anyway," as a noted lec-
turer in composition used to say to turer in composition used to say to
his classes, "and thoughts and words
will come to you." liead the poem over very carefully, once, t twice, three
times, if necessary, until you grasp
central idea, then study it stanna central idea, then study it stanza
stanza, and line by line, writing
at the answer to each question as
,
How perrect was the calm : it semed
slepep moins, which sasson takes away, of
could
could hive tecisen Was even the gentlest of all mighty


QUESTIONS

1. (a) Describe the picture of Describe the picture of the castle he painter saw it and painted it. 2. (a) What two views of human ures? (b) Whith these two pic his opinion about life? poet change passage which shows that he did so. 3. Which do you consider the Give poetical stanza in the poem? 4. (a) Exiplain your answer.
2. (a) Explain as fully as you can was on sea or land." (b) What words are in apposition in lines 2 , 3, 4, stanza 4? Why does the poet use so many terms in trying to bring
out his idea? 5. What do
silent Nature's breathing life," ? 6. (a) Why does Wordsworth mak the assertion in line 4, stanza 9 ? (b) Who is meant by "Him whom I ate work," "Hulk which labors in the deadly swell," "Pageantry of armour of old time," "the unfeeling 7. Explain fully the meaning of 8. Quote from any
has given expression to poet who similar to any expressed or sug ested in Peele Castle. sug of the poem are characteristic
3. What impression has the study of the poem left on you, (1) as to 11. Comment on the rhyme and 12. Write a short, critical on the poem, embodying thoughts which you may not have found op portunity to express in answering he above questions.
[Note.-Questions.
been taken directly from and 10 have or departmental examinations by Ir. S. J. Radcliffe, London Col Kindly send in y
they may reach this office on that ore January 31st.
 preferred, sent to those who succeed in obtaining the greatest total num-

## How to Keep Young.

Have you ever stopped to marvel that most inexplicable thing in convoluted mass of soft, spongy -that and white matter, so sensitive that even one tiny blood-clot on it may
be enough to transform its a raving maniac, yet apparently the seat of thought, of the will, of all that makes man really powerful. Moreover, have you ever stopped to
consider that the brain is a consider that the brain is a part of
the body, to be treated with discretion as other parts of the body
are? You know very well that if you were to tie up an arm and carry
it so for a number of years it would hecome powerless. $\begin{gathered}\text { Exercise is would } \\ \text { Le }\end{gathered}$ ly, exercise is the conditits. Similar-
$\qquad$
without gaining in brain-power. The study of a poem, the following out in nature, or a polítical situation, the wrestung over a problem in mathematics, may seem to you but
trifling things; yet it is undeniably true that in each case power to think in all other directions has been acquired, and with it an impetus, howrem small, to success in things far ical situation, or the occurrence in nature. When, however, such effort becomes habit, when that one small impetus becomes multiplied indefinite be imagined. One water-drop coming over Niagara Falls does not count for much, and yet just waterdrops multiplied indefinitely produce are sufficient to furnish power to whole countryside. Whatever the career in life one may have chosen, intelligent thought, as well as in-
dustry, is essential to success. successful business man must be able to think out all the pros and cons of similarly the successful his business; lawyer, farmer, etc. Should aician, these, then, neglect that continual give him pow to way, which will of course it think, to succeed? work a brain, as well as a body' known mental collapse are not una general truth that be asserted as thinks, with proper care of his who otherwise, lives longer and carries him youth and-mental alertness with not so develop himself. Fan who does Walter Scott or Southey, a hundred Herbert Spencers, and Victor Hugos; Smiths, may Carlyles, and Goldwin of Gold win Smith writing last Think at far over eighty years of age year book which has challenged the attenamong people who On the contrary, write, and who, consequently much less incentive to thought, instances are quite common of "childearly in life. With comparatively uselessness comes practically the and of life. 'Why, then, should any ena die before his time? To the wise Mental exercise, physical pointing out proper regard for the rules of heal a a vigorous and useful life, extending into a vigorous and useful old age death in the fulness of time, with

## Forgotten Knowledge.

regard to things read forgetfulness in is a source of real annoyance. '"What consolately." "I I can't of these, disthing."." And yet there is and anys use." The benefit from reading or study is not all confined to the conthen acquired or or studied. Ideas other ideas: these, in turi beget others: and so on, in ever-widening broader mover mind befoming that original capable because of fort. Closely speaking wasted ef such thing as forgotten, there is ne

Our Letter from the Home Land.

I am sending one or two little pictures to show you the outlook sorely afraid that in the crowded columns of our "Farmer's Advocolumns of our "armer's Advo-
cate " room can hardly be found for
them. Teignmouth is sur them. Teignmouth is surrounded by hills, not of any very greed height, but high enough to add to the pic-
turesqueness of the place and to be a pretty heavy tax upon fany but young legs to climb. To-day, for instance, I was intent upon getting
up to the moor immediately behind us-Haldon Moor-which is part the continuous chain of moorlands which connects it with Dartmoor it
eelf. To do this, I chartered a funny
little pony-chair perched up in front, and a lively lit ple "Bessie" between the shafts. By crackings, which latter seldom and whip crackings, which latter seldom impose
upon the small animal in front of us we mounted the hilly road, which we mounted the hilly rought us to the highiest evel we could hope to attain in the imited time allotted to us, and
resting at the cross-roads, gazed up on the fine view spread out before us taking into our lungs deep breath olme fine moorland air which blew
as a gale, but which, whilst treating us without the slightest ceremony and threatening to convey one's bonnet over to Chudleigh, or across a gap to the tower of Bishop bracing invigoration which repaid one for the struggle. There were in the hedgerows, as we passed them, a goodly sprinkling of golden gorse,
big fronds of ferns, holly bushes, ivg, and some rows of closely-grown pines, which seemed to be in great
commotion as the breeze stirred commotion as the breeze stirred
them. I noted, too, some really fine residences, built by those who prefer to live within reach of the moorland breezes rather than in the more con-
fined air of sheltered, sea-girt fined air of sheltered, sea-girt
Teignmouth; and here and there a Devonshire lane, with its promise of sweet violets and lovely primroses in the early spring. Dismissing my
miniature chariot, a stroll upon the miniature chariot, a stroll upon the
beach to the right of the lighthouse, passing the quaint little inn facing the harbor-a picture of which I will also send-and then a rest up-
on a bench in a corner of one of the shelters provided by the town council for the convenience of visitors,
finished my pleasant morning. My finished my pleasant morning.
eyes were constantly attracted
My the well-kept grounds-not much, but enough to make it difficult to realize so mild, however, that he does not the plain or striped members of the snapdragon family, the fragrant wallthere a plucky geranium, which seems determined to hold its own to the
last, in competition with banks of ast, in competition with banks
white- well, I do not know what call them, but they form pretty
fringes to the sterner vegetation fringes
which rocky hordering of the extensive
promenade fronting the sea-wall. Not, I venture to assert, a poor show
of flowers ior the first day of cember
Seeing a kindly-faced old couple in
part possession of a sheltered seat part possession a
desired to share. I asked. ly way desired to share "an and
introduction, "Can youl til me why
those flags are flying to-day?" for there were flags of all kinds afloat
from the constguard stand and other
places. Why, it is the Queen's places.
look of reproach at my ignorance Then followed a reminiscent and most both husband and wife remembered well the coronation of Queen Vic toria, how they had been married
sixty-five years ago, and could I guess their ages? if course I haz arded a guess, and was told that
was nearly ten years out in my re
oning, "for," gaid the husband, oning, "for," sald the husband,
am in my ninetieth year, and sh patting
he queried. "Well, so do we ; it's to emigration as a possible opening our native county." And then, a
in a duet, we sounded the praises of this lovely southern coast of Eng land. "When I found myself get man, "I just left my business to my sons, and they are doing well at it all prospering, and I have the com
fort of seeing their success with own eyes, without having any car or responsibility myself. Now, can't help thinking," he continued
"that Queen Victoria lost a good deal of pleasure by not giving her self a chance to see what a splendid


A scormy su.ses uver warimour
king her son is making, God bless
him. Why, she might have alive now, as we might have been did not part with my friends without offering the information that I
had just come from Canada, a fact had just come from Canada, a fact to the most insignificant gives even or daughters a special claim to consideration in the mother country. In-
deed, one cannot take up one's daily deed, one cannot take up one's daily
paper without finding throughout its paper without finding throughout its
columns or in broad headlines the familiar name. Let me quote some of them. "Inder the caption," "(iar-
den Notes," I find the following : "It den Notes," I find the following " "It
is very noticeable that most of the
trees and shrubs which distinguish


Lighthouse and Ness, Teignmouth, Eng
themselves by remarkable beauty of Activity is conducive to longevity from North America. The enthusiasm of work-something to having plenty of our kindred of the states and Can- to constantly, something to plan ada for the splendor of their autumn for, live for. There is nothing more
time is easily understandable. The fatal to growth and normat Maple Leai Forever of Canada's na- fatal to growth and normal living tional song well deserves its popular mental inaction, nothing more from appreciation, judging irom the re- to growth than stagnation.
splendent crimsons sarlal with which
Acer circinatum adorne wir she are a great many semi-insplendent crimson-starlet with which There are a great many semi-in-
Acer circinatum, adorne our shrubber- valids in this country to-day who
ies where it finds it phan," ies where it finds " plate" Une King's could probably be cured to-day who the right
Under the heading. The of work mental Forces, Reservist Eimprants"...The cause they are invalids mentical, be-
War office is giving sume attention fore they are mysily be-

## Current Events.

Lieut-Col Clarke has resigne Clerk of the Legislature of Ontario

A revolutionary movement, looking independence, is under way in Poland.

A new steam yacht, costing $\$ 60$ 000 , is being built for Dr. Oronhya tekher-at Picton, Ont.

Mr. Charlemagne Laurier, M. I half-brother
suried at St. Lin, Que., on Jan. 2
A coal seam 80 miles up the Sas katchewan River from Edmonton ing off intense heat.

The Provincial Government of Ontario is reported to be considering new agricultural schools.

The first contingent of some $\mathbf{1 0 , 0 0 0}$ British immigrants which are to be Sent to Ontario this year, arrived in tributed among the farmers.

Fourtecn people were killed a Lodz, Russia, on New Year's Day in
fights between the Nationalists and Socialists. The Prefect of Police at St. Petershurg was assassinated on

Four million pcople in China are
Four million people in China are
starving by reason of famine, and starving bovernment has decided to appeal to Eurove and America for aid. In Russia, which has also suffered by
reason of famine, $30,000,000$ peasants are in need of assistance.

The Notel gold medal, recently conferred on President Roosevelt by
the Norwegian Government in recog nition of his services in the interests House The arrived at the Whit proximates $\$ 37,000$, will follow.

Baroness Burdett-Coutts, an ac-
count of whose life recently appeared dead. The greater part of her im-
mense fortune will go to her hussince his marriage with the Baron By the acceptance of the revised constitution, sulmitted to the Na-
tional Assmbly of Persia on Jan
:. constitutional government is pracAssem assured to that country. The
he consent of only be dissolved with
hinisters and two hirds of the senate, which is com-

Fortunes in Picture Frames.
be seen every year at the Royal Academy exhibition, but the finest and costliest frame ever made for a
picture was that which encloses the "V Virgin and Child," in Milan Cathedral. It is made of hammered gold. lazuli. The corners of this of lapis frame have hearts designed valuable pearls and precious stones. Some it is or its value may be gained when feet long and six feet wide. Its estimated worth is $£ 25,000$. Ite. One of the
mither pictures in the Vatican at Rome is in a frame studded with jewels. The picture is a valuable one, but the
frame nearls cquals the value of the

Children's Corner.
Original Story Competition.
The boys carry off the honors this time.
suppose the girls were busy making Christmas presents, or the boys would mot have found it so easy. The second
prize is awarded more for the composiprize awarded more for the composi
tion than for the story, which I do not tion than for the story, which I do not
$\qquad$


An Interesting " Tale."
$\qquad$ or what harm would grown up with him, Rome to him by it Bay, East, P. E. I
int (age 9).

officer tried to persuade him to return, as dor. We keep six horses. Our driver's
the enemy might come upon them at any heast, and is
$\qquad$

"The Intruder "
" The Intruder "
(From a painting by F. Harnes. Meadow vale, Ont. Fxhilsited at Toronto Fxhil)i-
 man of whom I have told you was the prize for having the best achoot tirst Hence, we cannot but the danger Farmer's Advocate" for about five years delaying, if
$\qquad$
$\qquad$
$\square$ did to that young
$\qquad$
$\qquad$
$\qquad$ Keep
courage,

OLLIE LOBB (age
$\qquad$
$\qquad$
The Letter Box. call Babe, and our man, George, has a
horse named Peanuts.
Crampton. Cramp -
Dear Cousin Dorothy,-In reading "The
Farmer's Advocate", I motice that you
are receiving lots of nice letters from are receiving lots of nice letters from
little boys and girls almost every where,
and I read every one each week. We like
" The Farmer's "The Farmer's Advocate" very much.
My father has taken it for, a long time.
My mother keeps all the copies for future My mother keeps all the copies for future
reference. Sometimes we give somme
away to friewds to read. I have two. a way to friesds to read. I have two.
pet kittens, as white as snow; a dog.
named Bell, and a call named Blossom. I have more than a mile and a balf to
go to school. I am almost through the
Second Book. I have three brotherte. We have five horses; their names are
Charlie, Lucy, Dan, Duke and Prince. We have sixteen cattle and seventy-five sheep.
Our farm is one hundred acres. It is
five miles from the town of Uxbridge, on the G. T. R. I will close for this time,
wishing you a Merry Christmas and a $\begin{array}{cc}\text { Happy New } \\ \text { TXbridge. } & \text { Year. } \\ \text { MYRTLE PUGH (age 9). }\end{array}$
Dear Cousin Dorothy,-I have never
written to "'The Farmer's Advocate"
before. I go to school every day, and
$\square$
ing to have a concert scon. I am in the
Part II. I have a pet cat; its name is
Part II. I have a pet cat; its mame is
Tiddliewink. We have about 30 cattle
and about 35 sheep and 2 horses; their
names are: Kate end
names are: Kate and Doll. I have two
sisters and one brother; their names are:
Ivy, Grace and Bertle.
IIAROLD J. McLEMON (age 7).
Walter's Falls, Ont.
Waiter's Falls, Ont.
Dear Cousin Dorothy,-I like your paper
very much. My father does not take
the paper, but we keep a post office, and
I always get my uncle's paper. I have
two sisters and one brother; whose
names are: Florence, Stella, and Willie.
names are: Florence, Stella, and Willie.
For pets, I have a cat. I call her
Topsy. She stays out in the stone near-
ly all the time. I live half a mile from
sohool. I like my teacher very muah. I
am in the Senior Second Class. I will
Wher was beef the highest? Ans.-
When the cow jumped over the moon.
IDA MARY MARSHALL.
Dear Cousin Dorothy. I am a little
girl, nine years old. I thought I would
like to write to the Children's Corner.
My papa takes " The Farmer's Advo-'
cate," and likes it very much. Merle,
Mabel and I are going to school; Robert
will be going to school next summer.
We have two horses. The driver's name
is Dot, and the other horse's name is
Lucy B. Our dog's name is Sport. We.
have thirty-two pure-bred Bronve turkeys.
There is a hill just outside our fromt
gate, and we go coasting down as far as
the bridge. We have two little twin
brothers, one month old; their hames are:
George Burton and Fredrick Henry.
Clandeboye, Ont.
Dear Cousin Dorothy, -I have read so
many little letters in the Children's
Corner that I would like to be a little
cousin too. I have a mile to walk to
sohool, and scarcely miss a day. I ana
going in the Secold Book after Christ-
mas. I am seven years old. I have
three brothers; the oldest one is nine
years old. We are always anxious to
get .. The Farmer's Advocate." My
grandfather has taken this book for
about forty years. NELLIE CLEMENT.
anessa, Ont
Dear Cousin Dorothy
Dear Cousin Dorothy, - I enjoy readilag
the Children's Corner. We have 11
We have six horses; their names ane:
Floss, Gert, Fan, George, Jan, Maid. We
have 100 acres.
lay, aid I am in the Thind Book.
ALFRFD H. HUSBAND
Ont.
Pompous.-I would have
Sandy.-Weel, an' I'm glad o' that,
Pompous.-Do you appreciate what that
Satement means
our dominie will have ane less act o' the
Lord's to account for ant

The Quiet Hour.
Love Expressed Sacramentally





what woidetal sacramotoat pomor

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## About the House.

What to Make When Eggs Are Scarce.






