## PAGES

MISSING

# Zhe 

 Farmer's XIdvocate"Persevere and
Succeed.

## and Frome Magazine

EDITORIAL.
0 controlling the lightning bolt We wish to draw the special attention of our
readers to an article headed "Re Lightning Losses and Prevention," by A. Lindback, Provincial
Fire Commissioner of Manitoba. tion, this article was submitted to a practical man, who has given the subject of lightning protection very careful and intelligent study, and has erected and repeatély described in our columns a
cheap and simple, though effective, homemade cheap and simple, though effective, homemade
lightning-rod, consisting of nine strands of soft, lightning-rod, consisting of nine strands of soft,
galvanized, No. 9 wire, twisted together.
This galvanized, No. 9 wire, twisted together. This
form of rod, erected, and grounded according to iorm of rod, erected, and grounded according to
directions, has been fully endorsed by eminent directions, has been fully endorsed by eminent authority, and has, accorang to stirely instances of presumptive evidence, proven entirely efficacious
in drawing off a lightning bolt harmlessly into in drawing of a the lightning-rod idea is by no the earth. For the lightning-rac consisted in the exorbitant prices charged and the shady tactics lightning-rod agents. It is not out of place to mention that a considerable number of these bomemade rods have been put up in Middlesex County, as per instructions in "The Farmer's Advocate, and a lesser number in other sections of the coun try. In view of these facts, the following com-
ment on the above-mentioned article will be read ment on the
with interest
" Mr. Lindback's article contains the best lot of condensed suggestions I have ever seen on the
subject subject. There is nothing in
endorse. The paragraph refering to to the liability endorse. human body to draw a stroke from a rod I would understand as emphasing the danger of actual contact with a lightning-rod during a storm.

Some insurance companies, at least, doing business in the Western States make it a condition of insuring cattle against lightning that grounded wires be attached to all wire fences at specified distances. The same rule, if applied in the East would, no doubt, lessen the increasing losses from that source.
./ Mr. Lindback's last suggestion, that farm in surance companies make a special classification for rodded buildings, and have an inspector to see that all are in order, if acted on, wound
ly, I believe, result in practically wiping out the enor ligh los from lightning fires whic are borne at present

MONOPOLY IN NOMENCLATURE The letter headed "Naming pearing in this issue, raises a cuestes of pedigreed stock. The system of granting to breeders the exclusive privilege of using, in the registry of
their animals, a certain name as a prefix or affix, heir animals, a certain name of the British breed societies, and has been in use for years. An there would appear to be no valid reason ar farm Jlock or herd, or their products, since it tends to engender a feeling or sense of pride in the owne incting ane tor himself and his stock. Sev eral other breed societies, both in Britain and America, at the inception of their pedigree records, adopted and have continued the system of excluaing duplicate names, no two animals being the lowed registry under the same name. And to this generally considered a sensible provision, avoiding
the registry of many animals under the same name, as, for instance, in the case of the noted what is commonly known as the Scottish Clydesdale Studbook in which no fewer than fourteen other horses are registered under the same name, though, of course, with different numbers. The only way in which it would appear possible to
avoid this difficulty in the case of a record in which the principle of "one animal, one name has not prevailed, is to fix a date in the near future from which no two entries shall be made under the same name. This would appear to bo mitigate the ohjectionable fenture But the mitigate the objectionable feature. But the granting, at a late period, the special and has been in common use, certainly has the appearance of bestowing a monopoly, which, if allowed anyone, should be conferred upon the breeder by whose skill and judgment the animal of note was produced, rather than upon the fortunate party becoming the owner, and profiting thereby. For this reason, if for no other, many will doubtless sympathize with Mr. Findlay, who recorded his protest against the motion in the Council of the Clydesdale Horse Society of Great Britain and Ireland, conferring the right to the exclusive use of the name Baron, which has for so long been common property. White there coulun no rear sonable ors in the use of the word on's Pride a patent on the use of the or any combination of the name of the horse with that of his home, there certainly does not appear to be good ground for giving away the name Baron, which is so commonly used in connection with other words in the naming of horses and other stock, as in this respect it appears more objectionable than in the case of either or any of the three of Iour names previously granted by the Scottish sociect. It is true that the demand for a monopoly of the use of a name has not been great in Clycescaale circles, but there is no knowing how soone may become epriemic ond the Canadian Society will well to give the question careful consideration before committing itself to a system which may lead to abuse of privilege, or may not be wisely applicable to conditions in this country.

## the family fetish

Secretary Sangster's reference to the more clear defining of "families," while having little necessary connection with the subject-matter of his let-
ter. namely, the granting of an exclusive privilege ter, namely, the granting of an exclusive priviege or trade purposes, yeceses in animal breeding, in the history of sunounced of which might, in their inception, be regarded as accidents, so unpremeditated and unexpected were they. The great Clydesdale sire, Darnley, so potential a factor in the uplift of the Clydesdale breed, was, we are told, practically a catch colt, the prosuch of mating his dam, who had been bred all season to
the Keir stud horse, with Conqueror, " with no the Keir stud horse, with Conqueror, woal out of other thought than that gering a "prince of her somenth"
In Shorthorn history, we are informed that Hubback, the most influential of the early sires of the breed in the foundation of the erstwhile popu and white bull, of no special pretensions, serving cows at a shilling a head when bought by the Collings for ten guineas. And Champion of England, the sire which made the Cruickshank her
the breed, was the product of a sire bought at butcher's price, of which the purchaser was so nearly ashamed that the bull was kept out of sight in a back field with a few cows that had proved difflcult to settle in calif, one of which was a plain cow that from this mating produced the prodigy whose blood, more than that of any cther, has coursed the veins of champions galore in the leading Shorthorn show-rings of the worla in the last quarter or a centu their suluence on the outstanding individuals in their infuence on the character of the breed was doir deeders or owners in using them and their offsuring in a system of judicious inbreeding to intensify the potency of the blood; but when that system became a fetish, and the "family" fad was practically worshipped, as in the case of the Duchess tribes, inferior and disreputable specimens being used for breeding purposes, the result was the wreck of the family, and of fortunes as well. The danger lies in paying more attention to pedigree than performance, to breeding from inerior dividuals because of their more or lomote rem lationship to a star performer, of superior mert in the tives.
An important lesson to be learned from the history of prepotent sires is the wisdom of retand ing the services of such asishg them for untried or unproved ones. And danger lies in the use of or unproved ones. inferior or even medioce scions of a noted family, when better individuals of sound breeding and respectable relationship are available.

## CONTINUATION-CLASS WORK

The Ontario Minister of Education's annual report has not been made public, and it ie now the the report is necessary and useful-and if so, should come forth during the session of the Legisiatureor it is unnecessary and useless, and if so, it can be dispensed with entirely. Perhaps the day of reports is past. Before me lies, however, now, one report, which has reached daylight from St. James' Square. This is the report of the Inspector of Continuation Classes, R. H. Cowley, Fesq., M. A. Although this report is dated January 15th, 1908, and covers in full- ent entire calendar year or the pur from date of presentation to the three mon int was published. Certainly, thit Minister untir wion with a vengeance. But one might ask, why has the Minister himself not issued his own report for 1907? Who knows why? There is very much that is of public interest in Inspector Cowley's prompt annual 1907 report, and a careful reading of it convinces one that Mr. Cowley is a most energetic officer. He reports great progress in this particular bran school system. The school boards are enthusiastic, and the schools are doing good work. Their great progress and growln is due to che ants, ond to his aderring tact and sympathy with the people. Mr Cowley desires to place before his schools a definite objective point, and would make it one of not simply culture, but of economic service to the future citizenship of our people. Definiteness of aim will make the work more practical, and, it practical, the rural classes will appreciate and support. There is no doubt of this.
There were enrolled in 1907 nearly 5,000 students, and of these, 40 per cent. were from the arm. That is, two out of inve were from the rom and the inspector states that overy thre from the farm, only one returns. This means that
the Farmer’s Advocate and Home Magazine.
this leading agricultural journal in the
 John weld, Mancozr.
samers for The armer's Advocate

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Adrese-THE FARMER'S ADVOCATE, or The william weld company (Limatid)
over 600 return to the farm, while 1,400 go into professional life. This steady drain of the best
life of the Province it is necessary to check. It life of the Province it is necessary to check. It
is injuring the rural districts, and the Department is injuring the rural districts, and the Department such results are the natural consequence of our petrified uniform school system. Mr. Cowley justly blames our school system for it. The course of
study, the character of the teaching, the nature of the examination papers-all diligently point the way to the High School and the professions. Mr. Cowley says emphatically that our educa-
tional system has "، undeniably given the student distinct bias toward the professions and the mercantile pursuits." He sees in the fact that farmers' sons have to repair to large urban centers for a higher education, a machine-like and in-
sidious temptation to take the farmers' sons a way sidious temptation to take the farmers sons away and dazzle them with the false, artificial allure ments of city life. The truth of Mr. Cowley's contention is not even debatable. When shall it
be possible to place a good liberal education at be possible , place a good
the farmer's door? This, in point of patriotism would be better for our country than glittering arms and stately fleets.
Mr. Cowley is quite
Mr. Cowley is quite decisive in his report. He general culture, unbiased toward any occupation or distinction. This is the key to his report, and
he pleads for and points out the way to a class of ural school that shall be sions. One is justified in saying that the High School does not by any means meet the needs of
even all our urban demands. To many of our
Tor It is the school after all, of but the few, and ther is no use in blinking the fact. The course in gen-
cral education is a culture course-necessary and desirable, but not to any great extent and thing other needed. Our High Schools need as
great a shaking up as our public schools, else
they, too, will coon have outlived their practical sefulness. Their culture power saves them. human
and for this reason this school should be so
equipped as to mold the rural youth while in equipped as to mold the rural youth while in
their homes. To do this, the Continuation Schools are made local rural High Schools, which means they will be the farmers' colleges. 'In this
connection, Mr. Cowley has a responsible task in connection, Mr. Cowley has a responsible task in
arranging the course of study so arranging the course of study so as to be com-
plete and adapted to the rural needs. He seeks efficient and highly-trained teachers, and, to some extent, experts in the scientific branches. His teachers will be a powerful personal stimulus to rural communities. The personal supervision pos-
sible in these two or three master schools will be at the maximum, and this is where these schools will tell on character and future citizenship. Temptations to leave school will not bear with so heavy
pressure on these rural schools until the basis a good education has been deeply laid, and after that, temptation ought to be futile.
Mr. Cowley's ideal for the
Mr . Cowley's ideal for the present is the production of a well-informed, educated rural popula-
tion, proud of its own efficiency and talent both natural and acquired, with efficient means to impart the same continuously to posterity.
It is noteworthy that Mr. Cowley is meeting
with success in connecting the rural schools more with success in connecting the rural schools more
closely to the Ontario Agricultural College. That he will succeed in convincing the College that it should do the work of a college only, and leave to
he Continuation School all academic subjects, is The Continuation School all academic subjects, is
more than a dream. It will enable the College to better concentrate its efforts on the special work tor which it was established and exists, much more to the general advantage of Ontario than the teaching of writing and spelling, etc., which
has hitherto clogged its progress, and taken boys from home at too early an ace, and
The Inspector urges a wide course of study-a broad course of literature, art, and in general
reading, so as to produce an intelligent, reading, so as to produce an intelligent, widely
reading citizenship.
The course of work in the Continuation Schools is strenuous, and he believes it may be relieved by reducing the exami-
nation, pressure. The "approved school ", he does nation, pressure. The "approved school" he does
not condemn. It has, so far, no terrors for him Herhaps it has not for any Inspector who is noted for efficiency, integrity and backbone.
Mr. Cowley enjoys, to a remarkable extent, the
confidence of the people and of the Tegislature confidence of the people and of the Legislature.
No higher tribute could be paid to the cause he has initiated than the financial response from the Legislature. The rural members know a good
thing when they see it, and they have been on the lookout for inspiration for many years. Even
urban centers have been calling for Continuation urban centers have been calling for Continuation they should not have them. It would mean that thousands of our youth would continue their edu-
cation much longer than they now do, and any chan much longer than they now do, and any
change that will conduce to that happy end should be applied. High Schools take the rural boys from home, and, unfortunately, make a break-a
decided break- in a boy's education at an decided break- in a boy's education at an age
when he would be better of less change and variawhen he would be better of less change and varia-
tion. He would be hetter under fewer teachers, too. No boy under 16 years should be under
more than, at most, two ar three teachers more than, at most, two or three teachers during the school day, for the sake of the stability of the
boy's character. Better discipline and more uniform development of his powers will he evident. He will learn better to poley under one master than under many masters. This is certainly true
of boys up to 16 years of age. Mr. Cowley rather anticipates opposition from men oppose the wider diffusion of a higher educa-
tion among our people. There should be no tion among our people. There should be no
rivalry. The need exists for Continuation Schools ing age, and lack of aim in our school system. The High Schools do not reach the rural classes
as a class, and they cannot. High Schools are largely urban schools, and they fail to make, for well as for life. There should be the greatest co-
operation among these'schools, for all are operated for the common good. There is not the slightest stay, and High-school men may as well see to it
that their own schools are more efficient, else there will rise up so many independent technical schonls,
Commercial High Schools and Manual Training Schools, and Continuation Schools, to suply
urban demands, that the field will not be ceft under their command. Adaptation means 1.00lern
growth in the spirit and need of the day. Where
it is wanting. there is denth Inspector's report to the reading public, for he advocates equal educational opportunity for all
the people, and this a sound principle
Ottawa. While the farme of Earomen and America call




## OUR MARITIME LETTER.

THE MARCH OF AGRICULTURAL PROGRESS The march of agricultural progress in these Maritime Provinces has, all will admit, been steady and satisfying, if sometimes slow in pace
and marked by a half-heartedness which is over-edifying. In late years we have witn not the almost complete reformation of pastoral pred esses in so far as they relate to field culture least : indeed, the whole rance of opation at volved in the term has undergone chango-change which in some cases amounted to complete replacement. The intensive has displaced in most
cases with us the extensive methods, and, hard as cases with us the extensive mothods, and, hard as
the old partizan fought for his system, example and the results he could not shut his eyes to compelled him to accommodate himself nolens
volens in the end to the new state of things. We have few if any men of any consequence in these
Provinces now who persist in the fatal system taking everything from the soil and returning iittle or nothing to it, as was the case in the old days, when land was cropped to oats as long as
it would grow anything, and until its virgin for it would grow anything, and until its virgin fer-
tility was totally squandered. The stupid cupidity of the rustic who would kill the goose which laid the golden egg was verified in this class of
farmer. But they were not altogether to farmer. But they were not altogether to hame.
The common practice ran that way, and for The common practice ran that way, and for one follow the crowd. Now, the practice being altogether at the other tangent, it is easier to command in any department of farming. And ing in too, most farmers think a bit for themselves; they should be the profoundest thinkers in the land. There is enough in successful culture of the field
to occupy to its depths the mind of the to occupy to its depths the mind of the greatest
man ever born into the world. The day is gone when "only a farmer " meant anything like the gross and unlovable creature caricatured by an American poet as " the man with the hoe." tury will see the farmer the only gentleman in the land. And he will fill all the requirements of the most exacting definition more completely than any-
one else.
It is not necessary to go into the narration of what can be seen in this new country to-day in
the shape of beautiful steadings, with buildings for their occupants constructed on the most magohtain or a reasonable ambition covet; with shel ters for the flocks and herds which would have been considered good enough for men but recently ; with enclosures and plantations challenging everythat human ingenuity can invent; in a word iches which cherished results from science and to be available to short years apast were thought been general with the farmer in these parts, as he has not turned to naught. But, like everything else in this world worth calling a vocation, culture with us. New avenues of ahead of agri-
conternise rem of devel every day opening up hefore us, and those who man the towers of outlook must be ready to see effectively through them to the advancing host term, is supposed to do something satisfying for
its salary. does salary, but it is the vogue with sometimes it administrations to assume an attitude of patronknow that no mistake can be made in prospering this basic interest. Unfortunately, public places
become loaded up often with fossils and and it requires more than an earthquake to bury dom out of sight, to put them where they can except for the very first-class men who cannot be
replaced easily, it is good for the bureaus to The new Government of our sister Province is
casting about to see what can be done for agriculture as a profession within its borders. New
Brunswick has a great area lands. Its forest need careful watching, lest the exploiter damage irreparably the public do-
main; but, in maintaining and extending in a sane way the forests. there is much ground for expan-
sion in field culture. It was the opinion of the enough field products to feed a vast population. other sources its whoduce, in most part, from
farming pore pity not to develop the farming possihilitios of so promising a division
horonghy. The Government recently installed
has starrmi
$\qquad$
$\qquad$
is a long stride in the agricultural progress
Maritime Canada, we trow, and its results will felt far beyond the limits of the division concerne
directily in the new report. HORSES

STATE FAIR CLASSES FOR AMERICAN CARRIAGE HORSES.
With a view to developing the breeding amgurated in 1907 by the United States Bureau Animal Industry, in co-operation with the Amerian Association of Trotting Horse Breeders, to rovide a uniform system of classification for derican carriage horses at the State fairs. The epartment's classification (which, by the way, ncludes four classes for stallions, five for mares and fillies, one for foals, and one for stallions and get) is the work of the committee on heavy-harness or anized to represent the Federal committee is organized to represent the Federal Department of Agriculture, the American rotting Register AsAssociation, and the American Morgan Register Association. The classes provided are open only to horses of American blood registered in one of the three above associations' records. In the case of mares recorded in the American Trotting Register, they are eligible whether registered as standard or non-standard. The type sought is described as follows: "Not under 15 hands for mature horses ; smooth, compact and symmetrical conformation; neck of good length, inclined naturally to arch; sloping shoulders; well-set legs medium length; sloping pasterns and good feet; short, strong back; well-sprung ribs, well ribbed
up to coupling: smooth loins. straight croup, with well-set tail ; full round straight quarters.'
Entries in all cases are supposed to be judged n conformation, style, action and manners as a suitable type of carriage horse. Special attention will be given to trueness of action. Good knee classes should trot and walk straight and true, and judges are especially to avoid horses showing any tendency to pace, mix gaits, paddle in front, or sprawl behind
The objects to be served by the introduction of this classification are declared as follows: "The widespread adoption of this movement is of the own horses suitable to get American carriage own horses suitable to get American carriage
horses, for the reason that the fairs are in very horses, for the reason that the fairs are in very
close touch with farmers, who are the breeders of most of the carriage horses sold on the American markets, and the value of the American horse for carriage purposes is rarely appreciated by the
farmers who breed them. Hundreds of horses are sold annually by farm-
ers at really insignificant prices, which, after some ers at really insignificant prices, which, arter some
months of finishing and handling, are sold as carriage horses at prices up into the thousands.
Furthermore, there is a continual sale of stallions. to supply this trade. These horses are usually of only moderate value as speed producers, but are
of excellent carriage type. If kept entire, and of excellent carriage cype. be of inestimable value
properly mated, they could horse, but, as a rule, they are castrated and lost, so far as breeding value is concerned. With the
powerful educational influence of the fairs and powerful educational influence of the airs and
stock shows thrown into the solution of the carstock shows thrown the farmer will not only be educated to appreciate the intrinsic value of the native light horse for carriage purposes, but will
recognize the worth of the stallion with, good conrecognize the worth of the stallion with good con-
formation and quality, but only maderate speed, formation and quality, but only maderablem
as a sire of carriage horses, and the proble
fixing the type will be one of early solution. fixing the type will be one of early solution.
It is said the movement to provide this special apas commenced toen well received. The effiort C. Nas commenced too late to have it generally in that year, the Iowa State Fair and the it of
Grass Fair of Kentucky having undertaken it its, while not all that could be desired, was con sidered as good as could be expected. Eleven
State fairs have provided the classification for State fairs have provided the classincation
1908, either in whole or part, and considerable interest has been shown by county and district fairs. The list of eleven, State fairs includes Iowa, Min
nesota, Ohio, Michigan. Indiana. Wisconsin, Kannesota, Ohio, Michigan. Indiana, Misconsin, Mohis,
sas, Tennessee, Illinois; Tristate Fair, Memphis,
Tenn addition. Tenn., and the Missouri S Kentucky, retains th.
the Blue Grass Fair, in Ken
specifications and classifications admped thy thon

## NAMIMG CIYDESDALES

Frarmer's Advocate ": dale Horse Society of Great Britain and Ireland, the exclusive use of several names were granted in the and
Was given exclusively to A. McMenile; that of "Mon-
trave" "o Sir John Gilmour. "Silver" to the Seatrave "to Sir John Gilmour; ". Silver," to the Sea-
ham Harbor Stud, Ltd, and "" Baron", to A. \& W. ham Harbor Stud, Ltd, and Baron to A.
Montgomery. In a letter, the Secretary has req
the Clydesdale Horse Association of Canada to operate with them in protecting the use of these names in Canada as well. This matter was discussed by the
executive here, and it was decided to refer the matter to the annual meeting of the Association. Meanwhile, as they were all favorably disposed toward this move ment, the registrar has been requested to endeavor to
persuade all applicants for registration to avoid theil use as far as possible for the balance of the year. This is a matter on which I would urge as free
discussion as possible. The indiscriminate use of namee discussion as possible. The indiscriminate use of name
made fopular through some animal of superior merit made fopular through some animal of superior merit
or the successful efforts of some devoted breeder, cannot fail to be perplexing to future students of Clydesdale history. Records which have followed some systen
which simplifies the study of the breed, have gained an which simplifies the study of the breed, have gained a
added value by doing so. Others, which have not have been losers by not doing so. The great Percheron
stallion, Brilliant, left a name which has been lo stallion, Brilliant, left a name which has been lost
through its indiscriminate use, unth, to one not very through its indiscriminate use, untl1, to one not very
familiar with the breeding of this breed of horses, It means nothing. The "family" system of the Ameri-
me can Trotting Register has added value to that record. The maternal "family " of the Shorthorn pedigree ha In Vol. 14, C. C. S. B., there are sixty "Barons" recorded, many of which are not closely related to the that it has 58 "Barons." This cannot fail to cause some uncertainty in the future, especially in the record
ing of four-cross fillies and Canadian-bred horses gener-

CHAMPING ON THE BIT. A correspondent says : "I have a three-year-
old colt I am breaking in, which has formed a habit of biting at the bit. Have tried every means I can think of or have been told about by
neighbors, but to no avail. Will you kindly tell neighbors, through your valuable paper, what is your me, of the best method of stopping him. Champing the bit is one of the lesser vices which a horse will sometimes acquire. In some
cases it is the result of a nervous and irritable cases it is the result of a nervous and listle can be done to remedy the condition. In other cases the trouble can be traced to defective teeth, or possibly the
colt will be getting his third permanent molar. colt will be getting his third permanent molar.
The irritation caused by cutting this tooth may be the source of the champing. If you do not need to work him this summer, turn him out to pasture; the change may be beneficial in more
ways than one. And he may forget the habit. wo try different "rigs " on him would probably only make him worse, as it would add to his nervousness. Sometimes a bit which hangs low in the mouth offers more temptation to a hors
champ than one that fits his mouth closely.

## SOME SCOTTISH OPINIONS

The Highland and Agricultural Society includes in its latest report the opinions of correspondents hene difrerent phases of horse-breeding. is : "Breeding from Unsound Horses.'
The correspondent who raises this question writes : "Of late years, a good many horsecountry. Landlords and tenants alike subscribe to the funds of these associations. A deputation is selected to appoint a horse to travel the disis selected to appoint of the selected horse receives a premium on condition that mares belonging to members of the society are served at a low rate. The work done by
these societies is these societies is
too often spoiled by
the fact that they the fact that they
neglect to have a
guarantee that the guarantee that the
horse is sound.
Again and again tgain and again paid for an animal which afterwards is
$\underbrace{\substack{\text { ing. } \\ \text { ally }}}_{\text {ing }}$


Sir Spencer (13211)

## Thure en mimals in existence

 Which owes so much of its merit to a few outstanding sires as does the Clydesdale. This is a fact well knownit to all horsemen. It is also an incontrovertible proo e work of preserving the places wider and more exact knowledge at the command of the breeder. The crossing of Prince of Wales (673) us on the "Darnley" "family" of mares
was a process by which the Clydesdales of Scotland as a process by which the clydesales ond leaps and bounds. What a galaxy of grand breeding sires this one incidental cross produced. It was followed by others,
not many in numbers, but momentous in their results and their proportions.
The time is palpably ripe for the repetition of such history in Canada. Should Canadians have the fortune to find themselves heirs to such a heritage, there
is no better means of knowing it early, and reaping s no better means of knowing it early, and reaping
to the full its advantages, than some system of keoping exact record, not only in books of registration, Were ". families " more clearly defined, the principles Wrese "families more clearty denned, the prractples a good stallion produced a prizewinning foal, it, would
prove an inducement to the owner of another mare by prove an inducement
the same sire as its dam to breed to that stallion. The writer feels confident that a discussion of this question will prove of interest to your readers, and that
you will welcome a discussion of the matter through an will welcome a discussion of the matter through
or columns of " The Farmer's Advocate." cause no little loss before being discovered. not required.
Mr. Bell m cases of lameness. found to be a
 fect which tnvariably comes out in his
stock. The deputation see a flashy-
looking animal, good looking animal, good they seldom even
try him for wind try him for wind
troubles. Societies
should insist on havtroubles. Societies
should insist on hav-
ing a veterinary cering a veterinary cer-
tificate that the horse they are get-
ting is sound. We vould then find that fewer of our young
horses would de orses $\begin{gathered}\text { would } \\ \text { velop de } \\ \text { orders } \\ \text { nervous dis- } \\ \text { when being }\end{gathered}$
and broken to work." Most farmers will cordially agree with what
his correspondent says. While the large majority of horses which travel Scotland are, we believe, perfectly correct in this respect, there will alway "e a few, of what a potato man would call
rogues," and these may do great mischief and M. A useful suggestion under this head, by Mr. be fed four times a day in place of three times. Mr. Harry Hope says a great thing is to get horses well driven. He finds married men better
horsemen, as a rule, than single men. Mr. W. S. Ferguson and Mr. G. D. Clark make suggestions o somewhat the same effect, the latter remarking that the finding of men who love their horses and
do not abuse them is now exceedingly difficult. Mr . Cunningham urges careful grooming and Smith says nothing contributes more to the wellbeing of horses than an even temperament on the part of the men, and regular feeding ; while Mr. George Bell, as improvements in management, sug
gests the discarding of bad feeders and rash worlkers, more attention to grooming, better ventila tion of stables, dismissal of plowmen known to ill-use horses, and the withholding of feeding when gestion that wide end ridges in plowing would frequently save tearing off shoes, blemishes, and

Life of a Horse." Some of the opinions follow : This is a matter that obviously depends on a animal, the way he has been cared for and fed
and the class of work he has to do. Most of the correspondents, however, agree that horses at farm work will, on the average, work efficiently for about twelve years. Mr. C. M. Cameron puts the
average at 14 to 16 vears; Mr. M. Gilchrist at a year or so less; Mr. Campbell at 14 years; Mr Wallace at 10 years on heavy land, and consider ably more on light land; and Mr. Cunningham at
8 to 10 years. Mr. John Marr has frequently mares warking and breeding until over 20 years. Mr. John Speir, in his district, where carting is heavy, finds the average working life of his horses to be from 8 to 10 years. On this footing, he puts the cost of renewing per annum at one-
eighth or one-tenth of the cost of the horse, less its selling price.
Mr. Harry Hope, in East Lothian, finds that,
with their extensive system of cultivation with their extensive system of cultivation, 10
years of efficient work is about the most, on the average, that they can get out of their horses Personally, Mr. Hope writes down the value of his horses by $£ 6$ each per annum.

A correspondent asks whether, by giving his then turning them out to grass at night, they should keep in good working condition. Generally speaking, they should. Horses are very, often better off by spending the night in the
cool, out of doors, than by sweltering in a hot stable; but, of course, heavy feeding of grass makes them soft, or, if the pasture is not good they may not get enough bulky fodder. Horses out, and generally have better health than those that are kept on dry feed during the hot weather If horses get grain three times a day, with grass at night, and fail to keep in working condition quarter than the feed box.

## LIVE STOCK.

FEEDING AND MANAGEMENT OF BREEDING

$$
\begin{aligned}
& \text { MANAGEMEN } \\
& \text { SWINE. } \\
& \text { THE BOAR. }
\end{aligned}
$$

The boar should be given plenty of exercise, The boar should be given plenty of exercise
and kept in a thrifty, healthy condition. If he is kept closely housed, he will not prove as good a breeder for as long a time as if he were given a fair amount of exercise, but do not let him run at
large and forage for his living, as he cannot pick large and forage for his living, as he cannot pick
up enough food to maintain his strength. He must be fed a little grain. A breeding boar should be kept in medium condition, neither excessively fat nor too thin. He may be bred to a few sows when he is eight months old, and at a year old
he should be in his prime, and, if in good flesh, it is seldom that he is over-used.
Oats should form a considerable part of the
meal ration, as they are muscle-formers, and not meal ration, as they are muscle-formers, and not are also good if fed withr the oats. He should be given plenty of succulent food, such as sugar beets or mangels. Give him variety and make his food as palatable as possible
than he will eat up clean.

