## PAGES

MISSING

##  <br> Clearing Sale of <br> Used <br> Pianos

In a great piano business, such as has centered here, there are many chances for bargains-pianos that have been rented or pianos that we have taken in exchange. We frequently have sales of such instruments, but just at this season, when pianos that have been on hire during the winter are returned to us, it is imperative that they be sold quickly. We have marked the prices low enough to insure this, and advise an immediate reply to secure the instrument of your choice.
Some of the pianos Some of the pianos were new when hired, and have been used but a few months ; the others, though they have been more used, are in perfect order, for our repair experts have after careful examination pronounced them so, and we endorse their verdict with our fullest guarantee-the same that accompanies any new piano

| Terms of Sale. |
| :--- |
| 1. We guarantee every piano, and agree to pay |
| return freight if not satisfactory. | 2. A discount of 10 per cent. off these prices for cash.



Broadwood-7-octave Broadwood \& Co. square piano, case handsomely finished in rosewood, with Price when new, $\$ 350$; now legs ard lyıe, serpentine mouldings, etc.; a fine piano, thoroughly re-made. Weber \& Co.- 7 cartave square piano by Weber \& Co., Kingston; handsome rosewood case, with
 Dominion - 7 - -actave square Grand piano by The Dominion Co., Bowmanville, handsome rosewood
 Thomas-7t-octave upright piano by C. L. Thomas, Hamilton; dark case, with polished panels carved parts of best quality; height, 4 feet 3 inches. $\quad$ Price when new, $\$ 350$; now............................. $\mathbf{\$ 1 6 8}$
Dominion-7 $7 \frac{1}{3}$-octave upright piano by The Dominion Co., Bowmanville ; ebonized case, with polished
4 panels carved in relief; tri-chord overstrung scale; in as good order as when new ; height,
 Wormwith——nectave upright piano by Wormwith Co., Kingston; walnut case, with full-length
 Karrn - $7 \frac{1}{3}$-octave piano by D. W. Karn \& Co., Woodstock; rosewood case, nicely figured and double Nickel \& Gross action; a fine piano; height, 4 feet 4 inches. Price when new, $\$ 3500$; now............. $\mathbf{\$ 2 2 5}$

 Karn- ${ }^{71}$-octave cabinet grand upright piano by D. W. Karn \& Co., Woodstock; handsome walnut case, double veneered throughout, polished panels, colonial carving in relief, best Wessell, Nickel $\&$
Gross action ; a splendid piano ; height, 4 feet 8 inches. Price when new, $\$ 500$; now................. $\mathbf{\$ 2 4 5}$ Gerhard Heintzman - ${ }^{7}$ loctave boudoir Grand Gerhard Heintzman piano, beautiful mahogany Gerhard Heintzman improvement, and the less than nine months' use it has had but makes it the more
delightful to play on. Regularly $\$ 400$; now...................................................................
 piano of this style, for it's a more costly style than we care to rent, but this has had a little use as an
auxiliary concert piano. Price when new, $\$ 450$; now........................................... $\$ 2 \mathscr{2}$.

## Gourlay, Winter \& Leeming

188 YONGE STREET, TORONTO.

Mr. J. E. Arnold, Grenville, Que., has added to his list of stock horses the fancy Hackney staltion, Ryedale Revival
7976, imported by Mr. Robt. Ness, Howick, Que.

In the list of accepted, recent butter
tests, published May 2cth, American Jersey Cattle Club, are nine records of cows yielding in seven days

If you can see no beauty about you, and now, you are sadly out of harmony with the true spirit that produces happi--

Comsider the porous plaster, my son remarked the philosopher, " and don't
get discouraged. Everybody turns his back on it, yet it hangs on and eventu-
ally achieves success tion."

IMPORTANT SALE OF IMPORTED Clydesdale fillies. Graham Bros., Claremont, Ont., give
notice that on Monday, June 23rd, they will sell at auction, at Grand's ReposiSmith, proprietor) ${ }^{\text {(Mr. }}$ 50 registered imported Clydesdale flllies, aged one to three years specially selected by one of the firm of
Graham Bros., who is Graham Bros., who is accompanying the
horses across the ocean, and which will
arrive and arrive here about the 10th of June
These fillies and These fillies are from such noted sires as
Baron's Pride, King of Roses, Prince Baron's Pride, King of Roses, Prince
Thomas, Up-to-Time, etc. Walter Harland Smith and Geo. Jackson, auction
eers. Full particulars in advertisement in "Farmer's Advocate ". next week.