## mon, and teal

Hour
pound bouncer
pouter

$\substack{\text { graence } \\ \text { sTousted Cheese }}$
or bread 5 as nectate

Nen urtil chaese in in
 ing, wonderful power, not ouly our Lord,
but also those who. with us, are very
members of His mystical Body, the members of IVis mystical Body, the
Church. Then the doors of His Treasury
stand stand open, and we may fill our hands
with priceless gifts for our nearest and
dearest. dearest.
" And then for those, our dearest and
our best,
By this prevailing Presence we appeal,
0 fold them closer to Thy mercy's
breast,. breast,
o do Thine utmost for their souls' true
weal. weal ;
From tainting mischief keep them white
and clear, And crown Thy gifts with strength to persevere."
The world needs sacraments, and we
reach out instinstively to touch each reach out instinstively to touch each
other through them. Even the birds
put on their brightest colors and sing put on their brightest colors and aing
their sweetest songs, reaching out in
sacramental sacramental outward signs to get iutto
touch with their fellows. So also the
toad who is in what has been called "the lad who is in what has been called "the
necktie stage of life," tries the effect of
a blue or a crimson tie, not to gratify a blue or a crimson tie, not to gratify
his own vanity, but in order to please by
an outward visible sign the woman who an outward visible sity the woman who
is his worid for the time being. Even a little child with his clinging arms round
your neck and his warm lips pressed to yours is expressing sacramentally the
affection which no words can tell so aneection
efively.
Gind
Gefectively. Himself could not satisfactorily
God reach the men and women He had made
without coming into close contact with without coming into close contact with
them. The Incarnation almost proves Itself, for It fits so exactly our need. . 'Tis the weakness in strength that I
cry for ! my fiesh that I seek
In the Goodhead I I seek and I find it.
o Saul, it shall be O Saul, it shall be
A Face like my face that receives thee : a Man like to me,
Thou shalt love and be loved ky, for-
ever : a Hand like this hand
Shall throw open the gates of new life Shall throw open the gates of new :"
to thee! See the Christ stand !" Christ heals the deadly leprosy of sin
by actual touch of Hiss flesh on our flesh If He had only come into the world long
ago, and then gone far away from it Into heaven, we shouta have with us al al-
and lonely. $\begin{aligned} & \text { Rut He is way, } \\ & \text { we is still the Ladder linking }\end{aligned}$ heaven and earth. He gives His Church
a holy sacrament of love to be cele brated continually until He comes again,
so that we may be in constant touch
with ur unseen Kil.

 is very certain, that liy these outward
sims He intends to hold His Bride close againgt His heart, in thrilling, quicken-
me touch. Whatene thay be our opin-
Hon as to the meaning and power of this

we
we disobey our Master's we are not only remem- sisloyal and disobedient, but we have no right to
expect that our hearts can be kept it
closest closest contact with His. Let us look
reverently and carefully into the mysterireverently and carefully into the mysteri-
ous words. desiring to know to the full ous words. desiring to know to the full
measure of our capacity the meaning of the token of love waich our Prince has laid in our hands, but especially careful
to keep it constantly in view. Would a to keep it constantly in view. Would a
loving wife thrust carelessly into a forgotten corner a tolen of love which the
bridegroom had given her, only looking bridegroom had given her, only looking
at it once or twice a year " Yet many who call themselves Christians treat far
more disloyally than that the token more disloyally than that the token
given by Christ, the Britegroom, to His
Bride, the Church, the night before He Bride, the Church, the night before He
died-died for her. Many thousands who died-died for her. Many thousands who
claim to be disciples of Christ seem to claim to be disciples of Christ seem to
think tiaat His sacred, dying command does not concern them at all. And then
they wonder why they don't make more they wonder why they don't make more
progress in spiritual life! Where is progress in spiritual life! where is
spiritual life to come from if not from spiritual life to come from if not from
the Life of the world? If we want to
grow strong enouga to live for our Lord grow strong enougd to live for our Lord
in joyful, loving service, or to die for in joyful, loving service, or to die for
Him as the early Christians did, let us
go back to their custom, and at least go back to their custom, and at least
meet together on the first day of the
week "to break bread."-Acts week "to break bread." -Acts xx.: 7.
How often our Lerd healed people by How often our Lord healed people by
the sacrament of touch. In one case,
when healing a poor laathsome leper, we when healing a poor lcathsome leper, we
are expressly told by three Evangelists in exactly the same words that He He "put
forth His hand, and touched Him."-St. forth His hand, and touched Him." -St.
Matt. viii.: 3; St. Mark i.: 41; St. Luke v.: 13 . Evidently the $\because$ touch "was a
most important part of the cure, just be cause important part of the cure, just beward expression of tenderness. So also n the case of the poor woman who only
ventured to touch the border of His garment. Others were crusing close
against His body, yet He felt instantly the thrill of that one touch that was His love and power. The woman thought
she had only touched the carment's hem she had only touched the garment's hem,
waile her hand really touched His heart as every loving hand can do still. The soul instinctively reaches out through the
body. Even in prayer there is, as New bolt, says, an intimate correspordence be
tween the postures of the tor ewentions postures of the boody and the a matter of fact, feel in your inward
soul a sinner's self.abasement before the
sanctity of cood. whie y wu lounco bacle in a chair, with your arms across, and
with eyes gazint unthinkingly on any ob-
fect that mav meet them, Outward things are the visible manidresses flashily and is loud in her manner. While another is quiet in dress and
modest in manner. $\begin{aligned} & \text { Dress and raanner } \\ & \text { are outward things, but we see the }\end{aligned}$ through tiem as through a window They, too. are sacramental, being out-
ward visible simns of that whicin is in
visible isible and spiritual. Let us be careful
not to waste our countless apportuniti
reaching out sacramentally. Our
hortest way to man is through God, shortest way to man is through God,
touching our brothers in the sacrament of prayer-which is an outward expression of love and in the Lord's Supper, in which we not only touch them
but are made more entirely one with her are made more entirely one with
them, For we being many are one hread, and one body: for mery are all par-
takers of that one bread." lakers of that one bread." -1 Cor. $\mathbf{x}:: 17$ Let no one say dolefully, "I can't do
anything to help."
We can always pray anything to help." We can always pray, ormy the brother at our side, or to the army in the thick of the fight. When
Moses held up his hands., in the sacra ment of prayer, the army of Israel preAmalek prevailed he let down his trands weakness prevailed. How much of the ult of want of earnest prayer. If ye eally want to help-pray, and keep on a sing which is a man see his brother sin ask and God shall give him life for them hat sin not unto death." Oh. if we only
used our mighty power of intercession t. he utmost, what a transfigured world

Thou art coming to a King : Large petitions with thee bring
For His grace and power are such

As a matter of fact, we ask too little,
and then wonder why we accomplish so
little.
And our shortest way to God is
through man. We can really touch Him in the sacrament of Service for tor Hervice which is not a sacramental expression of
love is of very little value in the eyes $o$ God or man. This morning, while I was dressing, the dear lady who has made a came to me with a cup of delicious frink this. for it will warm you this coll morning." That also was a sacrament ulness.
Our deur Voluntary deati were sacramental. With nut those outward to'iens of His undying into closest touch with His own. Wearts
We trawn our hat maturally exiress our love to God and man sacranientally, reaching out and up
n the active energy of constant prayer
ind loving service-from the cup of cold nater to the laying down of life. of cold
Such
lacramental service transfigures every acramental service transtigures every-
thing it touches. As Bp. Ingram says
Oh: the band of the Lord's ministering heipers. With shining garments, to world. What should we do without

The den they enter grows a shrine
The gloomy sash an oriel burns : Their cup of water warise burns :
Theike wine:
$\qquad$
Kaffee-Kuchen-One pint bread
sponge, 1 tablespoon molasses
sugar, 1 cup raisins, 1 egg, 1 cup
spoon soda. butter size of an tea-
rather stiff batter. Mix with flour to make
somb MORE WINTER RECIPES Cream of Carrot Soup.-Grate carrots, cook in milk, and put
through a sieve. Or you may put the carrots, cut in pieces, with a dash of sugar, slice of onion, sprig
of parsley and lump of butter. When ender conly a very little water through a sieve into the water again. utter and fiour rubbed thicken with



JANUARY 10, 1907
soit break the skin immediately Pickled Pigs' Feet.-Wash, singe and scrape clean, then boil till very
tender, and remove meat from the bones while hot. Do not chop it
Let the liquor the feet were boiled in tand till cold, then take off the
grease from the top. Melt the jelly grease from the top. Melt the jelly vinegar to make it as sour as re-
quired. Fut in a crock, put the neat in, and set in a cold place
Slice out when required. If you have to cook tough beef or
hicken, try putting a spoonful of vinegar in the pot in which it is
hoiling. An old fowl may be made quite tender by steaming it nearly Cabbage Creamed.-Soak the cab-
bage 1 hour in cold water, then chop fine and boil till tender. Drain, cover
with milk, reheat, then thicken to a cream with a little flour rubbed
smooth in a small spoonful of butter. Boil 1 minute longer, stirring
well to prevent scorching. Season and serve.
HOUSEHOLD HINTS. When cooking onions, place a piece
itale bread in the cooking vessel with them. It will help to prevent the disagreeable smell produced by
them.
When making soup, place a small. unpeeled onion in the soup kettle. It
will serve as a magnet to draw will serve as a magnet to draw the
floating sediment to itself, and when loating sediment to itself, and when
lifted out will leave the soup comparatively clear.
Time-saving in Pie Crust.-One full

## The Ingle Nook.


$\qquad$

till thorougpoon salt. Rub together
in a cord place. mixd, and set away
It will keep a long
time. When time. When you wish to make a pie
take 1 cup of the mixture and as lake 1 cup of the mixture and as
littel cold water as y yu can get it
logether with. adding a cew time with, adding a few drops at
If your foe If your feet become calloused and
sore on the soles, place a bit of sticking platster on, each callous. The
soreness will wear away ant atter a shert Tan of a coracks or holes in the firepan of a stove, get some asbestos and apply thickly. It will harden and kepply thickly. It will harden time.
Dry unused bits of bread in the ven, roll them fine and put in seal-
ers. The bread will keep thus ers
delinitely, and may be used for any purpose for which bread crumbs are When icing a cake, let the cake become cold before applyying the icing. Should eggs happen to be frozen
during the winter, do not put in cold water. Try placing them in boiling water. Leave them there from five
to twenty minutes, according to the amount of frost in them. When opened the yolks will be found soft
and fit for cooking Everyday glassware may be greatly toughened by plascing it in a be large pan
of cold water, then let come gradually to of cold water, then let come gradually to
a boil.
Boil for an hour or $t w$, then
 sold.
Old blankets, if dyed, make good warm
make warm pold weather. They also are e wikely to keick the bed clitrosen owh at
night. Leave no opening for the feet. Atter it gets too cold to keep the doors and windows wide open when sweeping,
particular core should be taken to keep
he dust down. the dust down. Old newspapers may be
used for this purpose. Sork men used for this purpose. Soak, squeeze
out the water, shred, and strew over the carpet. then sweep up. After sweeping,
the windows and doors should always be Che windows and doors should always bo
orened and left so for a little while orened and left so for a little while.
To extinguish a chimney on fire, throw a large handfull of sulpor on one the fire.
The fumes will put out the fire in the chimney speedily
rinse it make flannelette less inflammable inse it, arter washing each week, in
water in which 1 ounce of alum has been dissolved, good for little children's night-
derses, thesses, as children so otten run close to If woollen Earments
shrunken try the following: Stretch the article on the ironing-baand, and place
over it a piece of chesecloth, which has ver it a piece of cheesecloth, which has
been wrung out of eold water. Press with a hrung hot iron until the cheesecloth is perfectly dry. The garment should show a marked improvement
In frosty, weather
In
collars and small articles handerchiefs, dry in a p pillow-cape. The articles will be saved whiping in the wind, and will
freeze dry in the pillow-acas freeze dry in the pillow-case.
For insomnia, try eating
supper.
An agreeable mixture for ohapped hands
is composed of 1 ounce glycerine, 1 ounce
rose-water, and 20 drops rose-water, and 20 drops of solution of
benzoin. Apply at night, first washing
the hands. the hands. Apply at night, first washing
Probably this "stern disapproval" was Probahly this "stern disapproval " was
angel in disguise opnt to Miss
Addoms. That nisht the reaction came, and in. bitter neliextexmeninationtion case held,
herealt, as it were, tefore terself herraelf, as it were, before herself. Now,
her many vears of dilettanteoism har epicurean dabblings in study, appeared to
her as a, monument her as a, monument of selishness. had tallen, she says, "into the meanest
type of selldeceception in making mysells beliove that all this was in preparation for graat things to come, and nothing
less than the moral less than the moral reaction following
the experience at a bull-fight had able to reveal to me that, so far from following in the wake of a chariot of tail of the veriest ox-cart of self-

The next January found Miss
Addams and an associate, Miss Stas Achams and an associate, Miss Starr,
seking tor a buiting which might
becone the nuclews of woibl become the nucleus of a social settle
ment in the slums of Chicago. That was firten years ago, and since then
"Hull House " purpose, as set has fully justified its
 to institute and maintain educational
and philanthropic enterprises, and to investigate and improve the conditions in the industrial districts of Chicago." To many readers of the Ingle Nook
women by whom pure air, freedor the sight of green grass, trees and
wild flowers are taken as a matter of course, things so common as to occasion hut little thanksgiving-the full secri-
fice of a life such as that which Miss
Addams has led may not appear Addams has led may not appear.
Probably in no city in America are
the slums ". yorse !" the slums "worse" than in Chicago
Imamine if you can whole districts of
tumble-down buildings and tenement
 sanitary precoution what
score of families or ever, often a score of families or more
huddled in a single building, occasionally a whole family confined to a single room,
three fights up at that-no yand three fights up at that-no yand, no out-
door breathing space laryer than the three or four square feet at the top of Hickety fire-escape and even the denizens
of suoh apartments as these hapy pared with those who occupy the com-
malodorous basement rooms below to this an outlook of disreputable streets filled with dirt, and blowing papers, and
little children with ragged garments,
$\qquad$
$\qquad$
Che smells, the
When on in the

## Indigestion.

A rather ghastly assertion appeared the other day in a contemporary magazine. t was this: "We dig our graves with ur teeth." An astounding statement, ruly, yet, in its paradox, there is, perhaps, more truth than nonsense. More people than one can well imagine jure their health, sometimes permanent, either by eating too muck or by eat ing too quickly. A very short time of self-abuse such as this will suffice to turn a well person into a dyspeptic. A dyspeptic, it has been said, is " a , peron who blames everybody eled beoause he eats too much." This is not a bad definition. Everyone about a dyspeptic is to be pitied, but, most of all, the poor sufferer himself. Little wonder that he is irritable. Every bite of food that he ats troubles him, sometimes to the verge him the nourishment which it should. It is not being assimilated.
Slow eating, in moderate quantities, and exercise, are the price of good into the Every morsel of tho mouroughly masticated, eind thus mixed with the salivary juices, which assist the gastric
juices of the stomach in the work of prejuices of the stomach in the work of pre--
paring the food for absorption into the paring the food for absorption into the taken during meals; no one should ever, cupful. at the table, drink more than tails may save a great deal of trouble and positive injury to health.
few years ago, it seemed to me that the few years ago, it seemed to me that the
blessing of pure fresh air must surely be
one of the greatest boons that berth bue one of the greatest boons that eurth the
to offer. Of the wickedness, I raw and to offer. Of the wickedness, I sew and
heard nothing, for wherever the white
ties of heard nothing, for wherever the whit
ties of a deaconess (it was a deaconen who accompanied me) appear, foul language dies away, and faces that
would fain put would fain put on' a good appearance are
turned to meet hers. But then, turned to meet her

But then, as Mise
were not in the
Halstead "o was muich worst districts. Into just such localtties as these, the ing their settlement houses right in the midst of these dilapidated ones, where they stand as an example and an inspira-
tion to cleanliness and ind Each house is cccupied by severa workers-in the one of whioh I heand but to whom every Chow no other home, city is open. And yet, shut off as they mind from nearly all that to more worldly minds seems to make life worth living. these settlement workers seem wonderituly
happy. I did not see Miss Addams, but prominent members of the settlements at Chat time, and a more jubllantly, jovially
happy man it would be hand happy man it would be hard to see.
Probably these home missionarijes know luugh the bright smile and the oheory erhaps, only medicine in the slums, or, can stand the depression of such souls mosphere. Il Miss Addams' face excan well anything it is sweetness, and one derness, that of a veritned up with ten-