THE SOW
plenty of exercise. It is necessary at all times but especially so during the period of gestation. graze. If. one has a permanent pasture or a
field of clover or alfalfa in which the sows may run during the summer, it will keep them in ex cellent condition, and they will require very littl or no other food. If there is good water flowing
through the pasture, so much the better; but if not, supply it. They must also be given shelter During the winter the sows may be allowed t
run around the strawstack or in the barnyard. run around the strawstack or in the barnyard.
shelter must be provided for them to sleep in ; shelter must be provided or purpose admirably. portable pen answers the purpose to long as it it dry, free from drafts, and well supplied with
traw in which they may huddle. straw in which they may huddle.
Mature, thrifty sows can be maintained in ex Mature, thrifty sows can a mation consisting cellent breeding conditan preferably mangels or sugar beets. During a cold snap, some grain should be
given. As the sows become further advanced in given. As the sows become further advanced in
the period of gestation, it is necessary to give mor
Therefore, the allow the period of gestation, it is necessary to give more ance of mangels should be gradually decreased, and the complement of grain correspondingly in-
creased. As the period advances, oats, shorts, creased. As the period advances, orn or barley
or middlings, is excellent, but corn or middlings, is excellent,
should be used sparingly, as they are too heating. ${ }_{\text {A }}$ week or ten days before farrowing the sow A week or ten days before farrowing the sow
should be placed by herself in the breeding pen, so should be placed by herself in the breecustomed to that she may become thoroughe critical time ar

The pen should be light, dry, and well venti ated, but not draughty in winter. There should pen about eight inches from the floor and ten inches from the wall, to prevent the dam overyying her young. Very little bedding should be Given the sow, and this should be of short straw newly-farrowed pigs might get tangled in it, and be lain on by their mother
When the sow is taken in at first, restrict he feed for a day or so, and feed on soft, light feed ence may not excite her
If the sow is long in farrowing, place the new plete, then in a box until parturition is com suck. If it is cold place the little pigs in a bo suck. If it is cold, place the little pigs in a box
with a hot-water bottle, and cover them up till they are warm.
Never feed the sow directly after farrowing or you may lose her, and also the pigs. If she lies
for ten or twelve hours, do not offer her anything, but when she does rise give her a drink of luke warm water. Fresh, warm skim milk is also good, and will answer for the first forty-eight hours, then you might mix in a little middlings
and at each feed increase the meal, until she is getting all the feed she will eat up clean. Care must be taken to prevent her from becoming constipated before and after farrowing. Never
feed apples during the period of gestation, nor feed apples during the period of gestation, nor
when the pigs are sucking, as they are too acid but give her all the nutritious, palatable food that she will eat up clean.
When the pigs are big enough to begin eating a When the pigs are big enough to begin eating a


Polo Pony, Arthur.
Winner of first and Lady's Field Cup, London (Eng.) Polo Fony Show, 1908. Winner of first and Lady's Field Cup, London (Eng.) Polo Pony Show, 1908. yield may be written or, in rare cannol get at it, and put a small quantity of fifteen dollars. As for the calf, experiments in Che time the pigs are six to eight weeks old, they reared for beef, it usually keeps it busy to pay its If you wish to get two litters in a year from a pay for the annual keep and yearly depreciation sow, the pigs must be weaned when they are six in value of its dam. Seldom does such a calf weeks old, and the sow bred as soon as she is in command more than two or three dollars at a
condition.
week old : but let us place it at five Now Aiter the pigs are taken away from the sow, ing the value of calf and calf feed, we have fifteen, see that her udder does not occome iniamed lor and, in rare cases, twenty, dollars, as the annual large quantity of milk, cut down her feed and dollar for service fee, and four dollars to cover
give her only dry food, such as whole oats, for a risk, such as cow failing to breed or to raise her day or two, and allow the pigs to suckle once or calf, and we have the magnificent or to raise her (wice in thenty-igs are taken away from the sow, keep of the dam-about the price of a ton of hay. take exercise by scattering a little grain on the floor. If they become too fat, they are apt to spised dual-purpose cow, or 4,000 pounds de proAfter weaning, feed often and lightly, if pos- servative estimates), and, valuing it at 80 conts sible, but only give what they will eat up clean; a hundredweight, we have a prompt cash return
never let food accumulate in the trough. Feed of $\$ 28$ and $\$ 32$ per annum, respectively saying three parts middlings to one part ground oats nothing at alr of the value of the calf, which may soaked in skim milk, or in water if milk is not ansily he and often is worth more for herd-re-
available. At the age of three months old, a plenishing purposes than the $\$ 5$ valuation on the little barley may be mixed in the feed, and, as heci-bred calf. Let us place the value of these
 Always provide a small quantity of charcoal, as
it prevents indigestion, and also mix some sulphut
in the feed, as it is a mild laxative. airy matron is a consideration. but is not so
cow, for the moment she ceases to produce she Have hives in readiness in case they swarm. Do RE LIGHTNING LOSSES AND PREVENTION.
may be advantageously fitted for the shambe

The greatest risk is incurred with the special. purpose beef-bred cow, for if she fails to producea-
live calf she has been maintained twelve month for nothing, hence the propriety of the four-dolla contingency item included above.
Assume that the dairy cow requires minutes a day for milking. In 300 days, this
would mean 100 hours, worth would mean 100 hours, worth, at 15 cents an
hour, $\$ 15.00$. The rather sharter milking period of the dual-purpose cow permits us to estimate
the cost of hand-milking her at, say, \$14. This leaves us a net annual return of $\$ 16$ in the case of the dual-purpose cow, and $\$ 19$ in the case of
the special-purpose dairy cow, as contrasted with a paltry $\$ 10$ in the case of the beef-bred matron While none of these figures are princely, it is easy of see how the all-beef cow falls down in attemp Moreover, by intelligent, systematic effiort annual production of the hand-milked cow may be increased to double or treble the mediocre basis of our calculation, whereas the yield of the other all resolves itself into this principle, that, for the economical raising of beef, a class of cows is required that will be capable of squaring their own maintenance accounts at the pail, allowing the
youngsters to start in the feed-lot without the handicap of paying for their mothers' board bills. The best means of accomplishing this is the dualpurpose cow. The only difflculty nowadays is in
securing a strain of really dual-purpose stock. The old-time dual-purpose breed has run almost entire ly to beef. An alternative plan is to use a firstclass beef sire on the less-valuable cows of a dairy herd, the best ones being, of course, bred to
first-class bull of their own breed, in order to furnish an annual quota of heifers from which to
select replenishment for the herd. It goes withselect replenishment for the herd. It goes with-
out saying that all the produce of the cross should be vealed or reared for beef. None of the heifers should, on any account, be retained in the herd
for dairy purposes, or disappointment will surely follow. For this purpose of crossing on a dair herd, the Aberdeen-Angus bull has given splendi black polled bullocks of really high-class beef type out of Jersey cows, though Holstein and Ayrshire dams are better for the purpose. Prof. W. J Kennedy, of Iowa Agricultural College, report splendid results witnessed by him in Scotland
where Angus bulls were crossed on Ayrshire cows for the production of feeding cattle, the dairy herd being, of course, kept free from the product of th cross. He visited farms in Perthshire and Mid-
lothians, where land rents of $\$ 12.50$ per acre were being paid, with these methods in vogue. The hen lays eggs by the dozen and the hun-
dred. The sow rears and suckles two litters year of eight or ten pigs each on an average, and year of eight or ten pigs each on an average, and
her progeny may be marketed six to nin her progeny may be marketed six to nine twins, and, besides suckling them, yields a crop of wool, which goes a long way to pay for her keep
She requires little attention, and almost pays her way as a weed destroyer. The cow and the mare usually bear only one fotus a year, and it must
be kept from one to four years ere it may be be kept from one to four years ere it may be economically, the cow must milk liberally, and the mare must be worked. A system of beef-raising under which the dam is expected merely to Iro
duce and suckle a calf a year, is not adapted t

## THE FARM.

## FARM NOTES FOR JUNE

By John Fixter, Farm Supt. Macdonald College. 1. Keep down all weeds in the fields, along 2. Do your statute labor this month, and do a decent day's work. One day extra will do good.
3. Use the hand wheel hoe on the roots as soon as they appear
4. If mangels or
4. If mangels or carrots have missed, resow with turnips.
5. Thin carrots, mangels and turnips before haying, and cultivate often.
6 Thin corn plants 6 to 8 inches apart in
Che rows, and cultivate often; close at first, Che rows, and cultivate
further away as the plants grow. deaux mixture, and cultivate often. 8. Prepare for the clover harvest
fork, rope and track in perfect order. and points of the guards. in bloom. As:to clover-common re the tedder freely before coiling. in bloom. Use the tedder freely before coed. 12. Save In drawing hay, have end pieces on your
rack for convenience in loading. 13. Draining may be done this month in pasture fields that are to be in hoed crop next year.
14. Bees-Give plenty of room for surplus
t extract any honey this month; allow it to
15. Renew all queens over two years old.
16. Have some mares served this month the very best sires procurable. Every farm hould raise two or more good colts each year

## CLOVER SEED A PROFITABLE CROP

 As was predicted a Jear ago, there hias been a do-cided shortage of clover seed this spring. A light crop in Europe, the United Sed States and Canada caused the stocks for this spring's trade to be abnormally
low, and this resulted in unusually high prices for good seed. porting countries will not produce more than an average crop of clover seed, and the ontare than an aver
likely clover crob short. In some sections of Ontario, the son, and the amount available this year for seed production may be limited. Much the same conditions prevail over a constderable portion of the clover-seedyroducing area of the United States; so that unleess the by the adverse weather conditions last season is axcep. tionally heavy, a shortage of seed for next spring's trade is more than probable.
In view of the conditions cited, the advisability utilizing every available clean fiel
In growing clover and grass seed for the market, it is important to bear in mind that the standard o purity demanded in the Canadian trade is higher than
it was a few years ago. The demand for seed of first quality has substantially increased. The result of this demand for seed of good quality has been that the
seed-grower finds impure seed an almost unmarketable seed-grower finds impure seed an almost unmarketable
commodity, while the production of good clean seed commodity, while the production of good clean seed
has grown to be a remunerative industry. Hence, the


Chiddingstone Malcolm.

## Shorthorn bull. First and champion at the Oxfordshire County and Bath

 caused by tor o about $\$ 50,000.0$Of this sum, about $\$ 40,000.00$ has been lost on buildings, and $\$ 10,000.00$ on stock killed.
The lightning losses have been increasing from year to year, one of the companies writing mostly rural business having an increase of something like $2,00 \mathrm{C} .00$ over 1906
A great many of these losses could undoubtedly o avoided by proper precautions ; the increase, or instance, in the loss of stock or cattle is to a fences. A bunch of cattle will drift with a storm antil they fetch up either under the shelter of some rees or bushes, or are stopped by a wire fence. The electrified cloud induces the electricity from the earth, and all things on earth become more or ess electrified by induction; hence, during an elec with electricity, and unless proper provision is made to ground the current, it will jump from the wire to the animal nearby or coming in contact ith it. The grounding wire must connect with overy strand ol earth, in order to be effective; but ne grounding is sufficient for each 800 feet As to buildings, a lightning-rod should form a ircuit from the ground along the comb of the
uilding to the ground again. If on a dwelling $t$ must be placed that the chimney from the cook tove is protected
On a two-story house having a one-story kitchen, the danger is less from the high chimneys, for,
during the thunderstorm season, they rarely have issuing from their throats the column of hot air that will draw
lightning,
while lightning, while
the cook stove,
Iike death, has Tike death, has
all seasons for ttA rod should not run over a porch, because of human body to draw
from it. should be holdfast should be of material that cannot
rust, and should keep the rod at a distance of an inch or two from
roof or wall. roof or wall.
The lower feet of a barn rod should be boxed
to protect it from to protect it from
wagons and from wagons and from
animals which $\underset{\text { might use it for a }}{\text { scratching }}$ scratching-post. When a
aing-flash ${ }^{\text {light- }}$ an open joint in a rod, it makes a heat like that of
an electric arc-
necessity of taking every possible
the presence of noxious weed seeds.
The first step in the production of good clover and
grass seed is to procure the cleanest possible seed grass seed is to procure the cleanest possible seed. If
this is used on clean land, and is followed by a thorough this is used on clean land, and is followed by a thorough
system of weeding in the fiela, the product will be system. The field weeding is of prime importance, al-
clean. though it is often overlooked. When we remember that every growing weed, if allowed to mature, will produce
from 10,000 to 50,000 seeds, it will be readily understood that the removal of these plants must make great difference in the market value of the seed.
With red clover, the best results are obtained by pasturing, or cutting the first crop early. This allows pasturing, or cutting the first crop early. This allows and also a stronger second growt for the seed crop, and also
lessens the danger of damage from the clover-sed
midge. If the clover is pastured, the stock should be midge. If the clover is pastured, the stock should be
turned off early in the season, and the field mowed, in turned off early in the season, and the field mowed, in
order to cut down the weeds and produce an even second growth:
Alsike and red clover may be harvested with a
reaper or a mower, with or without a table attachreaper or a mower, with or without a table attach-
ment. If no table attachment is used, and the clover is well ripened, it should be cut and raked when the
dew is on, in order to prevent shelling. dew is on, in order to prevent shelling.
The clover hulfer is the best machine for threshing alsike and red clover, but the ordinary grain separator
will do the work fairly well if properly regulated. The wrin the wark will not hull the seed as thorough-
grain searator ly, and in consequence there is more waste of good
seed, unless the straw be threshed a second timere. But seed, unless the straw be threshed a second time. But
the fact that there is no clover huller available should not deter farmers from saving at least sufficient seed for their o
lamp, which is 4,000 to 5,000 degrees F . This is more likely to result in damage to the rod than to the building, but is reason for holding the rod rom the building.
to the underground the rod must go near enough is always moist, and should be be in earth that copper plate or lodged in a bupported on the rod should be grounded on the of charcoal. bank barn, because of the difficulty in reaching permanently moist earth. I would finally suggest that, if the farm insurance companies would make a special classification inspect rods each spring, there would be a material reduction in lightning losses, and an inducement for farmers to "rod" their buildings.

Provincial Fire Commissioner
Winnipeg, Man. $\qquad$

Hay is cured principally by evaporation of sap drough its leaves. If these become brittle and of a swath is exposed too long to the scorching rays of the mid-day sun, the curing process is arrested, and the thick stalks will contain an excese of moisture, though casual inspection would pro-
nounce the hay quite dry. The curing process is nounce the hay quite dry. The curing process is
prolonged, and the hay suffers heavy depreciation of feeding value through the loss of the leaves, which are by far the best part. Hay should be AIR-CURED, not SUN-BURNT. Keep the swat

## A Bumper Hay Crop, and How to Handle It. <br> In at least some sections of the country hay- handling hay in this way, it is necessary that <br> EARIY CUTTING AND RAPID CURING.

 ing is upon us, and, as the crop is heavy, it is each bundle be well torn apart in the mow and specially important that it be cured with all the despatch consistent with the making of a prime article of fodder. It is important, however, that quality be kept in mind as the paramount consideration, for the economy of malking poor hay, to be supplemented in feeding with expensive concentrates, is never, to our mind, apparent.While great improvement in haying methods has taken place, as regards expedition, at any rate, there is room for much more, and just now is an opportune moment to compare notes. Ho this end, we have arranged to place belore our ractical a budget of enstructed to deal with the following points

1. How do acreage and promise of meadows in your loc
years?
cear At hata cutting, And what st
2. Describe your favorite or customary prac tice in mowing, tedding or turning, raking, coiling, loading, unloading, and mowing or stacking, with special reference to labor-saving implements, particularly unloading devices.
3. Have you ever used hay caps or seen them used, and with what success ?
controllable factor in the making of importan controllable factor in the making of good hay ? per ton of making and storing clover, timothy and alfalfa hay, respectively?
well tramped down. If left in the mow in large hay-fork bundles, it is almost sure to spoil some, color. Acreage is fully up to average. Promise crop was never better at this date. Com clover and alfalfa or lucerne are excellent Commence cutting alfalfa when three parts
e green, it to the fact that alfalfa has to be cut so the bight in the crop will be considerable, and will


Time-savers.
clover or timothy. In our experience, we found be found much harder to cure. If cut when all is it necessary to leave it exposed to the sun for a in full bloom, or slightly past, the stems become day after it was cut, and we also turned out the woody, and the loss of leaves in curing will be
much greater. Common red is at its best when
coils an hour or so before hauling. coils an hour or so before hauling. factor in the in full bloom, and when a few of the heads which
The most important controllable facter curing of good hay, we consider to be the preven- first bloomed are beginning to turn brown. If tion, in as far as possible, of the hay coming in the weather is showery, it is better to defer cutthe injury from rain


Side-delivery Hay Rake. may be greater than maturity from overshould be cut whe the bloom is off. If cut when in bloom, it becomes dusty, and is
harder to cure left to get overma woody, it becomes the leaves and sed of lost. Stock will relish it as well as if cut before the seed be-
gins to ripen o ripen
for fine weather, begin mowing any time during the day. As soon
as sufficient is cut, as sufficient is cut,
start the tedder. If two mowers are put in the field, start the tedder with them. The contact with extraneous moisture, as dew and rain. weather is the controlling factor. If exception The cost per ton of making and storing hay ally fine, coin in the coil as soon as the ing favorable conditions, I have figured the cost as hay is in fit condition to do so. Leave in coils follows: Red clover, $\$ 1.30 \mathrm{per}$ ton; timothy, two or three days, then open coils in three o
$\$ 120$ B. alfalfa, $\$ 1.50$, $\begin{array}{ll}\$ 1.20 \text {; alfalfa, } \$ 1.50 . & \text { B. J. WATERS. } \\ \text { Middlesex Co. (ont. } & \begin{array}{l}\text { four parts, so as to allow the air and wind } \\ \text { pass through before drawing to the barns. }\end{array}\end{array}$


Two to One.

If it is impossible to get help, the hay loader
ill be found most useful. If help can be secured the loader may be dispensed with. For unload ing, no hay barn or loft should be without a track ferable to iron). Have used hay caps. They proved to be far too much trouble for all the good they were. The wind would blow them off as fast as you could
put them on, and this usually occurs just before put them on, and this usually occurs just before
a rain storm. If the hay is coiled properly, yo do not require them
The point to emphasize is cutting at the right stage of maturity
weather, but it will average about on the
 falfa or lucerne, $\$ 2.50$ per ton. John FIXTER.
Macdonald College Farm, Ste. Anne de Bellevui Macdonald College Farm, Ste. Anne de Bellevue
Quebec.

LOADER AND SIDE-DELIVERY RAKE. There are about the same number of acres as other years, but the clover is not as large an acreage as other years. Clover is very good looking well, started to blossom. Every farmer ought to have from one to five acres of alfalfa on his farm all the time; if not for hay, then just for hog pasture
The stage of cutting must be governed by the amount one has to cut. We have forty acres this year-all clull bloom. I think the right time is about in full bloom. I think the right time
when a few of the heads are turning brown. When cut early, it is a little hard to cure. The cutting and curing of hay has changed a great deal in the last three or four years, on ac
count of labor being scarce. I will give you my plan of handling hay as near as possible. Commence cutting as early as possible in the morning do not think the dew on it makes much diffe but $I$ find it better to let it lie till the next morn ing, about 10 o'clock, especially if you are cut ting in the early stages, up to when the heads are half ripe, then you can ted it the same day. Afte and hay not very heavy, you may be able to draw a little of it in ; but it will be best to ted it again in the afternoon, and the next morning, as soon as the dew is off, put it up in windrows with
side-delivery rake, then it is all ready to load with the hay loader and start drawing. Hay is not left in coils as it used to be; it is put in wind row with rake, and loaded with the hay loader,
and unloaded with the hay fork or slings. The and unloaded with the hay fork or shings. change came aboust as well. Hay caps are not seen or used here. I, think if a farmer was going
to make good hay out of alfalfa, they would be to make good hay out of alfalfa, they would be all right. making and storing hay. I have heard said that it cost about $\$ 5.00$ per ton for clover and tim othy. I have never tried to figure
have no scales handy.
Elgin Co., Ont.

CLOVER SCARCE IN FRONTENAC COUNTY morning as soon as the dew is off, putting up in Pa de falls, and turning out in Frontenac is probably less than in 1907. So long enough method
much of the new seeding being plowed up will ac- When the hay is heavy, the tedder is very usecount for this. Meadows are very promising at ful, although there are not many of these impledate of writing, except on shallow land, which is ments. The same may be said of hay loaders. showing the effects of the prevailing drouth. If Unloading is done by the fork, sometimes slings, we get a good rain within a week or ten days, dumped in the mow by horse-power. We know is likely that meadows will be good. nothing or hay caps. May in 1907. Prospects


## Unloading Hay.

Farmers do not go in much on alfalfa. Red they are conspicuous by their absence, having been pretty well killed out. Timothy is the main grass. The majority favor cutting timothy hay as soon as the second blow goes off. Some say the head. One advantage of cutting at this stage would be that it is easier cured. We favor the first plan, because we think it makes a better feed for stock generally. The majority favor cutting
clover as soon as it is well advanced, in order to clover as soon as it is well advanced, in order to
get a second crop, or pasture. We aim to have get a second crop, or pasture. We aim to have
the hay saved as green as possible, cutting in the
$\qquad$ left high keep hay well spread in mow, for if The most important controllable factors in the curing of good hay are to cut it before it gets leaves, before putting in the barn. Coilling and shaking are very important, so as to have it sweat in the coil, then it will not take as heavy sweat in the mow.
The cost of making and storing hay depends a eal on the weather
Renfrew Co., Ont. JAS. HY. BROMLEY.


CLOVER PROMISIMG IN NOVA SCOTIA
The acreage, and especially promise of mead this locality, are better this year than for several years previously. There is a splendid outlook fo red clover on new meadows. I never saw it bet ter on our farm. We have never grown alfalif
extensively, and what we have looks well where it did not winter-kill. On the same piece of new meadow, where the plots of alfalfifa and red clover come together, there is a marked difference in with considerable marsh mud in it
We generally aim to cut timothy when the last of the pollen is falling, but that is not alway
possible, so we begin when it gets well holosome possible, so we begin when it gets well blossomed
and some years it is quite hard when finished. It feeds better if cut soft, and weighs better when hard. We generally cut clover (red) when it is (airly well blossomed, before it grows too coarse,
It can be cut two and three, and sometimes It can be cut two and three, and sometimes as
high as five, times during the season. The best high as five, times during the season. The best
time to mow is just as the dew is nicely
off.
The tedder should be put over it when it is nicely
witted, and, if possible coiled before the dew wilted, and, if possible, coiled before the dew falls
(especially clover). Shake it out next day when especially cover). Shake it out next day when
the dew is off, and commence hauling as soon as it. will "rattle." Clover (red) needs more ted ding than timothy, and sheuld have two tays
sun, being tedded several times and coiled over sun, being tedded several times, and coiled over
night. We cut alsike clover with the timothy. In night. We cut alsike clover with the timothy. In
reference to loading devices, I would say that there is nothing so good as a good strong man with a good strong fork. The loader is not practicable A pitcher in the barn is a blessing to humanity At sitches time and hard work, and makes one feel better-natured to see those huge forkfuls going away up so easily.
We have never
them who have used hay caps, but some use time. who have plenty of money and help and
of cors, the hay is better never to see
dew. dew, but "the game is not worth the candle." of good hay are finpertant factors in the curing and good willing hired help. If I had to go with. out one of these, I would take the willing men. But you say "good" hay. It is impossible to get up "good" hay in wet weather. clover than timothy. The advantage that stover has is its quantity to the acre per season, and its benefits to the soil. I would put the average cost of making clover hay at $\$$ a position to esti-
timothy $\$ 1.50$. I am not in a
JUSON F. SHAW. mate for alfalfa.
early cutting preferred
The acreage under hay will be about the same
as last year, but the prospect is that we will have a very much heavier crop than last year. The moadows have such a strong growth of clover that we look for a bumper hay crop if weather condi-
tions continue at all tavorable Alfalfa tions continue at all favorane. Affalfa, in some instances, has failed to stand the winter and was
thrown out, where the red clover alongside came through all right
one off the timothy and cut clover when mostly gone off the timothy, and cut clover when in full
bloom. This gives us the best quality of hay, and we find it much easier to save clover in catchy weather if cut green, as it will turn the wet bet-
ter in cock than if it is riper. As most of the hay is cons
great deal.
We mow clover in the morning, as soon as the dew is off, and after a few hours shake it up and turn it over, in coil one day, then shake out and draw to the mow when the sun and wind have had time to
get through it. Tedders and loaders are not generally used here, but all have horse forks for find it the best. Till clover is a surer crop here, tedders will not be wanted much, though a year like this they would be in request
factors in curing good hay are, first, cut it in right season. If you have a large acreage, begin sooner so none will be overripe before you get
through. If weather is catchy, don't cut too fast, and try to have help
whenever it is in condition.
The cost per ton of making and storing hay will depend very much on whether the crop is light or heavy. If we can get two tons fram the
acre, the cost of cutting will be small, but if we acre, the cost one
go over two acres for the same amount, the cost
will be much preater. Weather conditions also make a mreat difirerence in cost, as, with bad
weather, it takes much more handling to get it weather, it takes much more handling to get it
properly cured. About $\$ 1.25$ per ton, we judge properly cured. Aberate cost of cutting, curing and
would be the average housing where hay was a good appliances
weather good, and where EOOTR SIMPSO used.

Quen's Co. P. E. I.

## THE DAIRY.

## AMONG THE FARMERS' INSTITUTES.

The month of June is the time of year set fo the annual meetings of the Farmers' Institutes of members of the Ontario Agricultural College stafl to attend a number of these meetings each year To keep the stall in touch with practical farmers and farm operations in various parts of the Prov Ince, and, in the second place, to provide a change
for the staff; and we all know that a change is as good as a rest: The early part of the month of June is a beautiful month to see the country Our soul was cheered as we noted the evidences of revival of hope on the part of the farmer in many
sections. While all this is true from a visitor's viewpoint, we very much question if this is a suit. able time of year for holding the annual meetings of the Institutes. Having already expressed my the more freely say that, in my judgment, the re the more freely say that, in my judgment, the re annual election of officers took place at the time of the winter meetings. My reasons for thinking
${ }^{8}$ 1. T
tended, and better reetrings are more largely at cured for directors. The tendency is for the old board to be re-elected in a lump. Many of them
are not present. If a director does not take suft are not present. If a director does not take suft
ficient interest to be present at the annual meet ing, he is not likely to be of much service to the Institute.
2. Farmers have more time to consider ways and means of making the Institute a power for
good among farmers.
It is not customary to have regular meetings in the forenoon in winter. One forenoon could well be devoted to a discussion Pramme is in in the afternoon and wevening the attendance of those interested is likely to be greater in the forenoon, though, personally, we have seen the business of the year put through
before the regular afternon good results. Where a live president knows the rules of procedure, the work is done quickly. busy a time for farmers to attend June is to more particularly in Eastern Ontario a meeting farmers all busy getting their corn land ready and some were just finishing seeding, owing to the wet season. It is folly to expect farmers to the time for these meetings. We trust we shall not be considered as going beyond our province by calling attention to this matter. Having been an Institute worker for 17
years, we may fairfy lay claim to some knowledge of the subject. "rie Farmers' Institute has been
potent factor in improving conditions on the farm, and in awakening farmers to the benefits of Knowing why, as well as how
Our first meeting was at
Jersey of Canada in the future. Mr Island-the son is president, and also a reader of "The Farmer's Advocate." What will Amherst Island do
when Henry Filson passes Am to his reward when Henry Filson passes on to his reward
Doubtless, younger men will take his place, but he has been a tower of strength to the farmers
of the Island
Mrs Filsong and their two sons of the Island. Mrs. Filson and their two sons
and youngest daughter, at home, made it very and youncest daughter, at home, made it very
pleasant for us during our stay.
The evening meeting was well attended. Addresses were given
by Revs. Cumberland and Lindsay, and also by Mr. Fowler, an ex-student of the College. Al monthly meetings to be held during the coming winter. These ought to be a source of inspiration to all who attend
The season has been bac iward on the Islandwere busy getting the corn land ready. The spell. which caused the clay land to bake int great need on the Island, and also for most of the country along the lake and river east of Belle-
ville. A well-thought-out scheme, whereby the arms could be drained, Would be the salvation o We saw places where hope had evidently bidden arewell to the occupants of the farm, and blind
despair led the owners or tenants in their weary ound. We know of nothing more pitiful than a umble-down house and barns sitting in the midst
of a weedy field. without lawn. tree or shrub, the only ornament being a woodpile, accompanied by saw a fence-rails and dilapidated machinery. We Heaven help and pity a woman under such condiOur second meeting was at Frankford. Frank Mallory.B.S. A. is the genial president. Frank

ion to dairying, farmers in this section are much interested in apple-growing. The president estiset out in the vicinity of Frankford this spring armers own the cheese factory, and also a co operative fruit plant. By the way, the chees actory will have to be moved at the end of the will run through the present site.
n took place on the whey-but ter question at the afternoon meeting. A gentle
man in the audience said he had offered the farm ers $\$ 100$ for the privilege of making whey butter would put in all the machinery. He had tested the butter, and found it to be excellent, and also said it had good keeping qualities, as he had used the last of his butter on May 24th, which was the farmers present were down on whey butter. Alf were not favorable to placing cheese in cold storage,
The suggestion made to use whey butter for The suggestion made to use whey butter for patrons, met with a strong protest. One man was made, and he did not approve of using such butter on his table. He always kept the best or his own use, whereas some sold their best and ate the poorest.
We were told that
We were told that the arrangement with the ing the whey butter for the factories of the county, is that the factory-owners are to receive onethird, the farmers one-third, and the company onewill be closely watched by all concerned in the dairy business.
In the northern part of Hastings County several
the factories are sending their cheese directly of the factories are sending their cheese directly
to England, with very satisfactory results. I informed that if the buyers continued to boycott Belleville cheese board on Saturdays, many other actories in the county would follow the example that five factories near Frankford could send out or two carloads of cheese weekly from the one tation. It is refreshing to see these signs of independence and business enterprise on the part salesmen have been in the habit of going to Belleville on Saturdays, and if the day were changed meant an extra trip and more expense, which actories would not bear.
The jump from Frank North Ontario, was a rather to Sunderland, in way of Peterboro and Lindsay from Port Hope,
way
through the Midlands hrough the Midlands of Ontario. Crops looked there were many evidences of too much rain or lack of underdrainage.
At Sunderland is held every week one of the argest butter markets in the Province. Tons of hough there are creameries in the locality, farmers seem to prefer making butter at home. I
vas told that some of the very finest butter is no margin of profit to the farmer. We leel sure that, if farmers patronize the creamery, they Would receive as high a net price for their butter less. Mr. Henry Glendinning now would be much to the creamery, and is satisfied that it pays as The town hall and market is one of the finest we have seen in any village, and would do credit
to many a town and city. The Township Rrock is a to be congratulated on its enterprise
Rron the tion is a great faature in the townshin CompetiWiddifield, another O. A. C. boy, is secretary of good to see the "boys" "of the College coming to renerally do not seem to be giving that farmers support to the officers of the Institutes which they
ought. Who will help to hold up Moses' hands?

