

## THE "NORTHEY" PORTABLE

## Gasoline Thresting Engine


 ngly
etc.
the $m$
opste
doing
ashes
sona
with
on
on a
light
ano
and
idle
equi
equ
and
 The Thit what Mr. Robt. Darling, Stuartburn, Man. writes us: "I nave thoroughly tested Have run a 23 -inch circular saw, and it has wiven good gatisfaction and runs splendidy
1 cannot too much about the LITTLE GIANT, as I call it: it seems so neat and

SEND FOR ILLUSTRATED BOOKLET, WITH TESTIMONIALS FREE,
THE NORTHEY CO., LTD., 96'3 KING ST. SUBWAY, TORONTO. CAN.


BECAUSE
It will prevent Blackleg in cattle
It is ready for immediate use.
Every lot is tested by us upon animals.
No expensive outfit is required
Only the Syringe and Vaccine are nec.

## essary

Now is the time to vaccinate.
Supplies are readily obtainable
through druggists
Write for literature and further information

PARKE, DAVIS \& COMPANY,
MONTREAL. QUE. ALKERVILLE. ONT.

## rадое "BL ACKLEGINE"

PASTEUR BLACKLEG VACCINE in the form of an Impregnated Cord, ready for use as sold.)

No outfit. No mixing. No filtering. No injecting saves time and trouble; only one application.
 No. $2,(20$ doses), 2.50

OMPANY, 56 Fifth Ave., CHICAGO.
Prosso dismion itio Farmer's Advocate,


WOODSTOCK WIND-MOTOR CO.,

 Flemin's Lump Jaw Cure. Dont take chances
on a disease that always proves fatal if neblected.
Don't waste money on experiments; use the
 An cattle or horses.
Argyle, Ont., April 3rd, 19000 . of your Lump Jaw Cure. I got a bottle from you
last fall and it eave Price $\$ 2$, or three bottles for $\mathbf{\$ 5}$. At drug.
gist or sent by mail prepaid. Money promptly FREE OUr Illustrated Pamphlet to reader Room J, 58 Bay Street, TORONTO, Ont


Catalogue Printing Our Specialty.

[^0]WINDMILLS


Windmill Canadian Steel Airmotor (Galv.)


\(\left\{\begin{array}{l}Work,<br>Wear\end{array}\right.\)<br>tand \(\left\{\begin{array}{l}Wear an<br>Time\end{array}\right.\) A. minid ion io Ont. Wind Engine \& Pump Co.,
limited. TORONTO.
 Western Agricultural College RIDGETOWN, ONT Farmers' $\left.\begin{array}{l}\text { sons who are degirous of securing a good } \\ \text { practical training in HUSNESS METHOOS and }\end{array}\right)$ practical training in AL SCIENCE ARould tate a
in AGre in this college. Circular and information on
course course in this college. Circular and information on
application to
J. H. SMITH. M. A., PRIN.

THE ONTARIO BUSINESS COLLEGE, Bellevillo, Ont., is the most widely- attended
busineos collexe in Anerica.
Send for the 152 -page catalogue

ROBINSON \& JOHNSON, F.C.A.
BEAVER LINE.

Regular Weekly Service between Montreal
and Liverpool.


## 



## "The "Lake Superior" carr and steerage passengers only.

First Cabin-Single, $\$ 52.50$ and upwards;
Round Trip $\$ 100.00$ and upwards. Second cabi Single, $\$ 3.00$. Ronnd Trip, $\$ 66.98$ and $\$ 68.88$
according to steamer, location, and number persons in room. Steerage Aates number
pool, London, Londonderry, Glasgow, Belfast
polt
 ELDER, Dempster \& CO 6 st. Sacrament St., Montreal. Low, Wide-Tire Iron Wheels wåoำ


var farmer should have
a get for drawing hay,
grain, corn, etc. Are
lighter, stronger, and
ond

Dominion Wrought Iron Wheel Co., $\underset{\text { Brock Avenne. }}{\substack{11 \\ \hline}}$ IN O THIU TME $\mathbf{B E}$ UY $\mathbb{G}$


IN WRITING PLEASE MENTION FARMER'S ADVOCATE,

The Cr

## FUUNLALD 1886




Vol. XXXVI. WINNIPEG, MANITOBA, SEPTEMBER 5, 1901.
The Crops and Markets.
It will soon be time for the goodwife to cull
her poultry flock. Pen the culls for a few weeks,
feed well, and get the difference in price between
a first-class article and a third-class one..
Don't overfeed your horses because you have
lots of it. Green oats, if not careflly fed, will
demoralize your working force very easily. Keep
a half gallon of raw linsed oil on hand in case
of emergencies, and if necessary, give a pint and
a half or quart, and then call, your veterinarian
at ance. Delays are dangerous.
***
If you can afford it this fall, invest in a good
set of scales. If large enough to weigh a mature
animal, all the better. They will come useful in
two ways: to check up the elevator man and to
leep tab on your live stock, whether they are
making gains or not? If not, why not?

## Danger from Fires.

It seems to us a pity that there is a probablity of the farmer suffering from fires this fall, railroad companies. The great growth of weeds along the track, which are now about ripened, and consequently in a condition easily set on fire as well as the great amount of stubble, render chances of a big conflagration, which will mean cuin to many, very great. Along the main line of the C. P. R. west, up to the middle of August o efforts seem to have been made to ward off such disasters: the usual fire-guards have not been plowed, nor the space burned off between. While fre-guards are not made by the companies in Manitoba, the complaint still applies, as the weeds are not even cleaned out from near the ties. Farmers along the railroad will do well to lose a day's stacking and employ it making a track, but all around the farm. See to it also that a few barrels of water, and pails, are handy during the threshing period, so that any incipient

A Champion of the T. N. P. A.

Seasonable Precautions

The $H$ armer's Advocate

and Home Magazine.

thr leading agricultural journal in the dominton

Two Distinct Publications-Eastrinn and Wratrren
shibhed smyi monthly by
the william weld company (Limitrid).
Whetres Opfich:


Carling Strket, London, oky
London, england, ophict
w. Chapman, Agent, Fitzalan House

THE FARMER'S ADVOCATE is published on the fifth and twe tieth of each month illustrated with orignal nent of all diquaes or parties, handeome
proftable, practical and reliable informat ournishes the mor mor
parmers, dair proftable, practical and reliable intormation for farmers, dair
men, kardeners, and stockmen, of any publication in Canad
2. TERMS OF SUBSCRIPTION-\$1.00 per year in advance; $\$ 1.2$
it in arrears; sample copy free. Europaan subecriptions, 68
or 81.50 . Nw sumberiptions can commence with anv month.
ADVERTISING RATES-Single insert
Contract rates turnished on application.
4. DISCONTINUACES - Remember that the publigher must be notififed by letter or post-card when a subscriber wishes his paper
stopped. All arrearakes must be paid. Returning your paper
 THE ADVOCATE is sent to subbecribers until a a explicit order THE ADVOCATE is sent to subberibers until an explicit orde
is received tor its discontinuance. All payments of arrearage
must be made as required by law. muar be made
THE LAW IS, that all subscribers to newapapers are held
responsible ntiliall arrearageta are paid and their paper ordered
to be discontinued. to be discontinued.
REMITTANCES should be made direct to this offtce, either by
Rexistered Letter or Money Order, which will be Kenistered Letter or Money Order, which will
When made otherwise we cannot be responsible
ALWAYS GIVE THE NAME of the Post Office to which your paper ${ }_{i 8}^{18}$ don
THE DATE ON YOUR LABEL shows to what time your subecrip
10. SUBSCRBERES tailing to recelve their paper promptly and
11. NO ANON YMOUS communications or enquiriea will receive atten
tion.
12. LeTTERS intended for publication should be written on one sid
13. WE INVITE FARMERS to write us on any agricultural topic We are always pleased to receive practical articles. For puch
as weocosider valuabbe we will pay ten cente per inch printed
ander



14. ALL COMMUNICATIONS in reference to any matter connected
with this paper should be addressed as below, and not to any
individual connected with the pape Address - THE FARMER'S ADVOCATE, THF, WILLIAM WELD COMPANY (Limitrd),

Systematic Threshing (k),
$\qquad$

We take pleasure in presenting herewith por traits, from a recent photograph, of Their Royal York, whose arrival in Canada this month ranks in some respects as the most notable event of the year. Their visit is part of a tour of British dominions, and we are certain that nowhere else in the Empire will they have received a more cordial welcome. It is now some forty one years since the King, Edward VII, then the Prince of Wales, paid his personal respects to Canada (autumn of 1860 ), and if he received a hearty reception in those early,

atest poktraits of the duke and duchess of cornwall and york
modest days, we may predict a truly royal greet- Victoria; Toronto: London (London addresses onily,
ing to his son in days of expanding imperialism and Hamilton (Hamilton addresses only): Kingston; St deepening love for the motherland. George Freder. John; Halifax. $\begin{gathered}\text { 2. Addresses from cities or towns not mentioned }\end{gathered}$ (second son of the King, Albert Victor, Duke of in paragraph 1 should be presented at the "center Clarence, having died Jan. 14th, 1892), was born $\begin{gathered}\text { 3. Drafts of addresses for presentation to His } \\ \text { Royal Highness should reach the Governer }\end{gathered}$ Princess Victoria Mary Mard on July 6th, 1893, to General's Secretary, The Citadel, Quebec, by the issue a son Edward (in direct succession to the "center" it is proposed to present them. "t at which (hrone), born June 23rd, 1894; Albert, born Dec. 4. The deputation intending to pion

Ale A
P. Prince Arthur visited Canada in 1869, and th Princess Louise was here during the term her husband, the Marquis of Lorne, was Governo

Programme for the Royal Tour Major F.S. Maude, Secretary to the Governo? Citadel, Quebec, has issued the following instruction as to the presentation of addresses to Their Royal Highnesses the Duke and Duchess of Cornwall and York while in Canada:
Centers": Quebec: Montreal Montreal addresse aly) ; Ottawa; Winnipeg; Regina; Vancouver

September 5, 1901

Correction
.

Founded 18ces
ada in 1869, and the uring the term her

Royal Tour. ry to the Gove
ust 6 th, 1901 , ast
llowing instructions
esses to Their Royal esses to Their Royal
ness of Cornwall and
ited at the following Montreal addres


September 5, 1901
THE FARMER'S ADVOCATE

An Open Letter.

unworthy of confidence, and that its value as a
preventive against the importation or weeding
out of any diseased animals, or the propagation
of sound stock, is actually nil. of sound stock, is actually nil.
Canada and the States enjoy a discreditable pre-eminence in this business. Britain, which has
produced more and better pure-bred stock than
any other countries put together has fortu any other countries put together, has, fortu-
nately, not been led astray with this inoculation fad. The solid good sense of the Britisher has
saved him from being overridden by a veterinary caucus. To the credit of the English veterinaprove the test or moke marked disposition to ap-
have any compulsory, nor have any of them attempted to hold the Govern-
ment in leading-strings. And I am glad to say ment in leading-strings. And I am glad to say
that not a few of the more thoughtful men of the
profession in North America ried away in the delusive and costly pursuit of
an ignis fatuus which has landed breeders, people and governments in a quagmire, and accomplishIt has been frequently charged that the tubertion in pregnant animals, in consequence of the
influence which the lymph has upon the tissues.
i observe by an Quarantine Department, that breeders were warn-
ed, in studying the test, to see that ondy able tuberculin " be used, and Prof. Nocard, of owing to the danger that it may start the misChief arresh in a portion of the lung that was
healing. In view of these possible dangers, would
it not have been a proper and have set afoot scientific inquiry into these serious
questions before embarking on an unknown course, which, as we now know, has resulted in American breeders desire access to the herds Canadians, and prefer to trust their own experience and knowledge of good healthy animals, vith an unknown fluid. But they are prevented
from doing so, and trade is destroyed. Within
their own borders the test is not barrass them. Hence the Canadian Veterinary
Department is simply Department is simply made a tool of. Since
Canada was the first to impose the test, leading to its adoption by the United States, you, sir, The result of the investigations by Dr. Robert Koch, admittedly the highest living authority on invented tuberculin, though ho was not respon-
$\qquad$ intercommunicable, and that the precautions be abandoneded cattle may at once and for all that the people dying annually from consumption in Canada contracted it from our cattle, which tuberculosis is the rarest of occurrences, and the same is true of British herds. But for the unfor the cattle themselves. But your Chief Veter inary Officer appears to be laboring under the
hallucination that the breeders of this country and skill in every arena on the continent, are edge to conduct their own business. They cross
the Atlantic, select, at a cost of thousands of dollars, the best bred, most robust constitutioned and good conditioned animals to be found for the culack Censor puts about one third of them on the Need we wonder if the British stockman receives coldly your application to raise the embargo
against the admission of Canadian feeding cattle? either humanity or the animals been shown that which your Chief Veterinary officer has clung bencies some lawyer or physician whom the exi
course of events, but from an enlightened at the
$\qquad$
$\qquad$
$\qquad$
$\qquad$


A Winter Creamery for Assiniboia.
will be received from patrons of oflier cream-xpress charges, so that the patrons of outsidehe saving in cost of manufacture through thencreased output will compensate for the expense
of bringing in the creamm
The patrons of the various creameries withinreach of Qu'Apelle will be enabled to show how
far they are prepared to support winter work at

Grain and Live Stock in Canadian Northwest.

## a great improvement over that system which (ndian Head and Sintaluta Districts. crops every year. The bare fallow cleans the the from the car windows of the train on th land and in proportion as it doen it is heneficial.

$\qquad$
nor does it do anything toward increasing its few months will be pouring through the eleva-
supply of humus. The better and the more tors, which for many months in the year stand
frequently, therefore, that land is summer-fal. as silent indicators of the fact that in many
lowed, the more quickly will it wear out, unless sections of the West ." wheat is king." Indian
some renovating crop accompanies the summer- Head district is far famed as one of the most
fallow. Can such a renovating crop-be grown? successful wheat centers, and a drive through the
iallow. Can such a renovating crop be grown? successful wheat centers, and a drive through the
grown. Those best suited for the purpose may districts this year just as the grain was whiten
not be the same for all sections.
In the judgment of the writer, therefore, the Wherever the soil has been even half-decenty
Corthwest is how shall they maintain an equilib- with long, well-filled heads, many with six rows,
rium in the soil. The term equilibrium as used and full to the very tip. Oats strong and well
here is intended to apply to fertility, to humus, headed. Little barley is grown throughout this
to moisture, and to mechanical conditions gener- district. Most of the crops, except some badly
ally. The phase of this question that should first worked stubbles, are very clean and free fron
wore
receive attention relates to humus, and the grow- weeds. On some fallows the crop is too heavy,
ing of Brome grass in the rotation should go far. some of it having lodged, and consequently it
toward the solution of this question. When this will not yield in quantity or quality, while at the
toward the solution of this question. When this will not yield in quantity or quality, while at the
crop has been cut two years and pastured one, its same time requiring more labor to harvest. But
roots furnish humus in their decay. They prevent while many fields will yield well up to 40 -bushel
lands from drifting, and greatly increase their crops, there are too many that won t go the half
power to hold moisture. This has been admirably of that, and what is the reason? Simply be-
brought out in the experiments of Mr. A. Mackay, cause men are attempting to handle more land
brought out in the experiments of Mr. A. Mackay, cause men are attempting to handle more land
the Superintendent of the Government Farm at than they can properly work. Of course, last
Indian Head. The crop that shall bring fertility year's crop well-nigh crippled many, and there is


ATHELSTANE'S CHARMER AND HETFER CALF BY King Kymar

## eptember 5, 1

## Bradwardine District


by for the best ram any age. Pigs were a ver ar show, , whit Anderson and D. A. Robertson capturing the prizes in Berkshires. D. A. Henderson won the ploma ribbon of the S. \& S. B. A on his boar In grains and vegetables competition was keen,
ome very good specimens being shown Dairy products brought out several exhibits of butter. he winners being E. W. McConnell, Mrs. II Leary, Jos. Kirk, Miss L. Templeton, and S.
Smith. Cheese, homemade, was exhibited by Mrs. . M. Whson. The bread and pastry specials

## The Grain Standards.

The General Inspection Act defines the grades SPRING WHEAT
" Extra Manitoba hard wheat shall weigh not plump, sound, and well cleaned, and shall contain hot less than eighty-five per cent. of hard Red ./ No. 1 Manitoba hard wheat shall be plump, sound and well cleaned, weighing not less than sixty pounds to the bushel, and shall be com-
posed of at least seventy-five per cent. of hard Red Fife wheat. White Fife wheat shall be sound and well cleaned, weighing not less than sixty pounds to the bushel, and shall be composed of wheat, and shall not contain more than twentyfive per cent, of soft wheat,
"No. 1 Manitoba Northern wheat shall be sound and well cleaned, weighing not less than
sixty pounds to the bushel, and shall be composed of at least sixty per cent. of hard Red Fife "No. 2 Manitoba Northern wheat shall te sound and reasonably clean, of good milling
qualities and fit for warehousing, weighing not qualities and fit for warehousing, weighing not
less than fifty-eight pounds to the bushel, and shall be composed of at least forty-five per cent. of hard Red Fife wheat. No. 2 Manitoba Northern, shall be graded No. 3 Manitoba Northern in the discretion of the inpector. Scoured wheat shall not be graded higher than No. 3 Manitoba Northern. onsist wholly of wheat grown in Manitoba, the Onsist wholly of wheat grown in Manitoba, the Fort William, on Lake Superior. " No. 1 oats shall be sound, plump, clean and No. 2 oats shall be sound, reasonably clean, and reasonably free from other grain.
No 3 oats shall be sound, but not clean enough to be graded as No. 2 . damp, unsound, dirty, or from any other catuse BARLEY.
ball be plump, bright, sount clean and free from other grain. sound, but not bright and plump enough to be raded as No. 1, and shall be reasonably forty-
from other grain, and weigh not less than forty
eight pounds to the bushel.