It Never Ralns but it Pours. eived on the same day letters were re. Thear Dame Durden,-I enjoy reading larly, the Ingle Nook letters. I have never written before, but, as a farmer's reading Aunt Diana's temptation after agree with her as so lther. 1 quite majority of Canadian farmers' wive the was raised or a farm, and have been a armer's wife for about firteen years, and mentioned in Ingle Nook. I would like some of the Ingle Nook readers would eenth-year weddio help me plan a. fif-hill-of-year wedding anniversity, as to ables and dining-room, for about eighty or one hundred guests. It witl be midd-
you ant a Happy and Prosperous New
Year． Norfoll Co．，Ont．AUNY LidDIL．
Dear Dame Durden，－－Having been so lome I have mer＇s Advocate＂fo so long，I have been very much in have found many of the recipes just fine Now， 1 am going to ask what to have， and how to arrauge for a twenty－fith anniversity－dinner and decoratious－1st
of February．Also，how to entertain the guests during the day，and at the tathe Please give me the recipes for：jellied
chicken，bouillon and creamed fish． chicken，bouillon and creamed fish．
Oxford
Co．，Ont．

The following menu will，we think，be
found satiefactory for a mid－winter din－

| Consomme <br> Gelery． $\qquad$ <br> Fish Timbales <br> Turkey． $\qquad$ Giblet Gravy Pickled Peached or Sweet Apples． Petalees＇（mashed or in croquettes） Browned Parsnips． Salad． <br> Puldiag or Pie． Fruit． Assorted Cakes． Fruit $\qquad$ A Coffee． <br> If preferred，oysters might precede bo sukstituted for the consomme，and boiled ham might be audded to the meat course． <br> To make the consomme，put the soup pot on the etove，and put in it a heap－ ing teaspoon of white sugar．Let it water．Let boil 10 minutes．Then add （cut fuarts cold and 2 libs．knuckle of veal． Hot simmer，skimming carefully until all the fat is taken off，then cover closely， In all，it should simmer about 5 hours． A little onion，carrots，celery，etc．，may be added，if liked．When done，strain carefully，and with blotting paper．Your stock is now ready for elatoration． will keep in a cold place in winter； if any is left over，it will not be wasted． You may finish the consomme almost in way is to reheat <br> way is to reheat as much as will be spoons canmed peas， 2 talblespoons cooked carrots and 2 tablespoons cooked turnips， both diced neatly $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> of onion juice． <br> the soup course <br> as phis，it must <br> heavy．Ite place <br> the dinner， <br> somme，as <br> admirably． <br> For the ereamed fish，or fish timbale， <br> persons．Rem <br> and pound the <br> breadcrumb swect cream； <br> pepper，salt， <br> 3 small tens nutmeg <br> spoon of pepper will be enoug the whole．When <br> the add 4 beaten eggs，and <br> buttered mould． <br> pan，place in around to reach <br> Cover with buttered <br> very moderate oven ${ }^{3}$ hour <br> gether minoed apples，celery，and walnuts， <br> the dressing just before serving mixing <br> In midwiter and in the coi <br> flowers are scarcely to be had <br> time of the $y$ <br> dinner to be se <br> say to havo <br> the snowiest of <br> with diamond dust to <br> might have <br> greens： <br> small glittering <br> red candles， |
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## somme，as adamimaty． and



is bining celobratad．Warmuth of efeot could
bo given byy rod shadese atoout allt the lighte
 of the letters，this scheme would not do，
and we can only suggest decorations of and we can only suggest decorations of
such ferns or winter－flowering house plants as can be wrocured；one plant used
as a centerpiece for each tate as a aenterpiece for each table will be enough．China silk，with an outer
draping of chifon or tulle，may be draping of chifion or tulle，may be
bunched about each pot to conceal it，the
silk matching tine color of the fowers silk matching t the tulle white．
If preferred，dainty＂place＂cards，
matching in some way the color scheme
of the room，and each bearing the name of the person who is to sit at the place
indicated，may be used．Nuts，olives， indicated，may be used．Nuts，olives， fore the guests are seated，in small，
pretty dishes．The knife，soup spoon and the napkin，with a piece of bread on it， are placed to the right of the individual
service plate at each place，the forks at service plate at each place，the forks at
the left．The water glass is placed near
the point of the knife．Nothing else ap－ the point of the knife．Nothing else ap－
pears on the table，the courses being
brought in by the waitresses as required． brought in by the waitresses as required．
Refore the dessert is served，everything， Refore the dessert is served，everything，
except the water glasses and bonbons，is removed，and the crumbs are brushed with a napkin from the tatle into a plate．
Now for May＇s recipes ：
＂Creamed fish＂is given above．． To make bouillon（which may be served
instead of consomme），take 6 lbs．beef
nad bone cuts in instead of consomme），take 6 lbs．beef
and bone，cut it in small pieces，saw the
bones apart，and place in 2 anats，cold bones apart，and place in 2 quarts cold
water．Heat slowly，and simmer 5
hours in a tightly－covered soup kettle． hours in a tightly－covered and simmer settle．
htrain，season，let strain，season，let get cold，and remove
fat from top．Serve hot．
Jellied Chicken．－Stmmer till the meat Jellied Chicken．－Simmer till the meat
falls off，adding 1 pint cold water for
every pound．Put in the feet，singed and every pound．Put in the flet，sainger and
slinnad．When done，strain．Let the
liquor get cold，and remove the fat．
Chop．the meat fine，removing the feet． Chop．the meat，fine，removing the feet；
rebeat the jelly to melt it；add the meat；
season；turn int season；turn into a mould，and put in
cold place．If the jelly seems too cold place．If the jelly seems too thi
a little gelatine may be added when it a
reheater
In $\qquad$ should be needed excopt conversation and
music．Those whose anniversary ing celebrated should，if possibile，appear in some of the garments worn on the wedding day．An account of the wed－
ding and wedding journey might be
written written by some humorous person，and
read at the anriversary．It should be as
amusing amusing as possible，and might follow
facts only in part，the character and
habits of tiost descrit the＂couple，＂being given dirictly of
posite to the truth in every respect．

## Wedding Cake Recipes．

$\qquad$
$\qquad$
$\qquad$
$\qquad$

Breathing Through the Mouth

## Tight dressing，though the mos

 serious hindrance to the habit of stacle．There are careless ways ofsitting and standing that draw the sitting and standing that draw the
shoulders forward and cramp the shoulders forward and cramp the
chest ；and it is as hard for the lungs to do good work when the chest is narrow and constricted as it is for a closely－bandaged hand to set a copy of clear，graceful penman
ship．Then there are breathing through the mouth． the nose was meant to breathe ranged for filtering the impurities out of the air and changing it to the lungs．The mouth has no such apparatus，and when air is swal
lowed through the mouth，instead lowed through the mouth，instead of
breathed through the nose，it has an injurious effect upon the lungs． story is told of an Indian who had a
personal encounter with a white man personal encounter with a white man
much his superior in size and wards if he was not afraid．＂M Me never afraid of man who keeps
mouth open，＂was the immediate re mouth open，＂was the immediate re－
ply．Indeed，breathing through the mouth gives a foolish and weak ex－
pression to the face，as you may see pression to the face，as you may see
by watching any one aslcep with the by watching any one aslcep with the
mouth open．It may be noted that
an anmuic an anwunic or low condition of the
blood is seldom found where there is an established hanit of full，deep
breathing with the mouth closed－

## Recipes．

## Pickli＇s Beef－Curing Pork．

Dear Ingle Friends，－I enjoy reading the also the valuable recipes that are given recipe to cure pork for summer use，also to pickle beef．I would be very much
pleased if some of your memters would pleased if some of your memters would
Huron
Pickle

Tickie to keep beef，tongues and pork
salt，each gallon of water，add $1 \frac{1}{\text { log }}$ lh． oz．potash．Boil Boar，oz．saltpeter，and throw into a tub to cool．When Gold，
pour over the meat，covering it well，and
leave four leave four or five weeks．The meat
should not be put into the pickle for should not be put into the pickle for
two days after killing，but during this time should be slightly sprinkled wit
saltpeter to reniove the surface blood． small handful of mace and cloves thrown
into the brine will improve the flevor into the brine will improve the flavor．
Before cooking，soak the meat over night． When boiling salt beef，a good flavor is given by the following method：Mix a
tablespoon vinegar，same of Worcester tablespoon vinegar，same of Worcester
sauce，a tablespoon brown sugar tea sauce，a tablespoon brown sugar，tea－
spoon dry mustard，and a few cloves and
allepice．Stir well，and add to the water allepice．Stir well，and add to the water
just before the beef is done．Let the meat stand it the water until it is cold．
Siould the brine teecome sour at any Siould the brine fecome sour at an
time，drain it off，boil，skim well，an
pour back on the meat when cooled． To Cure Pork．－Make a mixture of liss．fine salt， $1 \frac{1}{\frac{1}{l}} \mathrm{lbs}$ ．brown sugar， 2 ozs．
saltpeter，and apply it to each 100 lbs ． meat．Repeat the application three times for hams and shoulders，and twice for accn，rubbing the mixture well in．The
he

$\qquad$ Primroses do best in a rather cool
place，yet they must never be chilled．
As they require good light，yet not As they require good light，yet not
too，much sunshine，an eastern win－
dow is，perhaps，the best situation． perhaps，the best situation the petunia
The petunia，especially the single variety，is a winter bloomer that is
sure to give good results with omly a moderate amount of care．Even ing，it may，by simply cutting it down nearly to the root and giving weekly applications of manure water． be induced to shoot up again and petunias may be grown either from seed or from cuttings．The soil should be loose－that scraped from －and manure water may be apcent every week with advantage．While making vigorous growth，and before the buds have begun to form，the plant should he pinched back from growth of new wood．It is upon the new shoots that the flowers appear many blossoms may be forced at the
same time． The oxalis．
is a oxalis，often called shamrock favorite．Nothing daintier than it in the whole range flowers appears and apparently＇Eoing asleep＇ own，a sort of human attribute most appealing to the affections． well in winter，it is absolutely flower sary to give the tubers a long rest during summer．In spring the plant should be kept almost dry in and out of the way spot until October， when it should be taken into the
house and forced． The soil should be a rich sandy loam，and plenty of water should be
given，provided，of course，that the drainage is good，a necessity to the nxalis．As it rejoices in sunshine，a
southern window is the best situa－

## Some Winter－blooming Plants

Perhaps none of the winter－bloom of flow a place closer to the heart which the species obconica and Chinese primrose are the best known Both have very fresh，pleasing foli－ age，and while the obconica is the variety has bloomer，the erettier flowers．The flowers of the former are a pale pinkish lilac in color those of the latter are either white
or some shade from pink to crimson usually suffused with lavender，and occasionally marked by an＂eye by fringed petals．
As the mennbers of the primrose ramily do not flower well the second Winter，it is wise to start new plants each year．This may be done by tenderly the seed in March and caring summer for the plantlets during the and giving plenty when necessary， care must be taken，however，to have good drainage，and to keep water from lying on the＂crown＂of the plant，a condition which is sure to
induce rot．In order to the soil，which should be a fine spongy loam，should te built up high in the center，and lawered off to the edge next the pot． The THE PETUNIA．

| Recipes． |  |
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| （isms，－ome egg |  |
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| spoon cream tartar |  |
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| and w |  |
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| little sugar．If for irratrast． |  |
| out and lay on the cakeboumrd untion time |  |
|  |  |
| to bake for hreakfust． |  |
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| The admiration of goodness and great－ fras．and this will hrime you nearer to |  |
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## With the Flowers．










## 8 Plants

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nica asing a is th prettie
he forme

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he secon he secon
hew plant
hew done uring the
necessary
coal Ashes - Geranium Blos- Bob, Son of Battle. w. P., Quehec, writes: "Would BY ALFRED OLLIVANT. ou kindly let me know through your valuable paper if sifted coal ashes is
good for garden ground that is ingood for garden ground that is in-
clined to be rather stiff. Could the ashes be user with good results to oosen the ground, instead of sand Would the ashes be a detriment to way? Would you also let me know what makes the small flower-buds turn yellow about two weeks after
they put in their appearance on my they put in their appearance on my
geranium plants? The plants are geranium plants and very healthy-looking, but the buds drop off when about two weeks old.
Ans.-Coal ashes are of little or no value for the garden. The best
place to make use of these is on
walks or drives. If the ashes are horoughly screened, they would not or a serious detriment to the garden
or either flowers or vegetables. It would be better to use an abundance of manure to loosen up heavy ground rather than apply coal ashes.
Without seeing the plants, or knowing more regarding them, it is difficult to say just what may be the
cause of the flower-buds failing to cause of the flower-buds failing to
produce bloom. It may be inferred, in a general way, that the plants are suffering from lack of vigor, due causes. It may be that number of plants are not yet strong enough to prosfiering from too much or too little water, or from poor condition of the soil, hut it is impossible to say best thing to be done is to encourgive plenty of sunlight. HUTT

Song of the Souls that Failed. We come from the war-swept valleys,
Where the strong ranks clash in might. For its last and losing fight:
Froun the roaring streets and highwavs. Froun the roaring streets and highway
Where the mad crowds move abreast Where the mad crowds move abre

Nours the ban of the coware
Not ours is the idler's shame " We sink at last, o'erpowered,
Will ye whelm us with scorn or blame We have seen the goal and have striven
As they strive who win or die; e were burdened and harshly driven hen we hear the prolts. And thrill to the victors shou
We envy them not, nor wonder or we heed one music only,
The sweet far Voice that calls O. the dauntless soul and lonely
Who fights to the end, and falls eome-outworn and weary-
The unnamed hosts of life : ong was our march and dreary
Fruitless and long our strife. From the lost, yet glorious quest.
We come to the vales of quiet. -Marion Couthouy Smith, in McClure's. The minister felt annoyed that a
certain one of his flock always went his sermon. "Look here," said the
minister to the little boy who always sat next to the old offender " if you ketp your grandfather from
sleeping during the sermon I will give you a penny every Monday,"
"Well, I'll try," said the boy. The
" following Sunday Tommy kept his
grandfather awake by poking his ribs in no gentle fashion. A week later the minister was surprised to see the old man drop into his former habit,
while the boy seemed to pay no attention to his erring grandfather to sleep yesterday, Tommy? Did I not give you a penny to keep him
awake?" "Ay, $a^{\text {" }}$ ken that, but ma grandpa gied me tuppence to let
him sleep.".


##  <br> An immenge sensation this affair or tho Scomp reated in the Daleleand. It $\begin{aligned} & \text { spurred } \\ & \text { deavors. } \\ & \text { the } \\ & \text { James }\end{aligned}$ Moore into fresh en- Jand M'Adam

 were examined and $\begin{aligned} & \text { Moore and Mradam } \\ & \text { re-examined as to the }\end{aligned}$ minutest details of the matter. The Whole country-side was placarded withhuge bills offering $£ 100$ reward for the huge bre offiring £100 reward for the
capture of the criminal dead or alive.
Whit While the vigilance of the watchers was
such that in a single week they bagged such that in a single week they bagged
a donkey, an old woman, and two a donkey, an old woman, and
ammateur detectives. In Wastrel-dale the near escape of the
Killer, the collision between James Moor and M'Adam, and Owd Bod's unsuccess, Who was not wont to fail, aroused in-
tenso excitement, with which was mingled tense excitement, with which was mingled
a certain anxiety as to their favorite. For when the Master had reached home that night, he had found the old dog al-
ready there ; and he must have wrenched ready there; and he must have wrenched
his foot in the pursuit or run a thorn his foot in the pursuit or run a thorn
into it, for he was very lame. Whereat,
when it was reported at the Sylvester Arms, M'Adam winked at Red Wull and muttered, "Ah, forty foot is an ugly
tumble.". "A
A week later the little man called at Kenmuir. As he entered the yard, David was standing outside the kitchen window,
looking very glum and miserable. locing very glum and miserable. On
seeing his father, however, the boy
started started forward, all alert.
"What d'yo' want here?" he cried roughly.
"Same as you, dear lad," the little man giggled, advancing. ". I come on a
visit. "Your visits at Kenmuir are usually
paid by night, so I've heard," David sneered.
The little man affected not to hear. "So they dinna allow ye indoors wi'
the Cup," he laughed. ". They know yer the Cup," he laughed. "They know yer
little ways then, David." "Nay. I'm not wanted in there,"
David answered bitterly, but not so loud that his father could hear. Maggie
within the kitchen heard, however, but paid no heed; for her heart was hard against the boy, who of late, though he
never addressed her, had made himself as unpleasant in a thousand little ways as only David M'Adam could.
ing into the yard. Owd Bob preceding
him ; and as the old dog recognized his him; and as the old dog recognized his
visitor he bristled involuntarily. At the sight of the Master M'Adam
Antled hurried forward.
". I did but.
tyeme to ask after the
tye sald. " Is he gettin' over his
lameness ?" lameness?" James Moore looked surprised then his stern face relaxed into a cordial smile.
Such penerous anxiety as to the welfare Such generous anxiety as to the welfare
of Red Wull's rival was a wholly new characteristic in the little man.
"I tak' it kind in yo', M'Adam," he " Is the thorn oct,?" asked the little
man with eager interest, shooting his man with eager interest, shooting his
head forward to stare closely at the
other poulticin'," the Master answered, return
ing the other's gaze, calm and steady man, still staring, But his yellow,
grinning face said as plain as words, - "What a liar ye are, James Moore." The days passed on. His father's
taunts and gibes, always becoming mor cunts and gibes, always becoming more
bitter, drove David almost to distrac tion. longed to make it up with Maggie ;
He longed for that tender mater he longed for that tender sympathy
which the girl had always extended to
him when his tron the wim
were heavy on him. The quarrel had
lasted weary of it, and utterly ashamed. Fo
at least, he had the at least, he had the grod grace to ac-
knowledge that no one was to blame but
himself: himself; and that it had been fostered
solely by his ugly pride At length he could endure it no longer,
and determined to and determined to go to the girl and ask
forgiveness. It would be a bitter ondeal forgiveness. It would be a bitter ordeal
to him: always unwilling to acknowledge

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$\$ 12$ WOMAN'S SUITS, \$5

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January 10, 1907
.