THE DUTCH HERDBOOK AND MILK RECORDS and much belonging to it a marvel for accuracy, herdbooks, writes John speir, of Clasgow, in the
1.908 Volume of Transactions of the Highland and
Agricultural Society of Scotland of Scotland are great believers in the varme of 1 )
milk records, hal have numerous societies for
carryyng on this work. Fintry to the herdhook is
obtained, not only py pedierce, hut by milk pro-
first and heifers after they have had their
records were amation Prior to 1907 the milk
same chatch and in the when under the
other respects they do not differ materially. Thev
seem all to be very heavy milkers, pointed out which had given exceptional y yelds, from 1,200 to 1,400 gallons of 3.5 per cent. fat
being not uncommon. In one herd there were 26 3.52 which cent. of fat, in 1966 average of 1,044 gallons of ordinary cows, ected or connected with which are in no way se enerally contains only 3.1 to 3.2 per cent. of fat hile those connected with the milk records go up

DAIRY INSTRUCTORS MEET The dairy instructors and sanitary inspectors
$r$ Western Ontario met at Woodstock on Friday, r Western Ontario met at Woodstock on Friday,
une 12th. They visited the Innerkip and Bright make about 200 the afs of cheon. These factories Chey are well equipped, and well managed. Mr.
E. M. Johnston has charge of the Innerkip facEory, and $R$. Johnston has charge of Bright.
Entering these factories, the first thing that attracts attention is their neat, clean, tidy appearplace for everything.
The scales, weigh cans, vats, agitators, pails,
hoops and presses, and everything in and about hoops and presses, and everything in and about
the factory are shining like new. The walls and ceilings are nicely painted, and the makers say it
is no trouble to keep things in good shape This is one of the best dairy sections in Westin the neighborhood well equipped and well managed. Practically all the factories in this section are pasteurizing the whey and $\begin{aligned} & \text { sending it home } \\ & \text { sweet and clean to the patrons. Bright factory }\end{aligned}$ was one of the first to adopt this system of pas-
teurizing the "whey, and the patrons were so well pleased that the system was quickly taken up by tion with several of the directors of these facturning the whey without pasteurizing. They
consider they are well repaid for the cost in the ncreased value of the whey, in the fact that the receive the whey sweet and clean. The tanks of both factories are emptied each day of any whey
which is left over, and cleaned. The acidity of which is left over, and cleaned. The acidity of morning is about .23 per cent to 25 per cent.
No wash water is allowed to go into the whey tanks. Innerkip, the Ontario Department of Agriculture put in last year an experimental sewage
plant, which is working well, and disposes of all
the wash water. At Bright, the wash water is irained away through a closed drain to a sewage box a considerable distance from the factory. An
interesting item in connection with Innerkip factory is that for a number of years they have been troubled almost constantly with a yeasty fermen-
tation or bitter milk, which often gave the cheese a bitter and fruity fiavor. This troule was in apparently everything done to overcome the diffisoon as the whey was heated up to a temperature trons' cans the flavor disappeared, and up to the
tresent time has not occurred in one single inIresent time has not occurrec in one single in-
stance. The organism which apparently was
causing this flavor was being grown in the whey through the medium of the patrons' cans. This
seems quite conclusive evidence that if the whey is heated to a temperature of 160 degrees, and the
tanks kept clean, the chances of bitter or yeasty Harrison suggested this remedy at the time of his investigation, but it was not then acted upon.
The Bright factory spent, last year, about The Bright factory spent, last year, about
$\$ 1,000$ on the installation of a modern cool-curing spen, and the results very satisfactory. The out-
spent changes of temperature have now no effect on
side chand the quality of the cheese. The Innerkip factory
has not an ice cool-curing room, but their room
is (

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 structors left for Guelph, where, on Saturday forenoon. they had the opportunity of scoring the ex perimental cheese and butter made at the dairy
school during May. This was good work, and some very interesting points were brought out,
Thanks are due Prof Dean and his staff for the
way in which they tried to make the day one of interest and profit to the instructors.
Mr. Fulmer, of the Chemical Nepartment, very
instruction wes thoroughly discussed and further
lines of work mapped two days spent together was a source of help and Chief Dairy Instructor, Western Ont.

COW-TESTING ASSOCIATIONS Some recent results of monthly tests in associa.
ions organized by the staff of the Dairy and ColdMay 10 th ,
milk 40 averaged 70 May 12 th, Milton, Ont., 97 cows averaged 548 lbs . May 15 th, Dixville, Que., 40 cows averaged 451 lbs One of the best individual yields yet to hand
throws these "average yields" very much in the shade A seven-year-old cow in the association at Innerkip, Ont., that calved 25th March, gave, in the thirty days
of April, no less than 1,910 bs. milk, testing 3.3 , or 63 lbs . of butter-fat. If only one cow has to be
housed, fed and milked, in place of three, there is an immense saving of labor and material. Look to the cow-testing associations is helping farmers to detect the poor cows; it is also proving useful in securing better treatment for good cows, so that more milk
from fewer animals can be obtained. There are now over seventy associations in Canada.

Shiftless dairying may not pay very much bet volved and more skill and intelligence necessary in the former line, and there is a correspondingly wider latitude for loss if the management be bad But where land is of any vatue worth mentioning a verage beef-raising, in point of profit, and it cer tainly offers far greater scope for development

## GARDEN 部 ORCHARD

THE FRUIT TRADE AND THE FRUIT MARKS AC ruit co-operative Committee of the Ontario Truit-growers' Association met on June 10th, and
discussed ways and means of assisting the local co-operatve associan disposing of their done last year, giving the list of the associations, amount of fruit available. This circular will be mailed to the trade
There are about forty co-operative fruit-giowbe greatly increased were provision made for sell ing the fruit. As a rule, the pack of the co
operative societies has been honest. cases the quality is above what is required to fulfill the conditions of the Fruit Marks Act. In a
few cases defective packing was reported. occurred more through ignorance of the law than the co-operative societies that, out of some 190 convictions under the Fruit Marks Act last season,
there are only a couple with which they were con nected, and these were somewhat minor offences. Were the co-operative movement thoroughly or ganized, and proper instruction given in packing
the fruit, the cases of fraud traceable to these the fruit, the cases of fraud traceable to theme ooches , very fewa, has
season on record in connection with the administration of the Fruit Marks Act. As shown above, was a great deal of inferior fruit last year, and the temptation to pass a large share of it as firstquality was great. Many dealers bought up early in the fall, at high prices, and stood to lose unprice in the market. Then, the act was more strictly enforced than heretofore, and a strong effort made to compel the packer to live up to the Act. This woul But when stricter enforcement was applied in an unfavorable year, the list of convictions was bound to run up to a large figure.
Everyone will agree, however, that the Act must Everyone will agree, however, that the Act must
be strictly enforced. A permanent export trade in Canadian fruit cannot be built up unless it is. ments of the law simmer down to a group of un-
scrupulous packers, who seek to make money by scrupulous packers, who seek to make money by
breaking the law. That is, they endeavor, by their stock as to pay the fine imposed, and still make money out of the transaction. This is true
largely for the first and second offences, for which Kargely for the first and second offences, for which
the fines imposed are not commensurate with the crime. Under last year's amendments to the Act, a third offence is punishable by a fine of $\$ 100$, of the magistrate. Many of these parties are eligible, or soon will be, for the third degree, and
may be compelled to be honest for the reason that
limit of the law in fines will not prove a sufficient deterrent, then the law should be so amended as to make imprisonment compulsory for repeated
breaking of the law. The importance of the rade is too great to have it brought into disre pute by a lot of unscrupulous individuals who care neither for their own nor their country's
reputation, so long as they profit by dishonest dealing. In their case, familiarity with the law ppears to breed contempt, and they should be made to feel its full force. To bring such to
meir senses, and to see things in their true per spective, the law should be made as stringent as possible. Every honest grower, packer and ship per will back the Government in so amending and enforcing the Fruit Marks Act as to make dis
honest fruit-packing so unprofitable that no one will venture to break the law.

## A BACKWARD MOVE

In the House of Commons, the other day, according to recent advices, Hon. Mr. Fisher, upon ties for violation of the Fruit Marks Act penal oo severe, said that he was prepared to reduce them, so that for the first offence the penalty
would not exceed $\$ 25$ nor be less than $\$ 10$; for the second offence, not more than $\$ 50$ nor less
than $\$ 25$; and, for the third offience, not exceeding than $\$ 25$ : and, for the third offience, not exceeding
$\$ 200$ nor less than $\$ 50$. With these alterations the bill was reported and passed.
Is this wise? Not since this Act came into force has there been more flagrant dishonesty in ruit-packing than during the past year. So re
quent and so glaring have been these infringe ments of the Act that the Canadian fruit trade has to som3 extent been brought into disrepute icle," nearly 200 cases of false branding of apples have been proven in the court the past season, and these, for the most part, by parties who deliberately make a practice of breaking the law In the face of this experience, it would appea,
that a lessening of the penalty is not what is that a lessening of the penalty is not what is be, imprisonment, in place of a fine, for repeated The Fruit Marks Act has now been in force long enough for every shipper and person engaged in the fruit business to know the standards required for the different grades. With the excep-
tion, perhaps, of some of the more recently-organized co-aperative associations, there is little ex cuse for false branding of apples. Even these coness until they know what the different grades are and the quality of fruit required to fill them People in the fruit trade know the law, and should be made to respect it, and they will posed are large, rather than small. It would have been in the best interests of the fruit industry had the Minister of Agriculture stood his ground lessening the fines impuged. Any weakening of those in authority in regard to the Act is sure to

FRUIT - GROWING AT RED DEER, ALBERTA. An item appeared in one of the Edmonton
papers a few weeks ago which was widely copied by the press of Western Canada, to the effect that a gentleman at Red Deer had an apple orchard of ten thousand trees in full bloom, with splendid prospects for an apple crop in the fall. The reHumboldt Sharp, the gentleman in question, has ten thousand apple trees, all right, some of them in bloom, but the plantation is as yet far from Sharp went to the Red Deer district a your from the northern part of New Brunswick, taking with him to the Northwest about ten thousand apple trees of the varieties found to be hardiest in
the northern part of the Maritime Provinces purchased a ten-acre garden plot on the north side of the town, set out his nursery stock, and was engaged in the market-garden business last summer, though, if any success is attained with the apple work. The varieties that stood the winter with work. The varieties that stood the winter with parent and Duchess. Many of the trees of these varieties were hardly affected by the frost at all ; they are eing in bloom. A number of the other varieties tested, however, have been unable to withstand the climate. The Snows, Ben Davis, back, some of them right to the ground. frozen Mr. Sharp intends setting out an orchard this spring of several hundred trees of the three firstnamed varieties. H1s soil and situation are parsheltered on three sides by dense poplar scrub and the soil itself is deep and fertile. He is putting out quite a patch of sitrawherries this spring inctructors use in their work. The "wro of

## POULTRY.

GAPES AND THEIR TREATMENT
The current notion that incubator chicks are
mmune from gapes is entirely wrong, writes Bessie L. Putnam, in Farm Poultry. True, many incu bator chicks escape them, but it is because they were protected during the first few weeks after life to be hatched artificially
The disease is due to a small threadworm in the Windpipe. The life-history of this worm is still
under discussion; but certain it is that whether under discussion; but certain it is that, whether
they are parasitic in earthworms or birds, breed in the ground, or are coughed up and passed thus from one chick to another, ground once infested with the worms remains so some years.
gapes" has them on ground free from the pest The one who is troubled every year will save in the end to transfer her poultry nursery to other
ground. This is why so frequently the incubato ground. This is why so frequently the incubato same place, raised by a hen, sicken and die. Just hotice, next time, and see if the brooder iven a nice grassy plot, while the old hen is ooped in
If it is impossible to furnish new ground cleanse the old by sprinkling with lime. Watch the chicks closely, and as soon as there is a preonitory sneeze, put a little kerosene in the food ceptible; if too much is used, they will not eat the food. If this does not avail, try giving those affected a few drops of kerosene in which a little
camphor gum has been dissolved. This is mosi easily given with a fivecent medicine dropper though a feather may serve instead. Turpentine applied in the same way, is also helpful. Persist with this treatment daily, or oftener if necessary and some very bar cases may be cured.
Wet weather is favorable to the development o this trouble, and chicks need extra attention dur

WATER-GLASS METHOD OF EGG PRESERVATION IN DENMARK
Egg preservation is carried on on an enormous scale
port, many of the eggs shipped abroad have already been preserved for four or five months. The material used for this purpose is chiefly waterglass (atsolution of slicate of soda), although cheaper, and gives almost equally good results. With lime-water, however, the shell of the egg is hardened and roughened, which is not the case
with water-glass. The eggs are laid down in enormous tanks, which will hold from 70,000 to 80,060 , and the tanks are then filled nearly to the oop with the preserving fluid. These tanks are built in cool, underground cellars. For successful fresh before laid down. On removal from the solution, the eggs are well "ashed in running water, and dried in the air before being placed on the
market.- Agricultural News,

Fresh ground is one of the prime essentials to
success in chicken-raising. The old runs, picked
clean of clean of sharp grit, with the insects snatched up as quickly as they grow, with the soil polluted and contaminated with the seeds of such trouble as gapes, blackhead and other ailments, to say nothing of unwholesome but little-understood bacterial fare-such runs must be avoided if continued welcess is expected in rearing large broods of vigor ous, profitable stock. The colony-house and hopper system of feeding offer the best solution of
the fresh-ground problem yet devised. Get the chicks out in the cornfield, the orchard, the meadwastage that may he converted into poultry and
eggs. It will result not only in more, but in better poultry product is plain

The twenty-third annual convention of the
Amer can loultry Association will be held at Niagara Falls, N. Y., August 11 th $1 \cdots$ h and $1: 3$ th.
1908 .
Secretary Ross (C. I Hallock sends 114 . list of thirty-two applicants for general judges'
licenses, to be acted upon at this foregathering, among, them being two Canadians, viz., J. H. Minshall, Brantrord, Ont., and H. Farto. Inger porations to Light Brahmas Notice is given of quite a considerable number of amendments to the constitution proposed by various members. Some uncomfortable scrimmaging in the region of the
secretaryship is also anticipated. Altogether, the orthcomin

APIARY.
AFTER-SWARMS
In box-hive and straw-skep days, after-swarms that is, swarms issuing after prime swarms, and accompanied by virgin queens-were considered an
unavoidable evil. They generally are undesirable yet, but not unpreventable
warms are several ways of preventing aftero a surplus of queens, they can, of course, be revented by removing this cause. Prime (first)
warms issue as soon as one or more queen cells swarms issue as soon as one or more queen cells
have been sealed. About eight days later the first virgin queen emerges. Then she will lead out an after-swarm. The apiarist can, before any young queens emerge, open the hive and remove,
by tearing off all queen cells but one. When the by tearing off all queen cells but one. When the lead out a swarm, for those left in the hive would be in a hopelessly queenless condition


A Fair-sized After-swarm
When examining the frames for the queen cells, some may be missed, if there are many worker suance of after-swarms. To make quite sure not missing any cells, the bees should be removed from every frame. Don't do this by shaking off the ceell, as that will injure the embryo queen in The best way to do this work is to make light box, into which all of the frames are to be frames, one by one, brush the bees in front of the put the frames back into the hive-body. Some one may not understand why it isn't just as well to remove the frames and brush off the bees direct from the hive, and return them at once, placing
them at one side. If this were done, many of the them at one side. If this were done, many of the
bces would be brushed again and again, until all of the frames were examined. That makes bees angry and they will give the oferator point-
 larent hive to an entirely new stand. No aiter
swarms will issue from it then, for reasons ready given. There are times when the apiarist desires increase. The first after-swarm from each hive can
well be utilized for this purpose. They will luster as an ordinary swarm, and can be hived
the same way.
As after-swarms are weaker numerically than As after-swarms are weaker numerically than
prime swarms, it is desirable to hive them onto rames filled with full sheets of foundation. They
Wisconsin.

## THE FARM BULLETIN

PROF. McKAY LEAVES IOWA.
Prof. G. L. McKay, the noted Canadian-American
Dairying at Iowa State College to become Secretary I the National Dairy Manufacturers' Association, at salary of $\$ 6,000$ a year. Prof. McKay was parentage. Completing his schooling in the dairying, and spending two years dairying, and spending two years on one of
the largest dairy farms in the Province, familiarized himself with the problems of milk production. After that he spent two time on has steadily In 1900 he went to Iowa, where his success winning prizes, both in butter and as well, attracted the attention other States Wilson, then Director of Agriculture in Towa State College. In 1902 he was invited to give instructions to the senior class in cheesemaking at the College, and, two years
later, was placed in charge of the Dairy De partment. in which position he has achieved extraordinary success. Outlining and pursuing investigations appeared to be his forte.
His first work was on :/ Cream Ripening and His frrst work was on "Cream Ripening and
the Use of Starters," but his work that tracted most attention was on the that atand effect of Moisture in butter. His utter-
ances on this subject thrust him ances on this subject thrust him at once into dairy opinion is not entirely unanimous as said that he the prudence of his teaching, it may be from 15 to 16 per cent. of moisture is as containing ontaining 10 or 12 per cent., and, of course, more can During the past year . direction, a new rapid test had been brought out for determining moishe in butter, the strong points of which are said to double alumin and accuracy. It is composed of a double aluminum cup. using a paraffine bath for trans-
mitting the heat. This does and mitting the heat. This does away with the danger of
oxidization of fats. He Has broubthen cream sampler that is considered the best on the marNet. A book entitled ". The Principles and Practice of Buttermaking," which is being used as a text-book was compiled by Professorg theols of the United States, 1901 Professor Mckay was sent abroad by Secretary fr Agriculture, Hon. James Wilson, to investigate airying as it is carried on in European countries, and.
upon his return., the dairy press of America profted
 ing aerricultural colleges dairy professors in the leadanadians he is quite well known through his addresse

## nsum

LET US BE THANKFUL

After-swarms Should be Hived on to Frames Filled
There is another method of after-swarms prevention that does not entail the opening of hives,
ly moving hives about, the excess of bees are
drained out of the parent hives. Then, the renuming bees, considering themselves too few in
number, will not swarm, though there may be more than one virgin queen or queen cells.
To go into detals: When the first swarm issues, it is, after having been hived, to be put on-
to the old stand. The parent hive is put at one side of the new hive, with its entrance at rightangles to the new hive will about two days turn
the parent hive so it wace the same as the
new hive. On the sixth or seventh day from the sestance of the frime (time swarm, carry the
as well as pleasure
well as pleasure. 'Tis the mont

 tax. This much-abused system of working in his roond ap-to-date systom of road-making. country is further behind in respect to rostridy our
than in any other thing which concerns Speaking generally. we whitce concerns our farm life.
hand, improvements have heovelopment on every
 steadings, manner of soil tillage and farm implements,
but the same old system prevails regarding our public highways, oxcept in a very few counties or townships hroughout the country. The good roads reform can.
hot spread too rapidly throughout our fair Domint spread to rapidy throughout our fair Dominion,
Since writing my last notes, which were rather 0. ceeks, which parched things up almost beyond oon-
ception at this season, and we were beginning to think
repetition of last soand repetition of last season was were beginning to think
gan to wonder what we had done to and be When fortunately the rain came, after a trated thus, wave, refreshing all vegetation, starting corn nat other seed that had been lately sown or planted. The hay crop, which came on so well during the latter
part tof the month of May, does not promise to be the
 will be at work, asches it prour readers the mower Timothy, now heading out, is somewhat short, but
will tengthen out considerably yet, providing we get moist weather. The early grain looks well, but much of the late sown grain hardly covers the ground yet.
$\mathbf{A}$ large acreage has been sown to grain, mostly
 some years, and not being a sure crop, few are sown
compared with former years compared with former years. A much larger acreage
of corn has been sown also of vetches and oats peas and oats for awn, uliso of vetches and oats, or
The exiling crop.
The exprience of ast summer has taught many of our farmers the the
value of these crops, the former for silage and the later for summer feeding to the cows when the pas-
tures begin to fail, so that the milk how may to tures begin to pail, so that the milk fow may be
maintaind. The pastures were fine until a week aoo,
when they shortened up. owing to the dry weather, consequently the milk flow dropped about 15 or 20 per
cent.
Few farmers feed grain feeds or bran, owing to the high prices of these. The recent rains, will refresh
the pastures and give a full bite again.
This is the time when our pastures give a perfiect ration, as fresh,
succulent grass gives a greater return in milk and beef larger ampunt of milk than ever before since it comg menced operations several years ago They have so
adapted their plant as to handle even a larger amount han at presch city market is also larger than any grevious yar. The ourput of butter and cheses on not
quite up to tormer years, owing to so much milk being used at the condensary, and the increased demand Fewer young hogs were for sale this spring than noval, end the demand for shoats and young pigs was $\$_{83}^{\text {good. Seach, at tour weeks old. }}$ Even now, $\$ 2$ can be had for youngsters of that age. Hogs of the bacon
 Veloped a weaker feeling a few days ago, and dropped
about 15 . per cwt. There has been a good demand for heavy horses, hat stamp.
Beef cattle are scarce, and the quality only fair.
Little is done here in shee and and thmbs. now. hat

THIRTY-DAY QUARAMTINE ON CAMADIAN SHEEP.
The United States Department of Agricuiture has amended its regulations governing the inspection and quarantine of imported animals so as to require a
quarantine of thirty days for sheep imported from Canada for breeding purposes, according to a news item in the Breeders' Gazette, this action having been take by Amendment 3 to Bureau of Apimals .Order 142. imported into the United States from Canada, for breeding, grazing or feeding, must be inspected at th port of entry by an inspector of the Bureau of Animal Industry, and also must have been iccompanied by a certificato, signed by him, stating that he has inspected the sheep and has found them free from
disease, and that no contagious disease affecting sheen disease, and that no contagious disease affecting sheep,
has existed in the district in which the animals have has existed in the district in whing the date of im
been kept for six months preceding
portation. The owner or importer shall present an portation. The owner or importer shall present a
affidavit that said certifcate refers to the sheep it affidavit that said certicicate refers to the sheep ${ }^{\text {quest }}$ question. Sheop which, upon inspection by an Inquestion. Sheep which, upon inspection by an Inspector of signs of scabies or other disease may be im-
show
ported from a district infected with scab if such sheop ported from a district infectifed with scad by a Canadian official veterinarian, stating that they have been twico carefully dipped under his personal supervision, or un der the personal supervision or veterinarian, in one of the dips approved by the Secretary of Agriculture. In addition to the lime-and sulphur and tobacco-and-sulphur dips heretofore author ized, the amendment allows the use of approved coal ar creosote and cresol dips.

## FAIR DATES FOR 1908

une 30th to July 4th.-Royal Agricultural Soclety Show, at Newcastle-on-Tyne.
fune 29th to July 9th.-Dominion Eixhibition, Calgary,
uly 11th to 17th.-Winnipeg Industrial Exhibition.
uly 13th to 17 th. - Brandon. July 21st to 24th.-Highland Society Show, at Aberuly 21 st to 24 th.-Regina.
ugust 29th to Sept. 14th.-Canadian National, To
Sept. 11th to 19th-Western Fair, London. . St Sept. 22nd and 28 rd .-St. Thomas Horse Show, St Sept. 29th to Oct. 3rd.-New Westminster, B. C. position, Chicago.

## DEATH OF WALTER LYNCH

A press despatch from Westbourne, Manitoba, an
, of that place, long and favorably known to stock breeders throughout the Dominion as a successful and
prominent breeder and exhibitor of Shorthorn cattle, whose fine herd was dispersed by auction some three or four years ago. Mr. Lynch, who was a native of
Middlesex County, Ont. went to the West in 1871 Middlesex County, Ont., went to the West in 1871,
where he gained an enviable reputation as an enterwhere he gained an ecting farmer and stockman, and by his cheorful diaposition and upright business methods made for him self a host of enduring friends, who will learn with death, held the position of Chairman of the Advisory Board of the Agricultural Coll Board of the Ag
THE SPICE OF LIFE,
The

|  |  |
| :---: | :---: |
|  |  |
| The <br> Bank <br> of <br> Toronto | MONBY is hard to earig, harder to seve, and difficult to invest safely: <br> A Bavings Account at The Bank of Toronto is a convenient and perfectlysafe placein which to leep your dollars. INTEREST PAID ON DEPOSITS. |
| Capital Resorve Absets |  |
| BANK INCORP | TORONTO <br> RATED 1 BE5 |

## MARKETS.

TORONTO
live stoc
The total recelpts of live stock at the
City and Union Stock-yards market last
week were 300 carloads, composed week were 300 carloads, $\begin{aligned} & \text { composed of } \\ & 4,478 \\ & 1,201 \\ & \text { cattle, } \\ & 5,617 \\ & \text { hogs, } \\ & 2,297 \\ & \text { sheep, }\end{aligned}$ 1,201 calles, and 106 horses. The bulk
of the cattle offered were stall fed, or of the cattle offered were stall fed, or
stall fed and finished on grass; but, at
the same time, there were several carthe same time, there were several, car-
loads of grassers on sale. Trade was
generally good, especially generally goor, especially for stall-fed Prices were firm fore readl finished picked up.
At West Toronto, on Mondey, June At West Toronto, on Monday, June
22nd, receipts of cattle numbered 41
carloeds; 818 head. Fexport cattle carloads; 818 head. Export cattle firm
er. $\quad$ Steers, $\$ 6$ to $\$ 6.75 ;$ export bulls
$\$ 5$ to $\$ 5.50$, and $\$ 5.75 ;$ prie er. Steers, $\$ 6$ to $\$ 6.75$; export bulls,
$\$ 5$ to $\$ 5.50$, and $\$ 5.75 ;$ prime picked
lots of butchers', $\$ 8.75$ to $\$ 6 ;$ loads of lots of butchers', $\$ 5.75$ to $\$ 8$; loads of
good, $\$ 5.60$ to $\$ 8.85$, medium, $\$ 5.25$ to
$\$ 5.50 ;$ common. $\$ 4.75$ to $\$ 515$.
 calves, $\$ 3.60$ to $\$ 5.75 ;$ sheep, $\$ 4.25$ to
$\$ 5.05$ per cwt .; lambs, $\$ 3$ to $\$ 6$ each hogs, $\$ 6.25$, fed and watered at the mar
ket, and $\$ 8 \mathrm{f}$. o. b. cars at country points. week at $\$ 6$ to $\$ 6.50$; export bulls
$\$ 4.75$ to $\$ 5.25$ Butchers'.-Prime picked lots sold a
$\$ 5.85$ to $\$ 6$; loads of good, $\$ 5.60$ t
 mon,
\$5.
Feed
F. Feeders and Stockers.-Few stockers o
feeders were on sale. feeders were on sale. Stockers, 500 t
700 lbs. each, sold at $\$ 3.35$ to $\$ 3.85$ 700 lbs. each, sold at $\$ 3.35$ to $\$ 3.85$
leeders, 800 to 1,000 lbs. each, brought
$\$ 4$ to $\$ 4.75$ per cwt... according to nual. ity. Milkers and Springers.-There was fair trade for a moderate delivery of
milkers and springers. There were no extraordinarily high prices reported, and
quotations ranged from $\$ 30$ to $\$ 55$ each Veat Calves.-Receipts of veal calves were liberal, and the quality somewhat ratter than for several markets. Prices
ranged from $\$ 3$ to $\$ 5.50$ Prer the bulk, but a few of the best $\$ 6$ to $\$ 6.25$ per cwt .
Sheep and Lambs.-Receipts of shee and lambs were fairly large; trade brisk $\begin{array}{lll}\text { and } & \text { prices } & \text { tirm as follows: Export } \\ \text { ewes, } \\ \$ 4.25 & \text { to } \$ 4.75 ; \text { yearlings, } & \$ 5 \text { to }\end{array}$ $\$$ ewes, $\$ 0.25$ rams, $\$ 3.50$ to $\$ 4$ per cwt. spring lambs sold
Hogs.-Prices for hogs were a little armer, selects selling at $\$ 6.15$, fed and
watered at the market, and $\$ 5.90$ o. b. cars at country points.
Horses.-J. Herbert Smith,
the Union Horse Exchange, West Toron to, reports a fair trade last week, hav-
ing sold in the neighborhood of 100 horses. All classes were well represented, amongst which were some first-class
drafters, carriage and wagon horses. The demand is good from all parts of On-
tario. More horses could be handled it farmers would sell at prices that would allow dealers enough margin for expense
of handling. Mr. Smith reports prices
as follows: Drafters, $\$ 160$ to $\$ 220$, with