ORD BINFF, ASCOTT MAYFLOTER, LADY WATERLOO B EMPRESS 12 th

Hamiota Fair
No. 3 barley shall include shrunken or otherWise slightly damaged barley, weighing not less " No. 4 barley shall include barley equal to
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Kegina Fair.

The annual exhitition at Regma was held on August 13 th and 14 th , and was the most sun-
cesstuil yet held the large attendance reminding cesstul yet held, the large attendance reminding
one of the Territorial Fair of 1895 . A horse and one of the Territorial Fair of 1895. A horse and
cattle barn has been erected this year, at a cost of over $\$ 700$. The number of entries exceeded by several hundreds those of former years. The fair was opened by His Honor Lieut.-Governor Forget. The Mounted Police furnished a first-rate pro-
granme of sports, and there were some very ingranme of sports, and there were some very in-
teresting races. In the main building, a fine exhibit of roots and vegetables was the principal feature. The competition throughout was keen, and really excellent specimens were shown. The flower exhibit was also most attractive. The prizes in the vegetabe class were prety well dis-
tributed among the following: Wm. Cook, P. Copsey, Regina; D. A. Purdy, Lumsden
Rice, Pense, the Indian Industrial School, and a few others, In small fruits, of which the exhititit
was most creditable. Mrs. D. A. W. McInnis, G. was most creditable, Mrs. D. A. W. McInnis, Spring Rice, Neil
prominent winmers.
Owing to the prize cards being attached to wre exn on them, it was names of exhibitors any information regarding the entries, and it also detracts greatly from public interest, as people
like to know who the winners are. This can like to know who remedied, and in future we hope will be There were only a few entries of threshed grain, but a fair number of exhibits of grain in the
sheaf. The Governuent noxious weed tent, with Superintendent Willing in charge, was very large1y patronized, and samples of nearly every weed
troublesome in the Territorizs were exhibited, and information given regarding them. A disappointingly small exhibit of dairv produce was made, Mrs. J. C. Pope and Mrs. H. Anticknap being the largest and most successful competitors. The poultry exhibit was fair. W. Anderson, Brandon, Barred and Buff Plymouth Rocks: A Peacy Barred Rocks ; W. Clancy, Leghorns; Mrs. J. C Pope, Bronze turkeys; and His Honor A. E. Forget was also an exhibitor of turkeys and Belgian hares. The horses were judged by S. R.
Edwards, Indian Head, who pronounced the class Edwards, Mndian Head, who pronouncea the class In draft registered stallions, Robt. Kimnon's Clydesdale, Glenfarg, unbeaten at this show for the past, 3 or 4 years, had to take second place
to the drafter Shire, Rising Sun, shown ly Mcto the draftier Shire, Rising Sun, shown ty Mc-
Laughlin, of High River, Alta. Mutch Bros., Laughlin, of High River, Alta. Mutch Bros.,
Lumsden, won in the 3-year-old stallion class, with Prince Stanley, Neil Martin, Wascana, Evtting the second, with Prime Minister. In the
female and junior draft and general purpose sec tions, Mutch Bros., N. Martin, John Godson, Robert Kinnon, Norman McKell, J. E. Armstrong
and others were the principal winners, and the and others were the principal winners, and the
stuff shown was of good quality, and most of it in creditable shape. In the light horse class, the quality was not on the whole particularly worthy.
Jas. Churchill and John Forrester had forward Standard-bred stallions. Thos. Brown won on
pair roadsters: John Godson on carriage pir pair roadsters; John Godson on carriage pair;
F. G. Arnold on single driver, and Mrs. H. ©. Lawson on saddler. of the Minmesota Agricultural College. in his
usual thorough and satisfactory manner. There were very iew pare-bred catcie out, owing, doubtless, to the proximity of the harvest, born buli
Hawkes won first in the aged Shorthor class, with a straight-lined, good-quality roan;
C. Martin, second. In two-year-olds, Meadows \&
Shera. of Hedmerind Stera, of Hednesford, won, with Oxford Boy,
straight-lined, with good back and level quarters and shown in good fit. Hugh Ar cow M. W. Coulton, Regina, had out the only bull in stein classes were fairly well filled. In the latter, from the Manitoba fair circuit with his herd, and
took the prizes without competition. He also thire most of the prizes in - Workshire and Berk-
shine ; the Indian Industrial School and


The prize list was rather defective in conveying conducted and a wards given.
tered in the competition were eventually barred owing to ignorance on their part of the hour set the hour been mentioned in the prize list, instead of being set the first morning of the Exhibition
no misunderstanding would have occurred.
it would be well to be continued another year, it would be well to have the prize list contain
full particulars of what is required of the comfull particulars of what is required of the com-
petitors, such as setting the hour to have all cows milked out, the hour milking is to be done at afterwards, and how many times a day they are to be milked. No confusion should then result. instructive and encouraging to both competitors instructive and encouraging to both competitors
and outsiders, in allotting the awards, to take into consideration the solids not fat (S. N. F.).
as well as the fat; scoring by points, allowing, as well as the fat, scoring oy points, allowig.
say, 20 points for ach 1 b . of fat, 5 points for
each 1 b . S. N. F., and 1 point for every 5 lbs . each lb. S. N. F., and 1 point for every 5 lbs
of milk given. The value of a cow is not wholly based on the fat content of her milk, although S. N. F, more particularly in cheesemaking, is
of considerable value. This will be easily understood when the fact is known that, roughly speaking, one-third of the composition of cheese
is casein. way to show, as far as practicable with a few
milkings, the value of the animal, and also to be

Large Farms and Their Management. THE FRASER FARM, EDEN, MAN. Located in Rosedale Municipality, some 10
miles north of the thriving town of Neepawa, is the farm of Donald Fraser, whose land holdings here and fur ther north are quite extensive. The
farmstead is located on the edge of a small creek, which furnishes water for the stock, and is well sheltered by groves of trees, most of which
were planted by the owner. The house nestles in were planted by the owner. The house nestles in
the trees, embowered in which are crab-apple trees (Transcendant), native and cultivated plum trees, all of which were bearing at the time of our visit. Given proper shelter, the fruit problem The soil of the farm is a heavy loam, noted in grain. There is in all 640 acres, 325 being in
wheat, 120 in oats, 8 acres in barley. Summerfallowing this year is being done on 160 acres, the land being plowed once and cultivated with
the spring-tooth and drag harrow as often as the the spring-tooth and drag harrow as often as the
weeds demand. A rotation of crops is in force as follows: 2 crops of wheat, 1 of oats, 1 -year falafter frozen up: the rankness of the crop suc-
ceeding, liable applied to the summer-fallow, is thus avoided. A small area has been sown. with
Brome grass this season. Eighteen horses land being reserved for pasturage. Plowing is done with four-horse gangs, and as much as pos-
sible done every fall, fall plowing being preferred. the seeder, 4 horses being hitched to each im-
plement, 6 sections of harrows being drawn The owner favors rolling ahead of the seeder, and
the use of the weeder after the drill. In harvest




 passages behind the stalls are wide enough

At What Age Should Sows be Bred? As the prospect for plenty of rough feed is so good, and the price for pork also quite remuner-
ative, the farmer will look about him for feeding stock. The outlook is not very good for bargains in young pigs, so that it will be more profitable provided the farmer understards the management of brood sows, to breed his own feeding stockso that the young sows will need to be used for the purpose The query following will naturally accompanies it: At what age should young sows be bred from?
This is a problem that has very often been discussed by pig breeders, and it is one about which breeders do not approve of having their sows served until they are quite twelve months of age,
on the ground that if bred from at an earlier age,
the young pigs produced are not as robust as those from a more mature sow, nor is the sow
herself so "lasting " or so fruitiul afterwards these arguments to hold good. We have seen these arguments to hold good. We have seen of age, and never with any injurious consequences,
so far as either the sows or their voung were concerned. Only within the past few weeks we had
an opportunity of inspecting several sows which were nursing splendid litters of young pigs,
though the dams were still under twelve mond of age. One great objection urged against young
sows is that they are not so good in their temp sows is that they are not so good in their temp-
ers, and that they are more liable to kill their young when bred from at too early an age than
if allowed to become more mature before beine if allowed to become more mature before being
put to the boar. As against this, however, there is the substantial loss of time which occurs if pigs are allowed to reach the age of twelve months before being bred from. One point det eight or nine months age it is from, say visable to put them to a mature boar in preference to one of their own age. Use the best boar
you can get, and one of the up-to-date bacon

A Cheesemaker on the Stand With four or five vats of overripe milk, it is
not easy to make first-class prizewinning cheese Our biggest drawback is having to draw our ber send their cream to the butter factory, wantcare must be exercised in for calves: The utmost milk, not to accept any tainted weighing-1n of the In some cases we make up the second-class milk or. We find we get the best satisfaction by set degrees, until acid begins to develop, then cook
o 98 degrees. By so doing, your curd is sure
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Cheese at Buffalo scored extra well, considering

Indian Hea Government loc
Indian Head, on
tarm consisting farm, consisting cered with mives of
with avenues of
Superintendent's Superintendent's
are most charm urees, shrubs an roundings canno
pressionable, and



$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ spelt showed weak straw and was lodging, but looks like a good fodder plant. The corn crop is
the best ever grown at this station. There are
nine acres in this. crop, and one well-sheltered nine acres in this, crop, and one well-sheltered
plot will yield a big cut of fodder. The Leaming is showing up well this vear. The cultivate grasses had been harvested and had yielded heav-
ily, one plot native rye grass (Agropyrum ten-
$\qquad$

Fruit and Crops in Morden District.
One of the most successful wheat conters in the Province. For over twenty years this district quality, and has been pecuilarly free from frost.s and other mishaps. The soil is mostly a warm
$\qquad$
$\qquad$
duction, is begimning to tell, and that a more in-
telligent system must be adopted. The soil must be re-supplied with humus, which has evidently
Te never know
We have see

Indian Head Experimental Farm.



BORDER LEICESTER
Shearling rain. First prize and champion of the breed at the H. \& A.S. Show, Inverness, and Royal Northern
$\qquad$
$\qquad$

irst-prize yearlink and sweeptakes Trmiorth boa
Winnipeg Industrial.

## THE FARMER'S ADVOCATE



The Hamiota Country
$\qquad$ lill and valley, sloughs and bluff make ip a kaleidoscopic in its effects, while the sloughs ome of them is rathered-flying duck. Around arme. As one gets to the edges of the bluffs ond
wheat. felds the to the Wheat fields, the whir of a disturbed covey of
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$rectables and small fruitsummer-fallow is being made; at one farm
$\qquad$

## Advertising and Selling Stock

 stock, kept in good condition, especially those one wishes to dispose of, is by judicious advertisingwith to let it be known that one has such for sale There are two principal methods of advertising pure bred stock. One is to show representative
specimens of one's herd or flock at the fairs, tak specimens of one's herd or flock at the fairs, tak-
ing chances of winning a share of the prizes, thus securing attention and more or less publicity, according to the character of the exhibition at which one competes. If it is a show of provincial
importance, the stock may be seen by visitors importance, the stock may be seen by visitors
from a comparatively large territory, and if prizes are won, the list being published by the more enterprising papers, a more or less wide circulation
may be given to the standing of the stock competing. The successful exhibitor may win suificient in prize money to pay the expense of preparing his stock and placing it on exhibition, and
if very successful may win more than that. The unsuccessful gain some knowledge from experience and observation, and, profiting by this, may make
a better record later on. In the interest of the breed, and that means the interest of the breeders, it is desirable that a strong representation
be brought out to the fairs, for there is no doubt
that the visiting public fudge of the comparative that the visiting public judge of the comparative
popularity and usefulness of the several breeds largely by the number and character of the ex-
hibits in each, and for this reason loyalty to breed of his choice and his interest in the dissemination of that breed should be an incitement good enough to be creditable to himself and the breed. While, therefore, we hold that breeders
should, in their own and the country's interest,
sustain the fairs by sustain the fairs by exhibiting, we just as strongly contend that the show-yard is not the
best place to sell breeding stock in the best breeding condition. Stock in that condition taken to
the fairs compares badly with highly-fitted animals, and is not likely to be estimated at its true
value by intending purchasers. For this reason we find a very much smaller number of animats taken to the fairs for sale than formerly, though,
as a rule, more carefully selected and fitted, breeders more and more availing themselves of the adiournals to inform farmers and breeders of what they have for sale. And this is the medium which at all seasons of the year, over a vast territory extending as widely as the circulation of the
paper, brings a man's stock to the notice of just the class of men most likely to want what he has
to sell. Many of the importers and breeders whe have been among the most successful in making
sales of their stock, and a reputation for themselves, do not exhibit, some of them, indeed, neve
having done so, and yet have found no lack
buyers. Their business has grown into larg buyers. Their business ing from judicious advertising, but also to a co homes by men who have noticed their advertise-
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Geptember 5, ismi
The Canadian Much of the benefit of advertising may be lost
through indiference in the wording of the an-
nouncement, or by failure to order changes necesnouncement, or by failure to order changes nece sary to make it attractive and scasonable an
keep it up to date Carelessness and lack
promptness, too, in answering correspondence promptness, too, in answering correspondence often accountable for failure to reap the best
turns from advertising. When an enquiy ceived it should be carefully read, and the is on which information is asked noted in order that they may be all covered as explicitly in the answer as can reasonably be expected, the description and breeding being fairly and clearly
stated. As the enquirer in many instances thas stated. As the enquirer in many instances ha
little idea of the location of the advertiser, it nearly as make this clear in the advertisement a
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ ecently returned visit in Great Brit. Dominion Experime the restrictions pla importation of catt kets: 3 rd , to disc
Canada for army to discuss some ma
and trade-marks w thorities in Englan Exhibition and ins there which were p onne to meet with

$$
\begin{aligned}
& \text { So that the buyer may know just what the animal } \\
& \text { will cost him at his own station, business may be } \\
& \text { much facilitated. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { much facilitated. To a Canadian breeder a copy } \\
& \text { of the Canadian Almanac, which contains besido }
\end{aligned}
$$

$$
\begin{aligned}
& \text { of the Canadian Almanac, which contains, besides } \\
& \text { much other useful information, a list of all }
\end{aligned}
$$

$$
\begin{aligned}
& \text { much other useful information, a list of all the } \\
& \text { post offices in the Dominion, and the nearest rail- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { post offices in the Dominion, and the nearest rail- } \\
& \text { way station, will be found to be very convenient } \\
& \text { and heloful. }
\end{aligned}
$$

and helpful. Care and attention to shipping

$$
\begin{aligned}
& \text { stock comfortably and in good condition, in order } \\
& \text { that the animals make a good impression on ar. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { that the animals make a good impression on ar. } \\
& \text { rival at their destination, is also important, as }
\end{aligned}
$$

$$
\begin{aligned}
& \text { first impressions count for a good deal. In the } \\
& \text { case of cattle. the furnis }
\end{aligned}
$$

$$
\begin{aligned}
& \text { case of cattle, the furnishing of good halters, and } \\
& \text { plenty of feed and bedding for the trip, and in the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { case of sheep or pigs shipped in crates, washing } \\
& \text { and trimming previous to shipping, and neatness. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { and trimming previous to shipping, and neatness, } \\
& \text { with lightness and strength in the crates, and the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { We figh and strength in the crates, and the } \\
& \text { use of an address card or tag having the printed } \\
& \text { address of the hreeder }
\end{aligned}
$$

$$
\begin{aligned}
& \text { use of an address card or tag having the printed } \\
& \text { address of the breeder on it, are all details which } \\
& \text { indicate business methods }
\end{aligned}
$$

$$
\begin{aligned}
& \text { indicate business methods and go to make a } \\
& \text { favorable impression, which will be found to pay }
\end{aligned}
$$