And every day brought the combatants
nearer to that final struggle, the issue of
which neither carced to contemplate.
There came a Saturday, toward the end of the spring, long to be remembered by
more than David in the Dale.
For For that young man the day started
sensationally. Rising before cock-row,
and going to the window, the first thing he saw in the misty dawn was the gaunt
gigantic Aigure of Red Wull, hounding uil gigantic fifure of Red Wull, hounding up
the hill from the Stony Bottom ; and in the hill from the stony Bottom; and in
an instant his faith was shaken to its
foundation. The dog was travelling up at a long,
slouching trot; and as he rapidly appslouching trot; and as he rapidly ap ap
proached the house david saw that his
Hanks were all spplashed with red mud, his
 fast.
He slunk up to the house, leapt on to
the sill of the unused back-kitchen, iive feet from the ground, pushon, some with
nis paw at the cranky old hatchment.
which was its only Which was its only covering; and, in a
yecon, the boy, straining out of the
window the better to see, hearrd the within the house.
For the ment, excited as he was,
David held his peace. Even the Black Killer took oply second oven the ine in hack his
thughts that morning For this was to
be a momentous day for him.t. Thata afternon James More and Andrew
would, he knew, be over at Grammochtown, and, hiswork finishod for the day.
he was resolved to to tacke Maggiie and de
cide his tate. If she would heve de well, be would so neutd maroving him-
thank God for it, kneeling beside her in Che tiny village ohurch, if not, he would
laeve the Grange and all its uniappiness
behind, and straightway plunge out into the world.
All through a week of stern work he
had looked forward to this holiday. Therefore, when, as he was
breaking ofl at norn, his father turned to
him and said abruptly:


 I see what tits,", his father called
aitur him ; nhe's give" ye a tryst at Ken-
 Now it happened that on the previous
day Maggie had given him a photograph
of herself. or, rather. David had taken of herselt, or, rather, David had taken the room it dropped from his pocket. He
failided to notice his loss but directly he



The Housewife and the Ham There are many things a clever a handful of nails and a pot boands, stain, but even if she possesses the ideas without the faculty for carrymost excellent results by having carpenter carry out her ideas.
The modern house seldom has while in the average apartment they are, as a general thing, most decidedy conspicuous by their absence, and if there should be space for one, the landlord is more than apt to register an objection to having one built in, as it might disfigure the walls. This, however, need not cause the woman of ideas to despair, for there are two this obstacle, and having a portable

THE FARMER'S ADVOCATE closet built after her own plans. For a few dollars a carpenter will make
a large boxlike affair, with no door, that is six feet in height, forty
inches wide, and almost thirty deep. In this case, about one foot from
the top he puts a shelf, and then leaves the rest to be done by the
owner.
A small can of stain the color of closet retire to the background, so to speak, in a most unobtrusive
fashion, a small brass rod and cur-
tain complete the front, while nickel rods for coat and skirt hangers
screwed to the under side of the Shelf, and rows of hooks around the
sides, give abundance of room for clothing of all sorts, leaving the
shelf for hats, while the lower part of the closet may be boxed off for Shoes and stippers.
Another idea for a portable closet
is even simpler, for it is nothing more nor less than a hanging shelf. secure a strong plank, of the required
size, attach to it several strong
hooks, and suspend it from the pic-ture-molding by means of slender
but strong brass chains slipped over
several
hooks in the shelf, put a curtain in
front, and you have a most convenThis shelf may be made to do its This shelf may be made to do its
duty in various ways, and is a boon to the occupant of the average boarding-house room or to the col-
lege student, for it is easily hung in lege student, for it is easily hung in
any part of the room, holds bric-a-brac or the paraphernalia needed in "light housekeeping," while it may be as decorative or as unostentatious as desired. A most convenient shoe box of the leaves of an old-fashioned extension table, and bears the stamp of an heirloom. An ordinary board
forms the bottom of the box the forms the bottom of the box; the
sides are made of a leaf, sawed in two lengthwise ; pieces of another forms the ends, and an entire leaf is used for the top; simple brass hinges
are attached, and the nails used are quite hidden by little wooden pegs. for no polishing or staining is required; the nails and hinges are apt to be in the box of odds and
ends, and about two hours' work is all that is necessary.
The lover of books requires more and more space as the treasured
volumes accumulate, charming bookshelves may be made by any woman who can drive a nail straight, and it is an exploded idea
that this feat is quite beyond one that this feat is quite beyond one of
the feminine persuasion. These
shelves, built shelves, built in the angle formed by wall and chimney, fill a most unlovely spot and give as well an appear-
ance of cheer and comfort to the chimney correr.
Built in sections, low and broad, they may be set around the room in unbroken line, and the top utilized
for many things. A satisfactory and artistic effect is
given to bookshelves on one side of given to bookshelves on one side of of
the room only, if they are built in three sections with the shelves of
the middle one differing in height from those on each side, as in this way the line is broken and variety
given. A charming effect may be obtained made with a high back, and shelves of the same height placed at each side. This will prove a deliciously
cosy and comfortable nook in which to spend a rainy afternoon whic is a shelf that is placed at a con venient height over the range, on mixing bowls, and all the things that can't be hung up; screw under the shelf the small brass hooks used up the saucepans where they hang easily and quickly reached. Under this shelf is placed a rack to hold the many covers and tops of the

## Gender in English

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& \text { A very good story is current anent } \\
& \text { the recent visit of Japanese naval } \\
& \text { officers to England. }
\end{aligned}
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& \text { officers to England. A certain host- } \\
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\end{aligned}
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& \text { ess, we will not specify exactly at } \\
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& \text { nies of the Katori and Kashim sonon- }
\end{aligned}
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& \text { which port, where the ships compa- } \\
& \text { nies of the Katori and Kashima spent } \\
& \text { some time, had }
\end{aligned}
$$

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& \text { some time, had done all in her power } \\
& \text { to make the visit of a group of of }
\end{aligned}
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& \text { to make the visit of a group of of } \\
& \text { ficers, with whom she came more }
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prominently into contact, of a pleas-

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& \text { ant nature. With feelings of grati- } \\
& \text { tude, her guests came to express their }
\end{aligned}
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\begin{aligned}
& \text { tude, her guests came to express their } \\
& \text { final thanks, and the spokesman of }
\end{aligned}
$$ the group, after recording their united appreciation recording their

done what she had done, expressed the fear that they valuable time. The kindly hostess that she had arrived at suggesting corrections in occasional lapses of the English language. She graceful-
ly acknowledged the thanks, and intimated that, far from " encroaching " on her time, what she had been permitted to do had been to her a
great pleasure. The great pleasure. The correction was
noted, and her guest, with apologies, said he was greatly sorry that in addressing a lady he had

 Now
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Som, printe

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sow ; crushing oats for cows-oats or oats and barley ; ration fors-oats or Sprain of gastrocnemary. disease: lump jaw ; lymphangitiskin

## Gossip

Mr. M. M. M. McGillicuddy, Kenilworth
Wellington
County, Wellington County, Ont., claims January
31 st as the daie for an auction sale of Shortiorn cattle, further notice of
which will te given

Mr. Wi. Smith, Columbus, On makes a change in his advertisement of
Shorthorns in this issue. Shorthorns in this issue. There is
offered a most desirable opportunity to exchange stock bulls. Shorthorn breeders ho desire an exchange should look up ane annual meeting of the Canadian Ayrshire Breeders' Association will be
held in the Monument National Buildin held in the Monument National Building
No. 296 St. Lawrence Boulevard. Mont real, Que., on Thursday, the 14 th .
February next February next, at 10 a.m. The directors
will meet at the Queen's Hotel will meet at the Queen's Hotel (corner
Windsor and St. James Sts.), on the Windsor and St. James Sts.), on the
evening of February 13 th, at 8 o'clock evening of February 13th, at 8 o'clock.
W. F. Stephen. Sec.-Treas. " Now, children,", said the teacher of a class in Greek history after an earnest
lecture of half an hour on Spartan endurance, " who can tell me what we call
a person who bears the ing without wincing ; whe, even if a
wolf were gnawing at his vitals, would make no complaint ?"
For a For a moment no response was made,
and then a little girl named
Brown Brown chen a little girl named Carrie Christian Scientist."

Mildred is a bright little girl of six
 mother in the park when she saw a do
whose species was entirely new to her. That evening she thus described it
her father :
It was such a funny dog, father ; looked about a dog and a half long a only half a dog high, and it had onl
four legs, but looked as if it ought to
Needless to say, her father recogmized from her graphic description that Mi
dred had seon a dachshund. INFORMATION FOR INVESTORS. The buyers of the lakes will hardly
need ores if they make a sale. in vain, it
If silver is not sought for in vait If silver is not sought for in vain, it
may be found in vein.
Sixteen to one is the ratio of capita sixteen to one is the ratio of capita
to labor in the Temiskaming mines. Well, it cannot be truthrully said that
the promoter is resting on his ores. the promoter is resting on his ores.
If there was a mine wherever advertised, Cobalt would be one vast ex-
pansive hole. ansive helle.
Those fellows who buy the beds of the Those fellows who buy the beds of the
Cobalt lakes should have no difficulty in watering their stock.
The future of Cobalt would be brighter more and the public press less. the mines "Speech," says the proverb, "is
silver," but how can you expect silver to make a bood how spech when expect silver to

## Started His Third Dain

 - an sulsWe had the pleasure of starting the third Dain Preses for Mr. Harry Hunter, of Napanee. He is perfectly satisfied with the Daln machine. Selis his bay in all the different markets : Montreal, Boston, New Her Torono and also for the lumber troid

Expresses his satisfaction. Has bad no breaks and vexatious delays. Gets out a capacity of over a ton an hour, and his maohines way ahead of any other he has ever had any experience with

Load after load of hay is being toamed to the cars at Napanee and model of beauty, and each man expresses himself as thoroughly satisfied with the Daln Preas, and has no hesitation in saying that the Dain is the best horse press on the market.
If you ave thinking of buying a press, why not get one of the kind which are giving better 8 t tisfacti $n$ than any other on the market, bar one? Our prices are right. Higher than some, lower than othere

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The Falmohlld Co., Winnipes, Man.,
Western Agents.

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50 Registered Cotswold Ewes From one to five years old. All bred to the imported shearling ram. ohampioa
at the Canadian National Exhibition. Toronnto. 1906. This grand ram if alee
included in the gale. Sals to included in the sale. Sale to oommence at $\mathbf{1} \mathrm{p} . \mathrm{mm}$

## YALENTINE FICHT, PROPRIETOR, ORIEL, ONT.

## E. R. Almas, Auotloneer,

## MITHS• OVARY•TONIC <br> MAKES HENS LAY

Your hens will lay all the year romel, , you will wive them Smith's Overy Tomic

One teaspoonful to four fowls keeps hene healthy strengthens and invigoratee the egg-producing organs-and
tissue due to prolific laying
Only 25 c . and 50 c . a bottle. druggists, grocers, etc.


## AUCTION SALE

At Maple Hurat Farm, KENILWORTH, on
Thursday, Jan. 31st, 'O7, tt 1 p.m. sharp.
Consisting of seven bulls, ranging from one to two years old; twenty fommen at foot, sired by present stock bull, Prince 61878, by Prime Fith aalf er anil Marr Princess Royal, and the balanoe are a choice lot of young helfers, of the
thick, mossy type. Also a few matched thick, mossy type. Also a few matched pairs of road and carriage horsen will
be offered, and a few pure-bred Yorkshre and Berken be offered, and a few pure-bred Yorkshire and Berkshire sows.
Farm: one mile from Kenilworth,
Forest, on C. P. R. All trains met on day of sale from Arthur, oight from unt
M. J. MoGILLICUDDY, Proppletor,

The only medium whloh conveys weekly to the farmers of Canada, the adventiser's place of busle ness, 52 times a year, Is THE FARMERPS ADVOCATR AND HOME MAGAZINE. Subsorlption, $\$ 1.50$

THE FARMER'S ADVOCATE
FOUNDED


Miscellaneous.
legacy ligt.
Is any record kept in this country
legacies left to heirs in Canada by partie enacies lef
in England
Ontario
Ans.
1 Lapsed legacy A father and mother died, the mother
dying about twenty-four hours ahead the father. They left three daughters,
two sons, and oue grandson bellongion a daugtiter now deceased. The whole estate was worth eight thousand dollars. The father had given the oldest son a
farm worth twent barm worth twenty-five hundred dollars,
but took a one-thousand-dollar mortgage
on it. A will was left which rend but wok a one-thousand-dollar mortgage
on it. A will was left which read as
follows: The oldest imlows: The oldest son was to receive
the mortgage clear, with all back in-
terest. The grandson was thent terest. The grandson was to receive two
hundred dollars, to be put in the bank
till till he become of age. The wife was to
receive one thousand dollars for herself receive one thousand dollars for herself
at his death. the rest to be divided
among his three daughters among his three daughters and the
youngest son. As the wife died first and never fell heir to the one thousand dol-
lars willed to her, how will it be divided? Ans. -The thousand dollars in question
falls into and becomes residuary estate, ath goes, part of the accordingly,
to the taree daughters and youngest son cream hard to churn We have twelve cows milking, and are
feeding ensilage, turnips, oat chop and feeding ensilage, turnips, oat chop ard
bran. We have a separator, and always
cool our creven before cannot bring good butter without churn-
ing an hour and twenty minutes, some times more. We churn our cream at 68
degrees: if we times more. We churn our cream at 68
degrees; if we raise the temperature any
higher the butter comes soft higher the butter crmes soft, and we do
rot get all the butter out of the cream.
$\qquad$
which, as a tonic, is recommended, and
is suitable for other stock as well as
pigs Two ounces each of ferric sul-
phate, pulverized gentian, pulverized nux In the advertisement of Messes. bell \& Argue, expert well drillers Hantagenet, Out., by an inadvering
they were represented as exporter
weli-drilling weli-drilling machines. It exporter
read importars. It read importers. See their advertisement
in another column. and give a teaspoenful night and morn-
ing. Exercise daily, ard access to wood box in the pigpen
the case mentioned. ene, should be helpful in a
d.