CHEESE BOARD PRICES
 Picton, Ont., 11 1 7 -18c. Brockville, Ont
11tc.: bulk of offerings held for 11 t Winchester, Ont., 11 thc. Russell. Ont.,
11\&c. Tweed, Ont. $11 \ddagger \mathrm{c}$ O. Ottawa,
 Perth, Ont., 11 tc. Napanee, Ont.
$119-16 \mathrm{c}$. Iroquois. Ont., 11 fc . Kempt.
ville, Ont. 11s bid. no sales. ville, Ont., 11.c. bid; no sales. Londo
Ont., 11 7 -16c. to 11 tc. Belleville, Que., butter. $23 \mathrm{tc} . ;$ cheese. 118c. Wate town, N.Y.. 11c. to 11 kc . for cheese


## CHICAGO.

Cattle.- Steers, $\$ 6$ to $\$ 8.25$; cows, $\$ 4$
to $\$ 8$; heifers, $\$ 4$ to $\$ 7 ;$ bulls, $\$ 4.50$ to $\$ 5.30 ;$ calves, $\$ 4$ to $\$ 5.50$ : stockers and
feeders, $\$ 3.25$ to $\$ 5.40$.
 $\$ 5.8$, butchers, $\$, 65$ choice light, $\$ 5.65$
mixed, $\$ 5.50$ to $\$ 5.65$.
to $\$ 5.75$; pack ing, $\$ 4.75$ to $\$ 5.72 \ddagger$ : pigs, $\$ 4$ to $\$ 5$.
$\$ 5.25 ;$ lambs, $\$ 4.50$ to $\$ 6$; yearlings,
$\$ 4.50$ to $\$ 5.50$.
BUFFALO.
 Yorkers, $\$ 5.75$ to $\$ 6.10 ;$ pigs, $\$ 4.25$ to
$\$ 5.40 ;$ roughs, $\$ 4.75$ to $\$ 8 ;$ stags, $\$ 3.25$ Sheep and Lambs.-Lambs, $\$ 5.50$ to
$\$ 7.50$; yearlings, $\$ 5.75$ to $\$ 6$; wethers, $\$ 5$ to $\$ 5.25$; ewes, $\$ 4.50$ to $\$ 4.75$; sheep.
mixed. $\$ 2$ to $\$ 475$

BRITISH CATTLE MARKET

Madame Sarah (irand, like many other
iterary people, is very absent-minded, so nuch so, in fact, that the following
tory might bo doubted were it not tolt by a friend of hers. This lady one day
called on the popular authoress and
$\qquad$
"Oh, I've lost my pen," replied
radame Grand, and I must, find it ind
order to finish my story so that I can
Then she paused, and began to laugh.
Why, she exclaimed, apologetically,
1 believe 1 was looking for it among

Little Dick. -1 told the teacher that
'apa. - -1 am glad you did. There is
no all this stuffing. and the
uher ought to know it. What did

 antir 近的ratian
 the june－time Oh，there＇s no breeze like the June Oh，there＇s no breeze like the June
broeze that has swept the rosy
clover， That has blown across the meadows
and the daisies＇drifted snow． That has played among the tree－tops， Oh，there＇s no breaze like the June breeze，sweet though all the
breezes blow． There＇s no sunshine like the sunshine Which the month of June discovers， its tender warmth of tone， bliss of happy lovers－
Theress no sunshine like the sunshine
which this month has made its own．
there＇s no time like the June－time， made of happiness and honey；
Then it＇s sorrow to the background， and rejoicing to the fore．
All the ways of June are gracious，all oh．there＇s no time like the June－time best and blest forevermore

## PEOPLE，BOOKS AND DOINGS．

 An act has been passed in Ber－muda forbidding the use of automo－ biles on the istand． On June 8th the Czar travelled King Edward．This journey，which usually takes twelve hours，is the longest the Czar has taken for nearly four years，and the most extreme pre－
cautions were taken for his safety along the route，the track being closely watched by a cordon of sol－ diers，and special guards
all stations and bridges． ar staions and bridges． At an address before the Canadian cently，Principal Peterson，of McGill， made a strong plea for the teaching of poetry in the public schools．He expressed his op the mechanical ele－
stress is laid on ment in education，to the detriment of the inteilectual．Poetry，he as－
serts，is the teacher s most effective （ into the minds of the pupils．
＊A into the minds of Indians，twenty－ five in number，have arrived in ot－
tawa from British Columbia，to pre－ sent in person their protest agains ing privileges on their reserves．They
have already seen the Minister of the Inter of Indian Affairs，but declare erat of they will not leave until they have laid their case before the repre－
sentative of the King，Earl Grey． At a meeting of the raya in May，a of Canada，held at Ottawa in May，a
paper was read by Mr．Moses Coats－
worth of Tondon．Fing．．proposing to
adopt a＂Rational Almana
To divide the year into thirteen ing of 364 days，the 365 thus dispos－ eeing incluas Christmas Day，without The extra quarter of a day months． would be accounted for by an extra
day once in four years，as in our

## THE ART OF CONVERSATION

 There is，perhaps，no accomplish－ ing a good conversationalist．Con－ versation is the staple，the bread－and－butter art．All must，to some extent，engage in it．Compared with other accomplishments，it is as pure air to a heavily－perfumed atmos－
phere．Music，for instance is an phere．Music，for instance，is an oc－
casional delight；in surfeit，it be－ comes unbearahle．Who，it may be asked，ever tired of really bright，en－ it is one of the most common things in the world for people to spend years of practice in attaining music as an accomplishment，without giving one thought in regard to what con－
stitutes agreeableness in conversa－

Looking about upon our acquaint ances，it is not hard to discover the
elements of，this much－to－bo－desired art．To acquire them may not be so easy．It is easily seen that ideas really lie at the back of all best con－
versation．Originality of thought， with ease of expression，form the basis；so that really the art begins
with cultivation of the mind．In this it is similar to that of painting， The artist first gets his idea or moo
in his mind，then，by delicate sweeping manipulations of the brush， he proceed to express it upon can－ vas．The conversationalist，having ceeds to express it，but the brushes and pigments which he must use are chiefly words，and，according as they volved，delicate or coarse，is his status as a conversationalist re－ vealed．
There
There is no doubt that a ready wit sationalist；but there is a quality which counts for more，the knowing when to talk and when to leave off
talking．Is there a bore under heav－ en equal to the man or woman who en equal incessantly，especially if the least tendency to shine or show off be in evidence？The best conversa talks the most，nor the one who dings continually on heavy subjects． Rather is he or she the one who self to the mood of the company， how to draw others out，and yet who is ever ready to speak the fitly－chosen word，or，when occasion offers，to di desirable subject－and all this in a manner as natural and unostenta－ tious as effective．
Finatly，there are the finishing touches，the fine strokes of the brush，
without which the effect must lose immeasurably－the pleasing voice， the use of good English，erectness posture，animation of councenance， subtleties
every
master．

It is．hen not any to be a good ot the pleasure that can be coneferred means of it，hacompminhmentert of thi art is suraly worthn white

MAN AND THE FARM It is a common complaint that the
farm and farm life are not appre ciated by our people．We long for
the more elegant pursuits，or the the more elegant pursuits，or the
ways and fashions of the town．But the farmer has the most sane and na－ tural occupation，and ought to find it sweeter，if less highly seasoned，
than any other．He alone，strictly speaking，has a home．How can a man take root and thrive without land？He writes his history upon
the field．How many ties，how many resources，he has ！－his friendship with his cattle，his team，his dog his trees；the satisfaction in his growing crops，in his improved and beast，and with the quickening elemental forces ；his co－operations with the cloud，the sun，the seasons heat，wind，rain，frost Nothing wil which the city and artificial life breed out of a man like farming，like di rect and loving contact with the
soil．It draws out the poison．It humbles him，teaches him patience and reverence，and restores the
proper tone to his system．Cling to the farm，make much of it，put your self into it，bestow your heart and your brain upon it，so that it shall after your day＇s work is done ：－ ［John Burroughs．

With the rapid construction of rail ways in our fountry，and the opening up of new territory，there falls upon the managers of our railways and ing names to points upon the line which will in the future be the sites of our towns and cities．If an ex－ work can be done，one has only to look at a map of the United States． Names the most meaningless are
found in every State．What connee tion，for instance，is there between Peru，in New York State，with the
land that the Pizarros conquered between Cairo．Illinois，with the Egyptian city？Could there be any thing more hopeless in nomenclature than Smithville，or Tompkinsville it will be to find names for new towns in Canada，the to following possible．take and if，whereve adopt the Indian name．The Indian names are usually full of meaning and they are，also，almost invariably
musical．What could be more musical．What could be more
euphonious than Winnipeg－a simple form of the Indian name，＂muddy water＂－or more majestic and de－
scriptive than Saskatchewan，mean－ scriptive than Saskatchewan，mean
ing＂the swiftly－flowing river ，＂or Assiniboine，meaning＂the stony or rocky mountains＂？The second rule is，if there is not any Indian some incident in the early history o the place．Successful instances o such names are Pincher Creek－so－
called because a pair of pinchers were
round on the site or the town as the massacre mel the ors by the Blackfeet Indians ；Moosd Jaw（where the Indianis saw Lorrd
Dunmore mend his Red River citt Dunmore mend his Red River cair with the jawbone of a moose） ＂standing－of＂＂of the Montatia sher－ iff by a party of whiskey traders ；ot Baie des Chaleurs，recalling the hei
of the day when Cartier first safled of the day when Cartier first sailed
its waters．Where there is neither Indian name nor any early incident which can supply one，take the lo－ cality and try to find some name
which describes it．Such names are Swift Current，High River， $\mathrm{S}_{\mathrm{we} \text { et }}$

SOME NOTES FROM MY OLD LOB IN SOUTH AFRICA
Experiences Amongst a Quaint and
Singular People．：
I have come across some leaves South Africa during an eventful year of my life，and before that long and vaal a sister colony．
The history of that war is，in part， he history of our own land，for， the foremost of its heroes must al－ ways stand the names of the gallant Canadian boys who laid down their lives for queen and country
What has transpired in South Africa since then has been as an open book，which all may read who care o do so；but，all the same，I venture
o think that my old－time memories of the quaint habits and customs of the Dutch of South Africa may．not be without some interest to our read－ somewhat，why our sister colonists cling so fondly to their old tradi－ tions，and apparently lack the vim and vitality which are such marked
characteristics of the Canadian set－ tler wherever he may pitch his tent． But my resurrected journal shall tell Its must find a niche somewhere amidst my jottings for my little
scrap－bag，of odds and ends about scrap－bag of odds and ends about Old－world ways，which I gathered here and there，sometimes from one，some times from another；sometimes from times ered queries of my own；some the hotel table and ceneral room and notably from John，our driver whose powers of observation are of ＂To understand this quaint people， and how it happens that they differ
so much from the colonists of any other part of the world，it is neces－ ary to take an imaginary kerchief， and with it to wipe away from the two centuries of time，and with them all the progress other countries and people have made therein：The Dutch
of South Africa to－day probably dif－ er very nearly as much，not quite， because of their national phlegm， from the Dutch of Holland as they do from ourselves．Had an offshoot
of our nation planted itself as a com－ munity，like these old Hollanders did years ago，in some far－a way land，fas
accessible，partly because they cho

## THE FARMER'S ADVOCATE.

it should be so, receding as others advanced, because they would not bo
meddled with, and content to do as meddled with, and content to do as
their forefathers had done before their forefathers had done before
them, should not we, I ask you, cut about as sorry a figure as they, when the outer world pounces upon us at last, and has its laugh at our ante-
diluvian ways? Their very mode of diving-that veritable living in tents -accounts for much of all this. When a wagon has formed your home for weeks, nay months, and even years in some cases, would not even a one
roomed house seem spacious quar roomed house seem spacious quar
ters? If you have not sat upon chair for all this time, why need you be ashamed to squat? Habit be-
comes second nature, as we all know. comes second nature, as we all know.
Another habit of these good folks may even have its excuse. In thei journeyings on and on, seemingly without aim, but really in search o rare commodity, and has to be husbanded with care. The barrel slung under the wagon is liable to emptiness. A Dutch family wagon is
usually packed full as any beehive with human bipeds of all sizes and ages, and in every stage of unwashedness. Where bucketsful would not Hence the faith put in the half-fille pudding-basin and the tiny rag, as a means of purification. The economy of it recommends itself to the Dutch
mind, whilst to the Dutch body it is all-sufficient. Again, may we not find another excuse for this flaw in these our brothers? The old Dutch Bible supplies the sole literature they
need. They take the simple words each and all, in their barest and most literal sense, without the aid of commentator or note. Frequen mention they find of the old custon of washing the hands and feet as
ceremonial, more than for any other purpose; so, they argue, possiblyat least I fancy it would be like them to do so-that if that
THEIR RELIGION

The Boers are a religious people with views narrow, but clearly de taught God's own truths, as in Hi revealed word. They end, and, er, and their meals are untouched until a blessing has been reverently Reformed Church, and their outch Reformed Church, and their love and
respect for their minister is a marked feature of their characters. They submit with much humility to the recognized authority of their "Kirk Raad or councli, composed a prefer ence given to those who have won position amongst them by thei wealth, superior edacats of business quarrels, and the breach of any so cial law is laid before the Raad, and its decision accepted as "/ The Doppers have seceded from
the Reformed Church. I had fancied they were simply a lower class of Boer, not knowing that the difference
was mainly a religious one. Thei worship is conducted even more dis which they have separated, singing being excluded as wicked. They adop a style of dress which of itseltest proach to mirth, even in private life .. ' Missus would like to see a acht-maal ?' said John, one day. It's when the Dutch come into town, once every three months, to go and get their babies christened, and the girls and boys confirmed, and they buy their visit one another. Oh ! there are lots of wagons the place is
in the square then, and full, full ! '" This Nacht-maal is a great institution, and has come of the necessity for occasional who, living so wide apart in their scattered homesteads, and upon farms so large that it is a
would otherwise never interchange an idea outside their own family, ex by a travelling merchant intervals by a travelling merchant, who, like
the Troubadour of old, is sure of hearty welcome and of being fed upon the fat of the land, so glad ar they to have him as a guest. Trans actions of every kind are carried on
during Nacht-maal, and, as far as a Boer can be jolly, he is jolly then, and so are his servants, and so are his young folks. Who knows but that it might have been at Nacht Gretchen ?"
But the story of the courtship and be told presently.

## The Quiet Hour.

GOD'S TEMPERING FIRE When He hath tried me, I shall come When stern occasion calls for war And the trumpets shrill and peal Forges and armories ring all day
With the fierce clash of steel. The blades are heated in the flame, And cooled in icy flood, And beaten hard, and beaten wel Their edge and temper good; Then, tough and sharp with discipline They win the fight for fighting men. When God's occasions call for men, His chosen souls He takes, With tears He cools and slakes; With many a heavy, grievous strok And beats them to an edge, Till the hard will is fused, and pain Then, strong, and quickened through an Then, strong
through, They ready are His work to do.

Like an on-rushing, furious hos
The tide of need and sin The tide of need and sin, They have no chance to win:
God trusts to no untested sword God trusts to no untested sword
When He goes forth to war: Only the souls that, beaten long On pain's great anvil, have grown His chosen weapons are. Ah, souls, ont pain's great anvil laid,
Remember this, nor be afraid! Again I write to you as one of thos who ha

Ceptain, who assigns each soldier his
post in the long-continued warfare the Church is waging against evil. Though our business is to submit, instantly and unquestioningly, to the lightest command o the Master we have sworn to serve call us not ". slaves," but " friends ", for a servant knoweth not what his Lord doeth. Though we should not hesitate to obey when we cannot understande,
still-in loyalty to our Friend-we should try to understand as well as obey, whenever possible. We should study His ways with others, and look into His heart and mind so that we may be able
to see as well as know that His choice to see as well as know that His choice
of our daily duty is both wise and kind. Let us look awhile at the great Let us of pain from God's point of
mystery ond ond see if we cannot take higher
view, and view, and see if we cannot take higher
ground than passive submission, and ground than passive submission, and
learn to thank Him honestly and per-
sistently for any cross He may have sistently for any
called us to endure. In Susan Coolidge's poem, "Temared," given above, men are described as weapons which God wishes to use in great battle, and she shows the imering " process. Surely those of us pering " process. Surely those of us
who are ambitious of the high honor of being used by God, will gladly place purselves unreservedly at His disposal, so hat we may become-at any cost-strong
and capable. We don't want to snap or and capable. We don't want to snap or earnestly desire that He may be able to depend on our zeal and loyalty, and may have no occasion to warn us, as He drd
st. Peter, that we shall fail utterly when the trial comes. And one thing is very certain, there is no royal road to
spiritual strength: we can never buy spiritual strength; we can never buy a
character
ready-made. beautiful grace of soul is God's gift, still we can only make it really ours by
hard struggle even as the Promised Land hard struggle even as the Promised Land was a "gitt" from God to the
Israelites, and yet they had to fight for every inch of it.
One of the beautiful stories of the old mythology describes a young man who had set his heart on destroying a terri-
ble three-headed monster that was doing awful mischief in the country. But he
was well aware that to attack this monwas well aware that to attack this mon-
ster, just as he was, would do no good. ster, just as he was, would do no good.
Its fiery breath would destroy him, and. even if he should succeed in cutting off one of its heads, he would instantly fall
a victim to the others. If only he a victim to the others. If only he
could gain possession of a marvellous winged horse, there would be a real hope of victory. And so he waited beside the fountain where the flying horse some-
times came to drink, waited patiently or times came to drink, waited-patiently or
impatiently - though often his eager. youthtul zeal urged him to stop this ap-
the winds and dash after the enemy.
But he controlled his impatience But he controlled his impatience, and
waited until the horse was his, and then he was an adversary fit to grapple with his grim adversary. The story is a perable. We, none of us, will gain any-
thing by dashing into the battle before God has equipped us for the fight. And, as for this question of pain-pain of body, or heart, or spirit-when God calls us to endure it, He is forewarning us
that the time will come when we shall stand in urgent need of the stored-up strength which only the endurance of
pain can give us. And " endurance, pain can give us. And "' endurance," if
it is to be really valuable, does not mean a stoical submission to the inevitable. If we "get through "" ou hours of suffering in that foolish fashion,
we shall be throwing away a rich jewel we shall be throwing away a rich jewel
which God has hidden in a rough casket. Only by taking the pain, moment. by moment, from eur dear Master's hand, and thanking Him for the gifts of patience, courage, tendern us
sympathy and trust which He offers us through it, can we make the most of the opportunity which pain offers. We want to grow strong, we want to pour us be glad of pain and not waste this May I not rejoice that God has given have a new message to tell that I may And we always touch the lives of othere so closely that no one can be called to endure pain solety for his own perfect ing. When God puts a soul into the
furnace, that it may come forth purified and tempered, He intends to enrich the world. When a soul endures the fire he can do more good than a thousand sermons. Beauty and attractiveness or spirit, joy of soul and gladness of face are great weapons, whereby any of us
may extend Christ's kingdom on earth We look and wonder, and are inspired to imitate. Think how our Leader's unselfish thoughtfulness for others in the
midst of His own agony won the midst of His own agony won the soul
of the dying thief, though no word of exhortation came from those parched lips. How that self-forgetful Example puts us to shame! Except the one ap-
peal for sympathy and help which proved Him to be no stoic, that cry thirst!" Which tells us that it is right we really need the kindly ministration of others; except that one cry which showed the Divine Sufferer to be near of was thinking of people showed that Ho God. How that Example, as I say, puts us
shame! Do not our words show hat we are thinking almost entirely


Waiting for the Cows.

What a chance we are missing of becom-
ing unselifh and brave more ing unselifsh and brave, more swiftly
 what I am doing myself. Day after
day has slipped away, and I have not day has slipped away, and I have not
been brave and patient and self-forgetbeen brave and patient and self-forget-
ful. It is so easy to preach, but quite a different thing to practice one's own sermons ! My dear friends, though I have indeed failed to grow strong and
patient through pain, please don't let my patient through pain, please don't let my
experience be entirely wasted. Take warning by my failure, and treasure the
precious hours of pain that God deals precious hours of pain that God deals
out to you, remembering that they are in very truth priceless jewels and proofs
of His tender love. Yours may not be pain of body, it may be a sharper pain
still, a heart-sorrow that is hidden from
all eyes but yours and all ey that kind of pain is the best
haps thers. of all, especially when it
"tempering", is a secret between you and the Great Refiner. It is not your business simply
to " live through ", down by hardening your heart until the pain ceases to hurt you, but rather to
accept the pain as real pain, and draw accept the pain as real pain, and draw
out from it something that will enrich
vour your life for all eternity. It can be
done, and it is worth a struggle to do it. Shall we not make that struggle .. To everyone on earth God gives a burden to be carried down
The road that lies between the cross and crown.
No lot is wholly free No lot is wholly free;
He giveth one to thee.
Open and visible to the eyes.
And all may see its form and weight and size.
Some hide it in their breast Some hide it in their breast,
And deem it there unguessed.
The burden is God's gift,
And it will make the bearer calm and
strong. strong.
Yet, lest it press too heavily and long.
He sayy , Cnst And it shall easy be.".

## ALLAH'S ANSWER

Alla,h: Allah!" cried the sick man,
Racked
with pain, the long night through;
Till with prayer his heart grew tender, Till his lips like honey grew

But at morning came the tempter,
Said, " Call louder, child of pain Said, "C Call louder, child of pain
See if Allah ever hears, or answers

Like a stab the cruel cavil
Through his brain and pulses went Through his brain and pulses
To his heart an icy coldness,
To his brain a darkness sent.

Then before him stands Elias,
Dost repent thy former fervor?
"Ah!" cried he. "I've called so often; "Ah!" cried he. "I've called so often
"Never heard the, Here am I I', He a
And I thought God will not listen, will not turn on me His eye ! Then the grave Elias answered, Speak to him-the sorely, tempted-
Lift him from his gulf of woe. .. Tell him that his very longing
Is itself an answering cry; hat his prayer, Come gracious Allah
Is my whispering, Here am I Fvery inward aspiration is God's angel 4


## GOD'S ANSWER

 The cry of man's anguish went up untoCod, ". Lord, take away pain! world Thou
The shadow that darkens the wor The shadow that
hast made. The close-coiling chain
That strangles the the burden That strangles the heart, the burden
that weighs On the wings that would soar.
Lord, take away pain from the world Thou hast made.

Then answered the Lord to the cry
His world And will I take away pain, endure,
Made strong by the strain?
Shall I take away pity that knits heart And sacrifice high ?
Will ye lose all your heroes that lift White brows to the sky? with a price. lay
And smiles at its los climb unto Mine.
The Christ on His

## The Young People's

 Department.[All letters for Young People's Department must be addressed to Cousin
Dorothy, 52 Victor Ave., Toronto.

SOME FORTY YEARS AGO. Old Tom Cobb held the stick of a flag
against the post of the store veranda against the post of the store veranda,
took a stout nail from his mouth, and took a stout nail from his mouth, and
a hammer from his pocket. and in a trice
the red, white and blue, with the green


Plotting Mischief.'
Canadian arms in the corner, was wav- and the others keeping the sea trade to ing beneath the maple trees. It was themselves. We might have gone on
early on the 1st of July, and the Eng- that way for years if it hadn't bin for early on the 1st of July, and the Eng- that way for years if it hadn't
lish farm band, who had come to the the cleverness of old Uncle Sam." lish iarm hand, who had come to the
Corners for firecrackers, sat on the step old Tom's eyes twinkled, and the Eng-
looking on.
 ing at it with pride; .. but not so bad, will come over to him, if only he opens onsiderin' it's bin hung out every Do- his arous wide enough. So, this time,
minion Day now for forty year. The he thought he'd try what a little fight wife keeps it wrapped in papers. and I would do, and he closed up the treaty
 sight of wear," said the Englishman, use ourselves, and it we couldn't sell to gruffly. "But what's this Dominion the Yankees, what could we do with no
Day all about, Tom? I tried the boss sea ports? Quebec felt it too, for the about it yesterday, and all he would frost closed up her ports five months
ana was 'You Fnglish know nothin' and of the year. But the Yankees were a never will.'"
". (iness from his trousers' pocket. "A A man
can't be a Canndian all at once.
It
takes a. heap of seasoning. But I'll tell takes a heap of seasoning. But I'll tell
you about Dominion Day. Its as old as that flag, and I got it in '67. Times
was hard then, and money was to be was hard then, and money was to be
looked at twice before you spent it; but I says to Sarah: 'I guess I'll buy a flag, for this is goin' to be a big thing
for the country.' And my words has come true. It's no use talkin' to you come true. It's no use talkin' to you
about jography, but you know how far You've
Huron."
." Yes." said the Englishman with a sigh. He remembered that journey. "Well, you"d have to go all that, and
more, to get to the other side of Canmore, to get to the other side of Can-
ada, and you'd find settled country all ada, and you'd find settled country all
the way; and that's what we did in the way; and that's what we did in
67, and a fine job it was. Canada was
only Ontario and Quebec before that, and the two parts of it was always
fighting. You see, the French in Lower Yhting. You see, the French in Lower
anada
thought they should rule the roost, and the English sottlers up here
thought not. And Nova Scotia and New Brunswick and Prince Edward hung on to the sea ports, and let the Canadas fight. They had a little fight now and then when the Yankees looked like war,
and then there would be talk of 'federation. there would be talk ofl the trouble of politics, Upper Canada was prosperous till '6B, for we had a treaty with the Yankees, and could sell them our stuff.
So, we weren't bothering about Quebec
ip the farmers out, and that was Confederation. There had to be a bit of
quarrelling in the Provinces befor quarrelling in the Provinces before it
was settled, but with pulling and shovwas settled, but with pulling and shov-
ing they got them all in by '67-all but Newfoundland. The poor fishermen there didn't know what's what. I guess. When British Columbia wanted to join us, we
had to build a railway across to her, had to build a railway across to her,
so's her men could get over to the new Parliament at Ottawa, and that was the beginning of the "Northwest Territories."
"Can't see what good all that did the farmers in those days," said the Englishman, getting up ,slowly. "T That didn't sell their grain.
"Ah, but the Intercolonial Railway did, and that came out of 'Federation,' exclaimed old Tom. "That was the
first thing those big men had to do, and first thing those big men had to do, and that's how we got our grain from Que-
bec to Halifax. 'Twasn't long before there was a bigger trade from the
ocean ports to England and other coinnocean ports to England and other coun-
tries than we used to have with the tries than we used to have with the
Yankees, and then Uncle Sam reckoned he'd better make another treaty with the Dominion of Canada, as he couldn't annex any of it. Ha ! ha ! we'll annex
him some day, and a good thing for him !"
"I don't quite understand about this Confederation yet,"" sald the Englishman, rubbing his head. "Now, were there
several colonies, nors, and-"
"Jim !" screamed a little girl, 』ying down the road, barefooted, her pig-
tails sticking straight out behind "What's the matter, Jim? Where are
the crackers? We've been lookin' for the crackers? We've ben lookin' for
you for an awful long time." you for an awful long time."
The Englishman's ready striding up the road, and he did
not even turn to say "/ Good-by, not even turn to say "Good-bye."

AN ENGLISH LETTER Dear Cousin Dorothy,-Although we Farmer's Advocate," which is sent to us every week from Canada. I thought you would not mind an engish cousin
writing to you. Ilike most of my other cousins, live on a farm, about four miles from the City of Nottingham, I am fourteen years old, and have passed the seventh standard in school. I have now left that school, and have been moved to another one to learn shoul a letter, if I may be permitted to write again. I have four brothers and two sisters. My elder brother has been to
Canada
last summer with Canad last sumeer with seventeen was clever, for he was only fiftoen then? My brothers and sisters have
many pets, but I have no time to look many pets, but I have no time to look
after mine, so 1 gave them to my sisters. They have rabbitt, pigeons, some
dear
little kits and two dogs. I am dear little kits and two dogs. I am
very pleased to suy, above all, they feed
We have two pigeon eggs. I learn music, which I am very fond of. I am a very good cook for my age. The only fault
I have is that I make my pastry too have is that 1 make my pastry too
wet. Will you tell some of my cousing wet. Write to me, or give me their ad-
to wress that may do so?
dremer dress that 1 may do so ? ELSIE MOORE. Beeston Fields, Notts.

## LIGHT IN A DARK PLACE.

 Wandering the other day with two adreets of a black poverty patch in the south of London, one of the sisters of he people told me a grimly patheticthe story of a factory girl, whose funeral
had been quite a local event. Jenny had been quite a local event. Jenny known that her long illness was drawing to a close, and that the end was
only a matcer of days, the factory only a matter of days, the factory
girls elubbed together and raised the
money lur money for a very fine and elaborate
wrenth for Jenny's funeral. They went wreath for Jenny's funeral. They went and agreed as to the price to be paid. In the evening, talking together, one of Che girls said, " Poor Jenny, she'1l
never know what a lovely wreath put on her coffin; she won't be able te see it.". The idea struck Jenny's " mates" as very, very sad. Jonny
would be dead, and wouldn't know what a lovely dribute they had paid to her a lovely tribute they had paid to her
memory. Suddenly, one of the girls had
 she can't last more than a day or two.
Let's. have it mader and show it to
her.". The next, day the wreath was
made, and a deputation of factory girls took it
dying. dying. the room in which Jenny lay
"Jenny," said the spokeswo on your we re going perhaps you'd like dear, and we thought of the dying girl lighted up," and a little cheeks of pride came into her wan, white cheeks.
murmur murmured, "I am so glad you've let me
see it.". The wreath see it. her cotith was that was to lie
upang against the
wall at the foot of Jenny's bed, and the sight of it alled the last hours
the lay of the lazy man Breathes there a man whith soul so dead Who never to himself hath said
". To-morrow morning I will riso Before the sun lights up the skies 1'll set this clock so it will ring Its strident bell will me awake And when at an ungodly hour, Next morn, the clock with all its power And woke the man upon the bedBreathes there a man, 1 now repeat,
Who wouldn't chuck it in the street, And back into the bed then leap, -From the March Bohemian.