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

An Imputation Resented.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ ucts; 7 th , to induc lims to .mprove
$\qquad$

September 5, 1901
The Canadian Minister of Agriculture Abroad.

correspondent of the " Farmer's Advocate " lately threw out a hint that it would be desirable, from only (which sells at a lower price), and thus exclude our fattened cattle, which now go forward Glasgow. If John Bull is wise he will tave and hint from the "Farmer's Advocate" and never at tempt any game of that sort, and Mr. Fisher will do well to see that the present privilege is re-
tained and the facilities improved. Nowhere in tained and the facilities improved. Nowhere in
the world is the dressed-beef business carried on the world is the dressed-beef business carried on thousands of their very best cattle alive to England every year. If there were as much or more money in shipping them as dressed meat, would in the habit of doing that sort of thing is not we have practically no export trade in dressed beef. Let us not drop a real substance for an un-

## Successful Hog Feeding

litter of eleven day of Feb., 1901, we had
lived and grew to an average weicht of eight a 206 lbs The breed Yorkshire and Cheshire cross, which are large, lengthy hogs, with strong about four weeks we had a place fixed so the

am could not get at, and by six weeks old they
went right on and scarcely missed their mother
We fed skimmed milk and shorts until about
Che first of May, or till the pigs were about twd
chop (ground fine) and whey. They were fed six
ip clean. We watched that they ate up every
thing clean. If some was left we slacked the feed their shorts or chop in their troughs dry, and put their drink on it every feed. During the cold
weather, when they could not go out, we gave
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Bow Park. He buys only first-class hogs, a pays first-class prices. We received $\$ 7.25$ per 10
lbs.
LEMUEL KELIY \&

Points About Pork Production irowing pigs need plenty of exercise Feed to make mu reveeding beases is better than curing them A breeding boar should not be kept fat
With growing pigs more grass or clover mean Individual merit is as
essential as pedigree in It is the pig
ing gluttoned that is kept growing without The pigs to be castay that pays best.
soon as they are old enough to handle
Sows that are expected to farrow an autumn litter of pigs should not be allowed to get poor. Economy of pork production is to maintain good health with early maturity.

An important item in making cheap pork is to the pigs to market as soon as possible.
Feed the sows after farrowing upon foods cal culated to produce a large flow of milk.
Growing pigs relish sweet and wholesome food There is no objection to is sour
There is no objection to making corn the staple food for hogs. The bad results come from makit the only food
The success of a young sow with her first litter The first litter is always the hir
young sow ; hence she should hardest draft on The time of ; heance she should be given a rest. on the conditions of the sow and the quantity of the milk she gives.
he sow should be weaned so far as possible ion before being bred in a good gaining condiSupply the pig with clean, fresh water in hot weather, and plenty of green feed if the grass is
dry in summer, and with roots in winter Keep a good supply of ashes-three parts, and salt one part-where the pigs can have access to it. Burn up wood into charcoal, and allow the pigs to eat it, as they will do with a relish. The for some purposes, and are much healthier when supplied with it

## A Model Ontario Silo.

We present on this page an engraving mad rom a photograph of the circular cement concret ilo built this summer on the farm of Mr. George Lethwaite, of Huron County, Ontario. The silo is arrels of Beaver Portland cement. The wuired 3 done by Mr. A. E. Hodgert, of Exeter, and occupied the time of four men $8 \frac{1}{2}$ days in building it. Th cement was mixed in a Hodgert mixer, one part
cement to 12 parts sand and gravel. Steel rings were used, 14 feet in diameter by $2 \downarrow$ feet high. The ement was placed in the first ring, and then second one was placed on top and filled while the first was setting. As soon as the second ring was
filled, the first one was unbolted and hoisted by our men with ropes. Doors were put in every eet; size of doors, $2 \frac{1}{2}$ feet wide by 3 feet high. The holes for the doors were made by inserting a wooden rame, until the cement set, and on the inner side of largest so that when the doors are put in they will be flush with the surface. The roof is to be of gal vanized iron. The cement cost at Goderich $\$ 3 \mathrm{j}$ per

Fat Cattle and Sheep in Algoma A valued subscriber of the Farmer's Advocate,
near Iron Bridge, Algoma, Ont writes if something cannot be done for the farmers of that locality, who have lots of fat cattle and sheep to sell, but no buyers to take them: The latter, he says, come as far as Thessalon, where they get the impression that there is nothing worth going good fat cattle could be got there now. Algoma is a particularly fine district for stock raising. Some of the Toronto or other dealers who have local
 Iron Bridge feeders. We trust they will the buyers at remunerative prices for their stock at n early date

Assiniboia Horticultural Societ

Practical Lessons from the Tuberculosis Discussion.
 of disease among cattle. The test is not needed
for that purpose. It has been stated that Dr. Koch, in his dec-
laration as to the non-transmissibility of tuberlaration as to the non-transmissibluty on tuber
culosis from man to animals and from animals ty
man, has really attacked his own science, but this man, has really attacked his own science. but this composed of valuable pedigree animals that are
is not strictly correct. His discovery of the tuber-- charefuly bred and reared, are, we believe very
年 cle bacillus, upon which all the modern methods of healthy. They are out in the open air hall the
dealing sheds are frequenty disintected and
duberculosis in human beings have yeare then of all the cobwebs which shelter disease

been buit up, was followed, some yans a curg

magnify the prevalence of the disease in cattle Dr. Koch puts heredity and transmission from sider it necessary to take any measures against sider it necessary to take any measures against course, he did not make that declaration without preceded it, and of which he suggested a repe tition elsewhere, beeng indeed such that Lord
Lister admitted that he had established part of Lister admitted that he had established part of tuberculosis to animals. The other branch of the case is in dispute, and will probably remain so
for many years, but Dr. Koch's pronouncement against it must have some considerable influence, as there is an absence of direct evidence to jus-
tify the suspicions that have grown up. Few would object to adequate measures being
adopted to safeguard the soundness and purity of the meat and milk supply, quite apart from the question of the transmissibility of this parto secure efficient inspection, and to avoid the unnecessary destruction of wholesome food, as
also to apportion the losses from seizures and to introduce the principle of compensation for meat
destroyed in the public interest : but the agitadestroyed in the public interest, but the agita-
tion for better inspection will make progress, and capricious condemnations will become more rare. will be increasingly felt in a more reasonable
administration of the laws for regulating the purity of food. Some vexatious provisions demanded
by local authorities will now have less chance of by local authorities will now have a few of those
being conceded than ever, and
already granted may with advantage be revised. On the whole, however, the public are not likely to consent to the withdrawal of safeguards in
this direction. As regards the disease in cattle, there was a
good deal of alarmist talk at the Coligress, and
no doubt there would have been more if it had
not been for Dr. Koch's intervention. Certainly it would be a great relief to cattle owners to know that their stock cannot transmit this
scourge to the human race, and it seems strange that during all the years of controversy the
veterinary profession do not seem to have systematically experimented on the lines carried out Professor Bang, of Copenhagen, mentioned that he had proved that there was very little danger
in inoculating cattle from man. We are sure that the veterinary profession would welcome as much
as the owners of live stock the establishment of the theory of the non-transmissibility of this
disease from animals to man. This would relieve disease from animals to man. This would relieve do not directly touch upon the branch of study in which they are unive
If tuberculosis in cattle were to be treated as
disease of animals, much more rapid progress disease of animals, much more rapid progress would be made with its extermination than has
$\square$
test. The slaughter of cows that took place when
pleuro-pneumonia was being stamped out revealed
the fact that tuberculosis prevailed to a con-
siderable extent among animals in town cow-
sheds, while, according to these post-mortem ex-stroy any visibly amected of public money in to these sheds
compensating the owners for their loss.
Che milch cows have tuberculosed udders. Could
 and $\qquad$

Dairy Test at the Pan-American. REPORT OF THE MODEL DAIRY AT THE PAN-AMERICAN EXI
SITION, GINING TOTALS OF EACH HERD COMPLETE
FROM THE COMMENCEMENT OF THE TEST.

| Bremd. | $\underset{\text { lbs. }}{\substack{y \\ 1 \\ \text { Ibs. }}}$ |  |  |  | L |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Guernseys | 17750.7 | 916.97 | \$22923 | 881.91 | \$147.6 |
| Jerseys | 17082.9 | 883.5 | 220.87 | 79.74 | 141.13 |
| Ayrahires. | 21106.0 | 889.33 | 222.32 | 81.93 | 110.39 |
| Holsteins | 24099.1 | 887.45 | 221.85 | 91.61 | 130.24 |
| Red Polls | 18866.7 | 84.05 | 211.01 | 8261 | 128.40 |
| Brown Swiss | 20040.1 | 826.87 | 206.70 | 89.60 | 117.10 |
| Shorthorns. | 20312.9 | 811.43 | 202.55 | 93.89 | 108.96 |
| French-Canadian | 16061.4 | 714.11 | 178.52 | 69.71 | 108.82 |
| Polled Jerseys | 13027.5 | 691.72 | 17292 | 64.18 | 108.74 |
| Dutch Belted. | 152529 | 587.35 | 147.58 | 76.72 | 70.86 |

REport of the model datry at the fan-american f
fosition for the week ending august 13, 1901.


Butter Tests and Milking Trials at Tring Show
The annual one-day show at Tring, on the estate of Lord Rothschid, is regarded as one of the most interesting events of the sort in Eng.
land. The show was held this year on August Sth, the entries numbering 854. Judged by inspection, Jolly Brown, the first-prize Jersey cow at
the Royal Show at Cadriff, had to take fourth the Royal Tring.

and milking trials the results of the butter test competing gipem Nomen | 10 |
| :---: |
| 10 |
| 10 |



## After an abnor

 busy harvesting.heavy thundersto the country. This greatly facilitated grass. I saw some
very high land in muir to-day, and $t$ heart into the buy uture of this trad last year, but it is
than it was a mon
South, and Englis ppreciable exten are, however, doin absence, and price parties. They are
year's rates, and
ant expect a bright heavy head, but elf-binders are year for the self-bi and not too heavy
The autumn so of all kinds of lear point, was the Con n London. tuberculin and th The great event Dr. Koch's startl
uberculosis and ame disease ; tha from animals to xaggerate the co mexpected delive subject, and no on For one thing, if thesis, the alarms subside, and saner
munities. Dr. K current ideas, and that much restric revised, and not a interest will be mi an accurate repre of accurate and in where recognized, and in the end we parties for anythir conclusive charact ance has been to $m$ naintain that the loubt the German gether, he had a co
of 1901 adjourned f 1901 adjourne pecial or making lso met in Edinb inds of subjects h is in London. Th ar has come from malysis of Koch's 1 18 in no doubt as t. vhich local author oo on, as it has m he sanitary condi uccessful dairying ffort to put milk and rest assured rotection against When the Hon. ull information to of cattle in Canada act that there is $n$ atte. The partic vorking up an ag rom over the sea of the movement When a meeting of
ceding districts, rusts of Glasgo Canadian ship-ow neeting. Lord een organizedby Authority of the spoke are well kno they rather anadian stores. Readers of this what prospect th
modified to meet would be folly for of $189 \%$ will be admitted that Ca and that the $r$ morrow so far as
lifficulty is that
,




$\qquad$

 81
$\qquad$
$\qquad$

: Trials at Tring, on the
arded as one of year on August
idged by inspec Jersey cow at
to take fourch the butter test
and Shorthorns
September 5, 1901
THE FARMER'S ADVOCATE

Our Scottish Letter.
After an abnormally dry season, farmers are now
isy harvesting. The weather has broken and heavy thunders heavy tunnderstorms have been general throughout
the country. This has retarded harvest work, but greatly facilitated the growth of the root crops and grass. Asiaw some magnificent fields of turnips on muir to-day and the rain has come in time to put heart into the buyers at the store-lamb sales. The future of this trade may not be as bright as it was last year, but is certainly ever so much brighter
than it was a month ago. Foggage is scarce in the South, and English buyers are not operating to any appreciable extent at the sales. Scottish buyers
are, however, doing their best to make up for their absence, and prices are going the right way for all pear's rates, and in no case can the flockmaster expect a bright year. The grain crops have a
heavy head, but straw is bulking poorly, and the heavy head, but straw is bulking poorly, and the
self-binders are at work everywhere. Had the rains and storms kept away, this would have been an ideal
year for the self-binder, the straw standing well up and not too heary
The autumn so far has been truitful in meetings of able of these events, from an agricultural stand point, was the Congress on Tubercclosis, which met
in London. Your Professor MacEachran was one of the members, and aired his well-known views on tuberculin and the test conducted by its means. The great event of the Congress, however, was taberculosis are muicable
 exaggerate the consternation to which this wholly
unexpected deliverance has given rise. It is right in unexpected deliverance has given rise. It is right in
the teeth of every kind of aceepted theory on the subject, and no one can tell where it may lead to. For one thing, if it were established as a correct subside, and saner counsels bear sway in all com munities. Dr. Koch's view is flaty opposed to current ideas, and should isprevaly
that much restrictive legislation will need to be revised, and not a little harassing of the agricultural
interest will be mitigated. At the same time, few hereabout are prepared to accept the new theory as an accurate representation of the case. The need
of accurate and independent experiment is everywhere recognized, but our Government is terribly How to take action in connection with such matters,
and in the end we will likely be indebted to Southern parties for anything we may know of a definite and conclusive character. One good effect of the deliverence has been to moderate the demands of unreasonable inspectors. Some of them are prepared no
maintain that they know better than Koch, and no doubt the German scientific man is scared, but, altogether, he had a cordial reception, and the Congres of 1901 adjourned without doing anything very generally followed. A Veterinary Congress has also met in Edinburgh, and very much the same
kinds of subjects have been dealt with in the North as in London. The most notable answer woch so
far has come from Professor MacFadyean, the head of the Royal College of Veterinary Surgeons. His analysis of Koch's reasoning is admirable and leaves us in no doubt as to the precise effect of the work in which local authorities here are engaged when en-
deavoring to combat tuberculosis. That work must go on, as it has mainly been directed to improving the sanitary condition of byres and their surroundings. Cleanliness and fresh air are indispensable to this disease. The moral, therefore, is, relax no effort to put milk on the market of absolute purity,
and rest assured that healthy bodies are the best protection against this disorder
time ago, he intimated that he was prepared to some full information to all parties regarding the health of cattle in Canada, and he specially emphasized the ract that there is no pleniro pneumonia in Canadian
cattle. The parties chiefly interested have, since the date of this zitation in favor of repealing the working up an agitation in favor of repeaing the
Act which made it impossible to import store cattle from over the sea. The most formidable aspect of the movement has been presented this week, feeding districts, with members of the Harbor Canatian shipsowners, was held in the City Chambers, Glasgow. It was a well-conducted meeting. Lord Provost Con official status, having Authority of the City of Glasgow. The farmers who spoke are well known for heir auvocacy of adivation but they rather overstated the case in favor of the Readers of this letter will be interested to know what prospect there is of the status quo being
modified to meet the case of Canadian cattle. It would be folly for me to deny that in my opinion of 1856 will be meddled with. It is generally admitted that Canada has a clean bill of health,
and that the restrictions might be removed tomorrow so far as no one sems able to see how it
difficulty is that no
would work to differentiate Canada from the rest
of the world. Except on grounds of high political expediency no reason exists for differentiating, and
breeders in Canada would do well to abandon all idea of reviving the trade in stores. Although they are as a rule wealthy farmers in good districts who
favor the introduction of Canadian stores, they are in a hopeless minority, and the overwhelming proportion are breeders who desire the security this enables breeders to extend their labors in that this enables breeders to extend their labors in that
particular direction. There is a big market here for all kinds of fat cattle, and Canada seems to be making a good job of sending such to this country Let her adhere to this trade, which hits our farmer sorely enough, but they must bear that. It will
take verv strong evidence indeed to convince the British Parliament that it should repeal an act passed in 1896 at the expiry of five years