## COSSIP.

$$
\$ 3,666 \text { FOR } 15 \text { STEERS. }
$$ The grand championship carload of 15

two-year-old Aberdeen-An fus steers at the
late International Live-stock Show were
sold for $\$ 17$ per cwt., live weight, wad
realized for their owner, Funk Brs., of
Illinois, the handsome sum of $\$ 3,666$. They were well bred, well fed of $\$ 3,666$. John II. Wight. Dutton, the beautiful red
 load of champion bullocks, their a feeder bimp.), and has yet for sale eight well-
ones, from six to twenty months replied: "Poke it into them." These old. He also offers cows for sale, with
cattle were put on full feed the first cattle were put on full feed the first of calves by their side or to calve shortly,
January, 1906 , and were finished mainly also eleven registered Oxford Down ewe
on corn and oats, with blue grass pas lamhs on corn and oats, with blue grass pas-
ture and clover hay. six weeks of the feeding During the final
ceived five pounds each daily of oil re-
but had ceved five pounds each daily of oil m
the huron shorthorn sales The twin dispersion sules of the Short-
horn herds of Messrs. W. Doherty H. Jacobs, advertised to be peld at at A.
farms, at Clinton and Bly farms, at Clinton and Blyth, respectively,
on January 15 th and 1 tih, when about sixty choicely-bred Shorthorns will be
disposed disposed of by auction, should interest their cattle. $\begin{gathered}\text { These } \\ \text { hearded berds are each }\end{gathered}$
hy an headed by an exceptionally cincice each
ported Scotch-bred bull. extra ported Scotch-hred bull, extra good an-
mals individually in type and quality, and
bred in the bred it the purple. A qrand lot of
young heifers and bulls, the get of these noted sires, are included in the sales, and
he cows to be sold are nearly calf or have calves at foot, by these imported bulls. While the pedigrees shov
that many of the animals are of desir
able Scotch-hred able Scotch-bred families on the dam's
side, all are topped
similat similar breeding, and many bood hires of These strains are also represented good milk apart, both near town ond twelve miles practically one in on one trip, and a
onnction
Clinton is

junction point on the stratiord to Coderich and the London to Wingaam bratches of the G. T. bratohes of the G. T. R... 322 miles from Stratford and 50 miles north from Lon-

Mr. W. H. Gibson, Manager of Hunu4
wood Farm, Beaconsfieldwoot Farm, Beaconsfield, Que., has a
special advertisement of young Short-
horn bulls in this paperhorn bulls in this paper, and whites
andyoung bulls. Teally a very superior lot of
just is in grand shapejust now; calves coming on fand shape
first-prize cow at Torortonirst-prize cow at Tororto, Lavender
44th, has just dropped a very good roandam. I.avenster 42nd, has a beautiful herThere is a wonderful demand in all thcombination saldle and harness fors
withbig prices and beauty. Such horses bring ane shers.
s they appear on the market. as quickl.
Ridingthe way, seems to be increasing ing,and it is a sourpe of pleasure women,hat in most cities women are adopting
the crosshe cross saddle, which makes ridingmore healthful, more sensible and much
safer. A combinatioused under saddie and in harness also.
makes ridingmakes riding anddle and in harness also. driving possible tomany who would not, otherwise, be able
to enjoy loit forms of recreation.
arman injury is often inflicted upon
y serious consequences withearing to suffer
internal injuries, the effects of whing
reful exmmination the next morningcircumstances it is sure toTAM BIRD SEED
EDMONTON LandsV. D. Tomes dermecom 814, Edmonton, Hox
The London
Show for 1907are ofered in many classes, includingbreeding, Hackney and pony Hackney
stallions, mares and fillies, for producc
andand family groups, fillies, hor produ
and harness stockin great variety. Notice is given the
in 1908 and future vears,in 1908 and future years, stabling will be
provided for 700 horses. The secretaryprovided
is
St
Square, London $W$
AyRShires for abroad
$\qquad$
$\qquad$and in increasing demandMONEY IIN COMARIESCOTTAM BIRD SEED38 Bathurst st., London. Ont

SHEEP DIP-STOCK FOOD.

JANUARY 10, 1007

## QUESTIONS AND ANSWERS.

 Miscollaneous.ROSBbUDS BLASTING-bEGONLAS-mik 1. We have several rose trees which re-
main outdoors; some of the bulbs bloom main outdoors; some of the bulbs bloom
out, but more than three parts of them die away; seem to rot before blooming.
Would like to know the cause. Would like to know the cause.
2. We have several Begenias which 2. We have several Begonias which
have insects; on one I notice they are white and seem to cling into every little
slip; and on others the insects are green They say the smoke of a pipe is good. I have done that, and also washed the
plants, and that seems to have done ver plants, and that seems to have done very
little groo. Would like to know of something better, for the plants seem of to
be dying away.
3. What is good to take stains of
ink out of linen ? Ans.-1. Sour soil, arising oftentimes
from imperfect drainage, poor soil, or extreme dryness of the soil for even a roots, will spoil the flowers. Roses the moisture, but not enough to sodden the soil. Buds produced from wood not
properly hardened or ripened are oftem properly hardened or ripened are often
imperfect. Early in December is a good time to put a light covering on rooes that are not quite hardy. Keep the covering on until about 1st of April, as
March is a trying month usually. Un-
cover them cover them in dull mild weather, if
possible, even if you have to wait a few days for suitable weqther. It is usually
an extreme condition of some kind that an extreme condition of some kind that
causes the trouble; oftentime as muoh
from mistaken overkindnesa neglect.
2. The insect on your Begonias $\left.\begin{array}{c}\text { W. } \\ \text { probably }\end{array}\right]$ probably the meally bug. To remove it,
syringe the plant with fir-tree-oil-soap syringe the plant with fir-tree-oil-soap
solution. For directions, see "With the
Flowers." Flowers " of this issue.
3. To remove ink stains from linen, 3. To remove ink stains from linen,
apply liquid solution of oxalic acid, 1
pint of the solution to pint of the solution to be mixed with ${ }^{2}$
parts water. Rub in with a soft cloth, parts water. Rub in with a a soft cloth,
then wash well, and, finally, rinse in ammonia to prevent
fabric.

Ration for DAIRY cows. Please tell which is the best of the fol-
lowing feeds for milking cows: Gluten,
$\$ 1.25$; corn meal $\$ 1$. $\$ 1.25$; corn meal, $\$ 1.20$; bran, $\$ 1$ per
cwt.
SUBSCRIBER. Ans.-Our inquirer should have specified
whether he meant gluten meal feed. Gluten feed is the entire corn
grain leas the ater grain less the starch it carries. It is
rich in ether extract (fat) and protein rioh in ether extract (fat) and protein,
and is well suited for dairy coil Gluten meal does not contain either the
mull or germ and is usually richer, hull or germ and is usually richer, pound
for pound, than gluten feed. Both gluten meal and gluten feed, however,
vary widely in composition, the particular brand. The following
tomporita, accolding to figures will give a fair average ideang of
how they compare with corn meal and
bran: how they compare with corn meal and
bran:

Per
cent.
 $\begin{array}{llll}\text { Giuten meal... } & 25 & 40 & 10 \\ \text { Gluten feed } \ldots . & 20 & 50 & 4 \\ \text { Corn meal } \ldots .26 & 6.26 & 65.26 & 4.50 \\ \text { Wheat bran } . . . & 12.01 & 41.23 & 3.87\end{array}$ From the above, it is plain that a good
brand of gluten meal or even brand of gluten meal or even gluten feed
at $\$ 1.25$ per cwt. is \& muth more
economical feed for dedry cows than bran at $\$$, and very much oheaper than bran
meal at $\$ 1.20$. Of course, if the
On age consisted of alfalfa or or clover hay
a certain amount of corn vantageous to help balance up the radtion; but, ordinarily, the roughage is such
that a concentrate rich in protein as gluten meal, gluten feed, or ooll cake, is
needed. Bran is excelle needed. Bran is excellent for the pur-
pose, being valuable for its effect pose, being valuable for its effect on
digestion, as well as for its composition. Bran also possesses an ash content that makes it a specially valuable contribution to the manure pile. It is
nearly always advisable to use nearly always advisable to use a little
bran in a ration for dairy cows, but at present prices it is economical to substitute a part of the usual bran allow-
ance with gluten ance with gluten meal, gluten feed, cot-
tonseed or oil-cake meal. We would gonseed or oil-cake meal. We would sug-
gest, confining ourselves to the above-
mentioned gest, confining ourselves to the above-
mentioned feeds, a ration of: Bran, 3
lbe. corn Ibe.; corn meal, 3 ibs.; gluten meal, ${ }_{2}$
lbs. per head per day, to be fed lbs. per head per day, to be fed in con-
unction with clover hay and corn silage or corn fodder.

THE FARMER'S ADVOCATE.

I have sent one new subscriber, th stead of marking date six moberiber, whd in
tell how manths forwar stone how many yards of sand and broken (doors and windows every 10 feet, win-
dow $2 \ddagger$ feet by 4 , stable ${ }^{21} 46$ feet by 4 feet) are needed for 15 inches thick.
broken stone and barrelds of sand and floor, 4 inches thick ? 3. For cenent aroh, 12 feet by 24 feet,
for approach to barn. Ans.-1. When ordinary gravel is used and mixed ten parts to one of Portland cement, 128 cubic feet of gravel and 3
barrels of cement are suffctent for
cubic cubic feet of wall. Enough sand should be used with broken stone to shll up interstices, onehalf as much sand as atone
would probably be would probably be enough, and the prodifier greatly from that used with gravel. According to this, 90 barrels of cement and 110 cubic yards of sand and broken
stone would be necessary. stone would be necessary.
2. For floor, 40 barrels
50 yards of sand and broken stoment and 3. A tremendous amount of concrete i required for construction of arch ap on thickness and style. To lessen cosit, some are now, with good results, using
ondinary walls, with ordinary walls, with level or slightly-
sloping cover of sloping cover of about a foot in thick-
ness, atrongly reinforcoed with steel wire.

> UNSATISFACTORY WINDMEL
ago last an order for a windmilli a year work as good as any other guaranteed to does not do so. The aghonts have tried called for work, but cannot. The order but the mill doesent on Nov. 1st, 1906; been settled for by note or payment not 1. Can the company collect payment? 2. Is the order null and voidd after
Nov. 1st, 1906 ? 3. I gave the company warning to take
the mill the mill away in order to get something
else is to put water into my stables; but else in to put water into my stables; but
they would not do so. Wo have to take they would not do so. Wo have to take
our stock out quite a distance to mater and oue of my horses came near weing
killed on the killed on the ice while going to water.
Can I come Can I come on the company for
damages?
antario READER Ans.-1. No.
2. No; but it is not effective for the purpose of compelling payment by you, inder the circumstances, for the windmili 3. You are entitled to some compene tion for the windmill being left on your hands after notioe to the company in
remove it, and you should make mand on them for such mompe ar and at same time renew your notice to.
An ERRONEOUS CERTIFTCATE.
which is divided inte at an examination ure in one subject means failure in the in the other group. A writes on one group. and is succesaful in all the subjectas but
one. B, who is one of the examiner one. B, who is one of the examiners, in-
forms A verbally that he has failed. Shortly, later, A receives a certificate from the Baard of Dinectors to the eflect that he has passed with honors in both groups, when he only wrote or one ; the
mistake being all on the part of one of the examiners. Could A force the
Board to recognize, and accept his cerBoard to recognize and accept his cer-
tificate, and, if so, what stepp tificate, and, if so, what steps shoubd be
taken?

## Quebec.

poll tax-dividing line frice 1. A young man who is out of the
country at the time of the annual sohool meeting, wishes to know if he is exempted from paying poll tax. 2. Can a man with property refuse
paying school tax $^{\text {(poll tax), though }}$ away from the country ?
3. $A$ and $B$ wish fence equally divided. A and B wish have a line
Should the width of a main road which runs through B's
share be left out, share be left out, or must it be
measured ? measured ? Probably not. A. B. C. 1. Probably not. ror such property.
3. It
reckonding.


## Buy the Strongest Manure Sproader

 The "Suceress."You never gaw a " Sucorss", Mranure Spreader with the sides of the box butering
out, or the silla separated and sageing.





The "successs" will prove a prontable investment-not an annoivine oxpense.
Complete
to-day.
THE PARIS PLOW COMPANY, LIMITED Parls, Ont., and Winnipes, Man.


## CARnefac <br> is just what

THAT THIN HORSE NEEDS
THOSE STEERS that are not thriving need only CARNE FAC to bring them on. CARNEFAC brings results BURE

The Camefac Stock Food Con,
Tomonto.
When Writing Advertisers Kindly Mention this Paper.

## Leading - Slowly to Paralysis

 DETECTED AND CURE BROUGHT ABOUT BY USINGDr. Chase's Nerve Food

It is customary to consider paralysis, insanity and other diseases of the nerves
is. a fitictions which come upon a person staflictions which come upon a person
without warning and which are, there fore, unavoidable.
As a matter of fact, such results are
preceded by months, if not years, of symptoms which point to an exhausted symptoms are such, however, that many ass them by as not being of serious conwarn and thinking
Sleeplessness, nervous headaches, indi-
geastion, bodily weakness, fainting sells witching of the nerves, inability to concontrite the amoughte and lose of $t$ is sometimes only a nervous system. symptoms to prostration, paralysis, loco Stimulants and narcotics
limes affording temporary rough some only Chasten the exhaustion of the nerves. Dr. Chase's Nerve Food, on the other hand, depleted nerve cells.
Naturally, gradually and certainly this
great medicine instils into the blood and great medicine instils into the blood and
the nervous system the life - sustaining principles which replenish the nerve force in the body and so effect lasting benefit. - Miss Emma Scott, Athens, Ont., writes: World of good. I was troubled with
fainting spells, bodily weakness and spent restless, sleepless nights. I frequently had cramps in the stomach, and would
at times become entirely insensible knowing what was going on until other told me afterwards.
they told me I was threatened with par not cure me. After suffering for could years, I began the use of Dr. Chases's
Nerve Food, and it has done me more good than all ter Chase's all dealers, or Edmanson, Bates \& C C
CHAMPION EVAPORATORS
Sugar-
Sugar. Makers Over 67,000
throughout the
male belts of Canada and the United States.
Hegel more than the combined output of ali
other manufacturers.


Sap Spouts.




 The Grimm Mig. Co., 58 Wellington St., Montreal Huntlywood Shorthorns.
 hooks, Lavenders
Prices reasonable.
W. H. Gibeon, Manager Huntlywood Farm.
Learn a Tpade-plumbine



## QUESTIONS AND ANSWERS.

 Miscellaneous.COW GIVES thick mill One of my cows gives thick milk.
After being separated, $a$ thick substance After beitry separated, a thick substance
adheres to the separator. Can you ex-
plain adheres to the s
plain the cause?
Ans. -This cow has either received an
injury to the udder, or her system is de ranged, or botany. We should recommend living her about 1\% lbs. Epsom salts in the form of a drench. Her udder should be carefully examined, and if any injury
can be located, bathe with some form of liniment, such as turpentine, vinegar and
ammonia, or ammonia, turpentine ammonia, or ammonia, turpentine and
linseed oil. mixed in equal parts. meormation about cement shes. I value "The Farmer's Advocate" highly for its practical worth to me, and is always a pleasure to speak a good ord for it. Just now, I am interested and would be pleased if you can suggest some good practical work on this sub-
jet that would lect that would be helpful to one in
building same, who has experience in building concrete floors, etc. A. B. Ans.-More practical and up-to-date in-
ormation on the construction of roundcement silos will be found in the earl especially the January 11th number, that especially the January 11th number, that
in any book or bulletin we know of. COW HoLDing UP HER mule. What is the cause of a cow holding up
her milk, and what the cure ? A. S. Ans.-It is generally supposed nervous affection, due to fright or strange
surroundings. It is frequently due ought treatment, grooming with a club, The protest of the cow is shown in hold hg up her milk, and is justifiable cb-
stinacy. The cure is kindness, gentle grooming with a brush, and a feed of a
couple quarts of meal or bran and while being milked. If this does not
work, try placing a grain bag over her
loins, weighted with Wins, weighted with sand in each end,
while being milked. A London milk-
man states that this in his experience.
TO AVOID TURNIP FLAVOR. I would like to hear from some one
mere men who have had experience feeding turnips, whether they can be fed
without affecting the flavor of milk. Ans.-This is an old point of dispute,
on which the most voluminous discussion on which the most voluminous discussion
never seems to result in agreement.
Turnips are rarely fed without Turnips are rarely fed without danger of
affecting the flavor of the milk ; but by feeding moderate quantities, and always after milking, so as to avoid the smell
of cut turnips in the stable where cut turnips in the stable where the
milk ing is done, the effect on mill butter may be the effect on milk or
gentile quantity centible quantity. Indeed, after a time
the slight flavor will become quite unche slight flavor will become quite un-
noticeable to those accustomed by several
weeks' use of products containing it. OLe
point to be observed in feeding turn point to be observed containing it. OLeding turnips
s not to start in heavily, else the cows
sill be started scouring aver aggravated thereby.
LICB ON HORBES-CoRN FOR BEEF
CATTLE. CATTLE. FOR BEEF

1. What is good for lice on horses?
2. Which is the better to feed beef
cattle just corn, or is it better to feed a
little chop, or is whole grain better ? Ans.-1. Try one of the proprietary
sheep and cattle washes. A cheap and simple remedy for lice in cattle, recom-
mended at the Ontario Winter Fair a
year ago, reported in these colum since approved by a subscriber who tried
it, is a mixture of ordinary dry cement ind is a mixture of ordinary dry cement
and insect powder sifted into the hair on
the back of the animal. The cement
alone is good, but the addition of the in-
sect powder is recommended to make it the back of the animal. The cement
alone is good, but the addition of the in-
sect powder is recommended to make it
more effective. The cement, being heavy,
settles down n the