## CANADIAN BORN

e first saw the light
land beloved of God,
We are the pulse of Canada, its maro
we its blood. $C$,
the world and brag bada, can race the kritish flag.
are of courtly birth,
few ere vagebonds or t.igues few are vagabonds or ""gues
doubtiul name and worth, And all have one credential that entitle
us to brag That we were born
the British flag.
Ve've yet to make our ye
to make our fame,
But we have gold and glory in our clean But we have gold
colonial name
And every man's a millionaire it he can
only brag
only brag
That he was born in Cunada beneath the
British flag.
No title and ro coronet is half as proud
s that which we inherited as men Ca
nadian boru;
count no man so noble as the one
who makes the brag
hat he was bur
British flag
The Dutch may have his Holland, the The Yankee to the south
Fouth of us remain
That the men who brag
the British flag

TWO JUNE NIGHTS red rose in my lady's hair.
A white rose in her fingers.
wildbird singing low, somewhere. A song that pulses. lingers,
The sound of dancing and of mirth The fiddles merry chiming,
smell of earth, of fresh
And honeysuckle clumbing.
My lady near-yet far away-
Ah. lonely. June of vesterday
A big white night of velvet sky
And Milky Way a-gleaming.
The fragrant blue smoke drifting ,
From canp--ire brighty
God's solitudes of
My road a trail,
$\underset{\mathbf{W}}{\mathbf{M} \text { Ind } \text { road a }}$
My lady:s: near, though far away

SOME MAKESHIFTS SHelves
Otten, when the housecleaning is ov
there is a vague, dissatisfied feeling longing to introduce some little change
in the rooms which now look so swee and clean, but in which the same old
furnishings, Curnishings, now grown shabby, have
held place almost since time immemorial Moving the things round from place $t$
place has been done so often that all th arrangements have become old, and ther is, perhaps, little money with which to which haviv
homelike.
home
In such a case, why not try the addi
tion of shelves, case, if there are books enomemade to book
or even a couple of shelves over a Indeed, a single shelf has often been a room. in a dining-room, tharacter or instance
inere is a bare, forbidding wall. Put bare, forbidding stretch of
whe thelves, one above he other, wheel your smallest table be-
neath. and on the shelves put a few old blue willow plates, a candlestick or th
if you have an old brass pair which cau have an old brass pair which yo
can burnish up, all the better-and vase or rosebow of water in which some Wandering Jow is growing.
In another room you might have a ingle shelf with a picture resting upo
t. Upon either side, books, or candles or flowers may be placed. If the shelf
is nicely stained it is nicely stained, it will need no drape;
but if a drape is needed, it should be but if a drape is needed, it should be
a simple one, neither gaudy in color nor simple one, neither gaudy in color nor
looped tucked up in a frantic endeavor to make it look graceful. The The
plain frill, or " valance " of our grandmain frill, or "valance" of our grand
mothers, is infinitely preferable. Another place where a shelf-a very
parrow one in this case-is ilikely to look
well. is over a well, is over a low window. Place
whatever ornaments you choose placque, a iar, etc.-then upon itcurtains immediately beneath, letting
them come just to the sill. And do you know the possibilities of mmediately fabove your kitchen workbe simply pianted or covered with oil
cloth, so they may be wiped of eaily possibilities of cheesecloth Having your shelves up, try what
very little money will do if invested ery little money will do if invested in
chesescloth or denim. Suppose you have
room in which the leading tone a room in which the leading tone is curtains are worn into holes. Instead of
puying new lace curtains, cheap ones are suying new lace curtains, cheap ones are
weariness to the flesh forever, buy some cheesecloth and dye it coffee-color.
Now, all around the edge, stencil a Now, all around the edge, stencil a
border in brown-a simple, geometrical design of triangles, with a band of the
darker shade about each, will do, or any such easy design-and hang the cirtains
straight from the poles. For inside curtains, next to the thlass, For inside cur-
down smaller ones from your old baake
dace or white. in a house-furnishing wagaA writer in a house-furnishing waga-
zine recently told of getting a tine effect
in curtains in the following way: The room was a northern one, the leading
tone a dull red. She wanted red cur. Ia a panesy "as possille so, atter dying
the cheesecloth the right shade. she "rung them. When taken from the rins-
ing water. the ' long " Way, shook them
out wery lichtlv, and pinned them ly the edge, to the line. When dry, they were
put up without pressing, and were found put up without pressing, and were found
to have the necessary crinkled appearwould be very pood for yellow curtains.
na yellow is an essentially as yellow is an essentially "Japanesy"
color: but, then, it seems to me, the color: but, then, it seems to me, the
whole room would need to the in character. Japanese prints for the wall.
Japanese patterns on cushions and screen, a Japanese lamp hade. fims nut up as
decoration, etc.
 dyed, pressed and stencilled, is very
satisfactory, also denim in dull, har-
monious tints. Denim in

Do not be worried if you canno
crowd your rooms with furniture, the are really better with too 'ittle than with too much in them; but see to it
that what you have, no matter how in that what you have, no matter how in
expensive, is in good taste, that paltriexpensive, is in good taste, that patri-
ness and gaudiness of color are nowriere
visible, and that one main color, prefer ably a quiet one, dominates. Then you
need not be ashamed, no matter who en need not be ashamed, no matter whe en
ters your little home.
 From ${ }_{\text {Kan }}^{\text {an }}$ address by Miss C. J. Lecturer Kay, Lecturer on Househ
Science, Minneapolis.) We hear much these days of the moral ind physical degeneracy among the poor voted attention to the condition assert that this low moral plane is causel by nhl-nourished bodies. It is an axiom of physiology that many evils are the direct
result of improper food improperly cock ed. When a girl knows these trijngs, will she consider the getting of a good dinner of no value? Not an elabrirate the simplest foods-a properly-cooked egg, a potato baked to periection, a steak
done to a turn. Men of science spend and their values, but in the average fonds no advantage is taken of this knowledge presented freely to them. Surely, the


Not only the cooking, but the serving
foods should be taught to the daughter of the house. Sticks. sugar
bowla, unclean linen, greasy p'ates rud an unttdy table are things to avoid, and
their opposites sought after. And above all, let the sought after. And,
airl be trained to dis. pense a friendly, gracious hospitality
from which the desire to " show off " entirely eliminated.
The girl should be trained also to
consideration of her own well-being, consideration of her own well-being, as
well as that of others. She must realize the necessity of keeping her own boady in good repair. Personal hygiene is the preservation and improvement of the
health, and that calls for some idea of physiology, so that exercise and cleanliness can be properly practical. It is a
disgrace to be igmorant disgrace to be ignorant of literature and
history; when will it be a disgrace history; when will it be a disgrace to
ill ? Providence is not responsible ninety per cent. of our diseases. but our
own ignorance.
HELP FOR INVALIDS AVI. CIIII. DREN.
$\left.\begin{array}{l}\text { Enough about nursing shoutd be learned } \\ \text { enable }\end{array}\right)$ enable al woman to carry out
d
octor's orders.
Especially is this tr on the farm, where the physician's visits
must be few, and a nurse is often unattainable. She should know, too, ho
to treat emergency cases, ard wh
dishes to prepare for invalids. The ca and feeding of children should the also a part of her education. Every child has
the right to a good start in life-mentalmeare morally, physically -and the early
ly, eare the important ones. Eighty per cent. of the cases of infant mortality
could be avoided if mothers knew how to are for their children.

THE GAIN OF HOUSLHOL The advantages and resiults of the
of Household Science are muni study of Household Science are muni-
fold. It teaches observation and acCuracy; it trains the mind to think and
the hand to do, and planned and directed Work saves time and energy. It has a
cultural value as great as any o-her study. It raises a high standard of liv-
ing and of the home. It gives a woman
an opportunity to share in the adverice-
her home so as to produce the brat citizens, and this is a freling she cannot drudgery. There is a power in correc living, and nothing that pertains
home ife is unimportant or trival

## A WIFE'S INFLUENCE

## In our effort to have the mother of

 ver her appreciate her influence we wer chidren, we are apt to forget many households the influence upon the any households the infuence upon the great multitude of the best and most mportant and most-talented faunilies the earth, there have been no descendhild ington, or Charles summer, Shab spare or Fdmund Burke, or peare, or Edmund Burke, or Pitt,Lord Nelson, or Cowper, or Pope Addison, or Johnson, or Lord Chatham, or Grattan, or Isaac Newton, or Gold-
smith, or Swift, or Locke, or Gibbon, or Walpole, or oann or Dryden, Walter Scott, or Oliver Cromwell,
Garrick, or Hogarth, or Joshua Re Garrick, or Hogarth, or Joshua Rey-
nolds, or Spencer, or Lord Bacon Macaulay. Multitudes of the finestfamilies of the earth extinct. A though they had done enough for the
world by their genius, or wit patriotism, or invention. or consecratiof God withdrew them. In multitudes Cases, all woman's opportunity for use
fulness is with her impess is with her contemporaries. Ho important that it be an improved oppor
tunity .

## MODERN FIRE WASTE

$$
\begin{aligned}
& \text { What are the causes of the great fire } \\
& \text { waste on this continent? }
\end{aligned}
$$

Negligent and unscientific house-building

$$
\begin{aligned}
& \text { is one From the paper-covered shack } \\
& \text { to the brick nobbed }
\end{aligned}
$$ building. we have left out of sight all notion that such structures will burn just as surely as the wood and paper

materials they are Reckless disregand cause fires in houses is another. We let
rubbish gather in Hloor sweepings in our dwellinge cellars. dust in suloons, oiled rags in our fac tories, any and all of these will lac-
into dangerc.us flame at the touch of a match, and $y$..n all know, some of dians sorrow, how free-and-asy Cana
dians are with tne common lucifer match Village and town authorities, too, ar towns and cities. rubbish to collect chips, hot ashes in streets and lanes ar from fire as vegetables and festering pools of water in the streets of a village
are to the health of the villagers climate we fire up at an North Americar many fires: faulty and furnaces cause
neverepipes and chim nevs burn many a dwelling, as and chim-
have those who And here is a curious circumstance that ean does not think across, the average
goris house is is to burn down. His neigh
bor's factory neightor's dwaltor store may burn, his he's a careless cus allair, anyhow, and Providencr have a notion that a special fire so he doesn't ousther over matters ${ }^{2}$ Nowhere else in the civilized world is
the fire loss so great as in the United fiates and Canada. Comparison of the countrins should mak ries with European on thi western sidn of the Atlantic, \$1.5h.
luch,


The Ingle Nook.
Do you ever think about the people
you know, all the different types and classes so far as you can classify them The process, possibly, is not highly edifying, but it is at least interesting ing study of mankind is man.
was reading this morning poom, which I will quote for you pres ently, and from that, got thinking about
contentment in the abstract, about con. tented people and the various avenues by
which they try to reach the muchto-be whesired goal. Among all the heterogheneous
mass, two classes resolved themselves
very distinctly: (1) those who find their very dietinctly: (1) those who find their
contentment in strenuous work of one kind or another; (2) those who are con
tented in a phlegmatic, bovine sort of tented in a phlegmatic, bovine sort of
Way, people who ara satisfied with them-
selves and with just jogging along selves and with just jogging along
through life without much perceptible
effort-and with ment. thinkers of the world, the men and
women who achieve great things-nay, women who achieve great things-nay,
even those who achieve in the smaller cides that her housekeeping, her homemaking will be carried out a little betCer this year than last; the farmer, or
workman, or professional man who re workman, or professional man who re-
solves that his work will be done in a more skilful or more conscientious way than ever before.... To the second
belong chiefly people of easy circumbelong chiefly people of easy circum-
stances who are not goaded into exertion by compulsion of circumstarces, and Wo have not ambition enough to better themselves on their own account.
The man of the first type often finds his contentment in the very thick of a
supreme effort, which is, at times, so strenuous as to leave him exhaustod uterly in body and mind; yet inaction
would distress him a hundred times more. He hnows well what Tolstoi means when he says: " A thinker or an artist will
never sit on the heights of olympus as aever sit on the heights of Olympus as
we are apt to imagine; he must suffer in company with men in order to find satisaction or consolation. He will suffer, because he is constantly in anxiety and
agitation he might have found out and told what would give happiness to men. might have saved them from suffering,
and he has neither found it out nor said it,-and to-morrow, it may be too late he may die. And, therefore, suffering of the thinker and the artist." the he man of the bovine temperament, the contrary, knows no such stress. It
he does little for the workd, even for his own little world, the world troubles him Kitle. Yet, if reverses come, he is, un-
less in possession of latent forces, which Wess in possession of latent forces, in a
develop with exceptional rapidity, in a bad plight, for he has not cultivated
those qualities on which he may rely in uch crises capability, courage, adaptaBetween these two classes there are a
myriad of others tending to the one side Myriad of others tending to the one side
or to the other. Each of us knows. or may know, where he stands, or where he Would stand. Ostensibly, it is not wise
to fasten one's self too decisedly to the bovine group. Such contentment, "oasy
coineness,"," is the destroyer of progress. oineness," " is the destroyer of progre
the dead hand laid upon a possible use. fulness. We were not put here, surel.
to live as happy cattle, but to take part, of the best of our ability, in the issue
of life, whether our best be doing great things for the public, or just helping in
the immediate circle of our relatives and should be a care lest, in leaning too far the other way, one mav develop a that are not conducive to the best char
acter development. The great genius. it is true, must go on; he is driven.
fften at high tension hy reason of the message which he teels he must deli er
The danger is for lesser peniuses, whose ambition may carry them beyond their strength to a goal that mas. prove bit
an ignis fatuus. Perhaps, after all, the best way for the
great majority of us, people, as we are great majority of some capability, but of
likely to be of of
no extraordinary genius, is just to go on doing little by little. our best. We muy


Summer Drinks
One saw the good in every
And hoped the best

## The other marvelled at his A

?e, havins haven and.
One, having heaven aba
low was satisfied
The other. discontented, hit

## Don't Bolton

story had been told about this wiser
man. one more bit of description must have bern added, the theme of which
would have been.. He did his lient ".
It seems to me that in the list analysis
It seems to me that in the list analysi,
this is one condition of having "heaven
this is one comiton or have It is glorious
above and heaven below."
to see the heautiful things about us. and

| to |
| :--- |
| to |

be off-putting, but when I reed leet wouk suiet Hour I made up my mind I more interest among the "Nookers" In regard to the Fresh-Air Mission, and, a
it pertains to farmers and their wives, it pertains to farmers and their wives,
think the Nook is the very place to hav it talked up. Last Jear there were over seventy homes offered through read
ing ". The Farmer's Advocate," and, no ing "' The Farmer's Advocate," and, no
doubt, many more who did not mention doubt, many more who did not mention
where they saw or heard of the Mission Where they saw or heard of the Mission
If farmers could only know what in means to tired-out, hali-starved mothere, their children, and worn-out shop girls
the homes offered would be doubled yes, ten times over. I believe it is be cause farmers do not know, or do not realize the good they might do, that so
few homes are offered. How many readers ever vieited a poverty-atricken
home in the city? I can safely saty not home in the city? I can safely say not one out of firty. When we go to the
city, we go to see the sights. We visit the schools, hospitals. Parliament build ings, the zoo gardens, go to the islands,
and, perhaps, to the Falls; but the poor narrow, ill-smelling streets we never,
ninnk of, and we come home well
ner phink $\frac{\text { of, }}{}$ and we come home well
pith our trip, and thinking the city would not be yuch a bad place to
live in. But let the same obse go to
some of the Mission workers, live of the Mission workers, and go
sithe them to some of the so-called homes. and see how some human beinge. Ilve; people who lived in the city for years, who, by chance, went to visit, with a friend, some of these homes, and they
were unutterably shocked; they had no were unutterably shocked; they had no
idea there was so much misery so near their door. They couldn't get it out of their minds for a week, and never want
to see such misery again. But can we, as see such misery again. But can we,
as Christian people, turn our bachs on the poor and needy, many of whom are hard - working, good-living, Christian Some, no doubt, will say, "Work is plertiful, why don't they go and work
on a farm? Now, I ask you, woutd you take them to work and you, wout whe them wages enough to keep them? What ug farm, or how many farmers could vide a house and, keep a man with a
wife and a number of children? Then oo, a great number are widows with or somet yorse, has deprived the mother and children of their bread the instincts of a true mother, almosi works her life out over the wash tub children. I have known women an o bed supperless after washing all day or the very reason that if they didn get it where they were working, they and getting their children something to eat. of course, there are a great many good, benevolent peeple in the city, too
who would gladly aid such worthy poor they knew; but how very sensitive ome of chis class are! I sometime think these mothers seem to have lost al winter, worla on being asked by one of the 'worker if she needed anything, sald: "No, thank when at the same time there wasn't, bite in the house, and she ironed most of he night to get some clothes done, so as to be able to get the chiddren their Wards, she said, "I have come pretty wasn't brought up mysell on chartty, and cannot let my children be. All I a ak living. It is this class particularly that is benefited by the Fresp-Air Mis ceptions in this as in everything else, but doesn't it seem a pity for the worthy poor to have to suffer for a very few un worthy ones? Then, too, a great many little street waifs, and that property, or even life, would scarcely be sale while they were around. Now, the truth of
the matter is, only the very best be the matter is, only the very best be
haved children are sent out, unless special request is made for the other ex treme. Last summer. Y think it was, to be found sent out (upon - request (ourse), and, with one exception, the were all invited back to the same place for this year. I have heard people sha,

## THE FARMER'S ADVOCATE

would be eent, they would willingly take some. Well, just write to Mises Roberts.
21 Scearth Road, Toronto, and tell her her what you will take, and the will be only
too glad to send oun the too glad to send, you the very one you you
think you would ilke, whether it bo worm-out mothers and young babies, Whop girls or children, boys or orirls;
whether the miserable poor, who are dywhether the miserable poor, who are
ing tor enough to eat and fresh air,
the ling tor enough to eat and respectable people's
the hard-working,
chilidren, who are dosing their best to children, who are doing their best to
keep up e respectable appearance. There are many women and young girls who, so far as money and clothes go, are not
in need of charity; but are worn out i mind and body for change and rest; or are not in a position to go to the reguler resorts, and so must stay in the city all summer. Last summer, I sent Tor a woman. My request was answored
speodily
by Mise Hoberts, saying she speodily by Mise Roberts, saying she
Would try and send me one who would
suit. $\stackrel{\text { suit. }}{1}$. had wo experience with erown fer and I can tell you I was delightifully surprised when she sent me as fine a woman as 1 ever knew, and when she
went away I felt as though a true friend was gone. She was well educated, a thorough Christian lady, and the best of company, and was far rom mak-
ing any extra work. am gure 1 was as much benefted by her visit as she Was, although it was over ten years
since she had a holiday, and she had never ben on a farm since she was a a
young girl. Such women make farm life young girl. Such women make farm life
more
agreab be,
for we
 richer; and the knowledge of doing a little goo
the least part of it. Who was it said (some very wise and good man, 1 know
No life is useless which lightens burden of another, be it ever so inttle, 1 think here would be a good theme for Women's Institutes. 1 am sure send reports and all information to any president or secretary who would send
for them. It would be very interesting and proftable, and be something out of
the old rut.
What say you, Helponabit? (I un almost sure you must be
a president, or perhaps a vice-president.) a This is such a lenglthy letter, but there is so much more 1 would like to say.
I have been reading a report, of the
I. "Nursing at Home Society," which Fresh-Air Mission, and I must just give you a few extracts from it: ." To some, our work may not seam great,
count
it
great to occupy Occupy means to do business,' and ${ }^{1}$ connt if we foed the hungry, nurse the
sick sick, and do any humble work in the
Master's name, we will be truly blest Poor woman, what is that thou hast in
thine hand? . Only two mites, Lord. is very little, but it is all, have, and 1 did, and the story of her generuus giving
hat has ever since wrought like a charm.
. What is that thou hast in thy hand. Take it and use it for Me, And go
 cieties, even now continue their benign
mission to the poor throughout the earth." Farmer of Ontario, what have you
 Moses, rather somage church affairs and missionary societies much better than
.. But, I say, what have you?" But, I say, what ${ }^{\text {I }}$ I am getting alongy
have a Iarm, Lord
I have lots to eat, an very well. 1 have hats to eat, an
plenty of fresh air, and, come to hink of never thought of before." "Feed my never
lambs.
lat
We cannot all be city Mission Workers nor foreign missionartes, but we can
home missionaries, and use the talents home mist has given us, and in that day. whe He cometh to make up his jewels.
we will not be iorgoten. we will not be forgoten. DORA DEAN.

Dear Dame Durden, -We take "The
Farmer's Advocate," and are well pleased Farmer's Advocate, and ant
with it, as it is vers helpul in different wings. I would like a recipe for a good
things
layer cake. Perhaps you, or one of the
ayer cake. Perhaps

Chatterers, can give one through the
columne of your paper, and aliso one for a choolate layer cake, and should you
cook the chocolate and the chocolate, and, it so, how long
and the oven be very hot. a reader. Recipe for White Layer Cake-Half cup
of buttor, one and onehalf cups of granulated sugar, half cup milk, two cups pastry four (measured belore sisting) whites of six eggs, and one teaspoontui
baliding powder. Cream together sugar baling powder. Cream together sugar
and butter; add the mill, and beat to gether Then add flour sitted five times Beat well, and add one-half traspoonful
each of lemon and vanilla, and six dropes each of lemon and vanilla, and six drop
bitter almond.
Then add stifly steater whites of eggs and the baking powder Bake in two layers. The oven should
not bo too hot when put in, to dive cake uot be too hot When put in, to give cail
time to rise. Hold hand in oven.
Hind if cool enough to count forty, it is righ Fill and ice with plain boiled icing
made by boiling one and made by boiling one and a half cups of
granulated sugar and eight tablespoon granulated sugar and hot water until it threads. Pour
fulsoly hover the heaten whites of toup slowly over the beaten whites of two eggs, beating continually until smooth
and shiny.
Both cake and icing should and shiny. Both
be cool when ueed.
Chocolate Layer Cake-One cup
sugar, one
Leaping
tablespoonful ter
tilk, two etwis one-third of a cup
ent milk, two-thirds of a cup of chocolate
and one fourth of a cup of boiling water
turned turned on the chocolate, one and one powder, one teaspoonful of vanilla. Bak in three layers.
Filling.-Two-thirds of a cup of milh
 until it creams.

Dear Dame Durden,-As I have been an interested reader of your correspondence
column, I thought I would come and see you if you have room for me. Can yo
Loil me how to kill out a fern bed? have a small swampy piece of land loem which we want to clean and drain but can not get rid of the ferns.
tried lied to plow it, but it is so tough the
plow can't cut it. Can you tell me how to get rid of large black ants, as mi
dininge-room pantry gets dining-room pantry gets full of them
the summer months? $I$ have tried wash ing it with alum water,
sugar, allo a mown trom the druggist's but as soon as I put any eatables in it the ants appear. The pantry is over the cellar, which has a cement floor, and
is dry, but they do not appear in the kitchen pantry, which is over the same cellar. Hoping I have not stayed to
long.
PUSSY WILLOw. Halton Co., Ont. The following treatment has been given
banish red ants, and would probably be ns effective in the casee of black ants. In you can find the nest, saturate it with
coal oil if in mot, moisten a sponge with wher, and sprinkle fine sugar well int
the cells, then leave on the pantry shel As son as the sponge is full of ants
drop it into hot water, and repeat th
drocose int The answer to vour first question clearing out fern rots, became sepa
rated letter, and has appeared all by itself in
the Questions and nasuren on "rage 995
ons and
PRAYER FOR WOMEN.
ceep us from pettiness; let us be large
$\qquad$ Mav we put awny all pretence and meet each other fice to face- without melf.pity and without prejudice
May we be never hasty
in judenent and always generous.
Let us take time for all thingss; make us to grow calm, serene, gnomle.
Teach us to put into artion our better Teach us to put into action our bettee
impurses, straightorward tand unatraid
Crant that we mav renlite it it the netle things that create differencess thi
in the big things of life we are at
 now the great common woman sheal
of ws all, and let us not formel to be


6998 Tucked Blones


## With the Flowers.

A writer on gardening has said, '"Have a space outdoors that stands for privacy, The lack of seclusion is just the reaso e do not live in our gardens. Some ay we shall wonder how we ever when we could not
our windows.
(iod Almighty first planted a garden: and, indeed, it is the purest of human
pleasures. It is the greateat refreshment to the spirit of man; without which buildings and palaces are but gross and-works; and a man shall ever see when ages grow to civility and elethan to garden finely; stately sooner

ROMANCE OF A SWEET PEA. The parent of nearly all the most benutiful varieties of the American sweet
peat is the Blanche Ferry, which ha pea is the Blanche Ferry, which has a
pretty romance connected with its dispretty romance connected with its dis-
covery. Some fifty years ago, the comely daughter of a well-to-do farmer
ran allay from home to marry a ran away from home to marry a young
quarryman, and her home thereaiter was atways in a coltage, often but a mere hut, on the very thin soil overlying the
limestone ledges where her husband worked. When her baby died, she went back to her father's farm to bury it,
and took with her on returning to her cottage some seed of a white sweet pea and seed of the old Painted Lady pink,
Thereaiter, however great her poverty, age home some of these sweet peas, as reminder of her happy girlhood and her
dead baly. They were always grown on thin, poor soil, oiten so thin that they could only be kept alive by constant at-
tention and watering. As a result of such environment for many plant genera-
tions the flowers acquired a dwart-grow th and a great abundance of bright colors. Come twenty-five years after the baby
died, a seedsman, passing the little home

## The above patterns will be sent to any

 cents per pattern. Be careful to give or whatever it may be. When Waist Measure, 22, 24, 26, or whatever it may
When Misses' or Child's pattern write only the figure representing the age. Allow from one to two weeks in
which to fill order, and where two bers appear, as for waist and skirt, een
close ten cents for each number. If only one number appears, ten cents will be
sufficient Address: "Fashion Department," "The $\overline{\text { JUNE. }}$ But June is full of invitations sweet,
Forth from the chimney's yawn, and To leisurely delights and sauntering thoughts $\begin{aligned} & \text { that } \text { brook no ceiling narrower than the }\end{aligned}$ blue. The bee,
All dusty as a miller, takes his toll Of powdery gold and grumbles. "What
day To sun me and do nothing :" Nay, I
think
Merely to bask and ripen is sometimes The student's wiser business; the tirata
Will not distil the juices it has sucked To the sweet substance of pelluct
thought,
for him who hath the ane learned
To mix his blood with sunshine and The wind into his pulses. In, June tis good to lie beneath a t
While the blithe season comforts ev sense,
steeps all the brain in rest and heal the heart,
Brimming it o'er with sweetness

POWER LOT
A Story of "Down Last." BY SARAH MCLEAN GREENE
 Chapter ix
An Egg for a Stamp.
Alas for the tawny-haired hero of
the ring! With the morning light he thrill of the cambat and the glory or the amphitheater had dwinCsordid summons to rise and toil, to anveyed through the cackling of goese
and the bleating of calves ; down, in fact, to ax and saw, and spade and
hoe, and other things that are but hoe, and other things that are but
duli accompaniments to the picture dull accompaniments to the picture
of an aspiring champion.
Mary was anaid Mary was atraid to embiter Bate,
and do Rob actual harm in conse
quence by engatying in any lively quence, by engaging in any lively
tone of pleasantry or showing even a guest; so the same studied courtesy as usual prevailed thet wen her and
Rob at the breakfast table.
مos. call last evening ?," Rob inquired
cursorily with great lightess cursorily, with great lightness and
cheerunineess of manner.
i. Yes," Mory "Yes," Mary laughed, " she came perrorm, When $M$ came out from
mother's rom, everything had been done for me ; and it is not the first
time," she added,
nat irginia has done me so kind a turn."
"She's a brick,", said Rob, heart. ily.
Bate sniffed. The world seemed
ever to be drawing Marah withim him, and he, most uncannily, seemed always to know what
was going on in all the small antairs was going on in all the small aflairs
of lifite.
., Byjo never done your dishes last "Whight," he declared.