## Lessons from the Model Dairy

The subject receiving most attention at presen the model dairy barn, Pan-American Exposition, is that of two vs. Three mlkivas a day. Since he falling off in milk flow incident to the excessive from advanced period of lactation, it is the belief o every herdsman in the barn that two milkings only aima be conducive to better resuls, in that the the eveni whe the opply fo rest gone and the flies least aggressive Hore time to rest and make milk would seem hetter so long a the total quantity given for the 24 hours is not enough to be hurdensome or painful when carried for one-half that time. Besides, it would seem more reasonable to conduct the test on lines practicable occasional test for high records. Canadian authorities in charge of the test clain that the owners of all cows from that side wish the test, and orders have been issued to the herds men accordingly
of these owners have not been made acquainted with all the circumstances and conditions at the model dairy, or they might feel differently about it.
Some of the American herdsmen would have
gone over to two milkings some weeks ago, except of the men who weigh and sample the milk, so long as some continued the three milkings, and the
good will and courtesy existing among all the good will and courtesy existing among all the
herdsmen tended to delay any change which might disturb any neighboring herd in the barn at an unusual or unnatural hour

Up to a short time ago there was some assur
nuce of a change to two milkings by all, but witl this gone, some of the American herdsmen finally made the change. About a week ago the
Polled Jersey herdsman began milking one cow only twice with such satisfactorv results that vesterday (Aug. 21st) the Datch Belted, Brown Swiss and Polled Jersey herdsmen adopted the plan
with their full herde, and one Guernsey cow was put in the twice-a-day plan
he yield of milk from these herds for the da unlikely that all the Americans will have adopted For nearly there week
very favorable to man and beast until Tuesday, the 20th, when the hot wave struck us. The cows que suffering a good deal from the heat and there is
quite aticeable loss in milk in consequence. As was observed in previous hot spells, the lactometer ests show a less per cent. of solids not fat in milk,
the drop being quite striking in some cases.

## the composite test

The men in charge of the testing department tests of each milking of the five cows of some herd for a full week corresponding with the week for latter method being the official one in this test, it is interesting to note how nearly this agrees with the at for the week as shown by the sum total of produc
week.
This work has been completed for a week with yach of the tollowing hreeds:- Holstein, Besides the data thus furnished to further establish the correctness of the composite method of sampling (when properly done), the tables will fons in per cent, of fat from day to day and milkng to milking.
The publication of these tables by a paper which trons of creaneries should be fairmers and pa value, as the composite method of sampling and lesting milk is the usual one in creameries and For the herd of five Ayrshire cows the total lated by the two methods was but. 23 lb, The method of testing each milking would mean 10.5 lests, while the composite required but hive. when a variation of more than one per cent nother test is made from the jar. Up to date都 econd trial was required.


Teot computad
diall
dit and and tes Compositit test
rrou same

THE FARMER'S ADVOCATE
Founded 186

The Lawrence-Kennedy Milking Machine. In dairy machinery there has perhaps been a
reater advance made during the past twent $y$-five greater advance made during the past twenty-five
years than in any other branch of the farmer's business. A modern dairy fitted with all the latest appliances must be something of a revelation to the uninitiated. Science has done much to advance modern dairy practice, and whether the aid has
been in the mechanical or in the chemical departments of research, it has been welcomed and appre ciated to an extent which guarantees to those who can render effective help a substantial recompense
for their labors. There is one operation in deirying for their labors. There is one operation in dairving, cerned, still remains open for the inventor ion where the dairy farmers would cordially welcome help. We refer to the need of an efficient substitute for the present scarce and costly labor of hand
milking. That the difficulties hitherto preventing the general adoption of mechanical milking will be, if they have not already been, successfully surmounted, we have little doubt difficulties which differing conditions of what may be best described as temperament in the individual animals. It was, therefore, writes a correspond Agricultural Gazette, of London, Eng., with considerable interest that we accepted an invitation to view the Lawrence-Kennedy cow milker in practical
work at Riding Court, Datchet, where the occupier Mr. J. Kinross, farms some 1, 100 acres, has occupier, 150 nilch cows, and is the holder of that much-coveted trophy, the Prince Consort's cup, presented by Her late Majesty the Queen. The machine, we were advised, of having it thoroughly tested under ordinary working conditions, so that any defects noted, or improvements required, could be remedied. The ap puratus was erected in a shed containing 48 cows, so as to be able to compare the yield and other con ditions of the two methods. The result is reported as being altogether satisfactory and decidedly i ness, keeping qualities of the milk, and without any ill effects on the animals. The machine is operated by suction, which may be obtained by a suction pump operated by an engine, electric motor or vacuum is obtained by an ejector attached to small boiler, the steam jet producing the vacuum and dispensing with the necessity of an engine. A vacuum-container tank is connected, so as to give
more steady working and a more steady working. and a range of iron pipes
runs along the shed immediately over the cows, with a short branch, fitted with a vacuum cock descending between every alternate animal rubber tube, slipped onto the iron pipe, connects as a cone shaped pail, the lid carrying a doubleaction pulsator of simple construction, from which branches two rubber tubes, one to each cow, to which are attached four rubber teat-cups. The
speed and strength of each pulsation can be finely regulated by means of a screw, to suit the peculiar ities of each cow, and as the pulsations only occur in the teat-cups and in the short rubber tube leading therefrom to the pulsator, the milk is not brought pipes are kept in place by the vacuum, no screw or other fitting being required, while the milk, on or way from the teats, can be seen passing through a cups remain on the teats until removed by the cups remain on the teats until removed by the
attendant. The cups are unique in that a thin piece of rubber with a hole in the center is inserted mmediately inside the cup, giving a more tenacious of the cup a smaller detachable rubber bottom serted, so that the cow is milked wet, as the is in ind has to flow over this inner vessel before leaving the large cup, and in practice this has been found of tion. In work, the appliance is exceedingly simple The pail is placed between the cows, the rubber tube slipped onto the iron pipe, the vacuum cock tursed on, and the cups held to the teats, to which they at
once adhere, and the milking begins.
The pulsations regulating the collapse and ex-
pansion of the cups are close imitations of the calf pansion of the cups are close imitations of the calf
sucking, and the vacuum pressure is very small. sucking, and the vacuum pressure is very small.
The milking was done quickly and cleanly, and
the animals did not exhibit the animals did not exhibit any signs of inconvenience, as in most cases they stood quietly feeding
during the operation. The value of the regulation during the operation. The value of the regulation
of the pulsations as regards speed and strength to suit the temperament of the various animals was particularly noticeable, and altogether the work
was completed in a very satisfactory manner. The was completed in a very satisfactory manner. The
vendors the Dairy Outfit Company, Limited, King's Cross, London-claim that by the use of the machine 18 cows can be milked in an bour, with the help of a
man and a boy, and that no more hands would be required for 60 cows. Cleanliness is ensured by the
see no reason why it should not then it will soon repay its cost in wages. The Lawrence-Kenned in meeting the need indicated at the beginning of this article: time alone will tell whether or no t has solved the problem of mechanical milking but we commend its claims as worthy of the atten
tion of readers.

The Root Growth of Plants.
The North Dakota Experiment Station has made a special study of the root system of growth of various grains and roots as indicating
orn roets

hranches from the horizontal roots have penetrated have aiready reached depths almost equal to those of the primary vertical roots. The branches in turn give off other branches, and these produce
fibers and root hairs so that the whole soil at this stage of growth to the depth of two feet was prac cically filled with roots. In this sample the main ground at six inches from the hill and about four inches below the surface midway between the rows. Numerous feeders or small, fibrous roots were noticed in washing, within two inches of the corn is ten inches high, it should not be cultivated deep. A sample of corn roots taken after the cor was killed by frost, ninety days after planting showed that the whole fully occupied by the thre (See Fig. I.) " The root system of the sugar beet differs from that of any of the other plants studied. The vege taproot which extends almost perpendicutarly downward into the ground, becoming rapidy smaller in diameter in the upper part of its course the lower part being quite small and threadlike and reaching, in se famples, a depth of branches spread outward and downward into soil on all sides. The upper main branches are the largest and extend outward almost horizontally for more than two feet. Those deeper down incline parallel to the taproot. The diagram (Fig. II.) merely represents the skeleton of the root system

## Secure the Best

Parties desiring to secure improved stock of any of the standard breeds should carefully read the advertisements now appearing in the column of
the FARMER's ADVOCATE. where they will find a large offering in many varieties, and we feel sure that by correspondence with the breeders, or visitstock can be them at their homes, it will be found that good may be exceptional instances of what may , There be exorbitant prices asked, but, as a rale, these will be found to be cases where large expense has been ncurred in importation or purchase of the parent not have to buy if the price asked is higher than doe considers he will be justified in paying. By seeking further, he may find what will suit him as well for less money. The field is large and the good thing good policy to buy the best one can afford, especial ly in the case of a sire, as his influence for good, i he is well come, will extend through the herd or flock for years and may be visible for decades of
years. And the influence of an inferior sire is just years. And the influence of an inferior sire is jus
as likely to be for ill and for as lengthened a period The lowest priced is not always the cheapest, but often decidedly dear

Attributes of Alfalfa
added to the wealth of arid portions are annually States through the growing of alfalfa for western animals, and that it has added immensely to the production of honey in those sections - that each ing it, spreads the pollen which fertilizes and gives
to the plant a superior quality and more viguther growth, particularly the power to produce seeds.
It has been demonstrated seriously exhanst the strength of the soil, though it produces a series of crops each year without the in in large part is from drafts upon the atmosphere.
It is a truth demonstrated by the whole human It is a truth demonstrated by the whole human
experience that the fertility of the soil is much sooner exhausted in wet than in dry countries, which is phililizing elements downward or causes thes the evaporate, when in periods of what may be called ture is towards the surface, bringing with it the ele-

Prizes for Photographs
handsome prizes are offered for the best amateut photographs of country scenes. We direct the at teresting competition, the conditions to this inshould be carefully read. We trust that many will

Cannot Do Without It
Dear, Sirs,- We are all well pleased with the
Farmer's ADVocate, and woutd not think of
doing without it. There is no pape the doing without it. There is no paper that suits the

September
$\qquad$
$\qquad$
$\qquad$

at different stages of growth. Thirty days after planting, at the second cultivation, the roots from
adjacent hills (hills three feet apart) already meet and interlace. The main development in the early
part of the season is later part of the season is laterally or to the side. A few roots have reached to a depth of twelve inches, but
the bulk of the growth is within eight inches of the surface of the ground. Six inches from the hill the main roots lie within two and one-half to three inches of the surface. Midway between the hills
they have reached a they have reached a depth of four and one-half
inches. Deep cultivation even at this stage of growth would have injured the roots.
"The sample of corn roots taken fifty-five days



Poultry Notes.
ahead, and now is full time to consider the stock for next season. The useful life of a hen is unfortunately very brief, and every moulting time clearing out all those hens that are two and a half years old; in other words, those moulting for the second time. Of course, there is no rule third season, but the average hen does not. The latter will take a long time moulting, and probhas come, the weather mild, not laying till spring plentiful. In fact, she will, probably, chot pay for her keep. Still, it must be confessed that it is a many birds and fill their places with pullets which otherwise could be sold at a profitable figure. The stock birds should be hatched in
March, April or May, the three great hatching months; March or April for the heavy birds,
April or May for Leghorns, the latter taking a shorter time to reach maturity. We need not overdo it and take early-hatched birds and force them on to maturity, for perhaps they will lay take a long rest. I had a pen of twelve earlyhatched pullets. They laid few eros early in

When your fowls do not lay, and you seek
about for the reason, you may be told, perhaps that the houses are not warin enough. Even if
this be so, and you remedy the defect, the time has been lost, eggs have not been forthcoming as bad, nothing to have been, and what is quite lowed by an immediate supply of eggs. Has this been your experience, reader, in the years gone made warm and comfortable before winter sets in. "Why," you say, " it is not fall yet." Yes, there will be so much to do then you will not find time to patch up the old henhouse. I think
most of us feel the first cold of autumn and most of us feel the first cold of autumn and is with the poultry, and, unfortunately, many of feel it the more
Should the house stand in a very cold place, a covering of felt will help to keep it warm, and Your early hens and pullets may look like laying any day, and nothing on your part should be left undone which may check them doing.so
By keeping on your place unprofitable fowls cores of farms are hens found in a loss. Yet on room through the winter which lay never penny's worth of eggs; and besides eating their suming off, they are occupying the room and consuming the food other fowls would turn
money. These old hens make excellent soup.

How the High-scoring Cheese at the Pan American Were Made.