OX-EYE DAISIES IN HAY. sale, in which there is ox - eye daisy, which did not know was there. I ga my note for the hay before I started to
draw it away. Can they compel me to draw it away. Can they compel me take the rest of the hay, or any? have drawn $3 \ddagger$ tons. I took this in on
day. The hay was $\$ 10.25$ have sent some of the seed to Guelph for analysis. I don't know if the seed

## Ont. Ans .-J

Ans.-Judging, as A SUBSCRIBER, facts contained is we must, from the
mont mont alone, we think that you are legaland to pay the note at its dance of hay may be that there were representation made in the advertisements of the aud the time of the sale, that might material-
my affect the matter. but there is nether in the statement before us to is nothing mash was the case.
moshroom-growing. cellar, and am thinking of using it for mushroom-growing. Can you give me any information as to how to start and manage the beds, and the probable costs and profits, etc.? old subscriber. Ans.-It would not be advisable to grow
mushrooms in the cellar under an pied house, as the flor of the manure which must be used would go through it. If your cellar is apart from the house, it may answer the purpose very ever, easy, so much depends upon the spawn being good, and upon the condilions being exactly right. Prepare the beds on the cellar floor by making rough,
box-like enclosures box-like enclosures of plank about 15
inches in depth, and held in place by
scantlings. scantlings. The beds should be be 3 or 4
feet in width, and the floor of the cellar
and the wall and the wall at the side may be used to
save planks. If success is assured save planks. If success is assured, several
tiers of beds may be built one above the
other, the fay tiers of beds may be built one above the
other, the floor of each tier being a
least one inch in thicknomen east one inch in thickness. The cella
should have some ventilation, but the
should be no air should be no air currents crossing the the
beds. The best material for the beds
has been found to has been found to be horse manure with-
out much coarse straw. The manure
shawl should be piled in some sheltered manure
a pile from
be
to 4 feet deep, and should be allowed to to 4 feet deep, and shout not, to burn,
condition which will be the ing white inside. If this whiten
should show sign its should show signs of appearing, the pi l
should be turned. In any case, after it
well heated, it should well heated, it should be turned circe
two or three days if if the heating pro very rapidly, every day. If it should get
too dry, water should be sprinkle make it moist. In 15 or 18 days, it
should be ready for the beds, but should
not be put into the is down to 100 degrees. The. manure
may now be put into the beds, the mere
straws straw material in the bottom. As each
layer is put in, it should be thoroughly
tramped down; finally 1 inches of soil-rotted sod is bost-i
placed over the top. The spawn mus
not be planted at


Sold under a plain GTAR that keeps your roof good for 25 years. With decent care, an Oshawa-

## Easy To Put On

With a hammer and a snips (thinners' shear anybody can
put Oshawa
Shingles on
perfectly.
Locked on
all form
sid er in see
the side lock? It drains the water cant that water cant seep (see below) makes whole roof practially one piece and sheds water quick Made in one grade only-28-guage semi-toughened steel,
double-galvanized (saves painting).

Wind - water - and - fire PROOF. Keep buildings safe from Lightning. Cost only $\$ 4.50$ a square (10 $\mathrm{ft} . \times 10 \mathrm{ft}$.) Send for bookhow little a a RICHT roof costs. Address The PeDlar Of Oshawa
$\qquad$
69 Dadas
Vancou

Mount Birds

 $\substack{\text { of } \\ \text { of } \\ \text { nh e }}$ $\substack{\text { in } \\ \text { ind } \\ \text { ind }}$


## 

 ny single kind.erred to whole

JANUARY 10, 1907
THE FARMER'S ADVOCATE.
this estion

D STEEL
stiffbned ltmbs of pige
I have a pair of Yorkshire sows, al
eight months old, that I am keepin
roody sows; am keeping them i
rom stall in a bank stable good dry plank floor. They have te
very thrifty till about two weeks ag
when the sind very tiarifty till about two weeks a
when, suddenly, they seemed to
stiflened up in their stiflened up in their limbs, and go ri
off their feet. They laid around for
or three days, and then seemed or three days, and then seemed about al right again for a while, but took anot ier
bad spell. I have been feeding them a bad spell. I have been feeding them a
liberal quantity of good chop mixed wit bran, also a few mangels twice a day. Will you please tell me, through the the cause of the trouble, also what what is ment I should give them in the future ? Ans.-Lack of exercise is probably th feoding. They should run in the liberal yard every day for a few in the barn-
grain being scatterad some grain being scattered on the ground, or a plank platform for them to pick up,
keeping them in exercise. A mixture keeping them in exercise. A mixture of
wood ashes and salt should be kept in a low box in their pan, so they can take it at will. We shculd not expect stron
litters from sows cooped up in stall in a bank barn. Clover in a baves
cut clover hay mixed with their with pulped roots, would be good f

## Veterinary

sprati of gastrocnemi tendons. Horse became lame it near hind le the leg, atove the hock, is swollen, an Ans.-This is spryand. G. H. H. Alister with the following: Two dram each tiniodide of mercury and cari-
tharides mixed with 2 ounces veseline Clip the mixed with 2 ounces vaseline. bite the parts; rub well with the blister
daily for two days, and on the thind day wash off and apply sweet oil. Turn loose in a box stall now, and oil every
day. If not better in two weeks, blister

> SKTN DIEEASE.

Brood mare has scales all over he back. Under the scales is a thin matter
She has been on pasture all summer and Ans.-This is either eczema or W. W. If the latter, very prompt measures must
he adopted. The Dominion Government he adopted. The Dominion Government
must be notified, and a man will be sent to isolate and treat her, and take all
other means of preventing a spread other means of preventing a spread o,
the disease. If the trouble is eczema, cure can be effected by dressing, every second day, with a four-per-cent. solution
of creolin or Zenoleum, heated to of creolin or Zenoleum, heated to 100 d
grees Fahr., and applied thoroughly wit a brush. In would advise you to ca your veterinarian in to examine and ad
vise.

LUMP JAW
I have a heifer with a hard lump
throat, juat at swallow, inside of bone. Please advise me what is best
do. do.
Ans.-Douttless it is a case of lum
jaw. If the bowe is not affected, have your veterinarian dissect out the lum Stitch the skin neatly, and dress wit a five-per-cent. Solution of carbolic aci
until healcd. iodide of potassium treatment. Com
mence by giving dram doses, three tim
methoon the cream is raised. If a maily, gradually increasing the doses un
$\qquad$ being skimmed. The cream should test
25 or 30 per cent. butter-fat. taken to the creameryman would be the ream were being taken. The thicker
the cream the easier it churns the cream the easier it ohurns. It ma
se the churning temperature has bren to low. Churning temperature has bren too
low. Then, there is a very great
lifference in the churnability of milk Trom various the churnability of milk
comy skimming hicker cream, ripening more carefully,
nd churning at higher temperature. If he trouble persists, churn each cow's ream separately once or twice, and the
rincipal trouble will probably be laid a
toulouse aesse.
ould you, through your columns, ted
Ans.-Breeders having SUBSCRIBER.
uld advertise them

How Fammers are to Obtain Hired Help







> Iman with hamilly t ave...........
 have you for a marrited man
Nat youre of employ wife duties
What wages (separate) per month will you pay wife How many single men do yourequire?
oh requir experienced or inexperienced hetp?
What wages per month will you pay an experienced mar
What is the ourrent rate of wages in your locality for ineaperienced
If we cannot furnish experlenced inan, do you agree to inexperienced hatp
being sent? abino sent?
Can you employ man all the year round f....-1.+.f.4.t.A.............. Did you receive a man from the $\mathbb{S}, \mathbf{A}$. Immigration Opce last year 4. Have you applied to any pther Imitioration agency for help ?
 situation for nioht, and intereot yourset win yraing him another REMARES (Outline fully your requirements):i. We take this procention to avoid
unneoessery hardshlp.


"Rapid-Easy" GRINDERS
Are all their name implies: Rapld wonly , power. They do mome work with; any powep. Prloes. nade in alrep to suit
of Inferlo machines. of Inferlor machines.
made. Works well. I think it is the best arincter



J. FLEURY'S SONS, Modals and diplomas: Word AURORA, ONT.

NOTICE. Whon writing advoviloont pleare


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 IDEAL FENCE
$45=5$ Hotavatugtava

is the Aryment sound? fownerivith


1

TEE ment proce co. IM


CLEARING AUCTION SALEI 33 Shorthoms
At Gion Park Farm, Clinton,
Tuesday, January 15th, 1907
17 comen 12 hatrom, 4 Bule
Comprising my entire herd of choicely-bred Shorthorus. Sale held under 5 per cent. interest. or 9 months' credit on approved joint notes bearing
W. DOHERTY, CLINTON, ONTARIO.

Capt. T. E. Robeon, Auctionee
Sale catalogues on application

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## Huron Herd of Shorthorns

BLYTH, JANUARY 16th, 1907
12 Cows, 11 Heifers, 8 Bulls
 amo

Capt. T, E. Robson Auctioneer.
A. H. Jacobs, Blyth

QUESTIONS AND ANSWIRS. Miscellameom


2 no man
 Nomy nown in ritgive

Ami -1 ratro bemmar or

 as so Nita


2

































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 Iitte whole grain at nono. preaterably
orn 1 doubt whether it will pay you get egss trum duch ing in will pay you
Nerience
is thy atchence is that winter winter. My
vater
well
In


 O.A. Co

## Cossit

During the thirty-eight years that a been awarded at the shows of the $S$ mith field Club, it has been won sixtoen times
by Shorthorns, eleven times by Shorthorns, eleven times by Aberthree time

Poultry Prize List Ontario Wir bR tor Fafr.

 2
 $\%$ E. Smatel

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 Coderail, $R$
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 H. H. Wathor Antarers, and










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 Graham ; 5, P. Daley \& Son.
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3. Wm. Daniels. Cockerel-1, Jas. Arthur; 3, Wm. Dandels. Cockerel-1, Jas. Arthur;
2 and 3, Alfred Flawn ; 4, Wilber Lemon.
Pullet-1 and 3, Alfred Flawn. Pullet-1 and 3, Alfred ' Flawn ; 2 and 5,
Garland \&i Gilchrist ; 4, Wilber Lemon. WYANDOTTE, BLACK. - Cock-1, R. P. McDonnell. Heward Fraleigh; 3, Frank
P, Howard Fraleigh;
2, W. Howard 2, W. Howard; 3, J. \& G. Bogue.
Cockerel-1, Howard Fraleigh ; 2, Frank 1 and 4, R. Dinner ; 2, Howard Fraleigh;
3, W. Howard. PARTRIDGE. -Cock-1 L. C. Sage: 2, Wray Bros.; ${ }^{2}$ 3, Lock-1
Smith. $\quad$ Hen-1, L. C. Sage: 2, Wray
Bros. Bros. : 3, Wilber Lemon. Cage Cokerel-1, 1,2
and 4, T. I. Scott; 3, A. Garthorne
Pullet-1. Alfren Yullet-1, Alfred Flawn; 2, Wm. Mona
han ; 3 and 4, T. H. Scott. WYANDOTTE, COLUMBIAN.-Cock-
and 3, T. H. Scott : and 3, T. H. Scott, ; 2, W. Prauschke
Hen-1 and 2, T. H. Scott. Cockenel-1
and 3, T. H. Scer


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EXETER, ONTッ, 2 Hackneys




Imp. Clydesdale Fillios!



 $-=-{ }^{-1}$
 Walter H. Butler; 3, John W. Benso
Hen-1 and 3 , Walter Hen-1 and 3, Walter II. Butler; 2, John
W. Benson. Cockerel-1 and as Wan
H. Ben H. Butler ; 2, Morley \& Earle. Pallet-1
and
and 2, Walter H Hulter and 2, Walter H. Butler ; 3, Morley \&
Earle. GAME, RROWN-RED-Cock-1, A. H


GAME, DUCK-WING.-Cock-1 and Barber; 3, Jas. Philpot \& Son. Hen-
and 2, W. Barber ; 3, Jas Philpot
 2, W. Barher: 3, Jas. Philpot \& MMF, PYLE.-Cock-1, John Parkin
2, A. H. Trebilcock:
3. Tom Sher k. Aen-1 Trebilcock: 3, Tom Sher
Tom Sherlock
3, John Parkinson
 m Sherlock.
(Continued on next page.)
 $+8$ Java, RLACK--Cock-1, Richard Oke



 Rhole island rens.Cock-1, w
 Cockerel-1.1. Ottawa Poult Poultry Yarcie

 Pullet-1, T. H. scott; 2, Doth Sage
MeNeil



After the railway accident: "Did yer
get compensation, Bill ? "\% y pounds me and five pounds the missua, " She wasn't mind to fetch ber one on the "ead with
me boct."


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$1)^{\substack{\text { Ansen }}}$ CAUSTIC BALSAM. ar or mempenibe bione from LLUAME COO, Toromite, Canad

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Ploase Mention this Paper
$\left\lvert\, \begin{gathered}\text { Game, indian, Any variety. } \\ \text { Cock-1 and } 3 \text {, Topping \& Finchamp ; } \\ \text { Chas }\end{gathered}\right.$ Cock-1 and 3, Topping \& Finchamp ; 2,
Chas. LaRose. Hen-1 and 3, Chas. La-
Rose 2, Liddon Bros. Cockerel - 1,
Topping Fidon 3. Liddon Bros. Pullet-1. Topping \& 3. Liddon Bros. Pullet-1. Topping \&
Finchamp; 2, Chas. LaRose: 3, Topping © Finchamp. GAMF. SUMATRA BLACK.-Cock-1,
2 and 3, Fred D. King. Hen-1, C. 2 and 3, Fred D. King. Hen-1, C. J.
Daniels ; 2 and 3, F. D. King. CockerelDaniels; 2 and 3, F. D. King. Cockerel-
1, C. J. Daniels , 2, A. H. Graves ;
F. D. King. Pullet-1, C. W. Daniels. F. D. King. Pullet-1, C. J. Daniels ;
and 3, F. D. King. and 3, F. D. King.
GAMES, BIRCHEN.-Cock-1, W. Bar
ber. Hen-1, W. Barber: 2 and 3 , Wm ber. Hen-1, W. Barber: 2 and 3, Wm
J. Teale. Cockerel-1. A. H. Trebilcock
2. W. Barber ; 3. Wm. J. Teale. Pullet2. W. Barber: 3, Wm. J. Teale. Pullet-
1, W. Barber: 2, A. H. Trebilcock. GAME, A. O. S. V.-Cock-1, M. T
Burns \& Son, 2, Liddon Bros.
Hen-
and $3, ~ M . ~ T . ~ B u r n s ~ \& ~ S o n: ~$ Eros. Cockerel-1 and 2, W. A. Mc-
Master; ${ }^{3}$ 3. Thos. Finn. Pullet-1, Thos.
Finn: Minn; 2, W. A. Mc.Master.
MEGBORN, R.-C., WHITE.-Cock-1
M. R. Hoover:
 Hoover; 3, H. C. Jay. Cockerel-1, M. M. R.
Hoover; 2, Richard Oke: 3 W. M, Rell Pullet-1 and 2, W. J. Bell; 3, M. R.
P. Hoover.
LEGGORN, S.-C., WHITE.-Cock-1, 2
and 4, Dr. R. C. Coates ; 3, Wm. Fergu-

 and ${ }^{5}$ Mr. R. C. Coates: 6 and
Donald McKellar: 7 , Thomas Wandell
10, F. Syer Pult 10, E. Syer. Pullet-1 and 6, Donal
MCKellar: 2 and 4, Wm. Ferguson.
F. Wales: 5 and F. Wales ; 5, Jas. L. McCormack; ${ }^{\text {L. }}$ an
8, Thos. Wardell ; 9, Wm. E. Hoggarth
10, John Durst. 10, John Durst. 9, Wm. E. Hoggarth
LEGHORN. BLACK.-Cock-1 and 2,
c. Doan . W. W. C. Doan ; 3, W. M. Osborne. Hen- 1, ,
H. Edsall; 2, A. C. Doan: 3, Russe
Chant. Cockerel-1 Chant. Cockerel-1 and 3, R. Chant;
W. M. Osborne ; 4. J. H. Edsall. Pullet
$-1,3$ and 4, W. M. Osborne :

## LEGHORN, R-C., BROWN.-Cock- Wm. C. Wilson \& Son. 3, W.

## Cadman: 3, T. J. Conley ; and 2, Wm. W. W. Cozer. Cockerel

Tozer. Cockerel-1, H. R. K. Tozer :
and 4 , Wm, Cadman ; 3, Wm. C. Wiso
\& Son. Pullet-1 and 2, Wm. C. Wils

## Tozer. LEGHORN, S.C.

LEGHORN, S.-C., BROWN--Cock
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 and 3. H. Becker ; 4, Fdward Orr ; 5, G
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haimine bros., Hiehgato. Ont. Kont ce.