"The prize-fighter, thar'; and I
wouldn't thank him for his imperMary blushed. Rob reveled in her He did not follow hre purpose to
shield and save him, but saw only shield and save him, but saw only
the cool and quiet smile which hov-
red about her lips. . . . .nnd," she said
A. An, now I unde
athough it must seem ungrateful--"though it must seem ungratefulthe inside of the dishpan.""
Bate cast so sharp and triumphant a glance of warning at him that Kob
almost felt, in washing the dishes hough he could still vividly 1 reall
he impulses of hopeless love and holy kindness which had abounded in him at the time, that he had given
serious ground for offense. There are rites of conduct for human observa-
tion in Power Lot, as elsewhere, and
nit too much of the privilege of the do-
mestic and familiar. Anyway, Bate rad exposed him, and brought conleave the table, as usual, but sat re-
garding Mary and Rob in an insultngly watchful manner
Rob excused himself
y as he stepped himself, and side sighed deep- door. His clothes on the line : Alas, for the strain and rigor of immortal combat
-it had fallen to this: Rob must
 this savory morsel of his discom-
fiture, he felt sure.
Rat fill drawing of molasses-and-kinger to-
bacco left, by the way-sauntered up with his hands in his pockets, and
attacked the line.
But how white they were! Water and the stern
drubbing of the board, and the ninds of adversity which had mown all
night upon them had made them
how wondrous sweet scended to take a little pride in

Whem at last, in his own heart ; out-
wardly his ears were suffused with grass preparatory to carrying them wacking them away. Hereafter, a Hannel shirt or two
with a few adjuncts by way of handkerchiefs and stockings, would repre-
sent this labors at the washtub and He wanted very much to have a little interview with Mary; in the first
place, for the sake of the painful and place, for the sake of the painful and
pleasurable excitement pleasurabbe excitement of being near
her , nd in the seond place, because
his finances. had reached an ebb-as his finances had reached an ebb-as
witness the one pipe-drawing of to witness the one pipe-drawing of to-
becco remaining to him-where it was
bimporation imperatively necessary for him to
ipropern propound a
tion to her.
trank
tust as biness proposi-
tus mas making tion to her. Just as he was making
his return passage through the kitch-
en en, having passage away haish linen, Baten
suddenly appeared with an aftected sucdent appeared with an artected
preocupation of haste, and began
fumben fumbling among the bric-a-brac on
the kitchen shelf in search of some thing, no one knew what.
Rob, ${ }^{\text {disregarum, }}$, whis presence, stood in the center of the floor, and
spoke with dignity and self-posses ." Miss Stingaree, do you mind my getting you a mess of clams, instead
of your hiring Joey leccher to do "Why, of course not, Robert; but
don't you need the time for your own ". 1 will explain," said Robert, the flower of his courth lest d rawing-room
grace shining full have shing
have
written
to upon him; funds, but Captain James Turvine's
boat is not yet in win thu boat is not yet un wha the mails,
and my present linancial condition,
to to tell you the truth, Miss stingaree, is one of absolute penury in in Iact,
if penury means anything like penny, it would give me the proudest to yleas
it
ure to dig the clams for you for ure to dig the clams for you for
nothing; and if you will permit me
to have that pleasure I to have that pleasure, I will regard Joey Beclents, for digging a peck, pas
only a temporary loan, and shall feel grateful and very honored to reim-
burse you when 1 receive my funds.' burse you when receive my funds.
Bate, rrom an expression of dum
wondterment, chuckiled. as he renewed wonderment, chuckled, as he renewed
his irantic pawing over the kitchen He's out o' terbackher."
Butwen the two of them, Mary was hard put to it to keep her counte-
nance. would be lorthcoming to kot irum
New $\mathbf{2}$ ork; it was in the strict letter of the physician's bond that Rou
should be brought face to face with the utter realities of life, and either prove his crass weakness or struggle
up and stand on his own fect, morany seemed hard to her. He was so goud-atured.
awhy that he did nut dream ol his
washing the dishes for her. Bate made her friendily relations with her his ward more jousy and moodiness.
his insan'
But Robl's present elegance of manner cast a glamour over all chings, made them appear hopefut, even joylul. It
was not so sure but that, in same sense, in place of her bewteching him,
he was bewitching her, her lie tram-
ting ing had been so practical and severe,
and he was, at perent, at least, even with his appeal for money, the very
soul of chivalrous romance.
Mary could not Mary could not help smiling when
he brought his request to a peroration Very well,", she answered, "w
will not consider it as a loan, but will not consider it as a loan, but
shall be very glad o poy you th
cents if you will diy some clams cents if you will dig some clams." had devotly
Rlob bowed.
hoped that she would haderstand and hoped taiat she in advance ; then he her payment
offer could stop at the River on his way
back from the flats and purchase

 exertion was becoming second nature
strange mechanism of his body, after a few moments of quiet, if strenuous-
ly put to labor and plentifully bey put to labor and plentirully be
dewed with sweat, limbered up again to the tune of untiring action. Oc-
casionally he reflected in blank astoncasionally he reflected in blank aston-
ishment on his health and vigor, and lahment on his health and vigor,
still the latent purpose of his un-
trained pleasure-loving nature was
nat to go rollicking back to New York as soon as opportunity offered, and
expend his accrued treasures of deepexpend his accrues trasures oughep-
breathing lungs and toughng muscles in having a tremendously, a superlatively, " good time.
And now he took up clam rake and which was shorter, and had ceased, some time ago, to thrill him with affright ; walked sturdily to the flats. dug up the clams, tramped back and
delivered his spoils to Mary, and roceived his ten conts. Mrs. Byjo was
with her nilariously, with an with her, and hilariously, with an
air of goodfello air of goodellowship, as he retreated
threw several bad clams after him as a reminder to be more particular in
future in his selection of those bi valves
So homesick for company was Rob, it seemed nice even to have things
thrown at him, and at a safe distance, he tossed a loud, though expressly tender, kiss back at virginia,
and proceeded cheerfully on his way and proceeded cheerrull
down the hill again.
At the River store he purchased his
usual ten-cenn usual len-cent plug oi covacco and
filled his pipe, standing outside
in the center of activity created by a
confused street scene, consisting of one yoke of oxen and two men, andyes, that was Cuby coming. Cuby
knew the proprieties and the tenets knew the proprieties and the tenots
of choice society she did not of choice society; she did not look
at Rob as she stepped lightly past, her head well up, and her look communicating with the far edge of the
horizon. horizon. flattered himself with the
Rob happy thought that she expected him to follow. There, at least, he felt, as he watched her trin, smart figure
disappearing, was something tangibly disappearing, was something tangibly
human to get hold of, and he was lonely beyond utterance for genial companionship.
"You do loaf,", she suddenly adpleasure, when his footsteps pounded too plainly at her side to be ignored any longer. "You work not, you
make to loai by the store," make to loaf by the store." I
. Now, see here, Cuby, I don't loaf. It just happened. I haven't
stopped to breathe before in a dog's age. Rob puffed at his pipe choicely cautiously; even this despised quality of the weed had bruwn to be of precious savor to him.
ve been through with to get of this nasty tobacco. Twice a plug and down that eternal hill to earn ten
cents for such a luxury as this. Me - 1 -that they used to call the Hilgreat world, Cuby, and has got lots
of entertaining stuff in it of entertaining stuff in it. I mean
to make other folks laugh out of the wrong sides of their mouth, some-
time. Ha! ha! Ho ! ho!' Do his best, Rob could not muster up a malicious laugh. It might atmosphere, but his wild cachinnation had a distinctly joyous tone. Cuby
" My father says," replied s. signilicantly, "I shall never marry "Quite right. For that very reason you'd be mighty lucky if you
could catch me. I'm the goods all right. Sweat! Don't say a word.
All the arrears on my board bill paid up! Square with the world ! The
Stingaree potatoes are ahead of mine Stingaree potatoes are ahead of mine,
so I put in extra time at the usual bo I put in extra time at the usua,
wages helping hoe them. I haven' ironed yet, but I've done a bigg
washing. Sawin', wood, choppin' wood, diggin', hoein', clammin'-and,
say, I've laid Bate flat." This revelation was unwise, and it
had occurred to Rob as only a had occurred to Rob as only a re-
markable item among his various $\underset{\substack{\text { mar } \\ \text { toils } \\ \text { Cu }}}{ }$
Cuby's manner changed.
No, You have lick' Bate? You

Rob expanded with the momentum furthermore, with reckless high-mind edness :
" Ask Ask Miss Stingaree ; ask Cap-
tain Byjo-she saw him on the tain Byjo-she saw him on the
ground, and me over him telling him to "beg for mercy." tic long breath and put a hand on his shoulder, and her brown eye
looked into his. Rob was electrified, and he felt of a size that matched, not unfavorably,
with the surrounding with the surrounding mountains.
Ozone is as treacherous as whisky to the blood of any gay reveler who tias not learned how to hold himself in hand.
" If it is hones' an' true that you have lick Bate," said Cuby, solemn-
ly, "then they shall not any more
call you 'Daisy,' no. And call you 'Daisy,' no. And my father, he will show you to box with
the gloves. He has it well learn',
He shall make a laugh at them, show yyu." "Will he" cried Rob, his hands twitching to begin lessons. make yourself foolish to work so har-r-rd for so little pay. Why do
you not mek them that is rich do you not mek them that is rich of
you, send you the money? Why
" That is just where your dear lit-
tle head is level, my sweet girl. But don't you see they've got me in a standing room, even on one of thos old rotten wood-packets; and they're so connivn' mean together-and I be-
lieve Captain Jim 'Turbine's at the bottom of it-they wouldn't sell 'me a berth, even if I had the money Besides, they never sail, anyway, end
the vessels that do come in sneak in and out like thieves. Don't you see where I am? I'm going to put it in the geography: What is Hobert
Hillton? (Answer) He's a poor cuss surrounded by water. Cuby was no ques tion but that Rob was growing witty as well as valiant. She laughed so on his own brilliancy, followed suft:
"، Ho ! ho! Ha I ha!
" Yes. Me-I remember
Cuby through her merriment gurgled mek study of the geography at the come school. But now there is is Rober' Hilton ?' The pupils make surround' with water.' Yes," Then her face grew very serious. father will kill nou if you go away You make promise to me we are engage to each other. If you 'go I love you, they make such a laugh at me-you shall take me with you
That is sure. Yes. No, you shall not go. But write them the letters. See? Make the big thr-r-reat at The asperity of Cuby' ing face was enough to send fits owdismay through any corporate body of malefactors.
Rob's heart sank a bit at the in-
formation that he was indissolubly bound to Cuby; not but that she was perfectly entrancing, but the marriago
tie seemed a knotty problem gether out of his province at present With an embarrassed laugh he rele gated it to either the dark forward or backward abysms of time, just
wherever it might happen to making only the mental reservation that he would be rather more careful hereafter in his attitude toward the his side tempestuous titte maiden at "Letters, Cuby," he declared
gravely; "'why, I've written letters enough, but I never get any answer bine-mean as he is, he's honest. He would bring my letters over from Waldeck if any came. No, they a missive here in my pocket that I'vot been carrying about with me, that I'm going to send first boat. I reck-
on it'll make 'em sit up. It's a
hair-raiser." So
So prominently, did this intention
now absorb Rob's mind, he sought
the out as soon as his stroll with
Cuby was over.
When are you going to give me sail over to Waldeck, Captain Turbine ? he inquired, his broad smile over every earthly privilege to beThemy bosom friend.
There are some people you yearn
over. They may be vain or silly, or over. The may be vain or silly, or
worse ; but there's some quality about them makes you yearn over
them. So my old fool of a heart yearned over that sad boy, ; hear
was under rules along with Mary and the docto

Well, that's kind o' difficult to
Mr. Hilton," I answered. " win say, Mr. Hilton," I answered; "" wind
and tide, and all that, have so much to do with it, you know.
Wind and tide don't faze you. I wish you'd call me ' Rob,' Captain me over, Jim? won't pay you
quick orders when I but I sail under
Orders,'-why, you own your
vessel, and are master of it."'
strict orders on myself, all the same I'm awful careful, Rob, to obey my own orders.
". Pshaw.
like.
ld Maybe, then, it's because I'm like it rough and used to it, but "You lose all be the funder," orders." little impatiently. "Not a bit. I've been through seas, and sheered off rocks, that 'ud ". Oh .
Jim; and know, you're a fast sailor dential tone, wheedling sweetly, "yo are not old, you're hardly in your prime. Now look here, Captain,
you sail some of the other boys over you sail some of the other boys over,
now and then-why don't you take me? I'd lay around shore waiting to take my chances. I'd lay around I could get the chance to go when you do sail." He was wide awak on his subject; he had infused a wild, pathetic tremor into his voice.
It was hard ; it was harder on me than on him.
"Well," said I, turning my head
away, ". when the right time comes
that I can take ye, I'll let ye know,
"Thanks," he sighed heavily turned with a great air of having ." By the way-this letter Captain; do you mind posting it for me the ext time you sail over
any difference with the way hak vew treated by that old doctor in
Nork, and I knew that no money vould be sent to him right a way to had not the least objections to
ing the letter, and $I$ longed to do it without a word mare. There was no
postage stamp on it. It seemed an r could be so mean. But rules are rules, and especially promises-even
as to a penny-are promises. Poor
Mary even a penny having been men tioned in particular, and I ought to promise had been made through her That settled it. It should stand
So I steeled myself up to the business. .Where's the little picture of some
imperial sovereign or other, that heimperial sovereign or other,
longs in the corner of it ?' I said.
What a look those blue eyes gave What a look those blue eyes gave
me. I think he saw through me, and I think he pitied me and believed for nor why.
He dived into his pocket with an artificially offhand and impetuous
manner.
/" Thunder ", manner.
my change at home." I had become absorbed, apparently,
in some tinkering I was doing on my
aloofness from the dilemma in hand,
I had begun to whistle,
"Look here, Jim," "I've been ass enough to leave all my change up at the house.
His air of bravad ent; my manner of indifierenensparent ; my manner of indifference was
as Ioudly transparent. I made no reply.
" "Good Lord," he blurted out, I'd give it to you, Jim for the hask ing."
". I know that right, Rob,"," said I. his know that right well." Again frank and unfathomable pity
"'Say, old man, money's kind o. scarce around here, ain't it? Well. 'm going to att
matter, right now.
He went back up
difierent gait from the hill (at a very hibited on his first arrival at Power Lot, God Help Us); and how he
would get the penny for a stamp he did not know, but it seemed incred ible to him that Fate should face him out with denial and disaster in
so small an enterprise.
Just then he heard the fruitful cackling of a hen, and lo, escape from the clutch of impecuniosity lay open before him, though it led through the
clandestine and abhorrent paths theft. Rob darted in at the rear door of the shed, and looked over into the hen's nest nearest at hand.
There lay four eggs in an enticing There lay four eggs in an enticing
cluster, and, at present prices, one of them would buy a stamp. Into Rob's pocket went an egg, and down he came to me, holding out abeam with laughter as though Sin had not claimed him for her own. "/ I swiped it, Jim, 'pon my honor. got-r've stolen an egg.", The look of it, indeed. his majesty of size and classic beauty egg in wicked and that purloined before my very eyes. I laughod till my sides ached. His moral restitution would not be reached through bout with the ordained ethics of the law ; the ludicrous side of the thing had done me up.

Now, will you post my letter?", sure but Hand her over. I'm not,
Oh. Say-take me along." Waldeck
Likely. Sailing over to with a henroost thief. Not much." But the tears of helpless laughter
still swam in my eyes.
i/ Go alone then, you old weepin'. "Go alone, then, you old weepin'-
willow, and be hung to you," said Rob; but there was honest love as saving power over folks. saving power over folks.
He lifted his hat ceremoniously his hair: Good-day. Captain Turbine. He urned on me once more, warningly, and his eves flashed-"I'll sail with My cap went aff. "Good-day,
Brother Rob, and it will be a glad day for me when you sail with me."

The Passage Through Rob, in his mad haste, had not siscovered that Miss Stingaree was of material ohjects, in a corner of the shed, peeling rhubarb, when hen's nest. predatory hand into the As he returned this third time from
he shore, sucking parsimoniously at his pipe, Mary saw him through the house windows; tall, erect, brown,
so that the waving fair hair, growing tawnier every day through ex-
posure to wind and sun, looked stirringly picturesque beside the deepensaw this goodly spectacle, and then heart revolted that so comely an exterior should contain a soul of such
mean dimensions. mean dimensions.
Rob unconsciously mended his case
at once, as, seeing her within, he
entered, hat in hand, frankly smiling entered, hat in hand, frankly smiling
"Miss Stingaree, you harbor a thief-a petty thief. I abstracted an egg from old ' Ginger's ' nest and sities." smiled back at him with a happy revulsion of feeling, and her rare laugh encircled him with a sense
of bliss. of bliss.
". Were you hungry, Robert? Where did you go to boil it ?" "Oh, it wasn't quite so grovelling as that, Miss Stingaree. I gave it into a postage stamp. Ho ! ho ! "So you still want to get away irom us?", she said, and her lip
drew a little as if with mortification and pain. "I if with mortification but I hoped you would not mind it What awhile.
What he had written in his letter, conditions of Power Lot, of disreputable Bate, of outlandish Mrs. Byjo even of Mary's coldness and pride (infaithful performance of duty)-and the disagreeable way in which he had written it-it all surged back upon him now, as if he had lifted his before him a cruel and brutal blow '" Well," blushed Rob, "I feel that rm an awful burden, don't you sides, that there is tremendously urgent business of my own back in the States that I ought to attend to." As Mary looked at him, this state certainly would have appeared when he first arrived at Power Lot. His powers of recuperation seemed nothmg less than inspired; and she herself write, recommending his release from her low roof and mean
".Perhaps you ought to go," she
"Oh, Miss Stingaree, will you write and advise them? It's scandalous, their keeping me her
"Yes, I will write."
you,", said Rob; ; " but-but perhape
it would be wisest on that account,
too. For I-I think you're
you know ; and I might get to lik-
look at her-" more than you would
wish to have me like you."
wish to have me like you."
"C You affections are ,so broadly
scattered about Ropert, " scattered about, Robert," said Mary
quietly and kindly, "that 1 should
feel very sorny feel very sorry if I did not come in
for some share of them." blurted out. "Cuby Tee-bo," he without any society, and she's an
amusing little girl, that's all., Mary flashed a look at him; it was evident that her liking for him was
limited, and under strict control. know," nober been a saint, you try to be -'d try for anything, if me.", "If you meand by me and encourage "If you mean that you would like
to have me respect you," she replied to have me respect you," she replied,
""honestly, I should not be able to
do that until you could stand by yourself,", you think that's kind o'
" Don't ing afar through the window. "Try it and see," she answered.
Rob thought her tone implied that Rob thought her tone implied that
there might be unguessed spiritual
revards in the stal rewards in the stalwart attitudz she
had recommended; hut the prospect
was hazy was hazy to him, and especially ur
attractive. His. face was dreary "Well, I must go to work, he
sighed. "One thing," he added, in a hopeful and unresentful tone, again I I'll hug hold of a few pennies a while, an' get kind on used to, the ooks 0 them, before I spend the low an while. if you will alooks o' them, before I spend ' 'em- That hearty, singularly glad voice
that's sure. I never sailed so close seemed to dilight and soothe the old
His mouth trembled a little, lut "Come in, dear." she said: "they in the face without appeal or re-

## Well," he repeated sadly, - Mrs. Stafford says she would very glad to hire you to assist some

 with her hoeing. You could put in little time there, perhaps, , before our own potatoes are ready." afternoon, I shall be two days ahead on my , board, shan't I, Miss Stin"Yes." Mary was secretly d lighted, the question showed suchclose mental application and correct. figuring on Rob's part.
" Then, to-morrow morning," he ahead on my board, and in the afternoon I'll help Captain Byjo
I mean Mrs. Stafford; and she wil I mean Mrs. Stafford; and she wil
pay me the same you do ?-only she pay me the same you do ?-only, sh
will pay me in cash, of course ?",
". You can depend upon her to
"Miss Stingaree," said Rob, inhis throat, "I'm a 'hired man that's the size of it." like," observed Mary. She hesitated like, observed Mary. She hesitated do not know of anyone with greate opportunities, for you have not only the power to build a strong charand over, an-unfortunate past, which is harder, and greater ; and if you remained a 'hired man' through the whole business, that Rob again asserted simply that the world looked rather lonely; again he withdrew his sad gaze, and remarked in a stupefied
rancor :
." When I've earned the penny that
I owe you for old Ginger's egg, , of
course 1
I will pay it back to your drew him, said Mary. Her smile straight into her eyes himself looking spite of the smile, or through and, in seemed to him to be very grave and think," she said, "that I am at heart petty or stingy. I think if
you would believe that you would not be mistaken." "You do, for lowe's sake and charity's sake, what I would never do And old Jim-Captain Turbine, I
mean-he's got some fad or other for acting mean and stingy. You're both playing at it, but I guess I know. Don't you ever think but what I do.' " "No," cried Rob, "he's a real knight, marked genuine all but the
trimmings, helmet shied trimmings, helmet, shield and mail. found him, he doesn't bring me any mary acknowledged the brilliance of his jest with a gay laugh of her own.
Just then Mrs. Stingaree's cane rapped sharply from her bedside to the floor in the closed bedroom.
"Fveryborly has left me," called tortured sense of endurance ing to dominate the diseased brain Come in here, somebody. Come and
it with me," she calle ". That Renkert she called raspingly. Mary started instantly for the the signs of the unfinished housework which he had interrupted, and a pang of shame went to his soul, ise to sit sometimes with the afflicted $(\hat{i})$
woman. "Let me go.". He advanced to Mary eagerly She asked for Let me go in and sit with her:'
He knocked at the door Robert Hiltom.", he door. "It is lear roice. "I am coming in to all Come in. dear." she said: "they all noglect me they all desert me."

JUNE 25, 1908
ashamed to have her work so for me said the cheerfully confidential
taking a chair at her bedside.
Mary is a good girl-a good girl," said the old woman, beginning
to weep ; ". but my head ters mon to weep ; "but my, head tears meRob took her hand had grown to be an exceedingly firm as well as gentle quality in his once
flaccid touch : and his well-fia flaccid, ingenuous face added to the general resposefulness of his presence. Smoke your pipe if you want to, Honey," said the old woman.
"Would you like it better if I did ?" Rob asked, willing to sacrifice
his hoarded tobacco at a lady's command; though, marvellous to relate,
not in the mood for smoking just no
"' Yes, I would like it better," she
avowed, shrewdly guessing that se would stay longer if he had the pipe for solace. Rob drew his old clay pipe from his pocket, ostentatiously managed that her hand should acciden-
tally touch it for assurance, and put it between his teeth, but he had not lit it. Faithfully again he took her outstretched hand in his. She gazed
with her sightless eyes at his clearwith her sightless eyes at his clearopen window.
Beyond, there lay the many waters,
and the "Gut, through which and the ""Gut," through which
swept in the profound tides from the Bay of Fundy. In another direction lay the river and its hamlet, surrounded by its dramatic steeps. Rob, though prisoned in a limited and
temporary sense, felt the throb of all human possibilities in his veins. Some time-some time soon, in his young life, he should " make out,"
beyond the Basin, beyond the Bay, and into the cities and the ways of men again. But this poor palsied creature whose hand he held, for her
there was only one more journeythere was only one more journey-
that brief one, from her bed to those white stones down on the hillside. The sublime view, which had so uncomfortably impressed Rob at first (not but that he had travelled in his
time and glanced, between puffis of his cigarette, at highly-recommended scenery-before the luxuries of New York City had become his confirmed
and exclusive habit)-the sublimity of the view was becoming rather a friendly object to him
He faced it almost a
He faced it almost always now, in-
stead of turning his back upon it stead of turning his back upo him to stand and look off as absorbedly as if at a theater. Now and then the panoply of nature was so stargot to close his admiring and astonished mouth as he stood gazing. ". What ye gapin' at ?" Bate, passing with the milk pail, had inquired contemptuously on one such occasion.
There glowed in the west such a riot of color, of fiery horses of the sun, of purple-rimmed cloud chariots,
ravelling along a highway all goldtravelling along a highway all gold-
en-paved, over there-and all in en-paved, over miserable Power Lot,
plain sight of
God Help Us. Rob What am I gaping at '?" said Rob, half turning his head, in his
matter-of-fact way. "Say, just matter-oi-lact way.
look off yonder, Bate-what do you
think of that?", " Middle o' June, and a January wind to the nor'-west'ard, growled
Bate ; '. freeze our crops to-night, and we'll have to plant all over "ag' too late - that's what I think.'
Rob's jaw had dropped.
Bate jeered. business over thar'
"Does that
look so purty to ye, now?" "Why, yes," said Rob, though a
look of anxiety and disappointment
had settled on his face. "I can't had settled on his face. grandeur of - that business over there. $\begin{aligned} & \text { But now } \text { Mrs } \\ & \text { ne sat by poor }\end{aligned}$ Stingaree's bed-he was think future
the possibilities of a bright for himself after all, as set against
her brief, fateful journey to the her brief, fateful journey to the
gravestones on the hillside.
Then he thought of Mary. In her gravestones on then he thought of Mary. In her
Tpeech she was always letting drop things that made a man think; he

THE FARMER'S ADVOCATE
the River, on the back seat of the
Baptist meetinghouse, where she had Baptist meetinghouse, where she had
elected simply to hand in her "testi-
mony " with the rest. She believed
in God, actually, this sensible, keen woman; ; believed in Him with her whole soul, practically and forth whole sout, practically and forth-
And she believed that the journey And she believed that the journey
from the bed to the white stones on
the hillside was not She seemed to regard it as a minor affair, and unrelated to the soul, which had great enterprises on hand
Her conception of existence and th grandeur of being were as vast as the universe she beheld ; leading be yond the "Gut," as it were the
strait of death, into infinite bays strait of death, into infinite bays of
achievement and to undreamed-of shores of peace.
These thoughts were confusing, These thoughts were confusing
dizzying to Rob, as once the physical landscape now spr He fell asleep in his chair. Stingaree, holding his hand, had fall
en into a sleep as childlike. In his sleep Rob saw the sick woman rise
from her bed and start off on her journey, out into the wind and sun Shine a and the apple blossoms fel
upon her. But she did not stop at
the tombstones She seemed not the tombstones. She seemed not to see them. She went on and on-
and very clearly he saw her. She crossed the nearer waters that seemed
neither to touch nor dismay her, and wonderfully she entered the mighty tide surging in through the " Gut "
yet was she not troubled whelmed by it. but waved her hand whelmed him from afar, smiling. Bate looked in at the door and saw
his mother, quietly asleep, her withhis mother, quietly asleep, her with
ered hand held fast in Rob's ; and Rob, asleep, with his head on his breast, his old clay pipe clasped in
the other roughened hand. Bate's face showed only a stupid wonder crept away.
Mary came later, and as she glanced at her mother's face a sharp look ward and put her lips to her moth was no awakening.

A LAUGH IN CHURCH She sat on the sliding cushion,
The dear, wee woman of four The dear, wee woman of four,
Her feet, in their shiny slippers, Hung dangling over the floor. She meant to be good; she hed promised
And so, with her big, brown eyes. She stared at the meetinghouse windows, And counted the crawling flies.
She looked far up at the preacher, Droning away at the blossoms That whitened the cherry trees,
She thought of a broken basket She thought of a broken baske
Where curled in a dusky heap Four sleek, round puppies, with eringy ey snuggled and fast asleep.

Such soft, warm bodies to cuddle, Such quift. Such sprawling, cushiony feet: Sile could feel in her clasping fingers
The touch of the satiny skin, The touch of the satiny skin,
And a cold, wet nose exploring
Then a sudiden riputed
Then a sudden ripple of laught
Ran over the parted lips
Ran over the parted lips
So quick that she could not catch it With her rosy finger-tips.
The people whispered, "Bless the child," The people whispered, For shame in her mother's laf. .We most need men who cannot be
bought; who put character above every bought; who put character above every-
thing; who possess opinions and a will; thing; who possess opinions and a will
who will not lose their individuality in a crowd, or think anything profitable
that is dishonest; who will make no compromise with questionable things; whose
ambitions are not confined to their
own selfish desires; who will sacrifice private
interests interests to public good; who are not
aifaid of failure, and who will not have
one brem piuses and another for private life." pur-
" We have been using one of your cream sep-
arators (Melotte) for the last ten years, and up to the present we have not had a break. In fact, it is as good as
the day we bought it the day we bought it.
I do not think there is any better separator on the market."
(signed)

1. Ertevez,

Clover Dell, Ont.


The Melotte requires fewer repairs than any other cream separator.

$$
\begin{aligned}
& \text { The above testimonial was picked at random from among } \\
& \text { hundreds of similar ones. } \\
& \text { We claim that the Melotte, with ordinary core, will run for } \\
& \text { ten and more years without oosting a oent for repairs, and } \\
& \text { the testimonials we have in our possession prove that it } \\
& \text { does. What other cream separator has such a reoord? } \\
& \text { Now, is it not safer to buy a Melotte whioh has suoh a repu- } \\
& \text { tation to keep up than some low-grade machine whioh is } \\
& \text { only built to sell, and whioh will cost } \$ 25 \text { or } \$ 30 \text { in two or } \\
& \text { three years for repairs } 7 \text { Get a M Melotte, and in ten years } \\
& \text { from now, no doubt, you will be sending us a testimonial } \\
& \text { similar to the above. } \\
& \text { Send for catalogue and testimonial folder; also partioulars } \\
& \text { of free trial offer. } \\
& \text { R. A. LISTER \& CO. LIMITED } \\
& \text { G6 Stewant Stmeet, Tomonto, Ont. }
\end{aligned}
$$

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aundry and library for one yearth board, room Separate apartment for younger pugif)

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[^0]THE FARMER'S ADVOCATE

Current Events.
The Pan-Anglican Congress opened in London, Eng., on Monday, the

Lord Stanley of Preston, the Earl ada from 1888 to 1893 , is dead.

An inmate of the House of Refuge Windsor, has fallen heir to real estate in Manchester, Eng., valued at
one million dollars. A despatch from Dawson states
that forest fires are doing great damage in that district. Fifteen miles of the Yukon telegraph line has been
destroyed. The immigration authorities at
Winnipeg report an influx of over Winnipeg report an influx of over
16,500 American settlers into West-
ern Canada during the first four months of this year
W. A. Moore, Secretary of the Bal-
kan Commission, states that situation in Macedonia was never so terrible as at the present time. There
have been over ten thousand murders have been over ten thousand murd
there during the last four years.