1. What precautions did you observe when tak ng in the milk

$$
\begin{aligned}
& \text { 2. Did you use a "st. } \\
& \text { how prepared and used ? } \\
& \text { 3. Did you wash the }
\end{aligned}
$$

3. Did you wash the curds? If so, how, at what temperature of water, and at what stage or stages
of the curd? of the curd?
4. At what temperature did you put to press, how long was the cheese pressed, and how often was it
5. (a) At what temperature was the cheese cured ing? Describe your system of ventilating and cool
ing ?
(e)
(d)
(c) How long was cheese held in curing room?
(d) How often was cheese turned on the shelv (e) What per cent. of moisture was maintained
in the curing room? in the curing room
Let it be remembered that these makers, while making, also have picked up many little method and practices for improvement by reading dairy literature and observation and experiment, so tha the lessons they teach in their respective letters pursued, and their cheese tells the tale of the wisdon of their practices.
thos arieve, wellington co. ont I had no intention to send cheese to the Paninstructions were that no cheese should be dated or any mark whatever on the cheese that was sent to the Pan-A merican. The directors of this factory toxed the cheese, and they said that I must send
to on June 15th. I had good curds that day, so I did not date a vat. So you see that there was no testing done. I had better cheese, but, as I said, they were cheese has done so well at the Par the Canadian test. Twenty or twenty-five years ago if we had such hot weather and the milk in such bad conpoor cheese made. It was nearly impensible to very poor cheese made. It was nearly impossible to make
cheese out of the milk that was delivered. Our curds in the vat were not properly cooked; dipping when they were very soft. We could not let them lie any longer, for the acidity came on very rapidly. men in the cheesemaking industry for the trouble they have taken to school us up to the high tandard we now hold. I am sure, Mr. Editor, I thank you for the extra copy of the FARMER' Advocate you sent. I am going to send it to England.
6. I had not much time to observe anything when in and add the
7. Did not use a starte

解 h il
0 degrees. I wash curds. Temperature of water 4. The temperature of the curds is generally 8 . or 84 degrees when put to press. Cheese is pressed worning. morming.
5. (a) The temperature of curing was running (b) Ventilation degrees in that hot weather
(c) From June 15th to July 2nd.
(d) Turned once daily on the shelves
(e) I have no instrument to tell the moisture in In regard to exhibition cheese, the weather wa so fearfully hot and milk in such poor condition that, really, one had no time to observe very much.
I have been making cheese 33 or 34 vears, and from the last week of June to the last of July I never had such a hard time with milk. How I got through so well I many times wonder
b. K. oranston, elgin co., on 1. I used no unusual precaution selecting milk
ther than the usual daily watchfulness ; or, to use a brickmaker's term, it was kiln run. $\frac{2}{2}$ Did not use start
saiters for good mik. that are in wood condition. I do not wash curd washing a curd that is all right before it is washed I wash only gassy curds (a thing I rarelv have) or curd that the flavor is not clean. I think that is where many cheesemakers err, in running to the place, but no use when not needed
4. I did not note temperature when cheese were purned only once. 5. (a) Cured at a temperature from 65 to 70 de
(b) Ordinary ventil tion and ice boxes

Turned on shelves once per day
(d) Was made 6th of June; was at the Pan
(e) Did not note moisture in curing room

I consider one of the principal points of success in my case is eternal vigilance in cleanliness, more especially in regard to whey tanks, which I clean is from that fact $I$ have got rid of, or nearly almost all, gas. I believe more bad milk comes from dirty

FARMER'S
W. P. stacey, hastings co., on
Not to take in overripe or tainted milk Didn't use a starter
Didn't wash curds.
4. Put to press at a temperature of from 80 to 86
degrees. Pressed about 20 hours. Turned twice in degree
press.
5. (a) Cheese were cured at a temperature of from
65 to 70 degrees. 65 to 70 degrees.
(b) We have no way of cooling only by opening the windows at night. The building is a frame one
bricked and plastered inside, two stories high, and on a foundation about four feet high. About eight air holes are in the floor, $6 \times 88$ inches; the same above in ceiling, and ventilator in center of the building. I may say our curing room has been as went away
(c) Cheese were 25 days old when they left here (d) Oheese were turned every morning on the shelves
room
JOSEPH CRAMER, FRONTENAC CO. ONT I took milk for Pan. American Exhibition chees

2 and 3. I did not use starter nor wash curds. 4. The cheese was put to press at eighty degrees Pressed 24 hours and turned once in the morning in press
(b) (a) The cheese was cured at 65 degrees.

Twen windows and doors at night
(d) Turned on shel days.
(e) I sprinkled the floor with cold water 3 times a day. The cheese the last 4 days before shipping
dohn e. stanton, welitington co milk ilk, particularly avoiding all gas havored or sour milk temp. 94 degrees to 96 degreds, right ing. Then turn curds over and wash a grees. The
turned offee
6. degrees as neariy as possible
(b) 1 have ice boxes in whit
cooling, and ventilation for emitting July 3rd, when they were shipper
$\qquad$
$\qquad$ from mould Miy exhibition cheese were mad
just as 1 make any cheese, and were not mad
from any special milk, nor had any special care from any special milk, nor hat
wher than all my cheese get.

Auction Prices for Horses horses are not unly useful for the farmer to dray
deduction from as to what to breed, etc., bu
will also aid in clearing up a misty point or two
is to the weights required in the various classes to the classification of the horse exhibit, mor at the big fairs we see animals masquerading a
drafters which are by no means up to weight
Hairy legs and white markings don't make
 Carriage
Saddlers.
Southern chunk
QUESTIONS AND ANSWERS.
$\qquad$



reduction of the inflammation in the joint by the
liberal use of cold water, followed by a blister,


AME MARE AND RUPTURED COLT
sprained in the right ankle when four years wa got all right in about a month. Carried bersel showed lame again, large puffs coming on eac side of her leg above the ankle. I blistered them and she got better, until this summer she became lame again. I took shoes off and let her run a
month, but it did not help her any. Blacksmith month, but it did not help her any. Blacksmit toms of founder : some tender on the coffin bone What could be done for her? Does it hurt her to breed from?
2. Also a suckling
months old, has an entarse colt, about thre a large potato, about four inches long. Is it better to kill him at once ? E. P. L

Ans.-It is possible the bursal enlargements or puffis above the fetlock joint are causing the lameness. These enlargements, when quite large in such cases is long rest and repeated blistering If the lameness be in the feet (and it is impossible for me to tell without seeing her), long rest and repeated blistering around the coronet will help there has been a congenital weakness of the parts there is a danger of the progeny having a like
predisposition. Do not think of destroying him on that accosint. It is very probable a spontancous cure will resul before he is a year old. If nature should not effec a cure by the time he is to be castrated, the operator must perform what is known as th as the colt grows older, the rupture should crease in size, you will have to have him operated on at once. The operation necessary in such
cases consists in casting him, placing him on his back, cutting down unto the intestine, returning injuries to colt's leg.
Will you please tell me what to do for a colt We kept the wound dressed with carbolic acid and sweet oil. When about healed he ran away
with doubletrees, and bruised it. I polticed with linseed, and it is healed over now, but the seems to be a fleshy lump inside skin. Seem lock on outside of hind lea bad. Both ran away he also bruised his hocks We blistered both with fly blister, then oiled with castor oil. They seem quite tender, especially the goes down some, but keeps swollen the swellin stabled. We work him some. Is three years old $-2-2$ The lumps on the hocks are also hard to lessen beneath the skin on the points of the hocks $420=4$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


Ans.-Taking all things into consideration, you have had better success with your sow than could reusonably be expected. In the first place,
you bred her too young. In some cases, a young female, especially one in good flesh, will reach the
state of puberty very early, though not suffistate of matured to reproduce without great danger. Such was the case with your young sow. You should not have bred her until she was
older and more developed. In the second place, older and more developed. In the second place,
the surroundings in which you placed her to farthe surroundings in which you placed her to far-
row indicates either gross carelessness or gross ignorance. The weather about the middle of July
being excessively hot, any careful man would have selected a cool and as well-ventilated building as possible. Again, the sow was too fat for breed-
ing, and we are not surprised to learn that she ing, and we are not surprised to learn that she
had trouble; on the contrary, we are surprised that she recovered. If allowed to run for four or
five months before breeding her again, I see no reason why she should not make a good breeder Breeding sows should be kept in moderate condi-
tion, neither excessively fat nor yet lean. The tood given will depend upon what the owner has
to feed. All food should be of good quality, easily digested, given regularly in small quantities. The sow should have plenty of exercise. In
summer time she will be able to get grass ; in Winter time, substitutes for green food should be
given in the form of roots. If confined in small quarters in cold weather, where little exercise is
taken, a sufficient quantitiy of some laxative bowels open. I find for this purpose, equal parts act well. After farrowing, the same principles in
feeding should be observed, but, of course, she
will require food in larger quantities after the litter is a few days old.
between knee and fetlock joints, till the leg is
almost round. She is a trifle lame, and aiter
driving holds it out in front as if resting. Would
$\qquad$
$\qquad$
$\qquad$
left hand, insert right hand and up tongue. Give not attempt to
take nourishment
it refuses to do it refuses to do
fessional assistan

 take nourishment you need not be alarmed :
it refuses to do so, you had better employ pro
fessional assistance. If the weather be fine tur essional assistance. If the weather be fine, turn
fhem out at night, but do not leave out in a
rain storm or cold.




$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ Horse Association is, and his address? address?
Ans.-1. J. H. Steiner, Chicago, IIl., is Secretary
In of the American Trotting Register,
Standard-bred Horse Breeders Association and no
no 2. The Secretary of the Holstein-Friesian Asso-
 Vermont The sereratar of tho Holten nireeares

FARM GOSSIP
Delta, B. C

 districts everwwhere except on the Detroit frontier
and in the oitawa valley, have receded in population.
all the cities except one have made heavy gains. A portion of the population irom the the rural districts
has drifted to the towns and cities and a part to the
newer districts, such as New Ontario, British Col-

Live Stock Exhibits and Meetings at Buffalo, N. Y



#### Abstract

$$
\begin{aligned} & \text { he Pa the largest and best shows eve broughe to- } \\ & \text { nether will be seen at Buffalo, the dates for whici are } \\ & \text { is follows: } \\ & \text { Swise } \end{aligned}
$$


Chilliwack, B. C.
give a splendid return. Mr. Paisley mentioned a field
of Alsike clover which stands 5 iet 6 inche frigh,
of
timothy 6 feet 10 inches and rye grass 7 feet
and


Northwest Horses for the Army.
$\qquad$


The Census Returns.

|  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

THE FARMER'S ADVOCATE

Widow Gray on Homemade Worries. pleasant, the thunderstorm having cieared the
air and brought the temperature down most acair and brought the temperature down most ac-
ceptably. The cottage was of medium size, bearing signs of wear-and-tear, but none of povertyor neglect. It was on a corner lot in one of our larger cities, and sometimes the question of the
heavier taxes this desirable situation entailed became a burning one with its owner; but so far she had managed, by the strictest economy, to maining span of her existence, which could not in the natural course of things, be a long oneshe might be able to remain in the dear little place to which her John had brought her as a her children had been born and brought up her children had been born and brought up which they came to visit her from time to time and two others had gone to the best Home of all where, "please God,", she would say, "I hope to join them presently "; but meanwhile life held
many blessings for her which was not slow to recognize. Widow Gray was seated in her rocking-chair, on a sug corner o hickly-leaved creeper which almost covered it adding, " but perhaps not so much thinking letting little thoughts and little ideas and little through my head $\qquad$ row. John, her eldest, and Jim, her youngest
were coming with the crowd of whom the city was preparing to welcome was who (in her case, and perhaps in the case many others also) really came " to see mother about joy-about rejoicing, not ${ }^{\text {. }}$ sometimes,
but " always," and Widow Gray had ft-repeated saying of her dear old husband understand a child of God being anything wrong if a Christian man or woman carries long face
how it should be, but there's many a cloud of
our own making which comes between us and the
light. And so it is that light. And so it is that some of us, who should that we get the good and the bad, the sunstine and the shadow, all mixed up somehow. Some
are so afraid of cares which may come to-morrow, that they have wo eyes for the blessings
which are already theirs to-day fond of quoting what Robbie Burns had to say

## Tuman bodies are sic fools, or a' their colleges and shools, That wheu nae real ills perplex

## spoil the happiness of their whole young couples

 by the terrible mistakes they make by beginning, told worries for themselves by their want unthey would think that a hard name to though Theres that dear young couple over the wayAny one who knows what he earns, and how un-
fit, from want of proper training she is to spend his wages wisely, can see with half an eye that it that they will be troubles of their own making their means. They got one of those circulars
headed. Why pay cat I could say, and I did try to say it kindly and of which He leaves us to find our ,wn wi.y-hey
are not those which He has promised io make straight.' I cannot be too thankful for the manly uprightness of my dear old John. Bessie, my hankering after something we could not righty afford, "we'll only have what we can pay for the nail, and then there'll be no sorrow with it Our children knew his way and respected his motives even when sometimes they seemed diffiand mothers themselves, they realize what athers folundation he was laying by precept and example for our future happiness. To his self-denial and careful provision 1 owe the comfort of my de clining days and the prospect of my boys home
coming to-morrow without a thought of by ness to mar our pleasure." Here Mrs. Gray suddenly remembered that it was time to put on the teakettle, and having done so, and partly to prevent her thoughts upon this fruitiul subject
"running away with her "running away with her," as she termed it, she mok from the top shelf of her bureau, which held
many such treasures, the following extrats, which, she said to herself, "express so much betten, than I can what are the bext of all remedies for every trouble, whether of our own making Which may come to us in the Providence of God the pages we will bid her good-byends ov present. This is what she reads : -
. Two for for the Daniel Quorn: $:$ Start worry.-The first by
this: There day thinking like this: There will be nothing to-day but He will
help me through it. There will be nowhere He can deliver be with me, no temptation but upon Him. He looks over the day for us. There's
a worry waiting. He dees patience. There's a temptation yes here's the and here is wisdom and strength. There's a bit bit of courage and faith. But don't iet that be and Ah! He will make thee glad with His favor and send thee forth cheerful to thy work." Cheer up; cheer up, ye moody ones,
Look hor the bit oi blue! And when you find it you will feel
The warm sun hining through
And the shadown come
Just wait awhile. cone. why then
hat clouds canh t last forii find
When the sun lies fut

Do You Khow
$\qquad$
The Secret of How to Sccure a Good Wife Whoso findeth a wife findeth a good thing and
obtaineth faver oi the Lord and a prudent wife in
irom the Lord.-(Solomon, the Wise Man. While giving advice to a canny Scotchman re garding the better way of getting married, rather than living alone, I was confronted with the question. "Are ve mairitt, yersell? ". When answered in the affirmative, my questioner
plied, "Oh, weel, ye'll ken a about it.." plied, "Oh, weel, ye'll ken a' about it."
When God at the beginning created When God at the beginning created man, he sone. I will make him an help meet for him God does not change, but what He says in His
wisdom is always tor wisdom is always true, and certanly the farmer of all others, should not think of living alone.
While these facts will at While these facts will at once be admitted by all
reasonable men, some will at they have friends who are unhappily married, and that it is very difficult to get a good wife Others will say that it is a question of falling in What do. Now, let us reason this matter out. What do you fall in love with? One married say that he did not marry his wife heard to beauty, but because she had such a beautiful
gesture. It is told of a man who was habit of calling where there were three s the One day, while at dinner with them, he m.ticed chat one cut off all the rind from the piece of might be a little wasteful. The second ate her piece of cheese, rind and all. He then feared that The might not be as cleanly as he would like The third scraped the rind very carefully and
neatly. He at once decided that she was both neatly. He at once decided that she was both
$\qquad$ but it might be possible to lay down some generCommon Sense and Good Taste are perhaps man either for and gifts that any woman-or certainly nice to have a fine healthy wife, it is and of good physique, and a man ought certainly of his children would not be likely be the mother them any disease or weakness of body or mind that she might have inherited from her parents. requires training very important. As the body requires training and development, so does the
mind. The model farmer's wife should have both: be well trained and developed in all ordinary aca good cook. Very few people, however strong, d health.
But the soul, or spiritual part, is not that the a cow poisons to a greater or the inflicted upon Do you know that fish killed as soon as taken
from the water, by a blow on the back A man who had a fine-looking team of horses neighbor, whose team would not bring as much
 bugs, mosquitoes and birds destroy millions that every little insect-eating bird you may and and every egg you may take from its nest means
$\qquad$
$\qquad$
$\qquad$
$\qquad$

[^1]
## Gran mother to visit?

 are perfectly happ Dear Granny" for are penerally kit athered, and thewits by their devo up to grandma and Nan. "Now pleas was a little girl." When any of you storm and cry for pressure of those people far more tha the right opv Gladys and an Did you ever hea ment between the hem was the stron but the harder he wrapped his cloak a he found it too hot. nfluence than rude only yon'll think
When people are You will conquer With peras in
hi
Wid a look of only you'll think He will bcampe
Youlil bo hapy

The Son of H I shall have to m of that boy of mine knownlaw yer with nto my office the hreepenny bit dow fore me.