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sound, Ont.
$\qquad$
$\qquad$ Will, by Derby (imp.), and out of a fine
buchess cow, by a sor of Saladin rand young bull, by Derby Desboro,
It
of the Wildame.), and of the Wildame cow, Vendetta,
W. Hodgson, Owen Sound the a cow. Amable Queen, by a son o
aladin (imp.): to Chas. W. Dunlop
paford, the bull, junior champoion at
ven Sound, 1906, got ly Derby (imp.). n Sound, 1906, got hy Derby (imp,

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Two imported yearling bulls. Two
imported bull calves. One home-bred
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rightily bred. Also imported cows wits rightly bred. Also imported cows with
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ing thorthr
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 Brooksdale, Ont. High-class Shorthorns - We are now offir.

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tis) ting (15), \&1.0. Choice young stock for sale
Write for prices or come and seg.
Scotch-bred Shorthorns Seven buls from 10 to 18 months old, also cows
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 Shorthorns for sale- Five choice bulls, ail
 ALEX. BURNS. Rockwood P.n. and G.t.R. Sta.



## Kee. Pullet-1, Harry McKee; lace McGlennan ; 3, Allan Bcgue

 DORKING, COLORED.-Gock-1, J. H.Warrington ; 2, Jai. II McCormack Hen -1, Jas. M. McCormack ; 2, J. H. War-
rington. rington. Cockerel-1 and 3, Jas. M.
McCormack; 2, J. H. Warring
Put McCormack; $2, \quad$ J. ${ }^{\text {H. }}$ Warrington.
Pullet-1 and 3, Jas. M. McCormack : 2,
J. J. H. Warrington.
DORKING, WHITE.-Cock-1, J. H. DORKING, WHITE.-Cock-1, J. H.
Warrington; 2 and 3 , Allan Begue. Hen
-1 and 3 , Allan -1 and
rington. Allan Bogue; ${ }^{\text {Cockerel-1, }}$ Allan B. Har-
Pull Pullet- 1 , J. H. Warrington.
ORPINGTON, BUFF.-CockORPINGTON, BUFF.-Cock-1 and 5,
Colin M. Blyth; 2, A. W. E. Hellyer. Colin M. Blyth; 2, A. W. E. Hellyer; 3,
W. Dawson; 4, H. A. Hofman. Hen-1
and 2, J. W. Clork; and 2, J. W. Clark;3, Colin M. Blyth; 4
and 5, A. W. E. Hellyer. Cockerel-1, J.
W. Clark: 2, P. E. Aird. W. Clark; 2, P. E. Aird; 3, A. W. E.
Hellyer ; 4, H. A. Hoffman ; 5, Robert Barnes; 6 and 9, Alfred Boulthee ; 8,
Colin M. Mlyth ; 7, J. S. Niven; 10, Wm. Daniels. Pyth; 7, J. S. Niven; 10, Wm.
Barnes: 4 . 2 and 3, Robert Barnes; 4, Dr. D. Marr; 5 and 10,
W. E. Hellyer 6, Jacob Sanderson;
and 8, P. E. Aird; 9, G. B. Carbert. ORPING TON, BLACKK.-Cock.-1, H. A
Hofmman ; 2 and 3, H. J. Hurd; 4 Kemp \& Waterman. M, Hen-1, H. H. A. Hoff
man ; 2 and 5, W. Dawson ; 3, E A. Rawlings ; 4, M. II. Stroh. © Cockerel- -1,
M. H. Stroh; 2, C. J. Daniels ; 3 and 5,
Kemp \& Waterman ; 4, Jas. R
 3, P. E. Aird ; 4, 8 and 9, H. A. Hofft
man ; 5, W. Dawson ; 6, C. J. Daniels
7, W. Dawson : 10, H. 7. W. Dawson ; 10, H. J. Hurd.
ORPINGTON Roberts ; 2 and A. B. W. D.-Cock-1, W. A
and 2, W. Dawson. Henand 2, W. Dawson ; 3, W. H. Reid
Cockerel-1 and 2, W. A. Roberts; 3, W.
Dawson. and
Cockerel-
Dawson.
Roberts;

## HOUDAN.-COck-1, Geo.

J. Lawrie ; 3, Wm. Wilson \& Sogroff; 2, G.
-1 . Pen
-1. $\begin{array}{ll}-1, & \text { Percy Charton; 2, H. } \\ \text { Son ; Ruby \& } \\ \text { \& }\end{array}$

 Bogue.
HAMBURG, SILVER - SPANGLED.-
Cock-1 Cock-1, Wm. Cadman; 2, R. Oke. Hen
-1, Jas. Baptie ; 2, Wm. Cadman ; 3, R. Oke. Cockerel-1 and 2, R. ORe; 3 , 3 ,
Wm. Cadman. Pullet-1, J. Baptie; F. W. Krouse ; 3, w. Cadman.
HAMBURGS, GOLDEN-PEN Cock-1, R. Oke ; 2, H. Liszt and 2, R. Oke: 3, H. Lisat. Cockerel-
1 and 2, R. Oke; 3, T. McMurray
Pullet-1 and $2, \quad$ R. Oke: 3 , T. T. M Murray.
CAMBURG, SILVER - PENCILLED.
Cock-1, W Wilson \& Cock-1, W. Wilson \& Son; 2, R. Oke. Hen
-1, R. Oke: 2 , W. H. Reid ; 3, W. Wil-
son \& Son. Cockerel-1 and 2, R Ok
$\qquad$ HAMBURG, BLACK.-Cock-1 and 2
R. Oke. Hen-1 and 2 , R. Oke. Cock-
erel-1 and
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## IF WOMEN ONLY KNEW

Thousands of women suffer untold miser ies every day with aching becks that really have no business to ache. A woman's back wasn't made to ache. Under ordinary to help her bear the burdens of lifo:
It is hard to do housowork with an sohing back, Hours of nisery at loisure o at work. If womon only know the asuse Baokache comes from vick kidnoyn, and
what a lot of troublo Eick kidnoys canse in the world.
But they can't help it. If more trork it put on them than thoy can stand it's not to be wondered that they get out of or
Beoksache is aimply their cry for holp.

DOAN'S KIDNEY PILLS
 making them throgg haldhy and vigoome





HOLLYMOUIT SHORTHORIS
 $=$ 25 HEAD formbustor ith W. J. Thompson, mitithell P. O. \& Ste. MAPLE GROVE SHORTHORNS


My preant offering: gor-

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 Shorthorns and Lincoins
 A. D. Mo iuusan, Rodney, Ont.
A. EDWARD MEYER Ofers tor sine.at pricoed youn, ont.

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Oak Grove Shorthorn- Miy proand offor




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15 Miles North of Guelph, on the G. T. and C. P. R.
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14 Arsb-alaes bunch of yoarting oiven, bred to the beet importod rams, now roedy
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DOHN DRYDEN \& BON,

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anl motlotored in the Hord and rook Booke of Groat Britain.

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Ehorthorn balls, cows and hoiters for anle at greatly reduoed prioes tor the next 60 days.
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N. B. ROBERTSON
Maplo Lodgo Stock Farm. 1864-1808.
BHORTHORN BULLE- Eood onen. Boveral

A. W. SMITH, MAPLE LODGE, ONT.
 8HORTHORNS 18 halfors und oarlyen. yeare
 joHm DOUManso PETER WHITE, JR.on BONNIE BURN SHORTHORNE




Brooklln, Ont.

A. Whos. M. Shea, Fergus ; 2, A, A.
Bros. Luxton. Goose, young-1, Baker
B. A. G. H.


DUCKS, AYLESBURY.-Drake, old-1,
H. H. Wallace; 2, Miss M. Colwell; 3, C. A. R. Tilt. $\begin{gathered}\text { Duck, old- }-1 \text { and 2, 2, H. A. H. } \\ \text { Wallace: } \\ \text { 3, Miss Mary Colwell. Drake, }\end{gathered}$ Wallace: 3, Miss Mary Colwell. Drake,
young-1, G. J. Lawrie. Duck, young-1, Goun- Lawrie. Lawrie. Duck, young-1,
DUCKS, ROUEN.-Drake, old-1 and 3 ,
Baker Bros. DUCKS, ROUEN.-Drake, old-1 and 3,
Baker Bros.: 2, G. \& J. Bogue. Duck,
old-1, Allan Bogue ; 2, Baker Bros.; 3,

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Clarke's stamp on a moccasin is a guarantee of certain satisfaction. Moccasins. Heat and wet proof, wear like iron. Scalding and scorching dealers have them.
A. R. Clarke \& Co. Toronte, Canade


erBurnside Ayrshires mponted and Canadlan-bred. Prisowinnora at the Bd. of Dir. of World's Fair, St. Lovis, to the breeder of hargert number of prisowinning Ayruhires ato thid breeder of Femalos of all agos for male, imported and Canadian-bred. R. R. NESS, UR., HOWICK, QUEュ, P.O. AND 8TATION.

## Annandala Holstein Herd <br> 

Prince Posch Calamity heads the hard. His dam (Calamity Jane)
and sire's dam (Alta Posoh) in
oficial official test, averaged 86 lbs . millk
day, and over 26 lbs, butter a day, and over 26 lbs. butter a living. A number of good young bulls,
1 to 10 months old, for sale, from great sires and A1 oows.

TIllsonburg GEO. RICE
Ontarlo HESTEINS AND YORKSHIRES
 Maple Hill Stock Farm Scotch Shorthorns-

 MAPLE PARK HOLSTEINS Home of the great De Kol Pietertio and Pooch
familiog. Bohiling Sir Posch, son of Annio
Bohniling testing
 3. MАOKLIN PROP. STREETSVILLE Wmperial Holsteins $\begin{aligned} & \text { An Advan ced Registry } \\ & \text { herd } \\ & \text { Ior sale. } \\ & \text { One. year }\end{aligned}$
 in dam from the U . S .
W . H. Simmons. Durham P.O. \& St MAPLE GROVE HOLSTEIN HERD

 Glanwood Stock Faim- Holsteins and


HILTON stock
ent offering: Sand Tamworths-Pres
 Evergreen Farm Holsteins is is hoaded by





 H. E. GEORGE, Gmanton tin riw HOLSTEIN BULLS

 a. W. OLEMONS. $\qquad$ BNTR MND HILLYIIM HOLSTMUE

 Woodstooik. O.P.P. R. or Orf R Contre P.O.
Lymdale Holstelns.
 seoord of Merit cows, and sired by Beryl Wayy
Paul Conoordia, whose four neareat damw havi
 "GLENARCHY" HOLSTEINS
 or sale. A straight, smooth lot of both sexea
G. MECINTYRE, Renfrel P. O. and Etm alamity. Born December, 1903. Only two of hio laughters have been testod, and both are io
Rocord of Merit. He is a show animal, and a per
He


Greenwood Holsteins and Yorkshires



Kn

## DRESSED POULTRY

Pair Brahmas of 1906, any variety. -1,
and 8 , Scanlon Bros., Ennotville
Pair Cochins Pair Cochins of 1906, any variety:-2,
Samuel J. Plastow, Rockton ; 3, Scan lon Bros., Ennotville. Rockton ; 3, Scan
Pair Langshans. Pair Langshans of 1906, any variety.
2, Scanlon Bros., Ennotville.
Pair of Plymouth Rock cockerels of Pair of Plymouth Rock cockerels of
1966, any variety,-1, Adam A. Arm-
strong, Fergus; strong, Fergus ; 2, The Matthew Ed-
wards Co., Port Perry ; 3, Scanlon Bros., Ennotville ; Port Perry ; 3, Scanlon Bros.,
Enllock Bros., Water-
down down.
Pair of Plymouth Rock pullets of 1906,
any variety strong, Fergus ; 3 and 4, Scanlon Bros.,
Ennotville Ennotville.
Pair Wyandotte cockerels of 1906, any varisty, -1 and 2, W. Howard, Guelph : Pair Wyandotte pullets of 1906, any
variety. -1 and 2 , Scanlon Bros., Ennotvariety. -1 and 2, Scanlon Bros., Ennot-
ville. Pair Minorcas or Andalusians of ville. Pair Minorcas or Andalusians of
1906, any variety,-1 and 2, Scanlon
Bros. Bros., Ennotville ;
\& Son, Burgessville. Pair Leghorns of 1906, any variety.-1
and 2, Scanlon Bros., Ennotville ; 3, Howard Woodrow \& Son, Burgessville.
Palr of Dorkings of variety.-1, $\quad 2$ and 3 , Scanlon Bros.,
Ennotville. Pair Houdans, La Fleche or Creve
Comurs of 1906, any variety.-1, Scanlon
Bros., Ennotville ; 2 and 3, G. \& J. Bogue, Strathroy.
Pair Game of 1906, any variety. -1 and 2, Oswald Barber, Guelph; 3, Scanlon Pair Javas of 1906, any variety.-1, G
\& J. Bague, Strathroy \& J. Bogue, Strathroy.
Pair Hamburgs of 1906 , any variety.
1 and .

Pair Orpington cockerels of 1906, any
variety.-1, W. Howard variety,-1, W. Howard, Guelph; 2, E. E.
Fraleigh, St. Mary's ; 3, Scanlon Bros. Ennotville.
Pair Orpington pullets of 1906, any Buriety.-1, H'oward Woodrow \& Son Burgessville : 2, J. W. Clerk, Cainsville
3, Scanlon Bros., Ennotville. Best pair in class 231.-1, Adam A. Armstrong, Fergus.
Turkey, any age. male. $-1,2$ and 3
Howard Woodrow \& Son, Burgeasvill Pair turkeys, any age, female 1,2 and ${ }^{3}$. Howard Woodrow \& Son, Burgessville. 3. Howard Woodrow \& Son, Burgess

$$
\begin{aligned}
& \text { Pair turkeys of 1906, female. }-1,2 \text { and } \\
& \text { 3, Howard Woodrow \& Sm, Burgess- } \\
& \text { ville. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ville. } \\
& \text { Best entry in class 232.-1, Howard } \\
& \text { Woodrow \& Son, Burgessville. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Woodrow \& Son, Burgessville. } \\
& \text { Pair geese of 1906, white. } 1 \text { and 3, } \\
& \text { Scanlon Bros., Ennotville; 2, Howard }
\end{aligned}
$$

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\begin{aligned}
& \text { Scanlon Bros., Ennotville, 2, Howard } \\
& \text { Woodrow \& Son. Burgessville. }
\end{aligned}
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\begin{aligned}
& \text { Pair of geose of 1906e, colored.-1, Scan- } \\
& \text { lon Bros., Ennotville ; 2, F. \& G. Par- }
\end{aligned}
$$

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\begin{aligned}
& \text { kin, Oxford Centre; 3, Howard Woodrow } \\
& \text { \& Son, Burgessville. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Son, Burgessville. } \\
& \text { Pair Ducks of } 1906 \text { white. }-1 \text { and } 2 \text {, } \\
& \text { Isaac T. Knight, Guelph ; 3, Mullock }
\end{aligned}
$$

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\begin{aligned}
& \text { Isaac T. Knight, Guelph ; 3, Mullock } \\
& \text { Bros., Waterdown. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Bros, Waterdown. } \\
& \text { Pair ducks of 190f, colored.-1, Isaac } \\
& \text { T. Knight, Guelph ; 2, Howand Woodrow }
\end{aligned}
$$



Strathroy.
Best pair in class 234.-1, Isaac T.
Six Brahmas, Cochins or Langshans of
Six Plymouth Rocks., or Wyandottes
1906.-1 Adam 1906.-1, Adam A. Armstrong, Fergus
2 and 3, Scanlon Bros., Ennotvile and 3, Scanlon Bros., Ennotville; ${ }^{\text {a }}$,
The Matthew Edwards Co., Port Perry. Six Minorcas, Andalusians or Javas o
1906.-1, Scanlon Bros., Ennotville : Howand Woodrow \& Son, Burgessville. Six Dorkings, Houdans, La Fleche, Crev
Cocurs or Orpingtons of 1906.-1 and Scanlon Bros., Ennotville ; 3, J. M
Clark, Cainsville.
Six Games of Six Games of 1906-1, Scanlon Bros.
Ennotville ; 2, Oswald Barber, Guelph. Six Leghorns or Hamburgs of 1906 -
1 and 3, Scanlon Bros., Ennotville : 2 , Wm . McNeil, London.
Six turkeys of 1000
$\qquad$ on Bros., Ennotville.
Six geese of 1906 . Six geese of 1906.-1 ScanEnnotville: 2, Howard Woodrow \& Son Six Ducks of 1906.-1 and 2, Isaac $T$ Knight, Guelph: 3, Howard Woodrow \&
Son, Burgessville. One dozen eggs, heaviest and best,
brown-1, F. W. Krouse, Guelph. Six squals $-1, A . \& T$. Readwin,