Since the opening of navigation this season, over $8,000,000$ bush. of grain
have been shipped from Montreal, as have been shipped from Montreal, as
compared with $2,000,000$ from New and freight-carrying vessels from the
New York route to the Canadian

An' go all de place, I don't careDere's no girl can touch, w'at we se De nice leetle Canadienne
 By S. E. Kiser, in Chicago Record
$\qquad$ a grim look on your face. a grim look on your face;
are turning from all pleasures; your breast peace has no place; have ceased to find contentment
the nooks you used to know. you clung to long ago : are straining, you are striving
through the dark dars and the through the dark days and the fair,
oh, mirthless, eager brother, are you getting anywhere?
In your haste you have
linger or to smile
When a child looks up
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$$
\begin{aligned}
& \text { You have fled from sweet contentment; } \\
& \text { trouble haunts you in your dreams, } \\
& \text { It is long since you have loyitered on the } \\
& \text { banks of shaded streams }
\end{aligned}
$$

$$
\begin{aligned}
& \text { It is long since you have loitere on the } \\
& \text { banks of shaded streams } \\
& \text { That go singing to the pebbles they have } \\
& \text { made so clean and white }
\end{aligned}
$$

$$
\begin{aligned}
& \text { That go singing to the pebbles they have } \\
& \text { made so clean and white } \\
& \text { And have polished at their leisure and } \\
& \text { their pleasure day and night: }
\end{aligned}
$$

$$
\begin{aligned}
& \text { You no longer know the solace that is in } \\
& \text { a a sweet old a ar } \\
& \text { But with all your ceaseless moiling, ar }
\end{aligned}
$$ Compared with 2,000,000 from New

York for the same period. Realizing
the growing increase in the trafic from the Canadian port, the White
Star line have transferred five grain
de nice leetle canadienne
By William Henry Drummond.
You can pass on de worl' w'erever you
Iak,
Tak, de steamboat for go Angleterre,
Tak' car on de State, an' den you come

Tak' car on de State, an' den you come
back W'en you come on dis contree again,
 the nooks you used to know;
have ceased to care for others
nd glad breezes sway the blossoms in
the orchard on the hill,
$\qquad$
You have given up old fancies, you have
left old friends behind
You are getting rich in pocket, but are
have lost your sense of beauty in
your haste to push ahex,
along the ways you travel bitter-
And along the ways you travel bitter-
ness and grief are spread;
You have ceased to care how others bend
you have ceased to care how others bend
beneath the woes they hear,
ut beyond you there is silence that no
man may ever wake;
In the distance there is darkness that
morning's light may break;
At ing journey's end dishonor is for
the whe day by day
You are passing many pleasuress which
you have the right to shareThe Swastika, or . Navajo Indian
Cross,", as it is occasionally called, has
become quite a fad in our country, and
$\qquad$
$\qquad$
India fifteen a centuries embere the chris-
tian era, and thence it spread theage, and we find it pure or the bronsformedof iron. And strange as it may seem,Mound Builders of America. Five per-
fect SWastika crosses of hammered copper
were found in the Hopewell mound near
Chillicothe, Ohio, when excavated by
Professor Moorchead in 1891-2. One of
this mound in the Field Museum at Chi-
more natural evolution could hardly
the early Aryan Nature Worshipers, a
sign emblematic of the blessings of the
lessing that came from the keavens
The Swastika was used as a sacred symbol by the Buddhists, specially by
the sect known as the Jains, and also with a religious significance by the early Chrlistians.
It is no longer symbolic of any religious idea, except as its sacred character
may be retained by the Buddhists. It is maved as a talisman or amulet or charm belng a sign or symbol for benediction, blossing, good health, long life, good for tune, or prosperity.
What seems to have been at all time an attribute of the Swastika is its char acter as a charm or amulet, as a sign of
benediction, blessing, long life, good for benediction, blessig, This character has
tune, good luck. Thed
continued into modern times, and whilef continued tnto modern times, and while sacred symbol by at least one Buddhistic eligious sect, it is still used by the
ommon people of India, China and Japan as a sign of long life, good wishes and good fortune.
This was shown that in far as well a near countries, in modern as well as ancient times, this sign stood for blesslig, good wishes, and by a slight exten
sion, for good luck.-Sel.
the home that makes the RIGHT KIND OF A BOY.
good boy is the natural product of a good home, and all the efforts of consciously imperfect substitutes for the netural influences of a healthy - minded home. The great and overshadowing peril of a boy s life is not, as many sup pose, his bad companions, or his bad fomelessness. omelessnesas. I do not mean merely which can be called one's own, but the homelessness which may exist even luxurious howes the isolation boy's soul, the lack of anyone to listen his place loss of roots, to hold him to what drives the boy into the This is evil, and makes the streets his and in tang his family, or else drives him in upon himself, into uncommunicated the modern story of the man whose cause it was "empty," there entered If seven devils to keep him company. If there is one thing that a boy cannot
bear, it is himself. He is, by nature a gregarious animal and if the group which nature gives him is denied, then he gives himself to any group that may
solicit him. A boy, like all things in
in nature, abhors a vacuum, and if his
home is a vacuum of lovelessmess and
homelessness, them he abhors his home.-

HOW BUSINESS MEN OF BERLIN ADVERTISE.
Bull-boards for advertising purposes are
taken hy pillars or columns ir place is
street corners. These columns, which
$\qquad$
Built at the edre of the sidewalk, they orm a conspicuous feature of street life in that city. It is interesting to note columns is more in the nature of reading The privilege of erecting and using
these advertising columns is awarded by the city to the highest bidder. Accord-
ing to the terms of the lease now in ing to the terms of the lease now in
force, the city receives an annual rental of about $\$ 95,2 n 0$, but can not grant a life of the lease is ten years. The price which the successful bidder may charge for space is regulated by the Berlin put up inust be papproved by the police
Except in the and Except in special cases, the advertising
space is awarded space is awarded according to the onder
of application. The city reserves the
The right to demand the posting tity reses the

THE JAPANESE HOME For some time there has be tinct Iulf- the publication of English peopledon tot to bed at all. In Japan Japanese life and chsorbing topic, the that come to theol. Holland, however, remaracter. Mr. Clive it is only necessary to express a wish
"o old and New in his to sleep, or retire for the night, rations in Color Japan, with Fifty Illus one's hands and exclaim, "Futon motto
 inexhaustible as ever. The author of swers the summons hastens to the fukuro
"My Japanese Wife" and "Things Seen dana, or cupboard, in which the bed is in Japan," is an exceptionally alert ob- kept during the day, and, in a twinkling,
server, who has studied men and the futon, which are rolled up on the two at frrst hand in the enigmatic island em-
phelves, are taken out and spread on the pire. Hie latest volume will certainly white matting floor. They are placed
add to his reputation as a student of one upon the other, and, if the family
then add to his reputation as a student of one upon the other, and, if the family
that inner life of Japan which has so haved sheets, one of these is
trequently been stared placed upon the top of the futon. Then
 EARTHQUAKE-PROOF HOUSES. $\begin{aligned} & \text { has sieeves like a kimono, and is longer } \\ & \text { than the under ones, and is rolled up or } \\ & \text { Particularly interesting is Mr. Clive mierely piled up at the foot of the bed }\end{aligned}$ Holland in the chapters devoted to the ready to be drawn up over one when one
home life of Japan. he defends the better-class Japanese house from the general charge of flimsinuss.
Necessarily earthquake-proof, such a Necessarily earthquake-prooi, such a
Japanese home is anything but a doll 's
house: '. The frame of the house itself is so made that
sible resistanc sible resistance to the destructive motion
of the earthquake. of the earthquake. Solid, and with a
system of curious bracing and dovetail-
ing which is the result synten of curious bracing and dovetail-
ing, which is the result of centuries of
study and practical conflict with the readed power of earth cuake shocks, this Is able to ontier its full share of resist-
ance." Inside the house the spell of
Japanese politeness, the soul of Japanese
 threshold. The very rooms are pervaded
by a sense of art which permits of no by a sense of art which permits of no
embarrassment of furniture, no crowding
together of nicknacks to conceal the abogether of nicknacks to conceal the ab-
sence of desig. One need not dwell on
he general enfect of these comparatively bare rooms, in which the author has dis-
covered only two defects-lack of privacy and permeableness to cold:
Regarding the first (which is a de-
fect that does mot oo present itself to the Japanese themselves), it may be said that
kreater privacy-which may reater privacy-which may possibly, in
he near future, Wecome nccented Che near future, become accepted as desir
able, owing to changing conditions civilization-could easily be secured wwith-
out loss of the distinctive and artistic out loss of the distinctive and artistic
features of native construction by subleatures of native construction by sub-
stituting, at least in the case of some
rooms, more solid walls in place of the sliding shoji (other panels) or karakami
of paper. As regards the second point, t may be said that the Japanese themtraining, impervious, or at centuries of least inured
io the effects of cold. And to o the elfects of cold. And to change
their admirably hygienic and airy their admiraby hygienic and airy
rooms and homes for the stufy and sel-
dom well-ventilated apartments of Westut mioht have disatrous onysical nut might have disastron physical conse the lady of the house. So much nonsense has been written on
he subject of Japanese ladies that one s apt to ignore the very existence of the
ind haus-frau of Japan. Yet the Honorable
Lady of the House is a very real and a
arery
 be prepared, the observances con-
aceted with hirths. marriages, and deaths; the household worship, and ciruch as sickness, fires, or earthquakens, or of the frequent changes of residence,
which are so common in Japan, and
mecessitate such packing up and unpacknecessitate such packing up and unpack-
ing of the household qoods and ward-
roles." In regard to the Japanese cusrolies." In regard to the Japanese cus-
tom of giving presents, the author notes
thint they "would appear to be chiefly
wiven (except when for services rendered)

of the House is the arranging for the
payment

The Roof Tried by Time
A COMPOSITION ROOFING that improves with age is just the A sort of roof the wise farmer wants. There is one roofing which has earned this exclusive distinction. When CAREY'S ROOFING has seen service out in wind and weather for a dozen years or

## Carey's Roofing




 CEREY ROOTING

 Write for prices, nearest dittribating point, FREEE SAMPLES and desoriptive booklet. The Philip Carey Manufacturing Co, Toronto, Montreal.


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THE "CHAMPION" Gas and Gasolino Enging The only gasoline engine that satisfaction or no sale The price is
tioulars.



Make Hay While the Sun Shines Most completr Line op
HAY Toole
IN CANADA. - TRONG $)_{\text {ATISFACTORY }}$ Oshawa Hay Carrier Works, sOUTM OSHAWA, ONTARIO.

When Writing Adventisers Please Mention this Paper.







| POVFRRI |
| :--- |
| CEGGS OM |



















## GOSSIP.

ittee meeting of the Executive com
sociation, held June 6th, it was decided
that the third annual show of the As-
sociation shall be held at the Coliseum, in Chicago, beginning of December, 1908 The Committee also appointed A. J. Glover, of Ft. Atkinson, Wis., as gener-
al manager, and Mr. Rawl as general al manager, and Mr. Kaw as general superintendent of the live-stock depart-
ment.-E. Sudendort, Seccy, Chicago, ill.

The auction sale, on June 9 th, of Aberden-Angus catlle from the herd of
Stanley R . Pierce, at Creston, Crill, was


 three-year-ol
brought
872
ouestions amd amswers. OUESTIONS AND AMSWERS FIELD PEPPERGRASS







## Veterinary.

MISCELLANEOUS
horse's feet
2. Horse was kicked on the stiffe, the Give treatment
3. Mare aborted at seven and a hall months' gestation. Is it safe to breed her again?
Ans.-1. Remove all partially - do tached horn from the frog. Cleanse the cleft thoroughly, and put a little calomel in, working it well down into
the bottom. Keep in dry quarters, the bottom. Keep in dry quarters,
and apply the calomel every second day, as long as necessary.
of the pus. Thencess, and allow escapd wice daily, with a five-per-cent. solution 3. There is
a danger of abortion in any case. This is more marked in a
mare that has once aborted. At the same time it is practically safe to breed her. From the seventh to the ninth month of gestation, use her very gently, watch
closely, and if she shows symptoms aborting, give two ounces laudanum every three or four hours until the symptoms cease

```
WEAK FETLOCK
```

Foal, two weeks old, and fairly strong,
began, two days ago, to go forward on right fore fetlock at every step Give Ans.-The cause of this is a congenital weakness of the extensor muscles of the
leg. Treatment consists in supporting Treatment consists in supporting
the part by splints, bandages, etc. Take a piece of heavy, thick, harness-
nakers' felt, about ten inches long, and eight inches wide; make three splints of
green elm or hickory, ten inches long reen elm or hickory, ten inches long,
one inch wide, and one-quarter inch thick. Place one in the center of the
felt, and one two inches from this on each side. Then take six straps and
buckles, and stitch them crossways about equal distances apart, tacking the
aplints to the straps. Wrap the weal leg well with batting, and then buckle splint directly in front, extending right down to the hoof. This will support The fetlock. It inust be removed and
left off for, say, an hour, twice daily o allow the limb to become cool, and until the foal can stand without

Miscellaneous
PUFFED KNEE-UNTHRIFTY MARE
ver knee, on side of leg, and favors it
some. Will blistering effect a cure, an
what kind?
dition; is well fed. She coughs some and a rattling in her head sometimes, Ans.-1. If the enlargement is not on
the knee joint, or the side of the joint blistering would probably be the best reatment; but, in any case, we wout
advise, frrst, trying a liniment, composed rystale and iodide of potassium, and 4 unces each of glycerine and alcohol.
Rub in a little with smart friction once 2. The following tonic is recom-
2. phate, pulverized gentian, pulverized nux
omica and nitrate of sodal
dium campestre, and, where it is com
mon, is called cow cress or field pepper
gress. The remedy is disc-harrowing in
the dry weather
spring cultivation

TUMOR.
Mare has lump on neck, just in front of collar, a little below point of draft.
It is hard, but loose under the skin. It is not sore. Have been using Ab-
sorbine, but it does not seem to have sorbine, but it does not seem to have
any effect. Can you suggest a remedy? Ans.-This is a fibrous tumor, and can only be cured by being carefully dissected
out. the skin sewn wp with the excepout, the skin sewn up with the excep-
tion of a small opening at the bottom for drainage, and the cavity flushed out twice daily with warm water and then carbolic acid injecte
syringe until it heals.
BREEDING OF BARON'S PRIDE Kindly state who bred the noted
Clydesdale stallion, Baron's Pride (9122) Clydesdale stallion, Baron's Pride (9122),
who own him, what is his age and pedigree? J. V. Ans.-Baron's Pride (9122); brown;
foaled May, 1890; bred by R. \& Jind laaled May, 1890; bred by R. \& J. Find \& W. Montgomery, Netherhall \& Banks, Kirkcudbright; sire Sir Everard (5353);
dam Forest Queen, by Springhill Dart dam
ley
(2test
(2429);
Queen, by
grandam $\underset{\text { Forest }}{\text { Springhill }}$ Darn(4740), by Pretender (599); greatgrandam Mall, by Clydesdale Tom (177). Sir Everard was sired by Top Gallant
(1850), who was by Darnley (222), and the dam of Sir Everard was by London
that (222), and Prince (472), by Prince of Wales (673). Springhill Darnley, the sire of Baron's
Pride, was by Darnley $(222)$. NON-REPAIR OF LINE FENCE
$\qquad$ mortgage. Line fence maintained by
late owner is in very bad repair Company was verbally notified. My cattle
atray from my pasture unt. stray from my pasture unto said farm, railway and are killed.
$1 . \mathrm{Am}$ I in a position to collect damage from holders of farm?
2. Can I compel them to 2. Can I compel them to fix fence,
acknowledged by late owner to be his, and maintained by him?
3. Can they force me to keep my cattle off them, my fence being allp right?
4. Does it make any difference if farm



1. Sheep, found in pasture, when walk-
ing lifts its front feet very high, and ing lifts its front feet very high, and
crosses them; at times its ankles bend
forward, and it falls on its knees. Sheep
seems seems perfectly healthy.
2. Could you tell me what you think
about the for roofing purposes?
 1907, for $\$ 2.00$. When said pig was
castrated (before A bought pig), one
(rue testicle and a
$\qquad$ B and the castrator all believing A pigy to
be all right. A grows pig untill June. be all right. A grows pig until June,
1908, then dressed pig for pork, when
other testicle was found imbedded in other testicle was found imbedded in
flesh. Is $B$ responsible in any manner?
3. 4. If $\Lambda$ sells said meat to butcher, is
$B$ responsible if meat is imperfect ? Ans. -1 . This may be, and probably
is, due to grub in the head, the result of eggs deposited in the nostrils of the
sheep by gaddies last summer. These
grubs are often found in the heads grubs are often found in the heads of
healthy-looking sheep when slaughtored
Some chean resict Some sheep resist the effect of their
presence, while others succumb. preventive, it is well to daub
sheepp nose with tar occasionally
midsummer. or let them have access
mallet. Others, by pouring, or eyringing,
spirits of turpentine into the nostrils
holding the sheep's head up for olding the sheep's 2. So far as we know the roofing mentioned is entirely satisfactory
though we manifestly cannot publish though we manifestly cannot publish
opinions of patented and proprietary articles of commence.

GOSSIP
Mr. A. W. Smith, Maple Lodge, Ont will offer for sale is about twenty-six and is of the good kind with brig deep thick heart-girth, good head, back and
loin, and plenty of size. Have some loin, and plenty of size. Have some
loice heifers of milking strain. Our
choicher choice haifers of milking strain. Ou
Leicester sheop have done splendidy. grand champion sanford and thany shea lings are very handsome, by Sanford and P.

Volume 17 of the Canadian Ayrshire Herdbook has been issued from the office at Ottawa. It is a substantial volum of over 400 pages, copiously illustrated aing ing pedigree records of bulls and feale otal of 2,162 , also a list of members o the Society, reports of the annual and directors' meetings, reports of Ayrshire
cows and heifers registered in 1907 in the Canadian Record of Performance for pure-bred dairy cows, with portraits of
winning animals, and a list during the year. Mr. W, F. Stephen Huntingdon, Que., is Secretary of tha Mr. J. W. Nimmo, Otta Herdbook, and Vol. 17 is certainly a very WHEN HONOR WALKS ABROAD. One evening at dusk, as Mayor Jones
and I were going home, a negro tramp, unkempt and sinister, asked him for the price of a lodging. He had no change Sut he handed the tramp a five-dollar bill,
telling him to get it changed and could have his alms. We waited; the far less faith of other things; I, with expectation. But, after a while the the
tramp came hamp came back, and into the Mayor' The Mayor, humanly complaining of the
heavy silver which heavy silver which the Treasury Depart-
nient sends to us in the West New York may have all the crisp dollar
Lill, dropped the money in his pocket
$\qquad$
"Was it all right?"
". Yes,", then, there's no need for my
Well,
counting it, is there? Did you take
$\qquad$
$\qquad$

 that wandering outcast? How much e in contact? with whom - possibly, my own lack or
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

JUNE 25, 1908
QUESTIONS AND ANSWERS Miscellaneous

REMOVING HORNS WITH How should caustic potash be applied to a call's horn-buds to destroy the
horns, and at what uge of the calf? Ans.-Get a stick of caustic potash from the druggist. Wrap all. but half an inch in paper so
fingers.
Dip the end upon. it, and rub end on water, or spil
when the calf is three the horn-button when the call is three to six days old,
but do not allow it to spread beyond the ${ }^{2}$ dit run down on the skin, as it will eat
nto the the and cuuse pain. If it
does apreat gar to neutralize the canstic necessary
eew days.
EXTERMINATING HEN LICE-
CONCRETE FLOOR. 1. Would you kindly inform me how
to rid lice out of a henhouse, as I want to turn it into a corn stable?
2. Also, how to put in cement floors? Will it do to put in earth, as
want to raise it about one foot and a
hall, then stone and cement? What hall, then stone and cement? What
depth of stone should be under the ce ment?
Dundas
meader. Ans. -1 . Clean out, and burn all litter
and fixtures. Then close the house up and fumigate by burning sulphur, taking
care, of course, to prevent damage by fire. Leave the ouse closed a week or fumigation. 'Then whitewash thoroughly with strong milk of lime. To make
the whitewash adhere, add to each pailful of it two or three handfuls of coarse
salt. It might be well to apply coal oil with a brush before whitewashing,
taking care to get it into all crevices taking care to get it into all crevices
and cracks. 2. See "The Farmer's Advocate" of
March 19 th, 1908. Cement floors may be laid on a solid earth bottom, and
it would even do to raise the foundawere thoroughly rammed as each layer of five or six inches was spread on. It
will. however, make a drier floor to apply six inches, or a foot, of cobble-
stone, broken stone, or gravel, well
sone rammed down before applying the con-
crete coating. If stone is to be had (1)


COLIC-PIGS COUGHING.

1. Mare is subject to colic for a week
two after foaling. She becomes sick after eating a little grass. How can I
prevent this? 1 am told to give her charcoal.
2. For two years I have been troubled
3. voung pigs coughing, and they do with young pigs coughing, and they do
Jot thrive well. D. Ans.- 1 . ${ }^{\text {do not }}$ Feed a tablespoonful of gin-
prevent it.
ger in a little damp bran or chop twice
daily After foaling, feed a little at a daily. After foaling, feed a little at a
(ime (especially grass) and often. If the mare has been on pasture before foaling,
1 would leave her out, unless she be1f wes sick. If she becomes sick, give
nunces each of laudanum and sweet tract of belladonna, in a pint of cold
water as a drench, and repeat in two hours, if necessary.
4. This is due to germs in the building. As soon as the present litter can
be let out, sweep the building thorough-
ly, and give a thorough washing with a y. and give a thorough washing with a
five-per-cent. solution of carbolic acid.
week, give a thorough coat of hot-

THE FARMER'S ADVOCATE


Try the HANDY sTANCHIONs Shatland, Welsh and leeland Poniles PAD FRAMES.

 wibe proc
diroural
ROYAL
oyal grafton, Mt. Oharlos. Ont.


CLYDESDALES

 Smith \& RIChardson, columius, Ontanio.

CLYDESDALES
 SHORTHORNS
 JAMES McARTHUR, Gobles, Ontario.

importation of Clydosdalos, Hacknoys and Porohomons of the Year.






AOTION DEVELOPERE


Illustrated pamphiotu, tastimontalered pricoe


## Graham - Renfrew Co.'s GLYDESDALES and HAOKNEYS. <br>  

 GRAHAM-RENFREW ©O., LTD., Eodford Papk, Ont.

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## \% <br>  <br> One Half

THE BINDER TWINE SOLD IN CANADA IN 1907 WAS DEERING MCORMICK AND INTERNATIONAL BRANDS
$F^{\text {IFTY per cent of the binder }}$ twine used in Canad for

 twine
brand ghy give such universal satises

 iength and imperfect wine during
one season
will
proft by
by mistake and see oo to that they get
brand which has full length,
bull strength, and evenness of otrand to ecommend it
Are you on
Are you one of the farmers who
 MoCormick or or Internationai
twine, tor thess twines are always twile, ,or these twines are almays
full engh, full strength, and comply with the requirements of the Sovermment inspectors.

McCormick in the use of Deering McCormick and International teed to stand a breaking test of 50 to 85 pounds, and to have averge lengths as follows:


Manila,
Pure Manila,
6050
These brands of twine are also remarkably free from swells and bunches of tow; a comparison with
other brands will convince you of this.
It will pay you to call on the local dealer and inspect these
brands of twine before making a purchase. Or write to the nearest branch house for further information.

CANADIAN BRANCH HOUSES:
Calgary, Altan, llaminom, Ont, London, Ont., Montrenl, Que., Othwa, Ont., Regilna, Sask,
INTERNATIONAL HARVESTER COMPANY OF' AMERICA снícacomonateos. a.


THE UNION STOCK-YARDS Horse Exchange WEST TORONTO. oamada. Anction sales of Horses,
overy Mondey and Wh Wed needas
 HERBERT GMITH, MANAGER.

[^1]Gossip. Children at the Agricultural As the regular annual Farmers' Insti-
tute excursion Ifom Waterloo Co. to the Ontario Agricultural College chanced to
fall on the date of the public-school extall on the date of the public-school exx
aminations, thereby depriving pupils froin taking advantage of it, a special excur
sion for the children was planned for sion for the chilidren was planned to June 8th, on which date the college wae
visited by about 1,000 puppils $f$ from the Visited by about distrits and towns of Gation Press
rural dist
ton and Hespeler. The excursion was ton and Hespeler. The excursion was
under the direction of F. C. Hart, Agrit under the direction of F. C. Hart, AAri-
cultural Teacher at the Galt Collegiate curtural Thecher the juveniles were bent
Institute. That the
on making the most of thir opportunity On making the most of their opportunity
was ovidenced by the deep interest taken in the various departments, and the
questions asked of those in charge. An
 and has proven a commendable departure
rom the usual idea. The school pupile from the usual idea. The school pupile
have been given a wider outlook and an
hat have been given a wider outiook and an
incentive toward beter education tor
 by the girls in Macdonald Institute, and
bince their return, many have exprossed since their return, many have expressed
their intention of taking a course there These pupils are just at an impressionable age, and the value of such a day to them at th
estimated.

> TRADE TOPIC.

Brandram- Henderson,
Thanks to the
LTD -
 hinery of a large manufacturing concern tor tho production of white elead, by the
celebrated Brandraum process, which insures the highest possible standard of
body and color. This process was body and $\begin{gathered}\text { color. } \\ \text { originally }\end{gathered}$ This process was was
worked originaly worked out by Drandram
Bros, in or hatut the end of the 8 ch cen-
tury, and has been in continuous operation tury, and has ben in continuus operation
ever since at their works at Rother-




Has beon in use for over 30 yeara, and considered by all who have used it to bo
BAD BLOOD
BAD BOWELS
BAD BREATH
It will thorougbly renovate the entire
aystem, and make the blood pure, rick aystem, and make the blood pure, rich and red-ouring Boils, Pimples, Kczoma,
Ringworm, and all blood and skin diseasen
AN INFLAMED TENDON Absorbine Will dit tad ratora tho ofroultom







 Dr. Bell's Voterinary Moclical Wontor




A little boy was going on a visit, and not to ask tor anything to eat, as he had been in the habit of teasing tor
something at every place ho went to happened to call at his auntie's, and
walked around the room a few times.

Consumption 200 Book


JUNE 25, 1908


## DEATH TO FLIES

New life for your live stock and chickens. Protect your animals and birds, increase their moneymaking ability by freeing them from flies and vermi

Dr. Williams'
Fly and
Insect
Destroyer
kills these pests. Spray the animals and their quarters. You'll notice the improvement fter one or two applications. Used with success all over the U. S. and Canada for years. Make this summer easy for Or. WIlliams' Fly and Insect Destroyer from your dealer. If he hasn't it, send $\$ 1.00$ direct to us for a $\frac{1}{2}$-gal. can and sprayer, with printing matter. One trial and you will never be without thes

THE F. WILLIAMS CO.,
Morrisburg, Ont. Madrid, N.Y.
agents wanted

## the spice of life.

 The little girl was very fond of pleas-ant days, and at the close of a heavy
ainstorm ainstorm petitioned in her prayer for
fine weather; when, the next morning Mr. Joshua Lawrence, Oxford Centre,
Ont., near Woodstock (G. T. R. and C P. R.), breeder of Large English Berkshire hogs, makes a change in his adver tisement, in which he offers for sald young sows in farrow to Imp. British Duke, and young boars ready for service, also spring pigs, ten to twelve weeks old, by imported sires, and some out of imported sows, or directly de scended from first-class imported stock his hogs are of the lengthy, smooth good-feeding type, and he can supply pairs or trios Offord Centre is the tost office address, and Woodstock the railoffice address, and
way station. Mr. F. W. Scott, Highgate, Ont., in
ordering a change of his advertisement ordering a change of his advertisement
of Shorthorns, writes: "We now offer or sale our stock bull, Good Morning
(imp.) $=55018=;$ he is quite active and sure, a nice red in colior, low-down, even
fleshed, with a beautiful mellow coat o hair; weight, about $2,100 \mathrm{lbs}$. ; be is just
past five years old, and the young stock past five years old, and the young stock
from him are a choice good-doing lot, $\Lambda$ all our cows and heifers are now
safe in calf to him, and we will have no use for a bull for the next six or eight months, we will sell him for a reason-
able price. The heifers we are offering are a choice lot, and will be priced rea-
sonably. The two young bulls are just sonably. The two young bulla are just
past six months, both dark roans; one a past six montho th from Lord Lieutenant (imp.), and the best one from an im ported dam; one of the best milkers we
ever owned." Mr. G. A. Gilroy, Glen Buell, Ont., in
sending change of advertisement, state sending change of advertisement, states
he has just returned from the great Holstein sale at Syracuse, N. Y., where
157 head, including calves one and two monthe old, sold for an average of over
One thousand three hun $\$ 230$ each. One thousand three hun-
dred dollars was the highest-priced cow dred dollars was the highest-priced cow
in the sale. $\begin{aligned} & \text { One thousand dollars was } \\ & \text { paid for }\end{aligned}$ wo-year-old haifer: $\$ 800$ for paid for a two-year-old heifer; $\$ 800$ for
a heifer calf. There were seven head a heifer calf. There were seven hear
secured for Canada, five of these Mr Gilroy shipped to P. J. Salby, of La-
chine Rapids, Que., und the other two chine Rapids, Que., and the other two
viz., a $264-1 \mathrm{~b} . \Lambda$. R. O. butter cow, with
$107-1 \mathrm{l}$. 107 -lb. thirty-day record as a five-year
old, is retained in the herd, together old, is retained in the herd, togethe
with one of the best bred bulls of th breed in Canada, Oakland Sir Maida; his four nearest dams average over 28 lbs
butter each in seven days, and over 114 butter each in seven days, and over 11
lbs. each in thirty days, and there ar two cows over 30 lbs . in pedigree on The doctor of a Scottish village is a
bit of a wag, and is very fond of ban tering encounters with certain local " characters," contests in which the doctor often comes off second best. The
other day when going the round of hif patients, he chanced to pass a nook near
the church-yard where old Jamie, the the church-yard where old Jamie, the
stonecutter, was busy at work among a, stonecutter, was busy at "Work, Jamg
number of gravestones. Ahe,
seid the docfor, after interchanging said the doctor, after interchanging a
word or two about the state of the weather (during which he noticed that one or ty finished, so far as modelling was concerned, but having nothing in the way of inscription, except the heading, "In memory of""; "I suppose you
finish your gravestones as far as that heading, 'In memory,' and then wait for
someone to die before you go on?
"Weel, I I dae that whiles," replied the
stonecutter, " but sometimes gin a body's ailin' and you happen to be attendin' on them there's nae occasion to wait-I jist
gang richt on."
A Scotchman, wishing to know hi A Scotchman, wishing to know his
fate at once, telegraphed a proposal, of
marriage to the lady of his choice marriage to the lady of his choice
After spending the entire day at the tele graph office, he was finally rewarded late
in the evening by an affrmative answer "If I were you," suggested the oper tor, when he delivered the message, "I'd
think twice before I'd marry a girl that
In kept me waiting all day for my answer."
"Na, na," retorted the Scot. "The "Na, na,", retorted the Scot. "The
lass who waits for the night rates is the
lass for me."