What is this for Very well," said ned upon?
My boy dug down produced a not he had been "cutti vised a whipping. asked he in a busine had read the note a into. to apply for a chat said I
'ery well," he
u're handling the Then we will tu I saw the young on this 'cal ed, "but you will ha Well, I pleaded th. a-a good whip

THE CHILDREN'S CORNER
Grandmother's Pets." Do you know what it is to have a dear grand
mother to visit? These little girls, Gladysand Nan are perfectly happy when they are allowed to visit "Dear Granny" for a few days. Grandmother has a lot of chickens and little yellow ducks, and there
are penerally kittens too. When the eggs are are penerally kittens too. When the eggs are
gathered, and the chickens frightened out of their wits by their devoted admirers, the children nestle up to grandina and beg for a story. "Here are some flowers, grandma." cries little Nan. Now plat
was a little girl. Gladys knows how to coax, too, doesn't she? storm and cry for it, but try her plan. Grandmoth er, I am sure, will never be able to resist the tende a great deal of power, and can influence grown-up people far more than they think, but they must go the right way about it. Never scream and scold when you want anything. Take my advice and Did you ever hear the old story about the arguement between the Sun and Wind as to which of
them was the strongest? The Wind said he could them was the strongest? The Wind said he could blow the cloak off a man who was walking along; but the harder he blew the more closely the man
wrapped his cloak about him. The Sunshonebright ly down, and the man soon took off his cloak, because he found it too hot. Sunshiny ways
influence than rude or angry words.

$\qquad$
$\qquad$

Yo
Ind lill bike topep in day ;

The Son of His Father II shall have to make a lawyer out of that woy of mine, d dint t ee any
other way out of it, deelared a weli knownlaw ver witha latgh He came
into my office the other day on hiway home trom shool and laid a
threepenny bit down on the desk bee fore. When is is this for, son?", I lasked.
 the joke
tained up My boy dug down into his pocket
and prodiuced a note troul his teatl er, and placed it before me without
comment. It was to the effect tuint he had teen w cutting up,", and $n d$ vised $a$ whipping.
 I had read the note and saw the th
that the young rascal had led ? ${ }^{\text {int }}$.it think that our frst move should be to apply for a change of venue,
said $I$. "Very well," he answered
"youre handling he case," "Then we will turn the note over 1 saw the young imp's face fall at this, but he ".see here, dad, - you're bound to see me through know',' Til argue your case before the court," I answer.

 hrown out of court, and the boy got what he de-


GRANDMOTHER'S PETS.
erved -a good whipping.
It was the firs t time I tever played false to a client. 1 Secret. $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$




## Dress for Elderly Women.

iged, beyond that period, says women are miderly, midneinto a permanent unform of dead black rety rowsame as young people, but they should certainlyNoman to say: "I am not as younce as I used towhat should give enough thought to determinedvantage, and after that, one can effect a greatwith what one should not wear.lours of her younger years should frankly recog-
of sixty years and two hundred pounds dresses
in clothes designed for twenty years and one


## Ingle Nook Chats.

My dear Guests,for some time was spent in reading and judging the thirty-eight sets of Memory Gems sent in relight, to judge their r. To read them was a detrifle puzzling, but I at length merits ofttimes a all. I then counted up the marks obtained by each, and selected about a dozen of the hightest these I carefully went over again, after which I arrived at a decision. An unprecedented occurcontributor, but this should remind sets by one there is nothing like trying to do one's best The prizewinners are (1st) Miss Kate E. Crane, Burnstown P. O., Ont.: (2nd) Miss Margaret L. K. Matheson, Massie P. O.. Ont., and (3rd) Miss Kack's Daughter A. L. McDiarmid and ". Mosscontestants for 3rd prize while Jennie Mac Vannel, Nettie MacCallum, Annie E. Newlove "Morag," Mrs. Philip. Bernice Devitt and Robt. of merit were but little behind. Contributions of merit were also received from ". Imperialist,
Pearl Shepherd. ". Nancie ". nan. Alan R. G Smith Fannic Newman Borrow M. Lewis, Maud Jose, Douglas E. MacVannel Janet Waterman, "McGinty "and David A. Asti-
I am pleased to note the popularity of this Miss Mary Gillies
prize, and comments kindly upon the Ingle Nook. Thank you, Miss Mary
Our Camera Contest should excite a friendly finered areng many our guests, as the prize The winning Memory Gems (also others which have not won a prize) will appear from time to time, as space permits. In order to allow room for as many as possible this issue, I shall bid $m$ y Ingle Nook Chats Pakent THE HOSTESS

> First-prize memory gems. (By Miss Kate E. Crane, Burnstown, Ont.) Howeer it be, it seems to me, Tis only noble to be oood, Kind hearts are more than coronets, And simple faith than Norman blood.

Talk not of wasted affection affection never was
wasted. If it enrich not the heart of another, it
waters. returning back to their
 (Longiellow. Look not mournfully into the past, it comes not
back againt Wisely improve the present; it is thine
Go iorth to meet the fulw Go forth to meet the future without fear, but with a Endeavor to be patient in bearing with the de-
fects and infirmities of others, of what sort soever they
lie and
 Thomas a Kempis
n you shall not spread Men's Miles are that the tho evil
y blended with each other as is the air we breathe.
Evil spreads as necessarily ns dicent Fwe Evil spreads as necessarily as disense. Every sin
Drings sufring to others besides those who commit
t.-(Veorge Eliot.

Mow happy is he, born or taught,
Who serveth not another's will
Whose armor is his honest thought,
And simple truth his highet skill.
This man is free to

> This man is free from servile bond.
$\qquad$
$\qquad$
$\qquad$

## second-prize memory gems

$\qquad$
No stream from its source
Flows seaward, how lonely so ever
But what some land is gladdened.
No star ever rose
And set without infliuerce somewhere. Who knows
What earth needs iromearth' lowet crature? No life
Can be pure in its purpose and strong in it strite Can be pure in its purpose and strong in its strite
And all life not be purer and stronger thereby

We have not wings-we cannot soar,
But we have feet to scale and clim
By slow dege des, by more and more
The cloudy summits of our time.
For mankind are one in spirit, anil an instinct bear Round the he earth's
or wrong Whether conscio
vast irame, or unconscious, yet humanity's .

It isn't the thing you do, dear,-
It's the thing you leave undone,
That gives you y it oir a heartacho
It's the thing you leave undone,
That gives you a bit of a heartache
At the setting of the sun.
At the setting of the sun.
The tender word forsotten,
The letter you did not write
The letter you did not write,
The flower you might have sent, dear,
Are your haunting ghosts at night,
Margaret Sa
We never can tell what our thoughts will do
In bringing us hate or
In bringing us hate or love
For thoughts are things, and their airy wings
Are swifter than a
Are swifter than a carrier dove,
They follow the laws ot the universe
Each hing must create its kind-
Each thing must create its kind-
They speed o, er the track to bring us back
Whatever went out of our mind.
By the cynic, the sad, the fallen,
The world's highengy is cumbered to
They make up the stem on the
But the mirtue that stemq of lite
vonquers passion
And the sorrow that hides in a smile
is these that are worth the homage
For we find them but once in a while.
How sour sweet rausic is,
When time is broke, and no, proportion kept:
So it is in the music of men's lives.
We know not half the power for good or ill
Our daily lives possess o'er one another
Our daily lives posess o'er one another;
careless word may help a soul to kill
Or by one look we may redeem a brother


To serve with loity gitts the lowly needs
Oi the poor race for which the God-man died,
And do it all for love-Oh, this is great.
I count this thing to be grandily true,
That a hoble deed is a step toward
Lititing the soul from the common sod
To a purer air and a broader view sod

THIRD-PRIZE MEMORY GEMS.

with a petty round of little duties, lithe avocations
to smile for the joys of others when the heart is
aching who does this, his works wil follow him.
He may not be a hero to the world, but he is one of

| Life is real ! life is earnest ! <br> Aust the grave is not its goal : <br> Dust thou art, to dust returnest, <br> Lives of great men all reminl. <br> We can make our lives sublime, <br> And departing, leave behind us <br> Footprints on the sands of time |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

$\qquad$
$\qquad$


##  <br>   <br> is most wondertulyy kind -F. W <br>  <br>  <br> 

## CAMERA COMPETITION

As a new departure, we announce a "Camera Competition," which will surely give pleasure to the many lovers of amateur photography.
We offer six prizes, as follows :-1st, $\$ 3 ; 2 \mathrm{nd}, \$ 2$; $3 \mathrm{rd}, \$ 1 ; 4 \mathrm{th}, \$ 1 ; 5 \mathrm{th}, 50 \mathrm{c} ;$ and $6 \mathrm{th}, 50 \mathrm{c}$.; for the best photographs of country homes, groups of aninals, gardens, pretty bits of scenery, or anything of that nature, subject to the subjoined rules:
All photographs must not be less than nches in size, and mounted, and must be the work of amateurs.
All photo

All photographs must be clear and distinct in Fatail, and well finished. They must reach the han October 1st, 1901
The photographer's name and post-office ad-
dress, and the name and location of scene, ress, and the name and location of scene, must be
Any person is at liberty to send more than one photograph if desired. We reserve the right to use any photograph entered in competition. All the prizewinning photographs will become the property of the FARMERS ADVOCATE for the
purpose of illustration. We also reserve the right o purchase at a fair valuation any photographs hat do not win a prize.
Postage stamps must be enclosed if competitors wish photographs that do not win a prize returned
Do not make any mistake in the addrese, as such delay might debar you from the competition.
Ingle Nook Chats, Pakenham, The Hostes

## Harvest

 "While the earth remaineth, seedtime and winter, and day and night, shall not cease.'Such was the promise given to our common ancestors long centuries ago, when out from the far over the lowering water-wastes of the Fat and found her a home upon the dry land. The ages since then have recorded changes in
the world without number. Slowly but surely the poiver of men's thoughts has deepened and grasping the hidden meaning of of science, and have invented : but each, like the coral insect wrought his part and ceased to be-sowed his to be reaped by his fellow-men. So the longest same way, customs, beliefs ceased, and in the but alvays, since primevalged, or ceased to be summer and winter, heat and cold, seedtime and Just what that with pitiless, scorching sunshine blazing in tays back yard; it means early breakfasts, and sharp washings and ironings; and bakings, that make scenery, but because of its half-yearly wash and preserving-kettle; it means chickens that, and

$\qquad$
palate, and the sound of the binder speaks of
full barns, with the happy possibility of our hav-
ing to " build greater." - Then glory to the steel
That shines in the

That shines in the reaper's hand,
And thank be to God, who has blessed the sod,
And crowns the harvest-land !. But the use of that " steel "has been long since
obsolete, and although our farmers work early and late during harvest, it is by no means the vesting, as in other things. The only gleaners we have now are the birds, instead of the lhaths
and Mand Mullers of old. We no longer thresh with the horse-power ; and maidens nowadays do
not bear to the reapers at noontide "flagons of home-brewed ate, ames bear baskets of substantial food and tea, and never was ambrosia more
sweet to the gods thas the cold ham and cookies to the weary
Finally-when the last sheaf is in, and the dog has watched for the mice under the stooks for tho
last time until another year-comes the harvesthome. That custom, too, has fallen into disuse, Romans always held a great festival, with games
called Cerealia, in honor of the Greek goddess of igriculture, Ceres, on the last day of harvest and the custom is still observed to a christianized form. I think that the harvest season, more than
ny other, should bring to us serious thoughts We are greatly blessed, we people of Canada, for
never yet have we known such "harvestlesp autumns" and famines as other lands have ex
perienced. We sometimes have blights, such as the Hessian fly, but there are always other crops, largely on our sowing ; for in all things, "whatand sometimes the harvest, whether bitter o Augustine let us say: ". Let us not leave The
alone to make in the secret of Thy Inowledge, a Thou didst before the creation of the firmament,
the division of light from darkmess : let the children of Thy spirit, placed in cheri firmament make their light and day, and announce the revoand the new arises, the night is spent, the day with Thy blessing, when Thou shalt send forth than theirs; when Thou shalt send forth new
laborers to new seed-times, whereof the harvest laborers to new seed-times, whereof the CHRYSOLITE.
shall be not yet."

Del's Art.

kitchen so the larder is so liberally supplied and the
she saurs it is no task to cook,
hatily waiving the praises of her admiring
family Vake care !'. said her father. "If you make so
light of the work it may fall to you entirely Mary
will not come back, she is going to be married and light of the work, it may fall to you entirely Mary
will not come oack, she is going to be married and
it is hard to find help-especially with a cook in the
family, that IU agree to fill Mary's place at the same wages
thatid her, papary, said Del, while Delsartean
visions danced through her head. visions danced through her head.
Mr. Dillon, surprised, reierred the unexpected ap-
plicant for
 less fad, at leasis. Dillon deliberately descends from her
Thas place as budding bene, to take that in which harl
drudge but it was not exactly a freak which
prompted her. First, she felt a dutiful desire to con-
 iny secondly, she was sure it would be usetul to understand what should and what should not be ex-
pected of that lator-saving machine a hired girl
thirdly, she wanted the money which Mary had re-
$\qquad$
$\qquad$

menageric.
the lion's cage, and is gazing fixedly almost down the very throat of the performing snake, which looks so vicious and yet which is so powerless to
injure him. The errand boy with the boots given injure him. The errand boy with the boots given him master's displeasure by slipping under the tent, his master's displeasure by slipping und yer the telled, wholly unconscious that the mischievious monkey upon the pole above their heads is about to make of stealing a hat or two to tear into ribbons with it humanlike claws. Perhaps the most speaking figures of all are those of the mother and two children, who, white bird, fly to her protection, believing that it is quite capable of swallowing them up at one gulp. The patient-looking camel, the caged lion, and the screaming cockatoos are ahin novelies the thertrayed but not so to us, who are almost surfeited with circus exhibitions and the living wonders from
H. A. B.

The Sponge and Its Uses.

$$
\begin{aligned}
& \text { Two little girls with snub noses and public } \\
& \text { chool voices stood in front of the window of a }
\end{aligned}
$$ school voices stood in front of the window of

Third Avenue drug store yesterday afternoom.

Look at the sponges
What d'yer spose they Most a thousand of em. What think they was so many slates in the world." The other little gir Don't yer know "" she sniffed contemptuous that windows has to be washed

## FARM B00KS.

The farmer's home without an Agricultural Library is lacking in one of the chief aids to pleasure and success. We have gone over the available first-class works on agricultural subjects, and have selected the best. See below for prices and how to obtain.

## SOIL AND CROP

the pertility of the land. - Roberts. 372 pages. $\$ 1.25$.
A BOOK ON SLLAGE.- Woll. 185 pages. 81.00 .
SOILS AND CROPS. - Morrove \& Hunt. \$1.00.
PORAGE CROPS. Thos. Shav. \$1.00.
soiling, ensilage, and barn construction
LIVE STOCK.
vetrbinary ellments.
A. G. Hopkins, $B$.
agricultural students.
 ORSE BRERDNG, So
IGHT HOBSES BREDS AS. 422 pages. $\$ 1.50$
HEAVY HoRSES - BREEDS AND MANAGEMENT. 219 pages. 81.00.

 CATTLE BREEDING.-Warfeld. 386 pages. $\$ 2.00$.
THE domestic shebp. - Steuart. 371 pages. $\$ 1.75$.
THE SHEEP.- Rushroorth. 496 pages. \$1.50.
PIGS-bRERDS AND management.-Sanders Spe FEEDS AND FEBDING.-Henry. 600 pagees. $\$ 2.00$.