CURES by the thousands - proftable

 tho od"-it il an modicite, and tor only modicno im the world

 scours, afterod rud ato bortionit quickly curod Ho iol oin who top can hitord tot bo manyor KOW-KURE. Hit mamo
 milk, make richer buth if yourtor haveing ayy troubio with your cow
 ot A Lost Cown "contains cany


## KURE

gemonnme stome rose


Ayrahimes and Yorkshime










Ayrshire Bulls - by aloel patid (us Monthe olat




 Ingleside Ayrshirees won mior pritas In Inas
 PIne Ridge Jorseye For










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get all the cream, have low supply can, areeasyto run, easy to clean, because there is only one little piece in the bowl
to cleanse after each running, and the to cleanse after each running, and the itys,Simplicity and Derability. A glance at the pie-plate construction of mos separators will ge "e youple foirstruc tion" and "strength" " formation about the' Sharples in bular write for booklet E. 193
lee
THE SMARPLES SEPARATOR CO.
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 ail emantion an: quoctione cirem, an
 Cables-Bheopcote, London
Stropsthros and Cotstoluds
I am offiering for sale 100 shearling sleo an extre gond int imported; reme end ram lambs of both yroeds, some of esch fitted for showing. JOHN MILLER, Brougham, Oatario The Fairview Shrondhire bave me inteined thei




 John Campboll. Woodullle, Ont cDoumalpe Sheep Dip Catte Dressin
 Ilon Hing THE Or ohargei propaid on one 18 DORSET SHEEP For sale. seleoctod from flock

Wallinton, Fonthll. on WE are offering SHROPSHIRE EWEE, Six-weels verw lambs. $\$ 10.00$ to $\$ 12.00$ ducks and Barred Rock cocke els, W. R. BOW

Duroc Jerseys ${ }_{\text {sows and }}^{\text {-Importer }}$ and home -br
vice. Pigs At to wean, alse buff Orpington
and Buit Leghorn ocokerels.
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Whon Writing Montion this Paper.

My Shropshires Won the Flock Prize at Toronto.
And I have imported and home-bred RAMS and EWES
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OOTSWOLDS and SHORTHORMS ${ }^{2}$ w well.
rices alwaye reaconable.
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ortbo
and prizewinning rame
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ship Your HIDES SHEEPSKINS FURS т。
E. T. GARTER \& CO., Tomonto Maple Grove Yorkshires


## cossip.

KYle bros: Shorthorns. of Kyle Bros., breelers of high-class
Shorthorn cattle, lies about $2 \ddagger$ miles Shorthorn cattle. lies about $2 \frac{1}{2}$ miles
south of Ayr, on the C. P. R., and about 7 miles north of Paris, on the G. T. R Few Shorthorn breeders in Canada hav Bros. In founding their herd, they fully realized that there was neither money no ghory in keeping inferior stuff, also that the bull was more than half the herd. With his ever beffere them, they purchased as their herdimals only the best. To-day Wheir herd numbers over 40 head of the Marchoness, Village Maids. Jealousy Golden Drop, Rosebud, Broadhooks, Ducbess of Gloster, English Lady, Love everal of them and Butcerdy families, Fairy Queen being imported, notably Thistle; vill 2ad (imp.), by Godden Prince Frolic, the sire of the champion Merry Hampton; Village Maid 27th
(imp.), by the Missie bull, Mozart. Imp.), by the Missie bull, Mozart ;
Pennon Broadhooks (imp.), by the Clip Pennon Broadhooks (imp.), by the Clip-
per bul, Cornelius: Marchioness 4th per bull, Cornelius; Marchioness 4th
(imp.), and so on. Lady Cloud, by the (imp.), and so on. Lady Cloud, by the
Toronto winner. Roan Cloud, is a show cow, weighing 1,700 lbs., and a beauty. Butterfly Duchess 3rd, by the Wimple
bull. Wimple's Chief, is another big, $1,800-\mathrm{lb}$. cow, built on show lines. In fact, the herd is essentially a high-class
one, many of them weighing from 1,600 to $1,800 \mathrm{lbs}$., and put up right, while
their breeding is gilt edged. The stock
bull is Rapton Chancello bull is Bapton Chancellor (imp.). by the
champion Silver Plate, a Rosewood, dam champion Silver Plate, a Rosewood, dam
Crocus, by the Sityton Cicely bull, Cap-
tain of the Guard tain of the Guard. Bapton Chancellor
stands in the front rank as one of the greatest sires ever imported to Canada,
his get always being in the money whare his get always being in the money where-
ever shown. Second in service is Imp.
Cliper ever shown. Second in service is Imp.
Clipper Chief, by the Lancaster bull,
Lochaber, dam Czarina, by the Clipper bochaber, dam Czarina, by the Clipper
bull, Corner Stone. This is the making
of a show bull of a high order. of a show bull of a high order. In
young bulls for sale is a roan seven-
months-old, by Bapton Chancellor, out of Lovely Lassie, a Cruickshank Lovely.
This young bull is an extra This young bull is an extra good one, the
making of a high-class herd-header making of a high-class herd-header. A
other is a roan ten-months-old, by the
same same sire, out of the $1,800-1 \mathrm{~s}$. cow, But-
terfly Duchess. This, too, is a show bull in type and conformation-an a extraw bull
one. Still another is a red sevenone. Still another is a red seven-
months-old, by the same sire, out of
Village Maid 27 th (imp.), a nice thick calf, low-down and smooth. there are about a dozen, from seven t
twenty-four months old, nearly all b
Bapton Che of imported cows, showe of them ou
otuf among
them, and all well balanced and up-to-
date. Any or all are for sale, together with the young bulls mentioned. Kyle
Bros. report the last year as away ahead
of any former ear for enquiries and sales.
All through, their stock is getting to be

TRADE TOPIC


## SCALDED BY BOILING FAT

COULDN'T USE HAND FOR A MONTH.

Zam-Buk Then Applied and Gave Instant Relief.
other accident in a Toronto bome the consequences had it not beor for Zam-
Buk. Miss Martha Green, suk. Stiss lartha Green, of O Clare from the oven spitt it over her righ hand. "The boiling fat ran into the all my fingers. You mays, ". and over all my fingers. You may well imagin Was almost wild with the pain. formed all over the palm large blisters fingers. For over a month I was the to use the hand at all. I tried several kinds of salves and linimenta, but the wound seemed apparently no bettor. was altogether too severe for these I was advised to try Zam-Buk. stopped using all other preparations and applied Zam-Buk instead. The very firso of draw out the fire and inflammation and as I kept on using Zam-Buk, the blisters gradually dried up and disapwear healed a completely short time the scald This is but one instance of the uses 10 which Zam-Buk can be so adventageously applied. It is equally eflective for burns, cuts, bruises, abrasions, sprains
and stiffness. It also cure eciema cers, sores, blood potson, rie eczema, sores, chronic wounds, acne, blackheads. pimples, cold sores, chapped hands, and
all skin diseases and injuries. Rubted well on to the chest. in cases. Rubbed relieves the aching and tightness, and applied as an embrocation it eures rheumatism, sciatica, neuralgia, etc. All
druggists sell Zam-Bul at 50e box, or it may be obtained from the Zam-Buk
Co., Toronto. upon receipt of price- Six

Maplehurst Herd of Tamworth Swine, Bronze Turkeys, Toulouse Geese, Pekin Ducks, lent breeding and ideal becon type. This herd

 aged and junior herd, and two grand champion
ships. Inspection and correspondence solicited. For further particulars apply to
D. DOUGLAS \&ONS, Mitchell, Ont. NEWCASTLE HERD OF TAMWORTHE mor miate nele several choice boars ready



Mount Pleasant Herd of Tanworths And Holattine. A large herd of choico piertis of all




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 Joshuan Lawrence, Oxford A contrice p.o. CHESTER WHITE HOGS
 The largest herd
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ROBERT FMBISH YURYCUIDCS We have a limited number of choice young




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Forty years ago, when I first discarded drugs and dever attention to the study of Electricity, I could not afford devoted my whole knowledge I have gained from pall thected my Electric Appliances, and the is so great, that I will fom all these years of experience and research is so great, that I will now give my world-famed Dr. Sanden Electric
Belt, with Electric Suepensory Belt, with Electric Suepensory, to any man who suffers from Nervous and Kidney Troubles, absolutely

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Simply call or write for a Belt and wear it one cent until I convince you pay me the usual price - in many cases not two months, and if cured return the Belt, and that ends many cases not over $\$ 5.00$. If not cured, give you the usual wholesale discount. Be sure you to pay cash, I My great success has brought forth many ime sure you get the genuine. the public against their worthless, blistering imitors, and I must caution Call to-day and take a Belt along, or write able books on Electricity and its medical uses. Sent, sead my two valu DR. B. W. SANDEN, 140 yonge st Office Hours : 9 to 6 ; Saturdays untill 9 p. m
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Tororont winners. Of all
ages. Young ages. Youngers. t . Of
both sexes for sale. Sam Dolson, Alloa P. O., Norval Stn Cedar Lodge Yorkshires

 tantly on hang stock of bor both seexes con- of
Batisfaction guaranteed. Pairs not akin. COLLINB, Bowesville P.O., Ont
1 ELMFIELD YORKSHIRES breed; aleo some monthe, bred sowi from 4 to


HiLLCREST HERD OF EMGLISH BERKSHIRES
Fins Station, G.T.R. JOHN LAHMER, VIne, Ont

irrod by Maple

QULSTIONS AND ANSWERS Miscellaneous.

## PONIES WANTED.

would like the names of Ontari Shetland. NEW Dering welsh, Hackney Ans.-Parties having SUBSCRIBER. ay find is to their advantage for sale ise in "The Farmer's Advocate," is is not the only enquiry for such that abnormal a ABNORMAL APPETITE IN sow or so ago, while running out, she three fat ducks; now she chases hens and has ate four. She had the cat by the back the other day, but the cat came Wack. She will farrow 1st of February.
Will she eat her pigs, and what will preher doing so? cluding rocts, and cllyer leaves, or cut int
clover (steamed) oots, or ensilage. Keep a mixture of
salt, sulphur and ashes salt, sulphur and ashes in a low box
where she may take at will. she farrows, she shows a will. Ifsposition to
eat her pigs, place her feed box ing front, hand the crate, with a
so the pigs can bar of

CRUSHING OATS POR OOWS-OATS OR it being four miles from oats for cows, in being four miles from mill, and cost-
ing 7c. per cwt.? 2. Mrilking cows, being fed corn and having straw instead of the hay, which bs the better: clear oats, or equal parts
barley and oats? Ans.-The American author, Jordan, probably strikes it about right when he says that if the miller's toll is more than onetenth, it probably does not pay to
grind grain, especially for rum Erind grain, especially for ruminiants. In
the oase under conslderation, the haul is
worthe worth at least as much as the cash charge
for for grinding, making a total expense of
about 14 cents per cwt . about 14 cents per cwt. We do not be-
lieve oat chop is worth 14 cents per
cot oat chop is worth 14 cents per
cwt. more than whole oats for feeding to
cattile. cattle. In fact, whole oats mixed with
luran are recomment lran are recommended by many for calf-
feeding. We are eigested kernels of of grain pointed to un-
dige cattle as conclusive evidence of the nee ly as much passes throuable that nearonly the particles being much smaller anop, ot so conspicuous. Instead of gilinding,
our correspondent might try soaking the 2. Probiaty try soaking the
2in. and 1 part barley (ground) would be beter than oats alone, or oats and barley
equal parts. ration for bull
Ill of two years, weighing ration for os. Is flaxseed meal good for such 1,500 about what quantity per day or meal ?
Can they digest whole oats sufficiently Can they digest whole oats sufficiently
well when fed with bran? Should six
quarts quarts of chopped oats and middlings and four quarts bran a day keep him in SUBSCRIBER. Ans.-We would be ohary about feeding flaxseed to bulls, preferring oil cake, which
is safer. The economy of crushin or cattle has been discussed in answer " Dairyman" in this issue. In brier, preferable to whole oats, though whishthy the advantage pays for the expense is
open to question. The ration should keep the bull in ration suggested dition, though it might be economical to composed of thriddlings, making a ration five pounds bran per day. This, with and
lew roots, mixed or clake straw, a smatl ar ameor hay, a bith of
available, should of silage, it strai, a small amount of silage, if
available, should make a satisfactory ra-
tion. he shows any sign of delicate
appetite, reduce accordingly.
gatmon man
Aothon



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aro mild, sure and mefo, and asc a gectoct regulator of the aystem.
They gently unlock the meosetiones, olons away ell effete end weste mattor firom tho syatom, and give tone and vitality to the whole intestinal tract, ouring Constiphtion, Siok Hondache, Biliousnem, Dyepop ria, Costod Tongue, Foul Breath, Jum dice, Heartburn, and Water Brach. Mry R. S. Ogden, Woodstook, N.B., Wri. "My husband and mywir have nuod Mir yeara. We think we cannot do withom them. They are the only pills wo evor Prioe 25 cents or five bottlen for 81.00 at all dealers or direct on reooipt of price

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Fairview Berkshires

both sexee. Some nown bred to fint boole
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## mOMKLAMD Yorksilines



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 H. E. amomate

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HHER OF YORKSHIRES

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Glonhodson Yorkshiros.

 Lonedidenaco phome at tram. Lomm Fovion, me MPROVED YORKSHIRES.

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Read what Wm. Bowers, P. O. Box 196, Brantford, Ont., says :

Dr. McLaughlin
Dear Sir,-I purchased one of your strongest Belts for Nervous Debility about four years ago. I had been taking medicine when 1 first got sick, and they
did me some good, but they did not give me the results I desired, and I did not want to get my system full of medicine, so I thought I would try one of your Belts. Before I commenced to wear it, I would wake up in the night with bad spells with my heart, which caused a deathly feeling to come over me. I wourd get up and open a window and rub myself, but have not had any of those spell My way of restoring strength is diferent from all others. It is my own plan, and it is as simple as anything can be. I find a man suffering itrm stomach trouble, arising from a weakness of the organs of digestion and assimilation. Now, what is the use of pouring drugs into that poor stomach ? It does not want drugs to force an action. It wants strength
The proof

Dear Sir,-After wearing your Belt for only one week 1 am glad to tell you that it has greatly helped my stomach, kidneys and liver. From shall be pleased to let everyone know what the "Dr. McLaughlin Belt" has done for me, as it is well worth advertising. W. I. CHASE. You know there is not an organ in the body which will not do its work well if it has the strength. You will never feel a pain or moment of distress un
less some part of your body is weak. Remember that, and don't paralyze your poor stomach with poisons. My plan is to give strength to the part that is ailing. I do that, and the trouble is gone before you understand why.
My treatment is a success in any case where strength is lacking, whether in the nerves, stomach, heart, kidneys, liver or any other part. My applianoe
gives a soothing, constant electric glow, which is taken by the body just as a sponge takes up water. It cures weakness in any guise, as well as any other form of pain. My cures prove the truth of my argument. can't don't think there is any case of weakness, failure of vitality or of any trouble resulting from the imperfect action of any organ of the body that 1

I Will Cure You First, and You Can Pay Me After the Work is Done,
My strongest arguments are the letters from prominent people whom I have cured. Every man or woman who comes into my office gets a practical illus-
tration of my method of cure, and goes away convinced that the claims I make for my ELECTRIC BELT are TRUE. After seeing original letters from
ther
 life and organic vitality, but I have perfected the best known appliance in the world for replenishing that force in the body when it is los

My Flectric Belt is the result of years of scientitic study, couplod with experienc
My cures are simply marvellous; take the case of James Becker, Innisfail, Alta:
Dr. McLaughlin
Dear sir,-I am more than pleased with the results of your Belt. My gelieral health is greatly improved. I feel lile a new-made man. My digestion is
perfect; my bowels

 May success attend your endenvors to cure suffering humanity is the wish of your friend, - -

 You can talk with the men and women who have heen cured by my treatment, and that's worth considering. I might prrach fur years in my efforts to gather
Smith.

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