## Getting rich easy.

According to the story told to United
States Postal Inspector Charles Lester Murphy, the only requieite to the successful operation of a swind-
ling game is to write letters at random from a readymade mailing list, and then sit down and wait the arrival of letters containing money.
Inspector Mehary found Murphy sitting on a rail fence at his home at Berkeley
Heights, N. J. The Inspector was unable to believe, the alleged swind ler he sought was the barefooted, gawky and altogether uncouth country lad who
responded to his inquiry responded to his inquiry for Murphy by
saying : " That's me. What do you want?
some time . postal authorities have for swindler, who was sending letters to farmers in various parts of this country recipients that These letters informed the
the sender, "J James B Murphy, " was in possession of valuable
stock, which he was stock, which he was ready to sell at
ridiculously low prices. $\begin{array}{lll}\text { ridiculously low prices. } & \text { To some hts } \\ \text { stock was Weatern Union } & \text { Telegraph, to }\end{array}$ others he offered Marconi Wireless, but
to most he offered "Lunar Oil ComP.J. Robb, of Lima, O., sent $\$ 75$ for Robb failed to receive his money's When he complained to the post office authori-
ties, and it was through his complaint
that Murphy "You've got me all right," sald this
youth to Mehary. Then he told the inspector that he had just taken a notion send the letter after he had got
possession of a " mailing list," which had been sent to him by a publishing
house, and for which he had paid 25 c . "I didn't think so many answers would in fast. Some had money in them in amounts of $\$ 50$ and $\$ 75$. I made about
$\$ 500$ clear on the scheme in a few weakg $\$ 500$ clear on the scheme in a few weeks.
I did not send the stocks I promised, be cause I didn't have any. I just made up
the Lunar Oil Company in my own mind. the Lunar Oil Company in my own mind.
Geee, but ain't some men easy marks?
Murphy was taken before United States Commissioner Whitehead, and pleaded
guilty. He sald he did guilty. He said he did not want no ex-
amination, nor nothin', , and was com-
mitted. He is 21 years old.
mitted. He

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 W．H．COUPLAND，

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 HIGH－CLASS PHOTOGRAPHS．


cossip． Prince of Archers，Bruce of Heather－
wick＇s stock bull for some time，has been wick＇s stock hull for some time，has been
sold to Jno．Ross，of Meikle Tarrel．
He was a son of the great Scottish Archer，out of Primrose 3rd，by Norse man．The following note we made on his appearance when looking him over a
couple of years ago：A massive roan，well－covered with flesh，deep and
hick through the heart，and with a good touch，a bit wide at the hooks，and a Iittole spare Dack of thenti＂，
In the dairy test at the Bath and West of England Show，at Swansea，last
month， 19 cows competed for the Eng－
lish Jersey Cattle Society＇s prizes for the lish Jersey Cattle Society＇s prizes for the the test of the churn from one day＇s
milk；the period of lactation also being milk；the period of lactation also being
taken into account．The cows were divided into two classes，over and under 900 lbs ．，and consisted of the following
breeds： 15 Jerseys， 1 Guernsey 1 Kerry oreeds： 15 Jerseys， 1 Guernsey， 1 Kerry，
1 South Devon，and 1 cross－bred；of these， 4 Jerseys，the Devon and the cross－bred weighed over 900 lbs．，and in this class，Dr．Watson＇s Jersey cow，
Guenon＇s Lady，won first prize and Guenon＇s Lady，won first prize and gold
medal；yielding， 210 days after calving． 32 lbs ．milk，and 2 lbs .9 ozs．butter； ratio， 19.21 lbs．The first prize，in the class under 900 lbs．，and silver medal，
went to Lord Rothschild＇s Syren 3rd Went to
（Jersey），who calving， 44 lbs milk，and 2 lbs .7 l ozs． butter；ratio， 17.89 lbs．