GENERAL AGRICULTURE.
agriculture.-C. C. James. 200 pages. 30 cents.
FIRST PRINCIPLES OF AGRICULTURE.- Voorhees. 207 pages. \$1.00
AGRICULTURE.-Storer. 1.875 pages, in three volumes. $\$ 6.00$.
ChBmistry of the farm.-Warington. 183 pagees. 90 eents.
FARMYARD MANURB.-A Akman. 65 pages. 50 conts.
irRigation and drainage.- King. 502 pages. $\$ 1.50$.
irrigation for the farm garden and orchard
SUCCESSFUL FARMING.-Rennie
DAIRYING.
Ambrican dairying.- H. B. Gurler. 252 pages. \$1.00.
THE BOOK OF THE DAIRY.- Flicischmann. 330 pages. $\$ 2.75$
MILK AND ITS PRODUCTS.- Wing. 230 pages. 81.00.
TESTING MILK AND ITS PRODUCTS.
dIIfying For propit. Mrs. E. M. Jones. 50 cents. POULTRY.
artificial incubating and brooding.- Cypher. 146 pages. 50 cents
American standard of perfection

## APIARY.

the honeyber
FRUIT, FLOWERS, AND VEGETABLES
VGGETABLB GARDENING.-Green. 24 pages. 81.25 .
LOWERS AND HOW TO GROW THBM.
THB PRINCIPLES OF FRUIT-GROWING. - Reailerf. 517 pakes. 50 cents.
BUSH FRUITS. Card. 537 pages . $\$ 1.50$.
HORTICULTURIST'S RULE BOOK.- Bailey. 312 pages. 75 cents.
SPRAYING OF PLANTS. - Lodeman. 339 pages
THE NUREERY BOOK
amatrur fruit-growing. - Sammel $B$ Gireatrations. $\$ 1.00$

## PLANT AND ANIMAL LIFE

 INSECTS INJURIOUS TO FRUITS.- Saunders. 436 pakes. $\$ 2.00$

MISCELLANEOUS.
THE HOME PHYSICIAN AND CYCLOPADIA OF MEDICINF


## HOW T0 OBTAIN THESE BOOKS :

remiums for obtaining new yearly subscribers to beoks for cash ATE at $\$ 1.00$ each, according to the following scale :
$\qquad$
for 5
for 12
an careful study of price, which
small outlay in cash, or effort list of books suited to his needs, and for a

The WILLAM WELO CO, LtU, WINNIPEG, MAN.

Want a Cood Watch?

Whave succeeded in procuring from one of the most reliable jewelers
in Canada a complete list of Gents' and Ladies' Watches of suffi-
cient variety to suit every one and mending them to our readers as premiums worthy of an in recomsecure. These are not by any means trashy goods, but first-class

 and take your choicece ood hist of new sulkeribers secomppanied by the cash


Description of Watches. The accompanying cuts fairly well rep
sent all the Ladies and Gente Wate sent alf bene tiadies and Gents', Watches
and a description of each as numbered is follows:
Wo. 1. American Nickel Key-wind Boy's Watch that is absolutely guaranteed to keep No. 2. Gent's Nickel Watch; stemt wind, and push-in stem O. F. turn to set hands. This is a very strong. reliable Watch.
No. 3. Same as No. 2, excepting that it has Gun Metal case instead of Nickel case.
No. 4. Is a smaller-sized No. 4. Is a smaller-sized Gent's Watch,
has sterling siliver case, O.F. Screw Back and
Rezel Bezel; stem wind, and push in stem and turn to set hands. This is the lowest priced Ladies' Watches.

## ew sub

. 15. Gun Metal Swiss Chate. | Neribers. |
| :---: | 4 No. 16. Sterline Silver Swiss ChateNo. 17. Nickel American O. F., large No. 18. Gun metan American O. F., $\quad 5$ 5 and most reliable Boy's or small Gent's Silver

$\qquad$
$\qquad$
No. 22. 7 Jeweled Elyin in 20 year $\mathbf{2 0}$
 No. 24. 15 Jeweled Elgin in 20. year 23



No. $\boldsymbol{\delta}$. Is fitted with
7uality Elgin movemeded Nickel, firstquality Elgin movement. The case is a Boz. O. O.
F. Nickel case ; stem wind and set; screw back
and bezel case No. 6. Same movement in Gun Metal or Black
Steel screw back and bezel case.
No. 7. Same movement with Sterling Silver
O. F. screw back and bezel case. No. 8. Same movement in 20 -year guaranteed
Gold Filled $O$. F. screw back and bezel case No. 9 . 0 . Fserew back and bezel case. No. 9. Same movement in 25 year guaranteed
Gold Filled 0 . F. screw back and bezel case. Nos. $10,11,12,13$ and 14 are fitted in the
same style of cases same stye of cases as Nos. 5, $6,7,8$ and 9 ; the dif
ference is in the movernent and the movement is
15-Jeweled Nickel, firster No. 15. Is a small-sized Swiss O. F. Gum Metal Chatelaine Watch
y with Sterling Sil
No. 16. Is thesame, only with htering.
ver case, which can be had nicely engraved.
Nos. $\mathbf{1 7}$ and $\mathbf{1 8}$ are a good-quality Nos. 17 and 18 are a good-quality
American Wath, O F. stem wind, and
pushin stem and aturn to set hands.
These are a litle pushin stem and turn to set hands
These a are a little larger than the usual
Ladies Watches, and are smaller than the usual Boys Watches, though can be the
for either Boys, Girls or Young Ladies used Nos. 19, 20 and 21 ares mall sized; faet, are the exact size of cut. These, a
American Watches, $O$. F. stem wind, an
push in sten push in stem and turn to stem whand, and
are first-class timekeepers. Will give per-
fect satistact If a nice leather wrist case is desired
with these subscribers, walches, send two extra the acompanying cut. These are regular
Ladies. Hunting Vatches. No. 22 and 24
are fitted in 20 -year guaranteed Gold Filled cases, nicely 20 -year guaranteed Gold Filled
pared, or to be had in
plain or plain enkine turned, and the same
pplies to Nos, 23 and 25 , excend tin

 When making your choice of Watch as premium, be sure to
mention its mumber as given in premium list, also whether
Lady's or Gents THE WILLIAM WELD CO., LTD., WINNIPEG, MAN.

HORSEMENI-THE OI

WANT TWINE.

|  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

V. E. TANNER, Brandon,

FARMER'S ADVOCATE

THE FARMER'S ADVOCATE
 ANDERSON \& THOMAS, 538 MAIN ST. WINNIPEG, MAN. The Sterling Agricultural Society, with head





Wanted

thorns. Young stallions,
bulls, and heifers.




High River Horse Ranch, mign river. а...евта
STRONZA FARM

## Rat Portage Lumber Co.

Do you want Cedar Posts?

John m. Chisholm, Gladstone and Higgins Sts.
WINNIPEG
.


SIR ARTHUR.
$\begin{aligned} & \text { Offers for sale three Cllydestale stallions all prize } \\ & \text { winners, and fit to head any stud. Two of them im } \\ & \text { ported trat. }\end{aligned}$
Two
ported from scolland Three to six years of anke.
These tallions all of tood form. Ample weight,
good colors and
good colors, and choice quality: Were pereonally
selected, and the best that money could buy. In
order to and D. Allison. $\qquad$
Good
urple. A Y, Y, OVA Y Y



of sootch breeding, seven bulls and forty
cows and heitere, mostly all in calf or calf
at toot,
Geo Rankin, Melrose Stock Farm, Hamlota, Man
SHORTHORNS FOR SALE
For Sale: Clydesdales, Shorthorns,
SHOTHONS YORSHIRESAND

HEAD OFFICE : 51 GRAIN EXCHANGE WINNIPEG $\$ 3,000.00$ rite for particulars. LOCAL AGENTS WANTED.
W. S. LISTER,


SCOTCH SHORTHORNS Of the celebrated Giensthan family. Prince
Alphe (Imp.) and Baronet (imp.) 80 HEAD TO SELECT FROM Offers for sale 5 young bulls, and cows and heifers of all
agee, of the most approved breeding. Farm seven mile


Try the Melotte in every way before purchasing a cream separator, and we do not fear the result.


## MELOTTE CREAM SEPPRATOR CO.

243 KING ST., WINNIPEG, MAN.
Maple Grove


WALTER JAMES, ROSSER, MANITOBA


Thorndale Shorthorns.
8 BULLS, under one year, and ato 100 FEMALES, of agee, to choo JOHN S. ROBSON, Manitou, Man. SHORTHORNS


Wm. McDonald, Pilot Mound. Shorthorns
 YORK
 SHIRES
 JAS. BRAY, Longburn. D. FRASER \& SONS,

FOREST HOME FARM.


ANDREW GRAHAM,
 2 Jerseys and I HOLSTEN.

## 

 ISAAC W. PEARCE, Moosomin Da cont
Herefords.

HE R W FORDS

HILL GROVE SWINE HERD


Pedigreed Improved Yorkshire Pigs

Yorkshires.


King Bros., Wawanesa, Man. DR. BARNARDO'S HOME
The manazers of these instiutions invite applica
tionn trom tarms
who






Boundary Herd of Poland-Chinas and Model Tamworths.
Forty head, as yood as any and better than some
is what I am, offering Nerer had a more unitorm
lot of pias to ofter the trade. Prices reasonable. W. L. TRANN. CRystal CITY. MAN Chambers' Barred Rocks are winners. The eshows
 bred by me is fit to head any yard. Write for par
MAW'S POULTRY FARM WINNIPEG, MANITOBA





## KODAK

quality and Kodak film quatity have made the Kodak way the ure way in picture taking. A simple mechanism perfectly
made-freedom from detail in operation these quatities enable the Kodaker to give his entire attention to taking the picture.

Kodaks, \$5 to \$35.
E. J. C. SMITH

Supplies of all Kinds
SMITH ST., WINNIPEG
Northern Pacific Ry.
SUMMER RESORTS,
detroit lakes, minn.

GOS
 P. Tallot, La, Lambat
of the Territorial exv. Lacombe had a
recently. Shorthorn






 Brod wardine has





wardine is Thoe Saspe
few Shorthorns and Le the Shorthorns is the
Honest Tom, a bik. up

$\qquad$

## hires

 nanesa, Man O'S HOME


Poland-Chinas mworths.


анітов

## A K

to $\$ 35$.

MITH
11 K ind
cific Ry,
SORTS,

THE FARMER'S ADVOCATE

GOSSIP
Geo. Nlison, Elkhorn, recenty sold A Shor





Up - to-date Stalls.
build the above stall than any other in use.
Special tie chains adapted for single stalls. Stock drink-
ing basins a specialty.
A. M. RUSH

Box 178 HARRISTON, ONTARIO, CAN.
U. S. and Canada RIIGHTS Promptly Issued.

Lrapge Emglish Berinsinixes.

| GOSSIP. |  |
| :---: | :---: |
| dustrial Fair and resting the cattle for a INSTANTANEOUQ Sheep Dipping |  |
|  |  |
|  |  |
| for the Toronto and Buffalo thirs, writh the |  |
| Prairie Home herd: George Bruce, Sittyton |  |
| bulls. In females, Jenny Lind, Frieda. Village outhouses. Used in the proportion of 1 to 100. |  |
| Regalia. Crimson Mary, Bright Light, Lavender of Prairie Home, Jewel of Prairie Home, <br> FLY KILCER. <br> If your druggist does not keep it, we will ex- |  |
|  |  |
| der of Prairie Homs. <br> The Oak Grove herd of Shorthorns, of |  |
| Bottineau, N. D., are owned by David Clark, Elsewhere in the Dominion, \$1.00. |  |
| governs himself accordingly. A new importa tion from Prairie Home Stock Farm is the winning bull calf at Winnipeg, whowing his |  |
|  |  |
|  |  |
|  |  |

20 EXTRA GOOD YEARLING RAMS

JOHN MILLER \& SONS.
THOS. MERCER, MARKDALE, ONT.
SHORTHORN CATTLE and YORKSHIRE SWINE.

Ama Lalies' College.


REV, ROBERT I. WARNER, M. A.

PLEASE MENIION FARMER'S ADYOCATE


For People Whose Stomachs V'eak and Digestion Poor.















 tur timber berths











$\qquad$
$\qquad$
Wanted Oct, Ist Foreman and she Wharge, wemant farm, atout to mlos from New
lyark, where winter feecing and early lamm
raien
J. R. T., care Farmer's Advocate, London. HIGH PARK STOCK FARM.

HEREFORDS FOR SALE.


CLYOESDALE STALLIONS ALL SOLD.


MR. DALGETY

An one having first class heary dratt or high class
rriage horres may tind a purchaser by writ ing
DALGETY BROS
London,
Ontario


Barclay's Patent Attachment

and
THE BARCLAY MFG. CO., Brougham, Ont.


## Clydesdale Stallions,

- 


 ROBERT GRAHAM, Ringwood P. O., Ont.

BRITISH COLUMBIA AGRICULTURAL ASSOCIATION.
PROVINCIAL EXHIBITION CAPITAL CITY, VICTORIA OCTOBER 1 st, 2 nd, $3 \mathrm{rd}, 4$ th and 5 th, 1901.

For Massey-Ha

bean raisers As we have had frequ
our well kiown
MILLE BEAN we are now prepared to
 160 Lake

WM, SMITH, CI Clydesdale Horses - BURNETT, G Clydesdale horses. Four bulls from 12 to 1

Wm. Brash, A CLYOESDaLE HORSES Clydesdales Imported and home -b
hheep, and the leading var

CLYDE SH SCOTCH SHORTHORN stack of dififerent tayes
ions, colta, and a feew $y$

M. GARDHOUSE,
Ialton, G.T. F : Weston,

4 Imp. Clydes Man rou

[^2]L SOLD.
, yin hat and m: spememer win

San of what
BROS.,
Ontario
ttachment
новses
 mos rougham, Ont.
dale
15,
Smay thast
and

mults.
aham,

IATION
ON

1901

OCATE

September 5, 1901
What Ontario Farmers say about the Massey-Harris Binder
 Masser-Harris Co.. Limit, July zith, 1991. Gentlemen, The new No, ${ }^{4}$ Binder 1 pur
chased trom your akents. Ford $\&$ Jeftre,

 clean cut. 1 did not put on three horses, an my
one span handled it like a new mower. 1 her
 JAMES MOORE Massev-Harris Co., Limited, Toronto:
Dear: Sirs. After kiving the new No.



 mine wow payimp mea vivit and after seeing
mine work delighted wwith it especially re

bean raisers of canada! As we have had frequent enquiries regardin miller bean hafveaters
 overy bean raiing State in the United SLated
Write for catalogue and price. 160 Lake St


Conkh Heave perand lodizes
tion COKE.
\& 1.00 per can. Dealertor or or

WM, SMITH, COLUMBUS, ONT, Clydesdale Horses \& Shorthorn Cattle L. BURNETT, GREENBANK, ONT. clydesdale horsesk shorthorn cattle, and

Wm. Brash, Ashburn, Ont., CLYoesale horses and SHORTHORH CATLLE Clydesdales and Ayrshires Imported and home bred Also Dorset Horned
theep, and the leading varities of poultry.
om

CLYDE SHIRE HORSES SCOTCH SHORTHORNS, LEICESTER SHEEP. lions, colts, and a tew young bulls now ready, Also
choice rans and ewes. Our Hock won lat prize at
and


4 Imp. Clydestale Stallions
 ${ }_{5}^{3}$ Caported hhorthorn
geo. isacac \& bros., bomanton, ont

THE FARMER'S ADVOCATE
CHAS, GROAT
Clydesdale ${ }^{\text {orfrass rus }}$ Stallion
 perfet. One ye seal
Tamworth bred

FOR AALE. $\mathrm{C}^{\mathrm{L} \text { YDEEDSALE stallinos, mares and fillies, repree }}$

 THOS. GOOD,
W. G. HOWDEN, COLUMBUS, ONT, CLYDESDALE HORSES, SHORTHORN CATILE


 Ridgedale Farm Holste'n-Friesians for Sale
 LAKE VIEW STOCK FARM. SCOTCH SHORTHORNs, both seeses, all ageb. TR North om strathalrn P


90 HEAD
 herefords Young balls.
cow,
helfers. The blood of "Corrector," "Eureka," "Ancient
Briton," and "Rupert," an "Anxiety" toundation.
Rend H. D. SMITH, COMPTON. QUE. For Sale Two choicely.bred short horn
 SPRING GROVE STOCK FARM

T. E. ROBSON, ILDERTON, ONT. SHORTHORNS: We are offering tor sale 8
 ROBT. GLEN, Owen sound, Ontario. TOBACCO POWDER

##  Dip.

 ROBRT MARR
ROBERT MARR

Rig. CAStRATION.