The Btock-Owners' Medlalne Ghest What You Have Boon Warting for Yoars this chise contanss: 1 Collo Drautht. ${ }^{8} 8$ Courth Po diar. ${ }^{8} 8$ Durotto Powder 6 Duarkion Druithte
19 Condition Poudert.


Foll inditroition nad votorinimp navioe










The Stock-Owners' Voterinary Disponsary
Brown Sulas Ontto FRENOH-OAMADMAN HONEES. Wo aro onvering for nalo aillo of bill mener

 a. E. stamish, Ayepe airm poor Hemefords yimemian

 Aberdeen- Burroter po Angus It you ragatro dithere of thaoe Cattlo Jamos Bowiman;,imm Park, Oinlph
 Abardicen bulle trom brom ityorr
 ABERDELK - ANQUS
 드ㄴㅐㅛ The chief characteristic of the Austral. an Bushman is his tacilturnity; Two socar-apiteerb lived in the buah in the in the morning and evening
. One morning, Jack said to his chum ing lary, did you hear a cow a-bollow Harry made no reply until lete that night. How did you know it weren't bull ?" he asked.
Jack packed his swag and departed. " There's getting to be too much argu-
ment here,", he eald, mournfully.

Black Watch
On a Tag on a Plug of Black Chewing Tobacco Slands ior Cunily.


Shorthorn Bulls


I have for sale four as good young bulla as liover offered to my oustomers at my best times. For type, quality and breeding thees are up to the standard of firts and soo.

ARTHUR JOHNSTON, Greenwood, Ont.
Glaremont Stno, C.P.R.; Piokering, G.T.R.
h. Elward Meyar, Gualph, Ont.

$$
\text { P. o. Box } 378
$$

Breede Scotch Shorthorns exelasively. Twolve of the most noted Sootich tribes have

 DERBY, FOR SALE. Having everal of


 TWO IMPORTED BULLE Direot from Aberdoonshire, Bootland, of oxool. int and dam, nor others irrod by Joy of Morn
 Fort 10 Shomthomn Bulle from 10 to 18 months ola, sired by Imp. Lord
Roseberry, and most of them out of imp.
imwa
R. Mitchall \& Sone: MAPLE GROVE SHORTHORNS Boottoh and dairy bred; up-to-date in typer prise yhar old heiferg 1 yoar old bull, and one 5 mod
 FOR BALE D Ahorthomn Bulle it for

 Shorthorms and Leloesters !
 Lioitester omee.
STONELEIGH R. dEFFF \& BON8, STOCK FARN Breedorn of shorthorns, Lei-
 BCOTCH BHORTHORNS! We now offer four haifer oalves 10 and 11 montity
old. All reds. Bred from imp. बire and dame.



Hawthomn Herd
OF DEEPMILKING
SINYSIDE STOCK FARM $\begin{array}{ll}\text { OF DEEP-MILKING } \\ \text { SHORTHORNS } & \end{array}$ SHORTHORNS

 $\longrightarrow$

Wo are offoring a very superior lot of sHORTHOR
HIOme $e=10$ eclurin Ce the bent breeding and quality at attreotive prioes for the bayor.
To Bee them ill all that in neocesary. Try to do so if you are in the marko. clamcy. H. GARGILL \& SON, Gargill, Ont.
manator

SHORTHORN BULLS
For sale
At the dirporiton of the "Thistle He" herd in
 zood youns bulle for stio. For pe
other particoulara apply to
Erougham, Ont. Claroment Stu., C. P. R.

## The Salem Stock Frum BHORTHORNS BPEOLALTY. WRIT <br> J. A. Watt, Elora, Ont.

LIVINGSTON's oll cakt MEAL.
 MEAL.


 DOMINION LINSEED OIL CO., LIMITEO Montreal, Que.

Badon, Ont.
spRiligvalley shopthonlis|R. H. REID,



Olover Lea Stook Farm
PINE RIVER, ONT.,
KYLE BROS., AYR, ONTARIO.
BREEDER OF SHORTHORN CATTLE


Maple Home Shorthorns !


 A. D. SCHMIDT \& BONS BIROWNLIEIE Three young balls left Also a few heifers. Very reasonable. ${ }^{\text {Gor }}$


CEDARDALE SHORTHORNS




Greenock Shorthorns $\begin{aligned} & \text { Imp. Protector heads } \\ & \text { herd. } \\ & \text { For } \\ & \text { Bale: }\end{aligned}$
 P. And M.C. Rys. JOHN McFARLANE, Dutton,Ont.

GOSSIP.
At a sale of Aberdenn-Angus cattle,
property of James Williams, at Marcus, lowa, on June 2nd, forty-ight head sol for an average of $\$ 158$, forty-two fe males realizing an average of $\mathbf{8 1 6 7}$. Th
top price, $\$ 625$, was for the top price, Imp. Aurora, and the second highest, 8600 , for the six-year-old, Black bird Lass. Two others brought \$45 and $\$ 480$. At another sale of the sam
breed, on June 5th, from the herd of H. L. Cantine, at Queenby, Iowa, 3 head made an average price of $\$ 182$ three cows selling at $\$ 400$ to $\$ 500$ eac
gilead springs ponies.
Iceland, Welsh and Shetland ponies ar the specialty in the line of stock-breed-
ing at the Gilead Springs Stock Farm, the property of Mr. E. Dyment, Copehand seventeen head of the three breeds
and their crosses, ranging from ten to and their crosses, ranging from ten to
thirteen hands high, and, in color thirteen hands high, and, in color, grays
plebalds, skibalds and blecks; ell eges from the wee suckling up to matched pairs and singles. We know of no othe lection can be found than in this lot, and the large demand Mr. Dyment enjoys for the surplus stock shows that they are the kind the market demands. Within
the year, Mr. Dyment has shipped ponie to the far Northwest and to several points in the United States. All old enough are broken to harness, and guar anteed in every part kept on hand for
ness and carts are kon nesle. Write Mr. Dyment, to Copetown
sal P. O. Copetown is a station on the Hamilton-to-Brantford branch of the G
T. R., twelve miles west of Hamilton The annual meeting of the HoisteinFriesian Association of America was hel port of the Treasurer showed an income fo the year of $\$ 33,055.50$, and a balance $\$ 70,449.78$. The report of the Secre Cary, F. L. Houghton, Brattleboro, Vt
showed
registration of 16,534 animal during the year, and a balance turned
over to the over to the treasurer of $\$ 31,337.43$.
The membership increased during the last year by 360 accession, making a
total membersing total membership of 2,100 . The total
number of cattle
 year numbered 20,141 , a gain of 5,807
over last year's of nearly 20 per cent. The report of
the the Secretary of Advanced Registry
showed that 2,055 animals had been tered on records of butter-fat. The largest record during 1907 was that of
Colantha 4th's Johanna, which, for seven days reached 28.17 lbs., and her
year's test, 998.2 lbs. butter-fat.
Offlcers elected were: President, Hon. O. U.
Kellogg. Courtland, N. Y.; 1st ViceKellogg,
President,
$\qquad$ Registry, Malcolm H. Gardner, Delavan.
Wis. PREPOTENCY OF A HACKNEY SIRE. A Quebec correspondent furnishes some
interesting figures relating to the entries in the heavy-harness classes of the late,
Horse Show, at Montreal Horse Show, at Montreal, this spring.
"Thirty-one per cent. of all entries were the get of Hillhurst Sensation, a pure-
bred Hackney stallion, raised in the Province of Quebec, and standing now at
Simcoe, Ont. Forty-three per cent. of all prizewinners in heavy-harness classes firsts were his Fift. per cent. of all
cent. of all prizewinners in heavyty per
charness classes were Hackney crosses or pure-
breds; something of a showing for Hackneys, but one which I am sure is but
usual, if one could asual, if one could only know accurately.
Think what a showing for Sensation and
his prepotency, when we remember he
lives 500 miles from the She

 Avity, St. John, etc., etc. Horses taken
1,oo0 miles apart, and selected as they
were, thought they could win Sole
$\qquad$
$\qquad$
$\qquad$

GOSSIP
The Elmfeld herd of Large English Yorkshires, owned by Mr. G. B. Muma, of Ayr, Ont., as advertised in this issue stocked with young pigs, ready to wean, rom imported and Canadian-bred sows and sires, also young sows in pig, due to rrow in June ald Inspection will receive prompt attention.

Attention is called to the announce
ment columns of the dispersion sale, to
take place August 21st, of the noted take place August 21st, of the noted
lock of Southdown sheep belonging to
the Estate of the late Duke of Devonshire, at Eastbourne, Sussex. This is ne of the oldest and best flocks of the lass honors at principal shows in late years. Sheep imported from this flock
have been winners at leading shows in have been winners at leading shows in
Canada and the United States. The uctioneers, as stated in the advertisenent, will execute commissions.
the famous shire stallion Buscot Harold, the triple London cham pion, belonging to Sir Alex. Henderson,
of Buscot Park, Faringdon, Eng., died recently. He was foaled in Eng., died 1896 and
He was
in 1898 formed one of the famous BusIn 1898 formed one of the famous Buscot quartet which won the six champion
cups for Sir (then Mr.) Alex. Henderson. His sire, Markeaton Royal Harold was champion in 1897, but after winning he senior stallion cup in 1898, he was year-old son, Buscot Harold. Buscot Harold again won supreme honors in
1889 and 1900 , and thus holds the ecord with three championships, and
this, too, when he was but four years old. As a stud horse he was not so prominent, but still left many prize ani-
mals. His sire, Markeaton Royal development of the west. From the reports coming from and the
very point between Port Arthur and the Rocky Mountains, and from the boundary as far north as there is civilization, year, harvest the largest crop in history,
and from the hundreds of people who are daily going into the country is suff-
cient evidence of what the future will be cient evidence of what the future will be upon as offering unexcelled opportunities for the man with little capital, but a look at the people now going into the
West convinces one of the numbers of well-to-do Eastern farmers looking to wards that country to still better their conditions, and as the right place to
establish their sons in the business that is the backbone of this Dominion-name ly, agriculture.
For several years past, the months of April, May and June have recorded large
excursions of landseekers going West, but probably the largest excursion on record
left Toronto Tuesday afternoon, June Tert Toronto Tuesday afternoon, June
9th. Several tourist cars were added
to the regular C. P. R. train leaving to the regular C. P. R. train leaving
Toronto every day at 1.45 p . m., and besides a special train consisting of many
colonist and tourist cars went out. Car No. 6 of the C. P. R. train leaving Tomost capacity with landseekers going West under the management of the Land Department of the Union Trust Com
pany, Toronto, whose advertisement appany, Toronto, whose advertisement ap-
pears in this paper, to make their se-
thar oi Sorby, Guelph, ont, makee. offers for sale three Hackney mares of attractive quality and breeding. Write
him for particulars and price, him a call.

Messrs. Wm. Grainger \& Son, Londesboro, Ont., in sending in a change of advertisement of their Shorthorns, re
port the sale of the grand young bull Fisherman $=69872=$, by Aberdeen Hero (imp.). to the Megantic Agricultural
No. 1 Society No. 1 Society, P. Q., shipped on June
1st, and received word from the Secre Corners, that in. Campbell, of Campbell's shape, and that he was all that we represented him to be, and that he was
well pleased with him made by mail. The The This sale was are offering are a grand young heifers we right good milking cows and from

QUESTIONS AND ANSWERS Miscellaneous.

LUNA MOTH
1 am sending you a large moth which let me kne kne the its proper name and Ans.-This is the Luna moth the lerve of which feeds on hickory, walnut, birch beautiful, and in the city may often be found in large numbers about the electric
lights. It is not an insect thet occasion any alarm.
EFFECT OF LUMP JAW ON Is the milk of a Jersey cow suffering
from lump jaw fit for use after being put appears perfectly healthy; is an excelle milker. Lumps were partially cured by mixture prescribed by veterinary sur-
geon. They are now very hard. After
first. Girst applications, they sloughed very
freely, but now they just get raw after freely, but now they just get raw after
mixture is applied, and seem quite firm. Ans.-Putting the milk through the separator will do nothing to cleanse it
of disease germs that mas have gained acoess to it. However, we do not think there is the slightest chance of a cow
affected with this disease passing it on to the persons who might consume her milk. The meat of suck animals is considered safe to use alter the locally in lected portion is removed; only in gene
alized cases is it deemed advisable destroy the whole carcass. Nevertheless, the cow should be treated internally with
iodide of potassium, according to inodide of of potassium, according to in-
structions
frequently
given in these columns. (See page 1018, issue of June

> TRADE TOPICS.
the gasoline engine is fast growing in favor with farmers as a safe,
convenient and serviceable power for farm
quick $\begin{gathered}\text { purposes, } \\ \text { to } \\ \text { to }\end{gathered}$ smooth and steady in its working. The
terms and conditions on which the Champion" is sold are stated in the Wm. Gillespie, Toronto

HORSE BOOK FREE.-W. F. Young, P. D. F., 73 Monmouth St., Spring-
field, Mass., has recently issued a larger and more complete edition of his handy
eference book, "How to Remove reference
Blemishes,", book, " How to $\left.\begin{array}{c}\text { Remove }\end{array}\right]$ will be sent postpaid Blemishes," which will be sent postpail
to any address upon request. Thi
little book is full of "horsey "p pointer little book is full of "horsey "pointers
and information that can be used to ad vantage. Send a postal to day, ad-
dressed plainly as above, and the book dres

## all

 hish 1 caught were a proper big 'un, a The Inquiring Angler.-Indeed? Why
didn't you have it stuffed? 7


TWO RED BULLE 12 Months old


 - T. Glloson, Donfield, Ont.
seotoh shomothomen $=$ mita



Pleasant Valley Shorthorns

 GEO. AMOS \& SON, molfatt, Ont., Sth, i P.O.


## Farmers and Cattlemen Read 7 Yhis

 Donald Munve: Uvo-

 charge of oappoble attondanate for the
at anl the different Brition marte


## nex Maplo Lodga Stock Farin noes Four handome poung Eborthorn bull tor A. W. smith, maple Lodge, ontario.

Valley Home Shorthorns








 minnew mix

Maple Glen Holsteins

 ad. A . alim Lakeview Holsteins!



 W. DOEREGKon, Me..., BRONTE, ONT.


 C KENNEDY, KYr, Ont.
Special Offer ! Trow obro tolly brod eon of








" You made a mistake in your paper; Eaid the indiganant man, entering the
orial senctum of a dally jourral. Was one of the competitors at an athletic erred to me as the well-known light-
weight champion." "Well, are you weight champion.'" "Well, are you
not ?" enquired the sporting editor.
"No, I'm nothing of the kind !" was the angry response ; " and it's confound
doly awkward, because I'm a coal deal edly
er."


THE FARMER'S ADVOCATE

GOSSIP
 ing lot, a class of cattle that will al
ways prove a source of profit to the rdinary farmer. For sale are seventeo
eifers, from six months to two years age, got by the stock bull, Baron Brav $=59599=$, by Baron Cyprus (imp
choice lot of dual-purpose heifers.

Commenting on the exhibits at the Scottish National Exhibition, now being
held in Edinburgh, the North British held in Edinburga, the North British imposing display in the exhibition is that made by Canada. The Dominion wants
to attract the pick of the country-bred youth of both sexes, and she has taken less resources of that country brough play of her products. Misitors by the dis slected destiny to be "the granary of the Empire," every pillar in the build
ing is most tastefully draped with ear
of wheat, the effect of which is of wheat, the effect of which is very fine
Wheat, however, is but one of the prod Wheat, however, is but one of the prod-
ucts of Canada, and a full display of
Canadian products make a big show. Canadian products make a big show
The display of apples is exceptionally fine and all the other multitudinous exhibit,
furnish a most striking proof of the vas furnish a most striking proof of the vas
resources of the Dominion. Even big in this line include a huge "Grizzly," Which no traveller would care to mee
alive, unless he were well provided with reliable shooting irons. A very at
tractive and beautifully-illustrated book tractive and beautiruly-11tustrated book
setting forth the marvellous resources o
the country, is also free to every visitor
 dering a change in his advertisement I am in a better position this year Southdowns, as my flock never co
tained as many good ones, either fo tained as many good ones, either for
show or breeding purposes. The shear ling rams and ewes are a particulariy
good lot. sired by Imp. Babraha godge. The ram and ewe lambs are b
Hmp. Stetchworth Conqueror, the sire the grand champion wether over all
breeds at Chicago International. 1907.
Sales at breads at Chicago International, 1907
Sales for this season have just begur
T have to report a call from that keent
$\qquad$
$\qquad$ ram I ever owned, the Adeane-bre
Babraham Hodge. Frank wanted the
best that could be had for hin Col hesitated about a six-year-old, but, aft
looking around, concluded to take him Sales of collies have been most satisfal
tory, and while I have nothing in half.
grown dogs for sale, I can offer some grown dogs forthes and young pups at
good brood bitcsel
reasonable prices. far, I have only exhibited at New Yo
and Toronto, and at each show secur

## HOLSTEINS Wo mad bell at locit 88 If ordor th matho room  

## ToHead YourHerd Gantro and Hilliver Holstins <br> Why not buy Korndyle Lily Do Kol. Born   <br> E.\& F.Mallory, Frankford, Ont. 95 head to seleot froin. S5 in the <br>   

HILTON sTock FARM - Heletelms, of out offoring: Bome young oom in ilo 10


Evergreen Stock Farm For nalo: Ohoio
 Dricos and termeririt, Bundeeeville, Ont.

FOR BAKE, HOLSTMII and CYRSHIRE Only Bull Calves gan holerniv and GIe. RICE, Annandale Stock Farm, Tillsenburg, Ont
Maplo hill IIostoln-Frickans
The Maples Holstein Herd begord of merit cows.

Hoodod by Lord Wayne Meohthilde Calanitis Noo in the Beoord


## BRAMPTON JERSEYS



B. H. BULL \& SON, BRAMPTON, ONT.
W. Willis \& Sons, Pline Ridyor Farm:


 monthe old, Erandione of the Ereat Minanain


Stoneycroft Ayrshires
Choice young balls and heifers of the very best breeding, combining show and dairy quality. Ple from im Lerse Improved Vorkship
STONEYCROFT STOCK FARM, Ste. Anne de Bellevue, Que
Howglen Ayrshires!|STONEHOUSE AYRSHIRES For sale: 75 pare-bred registered Ayrshires, all
ges ; prisewinners ; many imported. Aply to
and ALLAN P, ELUE EUSTIS, QUEEEC AYRSHIRES! Bull and hififer calve日 from prodacing dams
Right good onee
Hickory
 On hand for salo:





SPRINGHILL AYRSHIRES!
better lot of young cows and heifers we never had. They
Dave only to be been to be apprecintod.
Deep millsers,
 They Order a choice yearling or bull calf or a female or two
Trices. be ont of quarantine for spring service. Write for
ROBERT HUNTER \& sOMas. ROBERT HUNTER \& SOMS,
MAXVILLE
MAT

Glenhurst Ayrshires Oldostonin blis hod
 and lamsia

## Burnside's Champion Ayrshires

 My 1907 importation of 75 head being aboat all disposed of It
am preparing to import again. Mr. And. Mitchell, the word


R. R. NESS, Howlck, Que.

[^2]JUNE 25, 1908

QUESTIOMS AND ANSWERS Miscellaneous.

A CLUMSY TEAMSTER
B has stable rented from D, opposite
which is a hollow brick wall owned by C. B purchases load of hay from A,
and
instruct
A to deliver same at and instructs A. in deliver same at
stable. A, in doing so, is alleged to
have shifted brick wall and knocked of have shifted brick wall and knocked off
three or four bricks. Who should pay for damage?
Ontario.
Ans.-A.
GRAVEL QUERIES

1. I have been reading, with interest,
your valuable paper about the best C.y to build a cement silo? Would you
please tell me what weight there is in please tell me what weight there is in a
cord of gravel ? 2. Is it necessary to take out the sand? Jcreen the gravel Ans.-1. It depends on the character of che metal composing the gravel, also the
uniformity or otherwise of the gravel particles. An admixture of fine and
coarse material weighs heavier than coarse material weighs heavier than
gravel of uniform dimensions. The varigravel of unitorm dimensions. The vari-
ation in specific gravity is such that no ation in specinc gravity is such that no even were we in possession of the data.
Investigations made in 1901 by Wm. E. Investigations made in 1901 by Wm. E.
McClintock, at Salem, Mass., indicated McClintock, at Salem, Mass., indicated weighed $1 \ddagger$ tons per cubic yard.
2. Not unless the sand be present it very large proportion, say, one half or
over. A small proportion of coarse sand is a distinct advantage.

YELLOW SWEET CLOVER garding writing for some information repart. On the 23 rad of March, 1907,
bought two bushels of bought two bushels of red clover seed
from a local seed merchant in the town of Strathroy. He claimed it had been
inspected, and had the Government stamp on it. I also bought alsike an
timothy seed from him the same day examined the seed with a glass which the merchant supplied; I could see
nothing wrong with it. After sowing nothing wrong with it. After sowing
the seed over twenty-five acres of land in two separate fields, I noticed last fall
a plant that was not red clover. I thought, at the time, it was alfalfa; but,
in comparing the two together, I found they were not alike. This spring I came to the conclusion that it was Mammoth
clover; but, since it has blossomed, I clover; but, since it has blossomed, I
think it is an abominable weed. I can only send you a small pieco-blosson,
stem and leaf. I think you will have n trouble to name it. The plant grew high and branching, coarse in the stalk, stable to-day eat it. One horse took some in his
mouth and let it out again. the in south and let it out again; the others very coarse, hard root. Please give
me as much information as you The Farmer's Advocate." Will it be hard to get rid of? I think it will.
Will it be safe to make hay of it, or
can I cure it I think there will be about one-tenth of the hay that stuff.
have twelve acres mixed with it. The other field I plowed up. R. H. S.
Ans.-The specimen submitted with th attached query is Yellow Melilot, or yellow sweet clover (Melilotus officinalis)
Its habit of growth, woody nature at maturity and its general appearance, ex-
cept for the color of the flower, is not dissimilar to the white sweet clover, s well-known throughout the Province of
Ontario. It is an annual or winter anOtario. It is an annual or winter an-
nual.
vent the plaur correspondent can prom going to seed by vent the plant from going to seed by
eary cutting, he should have very little
dififcult dificulty in exterminating it if he follows
Cut year with a hoed crop. It seems
enar to me that this is a case of wilCar to me that this is a case of wit
ful adulteration of red clover seed, but
it is probable that the mixing was done irevious to the seed being imported into
Canada. I would point out that there
is no Government in Canada that as is no Government in Canada that as-
sumes to inspect any seed until such time
as it is offered for sale in the trade for as it is offered for sale in the trade
the purpose of seeding. The Seed Con
trol Act then empowers seed inspector trol Act then empowers seed inspector
to inspect seeds. The sed in question
could not lawfully be represented and
cold
pold as No. ould not lawfully be represented and
old as No. 1 quality, but could not be
orohibited from sale for seding inas
nuch as the yellow sweet clover is not

THE FARMER'S ADVOCATE
aable to advise as to whether your
from the sed merchant any amount, be
cause of the damage done to his crop
through the admixt through the admixture of this yello
sweet clover.
G. H. CLARK. Ottawa. G. H. CLARK.
(Note.-We should judge it safe to mae should judge it would b
suggest that it of crop, and woul
it but early to suggest that it be cut early to prevent
its getting woody. Its being mixed
with the other clover improve its palatability as stock food.
Editor.

> POTATO SPRAYING.

1. What kind of a small hand sprayer
o you think is best for spraying po-

## 2. How much Paris green should

 put to a pail of water green should3. About how quarts)? 3. About how many hills should that
amount cover?
SUBSCRIBER Ans.-1. Select a sprayer that will not spraying. $\begin{aligned} & \text { Where ay; any sprinkling is considerable } \\ & \text { area is to be treated, say an acre or }\end{aligned}$
and more annually, it will pay to hire, or
if necessary, to purchase pump with, potato-sprase a regular spray attachment Such a pump may be mounted on a car and driven up and down the rows. Co siderable power (which may be generated
with a good hand pump) is necessary produce a fine mist, more particularly for the later applications, for which Bo 2. Half an ounce, providing it is tho
ughly mixed: otherwise quired. The proper way to mix Paria
green is to make a thin paste witre small quantity of water, then stir this
into the requisite quantity of water. into the requisite quantity of water.
4. That depends on the size of the vines and method of application. Where
a regular spray pump, with potato a regular spray pump, with potato-
spraying attachment, is used, it is es timated that two to four 40-gallon o the size of the vines.
GREASE.
A mare, nine years old, is affected with grease in both heels, very bad, so muc grape-warts on them, and they are raw half way to to the hocks, and smell ver ver
bad. What would you advise by the waty of treatment to remove it? Is it pos sible to affect a cure?
INEXPERIENCED SUBSCRIBER. Ans.-Prevention consists in feedin moderately of grain, allowing succulent
lood, such as grass, and exercising regularly when not working. Curativ ontaining 8 drams aloes and 2 dram $\begin{array}{lll}\text { Einger, following } & \text { up, after purgation } \\ \text { with } \\ \text { 1t } \\ \text { ounces } & \text { Fowler's solution }\end{array}$ arsexic, twice daily for a week. Loc
treatment consists in applying war poultices of linseed meal, with a litt powdered charcoal, every silx or seven
hours for a couple of days and nights,
and then applying, three times dall and then applying, three times daily,
otion of 1 ounce each of sulphate zinc and acetate of lead and 2 dram Wash. In the case of grapes, when the
abound, it is necessary to use the knite or actual cautery, followed by caustica
in which case a veterinarian shoul operate. mould Portland cement, laid on clay send would it require? How man
barrel of cement would it take for
 properly drained. A drier floor woul
be insured by laying, first, a bottom broken stone or cinders, well rammed
but for ordinary cellar purposes it is
hardly worth whilie.
2 and 3 . Sand is not the best material 2 and 3. Sand is not the best material
ouse. Moderately fine gravel is better
of this, mixed 5:1, a three-inch floor 80 square feet in area may be laid, with
one barrel of Portland cement; or, if th floor be made only two inches thick,
barrel will suffice for 120 square feet
On this basis it would require about 7 ,
barrels for a three-inch, or five barrel for a two-inch coat. If sand is used, if
should be as clean and coarse as pro should he as clean and coarse as pr
curable, and will require a large propo
tion of cernent; the finer the sand, th
$\qquad$

combiaminite solucived.



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columns in the columns regaruing ensiling
would it silage?
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was thinh
wat it in the silo. At At what stage of puth
is or
is the proper time for same, and ho soon attering cutting? Does it harm ar
with diww 2. Would you kindy adive whethe
rollers used on barn doors are in keneral use no
opened

## hinges such ro


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## BEST BOOKS ON ALL AGRICULTURAL SUBJECTS

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[^0]:    QUITE POSSIBLE Condescending Chappie.-
    wemember your name, but I've met you here before.
    Nervous Host.-Oh, yes

[^1]:    IMPORTED CLYDESDALES ${ }^{0}$, booror than in
    
    

    BIMCOE LODGE CLYDESDALES
    
    

    OAK PARK STOCK FARM HACKNEYS!
    25 Imported Chydeedale Stallions and Fillies 25
    
    

    Imported 1 have still on hand 1 stallion, black, rising 4, by Car-
    
    

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[^2]:    Wardend $\begin{gathered}\text { Present offering: } 1 \text { two-year } \\ \text { old. } z \text { yearling }\end{gathered}$
    SPRING EROOK AYegmipes are noted
    
     Ayrshires cho chice lot of spring calve from, good milkers. Fi. W. TAYLOR, Wellman's corners. ont