PLEASE MENTION FARMER'S ADYOCAIE.
Grain, Jan. 8th. Nand The Strathy Wire Fence Co. omen sound. ont

The Raymond


## Family Sewing Machine

The steadily increasing demand for the Raymond has necessitated the recent enlargement
of old premises and building of new, all of which are being run to their full capacity. THE 19 O1 "RAYMOND" is unsurpassed for style. finish or utility. The above is a cut
of STYE "OROP HEAD"


The Raymond Manuf'g Go'y, Ltd., JOSEPH A. MERRICK, BOX 518, WINNIPEG, MAN.

## Agricultural Gollege,

## young men intending to live on the

(1) Twiconnected with farming

Four Years' Course for 13. S. A. Degree, Sept. 131 h .
Dairy Course, Jan. 4th. Judging Live Stock and Seed
Four Weeks' Course in Poultry Raising, Jan. 10th.
send for circular giving full information as to cost, terms of admission, etc. om

## Men Wanted

To sell Nursery Stock and Seeds on salary or commission. Part or full time. First=class Outfit furnished

## FREE OF CHARGE

We can give you the best chance right now of any firm in the business. If you cannot start now, let us talk it over and you can arrange territory and details and start later. Write us and get terms.
CHASE BROTHERS COIIPANY, Established 1857 . om Nurserymen, Colborne, Ont. "Hinge" Stay Fence


Please Mention The Farmer's Advocate.


Greenweod, Ontario, Canada. HIGH CLASS

## SCOTCH SHORTHORNS




SHORTHORNS.

SHORTHORNS (imported)
THOS. RUSSELL. EXETER P. O
SHORTHORN CATTLE and LINCOLN SHEEP
 J. T. GIBSON,

SPRINGFIELD FARM
Shorthorns, Oxfords



## notices.

##  <br> $$
\mid
$$ <br> . <br> . <br> \section*{ <br> <br> } <br> <br>  <br> <br>  <br> <br>  <br> <br>  <br> 

## de <br> b

## 

| and |
| :--- |
| An |
| anr |
| The | any desired designed to carry the cut forder to

by the Belle City Maver mantactured
cially Poplecturing Co. ic espe
wall by the Belle City Manufacturing Co. is espe
cially popplar for its simplicity and ease with
which it may be adjuted to old or new ma
chines. This can bid





 turing Co of Racine, Wis, and have run it
with a 12 horse power gatoline engine and a
Parsons feeder to our entire satisfaction. A.
a flax machine, the Columbia has no equal. We
 tild. We find that we have been able to thresh
all kinds of grain and put it it ine wagonat a
lespoost han it would take to stack the ain
 eral times in the afternoon, and expect to make
a better record this fall, as the machine is jus,
as good as new, and we have more experience.

## GOSSIP.

English Shorthorns, topped with Cruick-
shank bulls, are advertised in this paper by
Mr. Wm. Bell. Alnwick. Northumberland, who


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

## HILLHURST SHORTHORNS

 By Scottish Archer. By Pride of Morning. By Silver Plate.

Shropshire and Hampshire Down Sheep.

Rapids Farm Ayrshires.

Toronto, London, and Ottawa, in 1900.
Come and see or wite for prices.
Robert Hunter, Manager
for W. W. Ogilvie Co., Làchine Rapids, Quebec.

## mas mexas Gombalut's naws mexs

## Caustic Balsam

## IT REMOVES BUNCHES

on horses or any other live stock, thereby increasing
the value of the animal fully 50 per cent.
Horse Owners Should Use

IT CURES Curb, Splint, Sweeny, Capped Hock, Strained Tendons, Founder, Windpuffs, all Skin Diseases or Parasites, Thrush, Diphtheria, Pink Eye, all Lameness from Spavin, Ringbone, and peerless remedy for all Throat and Bronchial Troubles. Impossible to produce any scar or blemish.

It is the safest and best blister. A trial will surely convince you of its merits.

The Lawrence-Williams Co.. CLEVELAND, OHIO.

TORONTO, CANADA.
GOMBAULT'S Caustic
balsan " wio ONLY GENONE

## Caustic <br> Balsam

The Great French Veterinary Remedy. SAFE, SPEEDY AND POSITIVE CURE.

AND ABSOLUTELY SAFE AND RELIABLE BLISTER.


# EHORTHORNS 

SOOTCOH IMMOWHEN.

H. CARGILUI \& NON,
5.4

High-class Shorthorns and Yorkshire Pigs


gas midarthur, gobles. ont
 NOW, FOR 'THE FIRST TIME,

 before sturting tor the etore - Girat inducements to HENRY STEVENS \& SONS. To Rid STOCK of Flies, Lice,

## West's Fluid

CONTAGIOUS ABORTION standard shoep Dip is Good, alto Cheap manutacourera : The West Chemical Company,

 NewCastle hero of Shorthorns and Tamworths One choice 2 year-nld heifer. About
a dozen boara, ranging from 2 to 4
 J. R. McCallum, Iona Station, Ont, Offers young SHORTHORN BULIS S and
HEEFERE, of choice breeding, at reasonable prices YOUn. on m. ©. YOUNG SHORTHORNS ${ }_{\text {sar }}^{\text {SAL }}$ Our present oftering inctudee several cholee
young bolts ft for service, sired by "scotland Yet,"
nd out
 A. © D. BROWN. GREENGROVE HERD OF SHOATHORIS tains such Sootch-bred tribes years ago, and cun

 young stock for sale. For prices and particulars
addresg GEORGE O. FLETCHER, BINK
HAM, ONT.

Shorthorns, Berkshires, Leicesters
 Hawihorn Herd of Deep-Milking Shorthorns
 Wm. Grainger \& Son, Londesboro, Ont. English Shorthorns.
 nathenent Fum wm bele
GEO. RAIKES, BARRIE, ONT SHORTHORNS \& SHROPSHIRES SHORTHORNS
$\qquad$ BONNIE BURN STOCK FARM
$\qquad$
$\qquad$

Maple Lodge Stock Farm

 Lamme tor ale aLEX. W. smith.

## HOISTEINS




4 HOLSTEIN BULLS 4



Maple Olen Stock Farm

 Prices according to quality en Gillioy \& SON
F. L. GREEM, GREEWWOOD, ONTARIO, St. Lambert Jersey Cattle and Yorkshire Pigs.
 Pan-American now. A lot if very chot, ce York-
shires on hand. Ago Barred Rock, Light Brah-
mas, and Bronze turkeys. Pricea right.
om BRAMPTON JERSEY HERD
 Aloo some heiterr in cincalf
cows and heiferg, freat B. H. BULL \& SON, BRAMPTON, ONT. JERSEYS FOR SALE. Two choice bull calves of the highest breeding
and of true dairy type, at moderate prices.
om $\frac{\text { SP-KDIN PARK FARM. }}{\text { SPLENDID }}$

## Jerseys for Sale,

 MRS. E. M. JONES, CHOCE AYYSHRE BULLS.

## 

Water Basins.


The Woodward Water Basin.

Int. Wind Engine \& Pump Co , Ltd,

Rapid-Easy
Grinders

J. FLEURY'S SONS, AURORA, ONTARIO.
the ontarlo veterimary college
temperance st.. Torionto, canada
Aflliated with the University of Toronto.


TREDINNOCK AYRXHIRES








PEDIGREE AYRSHIRES
Cows and heitere, all bred drom prizewining
Hock at the leading shows.
orm
SHEEP BREEDERS' ASSOCIATIONS



## W. W. Chapman,

orrone or the Nantional shoop Brood-
 Ond Lito soopreary or the soathoown
Bhoop socioty.

 answorod
Ldaroee : PITRALAN HOUBE, ARUNDEL
OZDlom- Sheop BTAND, LONOON W,
 OUS ALL OVER THE WORLD ALFRED MANSELL \& CO LIVE STOCK AGENTG AND EXPORTERE,

 HAMPSHIRE DOWN SHEEP. great weight

English Breed of Sheep

IMPORTED Corswolos

SEPTEMBER 5, 1901


The Patent I
HECLA F
is the most valuable in construction in recen
this patented method iron which go to m
radiator into
$\mathbf{O N E}$ There is no danger of house. Another featu
EYERY KIM
COAL, WOO Send us a aketch of
give you an eestimate.

CLARE B
PRESTO
,
BROAD LEA We have a choice lot of 1
our imported rams, Roya King litt, some weighing Yood shearling ewes and r
wees and rams Atted for sh wee and rams itted for sh
we are offering for sale at
HENPY HENRY ARK
Phon and telegraph, ' Farrnam Farm Forty superior yearling extra. Forty yearling
rams.
ambs. Stock good and HENRY
Guelph, Ont., G.T.R.

Shropshire
H.

HROPSH
LAMBS FOR
BKINSLEY P .
50
SHR Searling and two-shean
John Miller \& Sons,
Son ready for the fall red by Maysell, England.
rill bring them. 1901 Imp
and cobert milleer, W. H. BEATIE, W Shropshire sheep, collie
Mammoth Bronze
turke IIGH-CLASAS
A tlock of 75 , of goo ohearling rams, ram lam
fellows. Flock headed by
for prices. Abram Rud

PLEASE MENTION F

## INDERS

$\qquad$

ONTARIO.
ERTIAEMEATS

Intoop Brood Kont or Romnoy of the soathdown Aroue, krpurior anal doxproto on oom-
don, and all engalroe house, anumoth om ELL \& CO AND EXPOCRTERS,



E DOWN
EP.
$\underset{\text { EIGHT }}{\text { GOOD }}$
of Sheep

I WLENCE,

RAMS.

PPLEY'S COOKERS.

TV Tswous

SEPTEMBER 5, 180


The Patent Fused Joint

## hecla furnace

is the most valuabie improvewent in furnace construction in recent yearr. By means of
this patented method we fuse the steel and
to
 radiator nio aner of cement falling out, to
There is no danger one
lee the dust, smoke and gas eacape into the let the dust, smoke and gas easape into the
house Another feature of the Hecla is that
it will bund

EVERY KIND OF FUEL
COAL, WOOD OR PEAT. Send us a aketch of your house, and let us
give you an eeftimate.
CLARE BROS. \& CO.,
PRESTON, ONT.,
and WINNIPEG, MANTTOBA. om
BROAD LEA OXFORDS

 god shearling ewes and rams. Also a tew shearling
ewee han rims fitted for show purpoes. Allot
we are offering for sale at reasonabie prices.
 "Farnham Farm" Oxford Downs. Forty superior yearling and two-year rams. Two
extra fine imported rams.
Sixty
yearling
ranch extra ine imported rams, Six ty yearling ranch
rams. Forty yearling ewes.
lambs. Stock good and prices reasonable.


Shropshires for sale.
C. H. ROW E,

SHROPSHIRE
lambs for sale.
4

50s.ficios. 50 FOR SALE:
FOO-shear ramms aloo stock ram, bred
Shis season's crop



## 1901 Importation


W, H



pLEASE MENTION FARMER'S ADVOCATE,

THE FARMER'S ADVOCATE
FAIRFIELD LINCOLNS.


J. H. PATRICK, ILDERTON, ONT., CAN. One mile from llderton.
10 miles from London. Post omeme. Therergraph. omce.
sunnmer Hill Hera
HEADQUARTERS FOR THE IDEAL BACON HOG AND EASY FEEDERB.


The largeet herd of importod and Canadian-bred Yorkshires in America. Out of 121 exhibite at the




" ONE GRADE ONLY AND THAT THE BEST.' our motto for thirty - four vears.

Our aim is to produce "THE BEST" carriages at a reasonable price, and most intelligent farmers know that
MCLAUGHLIN CARRIAGES
ARE GOOD CARRIAGES.

Always
Reliable.


Here's our new factory: the largest and best equipped under the British Flag. ANNUAL CAPACITY - 14,000 HIGH-GRADE VEHICLES.
wor CUTTERS, SLEIGHS, AND CARRIAGES
at all the leading exhibitions, and ask our representatives all the questions you like about any of them.

OUR CATALOGUE AT ALL AGENCIES, OR FOR THE ASKING.
We are making 3,200 handsome Cutters and Sleighs for the season.
the mclaughlin carriage coi, OShawa, ONt.


SHROPSHIRES WILLOW LODGE BERKSHIRES $\underset{\text { ERA }}{\text { ERL }}$
at holwell manor farm.
Extra choice ram and ewe lambs from imported
Mansell rame. Single or in large lots. Satisfaction
varanteed or money retunded. Also Sarred
guaranteed or money ref
cockerels at $\$ 1.50 \mathrm{a}$ pair.
D. G. GANTON, ELMVALE, ontario


FOR SALE : Berkshires (both sexes), shorthorn stock bull, cows, heifers ard young bulla. Priees reasonable. Write or come and see us. Fresh Berkshire Blood, trom the moot noted the U. S., Including among others the fimouse sow,
Elphick'
 gelendd length and type. Also young sotw, rred ot
good boars. All at very reasonable prices. We are

 IMPROVED YORKSHIRE - $x^{25 * 5}$ Importer and breeder of choioe Large White York-
shires and Shorthorn catile. YORKSHIRES Boars fit for service, and young stock of both
sexes on hand and for sale. WILLIAM HOWE, NORTH BRUCE, ONT TOIRTEESIEITRIコE either sex ; 2 sows to farrow. WM. TEASDALE, DDilar, Ont.
Northern branch G.T. R., 15 miles from Toronto.
FOR SALE

Yorkshires and Holsteins
 BARRED ROCKS (Exclusively). I have a few to two years old to dispose of at 75 c . apiece. Will
also have a quantity of cockerels and pullets later on. A. E. SHERRINGTON, Box 100 , Walkerton, Ont.

## THE FAMOUS WHITE SEWING MACHINE．

| PRICES： | Emost perfect，osas－runing |  |
| :---: | :---: | :---: |
| \＄30．00 | mieasure in mill that the word | Copy of |
| \＄35．00 | Oothem．Each manhin ofted with | ＂WHITE＂ |
| \＄65．00 | let | Booklot． |

THE LONDON FENCE MACHINE









The London Fence Machine Co．


## P日工星 PIANOS AND ORGANS

built to last a lifetime by the
The Bell Organ\＆Piann Con，Ltal，Guelph，Ont，
（catalogue no． 40 free on hequest．）
J．J．H．M$L E A N ~ \& ~ C O .$,



TWENTY－SIX YEARS
The Leader 1901. PROGRESS．

## The Ascendancy

## DOHERTY $=$ ORGAN

Experience，Probity，Progress，and Superlative Merit

## W．DOHERTY \＆CO．，

CLINTON，ONT．，CAN．


Vol．XXXVI．
DR．WAR ULCER the modern wound Read the Following ＂Its healing powers are wo
a great healing remedy．＂ skin．＂．＂My rriend said sa
Ulcerkure and he is now as
 out a prairie fire
worked like magic． Sold by all drugkists a
\＄1 per bottle．Send 3c．in Western Veterinary Co BANK of H head o HAMILTON．
Paid－up Capital Reserve，\＄1 Total Assets，

ввассне і，
Winn
Corner Main and
BRANDON，
ARMAN，
HAMIOTA
MIOTA，
PLUM COUL
Denosits Received ar
general bank
transa Collections carefully and
point in Canady
porrespondence solicited． WILD AND IMPROVED Severan good farmov ap
the celetrated Edmonton d
Termur reasonable．Appl Terms reasonable App
O．C．PEDERSON，Box
$\square$ in Br
tor buternaxing，,
lime or other minpur


Win


[^0]:    London Printine \& Litho. Company, Ltd

[^1]:    His Amazed Danghter

[^2]:    PLEASE MENTION FARMER'S ADVOCATE.