DOES DAIRYING PAY？ ter season，and have made between them has been in the neighborhood of 25 c ．all winter．It may be a fraction more or
less，so it will he fair to average the price at that figure，which would amount
to the sum of $\$ 11,79650$ to the sum of $\$ 11,796.50$ ．
The figures are：Innisfail， 27.559 lbs The figures are：Innsfail， 27,009 hos．
Red Deer， 19,627 lbs．
Innisfail had 119 patrons on the hooks and Red Deer， 97 ；but only half，or less than half，of these sent cream in all
winter．That means that only about 100 dairymen in the Red Deer district who didn＇t get any，don＇t you wish now that you had sent in your cream？And not be better satisfied if you had sent in
more？And why not？ might just as well have been $\$ 20,000$ ，or
even $\$ 40,000$ ，if the patrons two creameries only say so，and it only results in good all round，for the
patrons who have supplied the cream have not only got a good price for it，
but their cows have been better lo after，and，therefore，in better condition per cow during the summer．Mau more
find that those who make the F the business and are the best satisfied
are those who push it the hardest support the creameries all the year round．Almost any patron can send in
cream all the year round，if they only
will it so easier it is to do．Any cow can be
milked ten months cared for properly ；and the cow and the dairyman will beth be the better for it，
so will the creamery，to say nothing of
the the storekeeper，implement agent，black
smith，etc．Now isn＇t it worth doing your little best to get ready to support
your creamery next winter？That money might just as well as not be
doubled． The Government asked the directors of
the Red Deer creamery to guarantee a make of 20,000 for the winter．Do you
notice how close they came to it－373 Ibs．short of the estimate．Ten patrons
putting in only 50 lbs ．each would have putting in only 50 lbs ．each would have
put us over the mark，instead of under think of next winter when we are ant
the a litle out of place to leginning the summer season，but the
facts are now fresh，and we recolect facts are now fresh，and we recollect
things that may be forgotten next fall， and the patron who intends to send
cream in durinc the winter censon cream in during the winter season must
prepare for it in the summer．Almost any one patron can make up the Red
Deer deficiency if he only would，and if all the summer patrons would only try nile on the faces of the people of the

# The OHIO Gasoline Engine 

has less parts to it than any other engine we know of and that means there is less to look after and less parts o go wrong．Being so simple，they are eas from $3 \mathrm{~h} . \mathrm{p}$ ．to 20 h ．p．A post card to us will bring our catalogue

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UNE 15, 1904.
No. 612

## Editorial.

The Live-stock Catalogue at the Shows " Many of the live-stock exhibitors are loud in
ouncing fair managers for allowing horso ract denouncing fair managers for allowing horse rac-
ing and vaudeville to bulk so largely at the big ing and vaudeville to bulk so largely at the big
shows as 'attractions,' for which condition, they, the exhibitors, cannot be considered free from blane.

Such a statement by a careful observer is with the incompleteness of the livestock catalogue usually found at the big shows. The in formation intended to be given in the catalogue is of the greatest value to an exhibitor of live-stock, buing the cheapest on-the-spot advertising he can he should give the association every assistance in getting out a reliable, up-to-date catalogue. To
often, the exhibitor thinks it a hardship to bother with the catalogue. He balks at the stock parade. in fact, this spoiled darling of the shows has, in some cases, got the idea that he is the only person to be considered in the running of the show.
At the old Country shows, the catalogue is reliable, and is used and appreciated by the
visitors, as it is a great aid to locate any animal visitors, as it is a great aid to locate any animal
and learn its breeding, age and ownership, thus assisting in the study of the live stock. The more the visitors study the stock the better for
the whibitor. A catalogue cannot be gotten up by any association, to be of use, unless the exhibituir does his part by carefully filling out the entry form and by sending it in in good time to
the show manager or secretary. A catalogue withthe show manager or secretary. A catalogue with
out the color, weight, height, pedigree number breeding, and correct numbering, is valueless, and
if the benefits from this handbook are to the stockman must see that either he had Che stuckman must see that either he or hi assistant wears the number given to the par
ticular animal in the catalogue when in the show ring ; not only so, but a duplicate number should be ticked up in a conspicuous place in that animal's stall.
The adivantages of exhibiting stock at the big shows are many, especially if one is fortunat
enough to be a winner. The advertising obtained the chances to make sales, and get a share of the prize moneys, all contribute to pay, and pay well, their part by sending exhibits forward in good shape, by being neat in their dress, especially
while in the ring, and by giving all the information possible through the catalogue, and those doing so can rest assured that such efforts will return
many fold for the exertions made. usiness to do as suggested. Note how anxious a merchant is to give all information regarding his goods on "xhibition, and how neat and at-
tractive exhibits and attendants are. There is no excuse for stockmen being less careful or husi-
nesslike. 'Tle fellow who hangs back from following out the rules of the association, by not furrishing the information for the catalogue, by
uutidiness, by coming into the ring without his number, or by being late and hery in... Hees and other exlibitors waiting, deserves to suffer, and
should be penalized by the association. Allowing him to go scnt free is not fair to wher ex-
hibilors who are trying to do what is right. In this conne.tion, any fair of importance should
have a salatied livestock sulperintentent, armed vith proper authority, to compel the observance romptly for tha, classes. well is the hundred and one other things that in the practical two-years course? If taught at

## need looking after. It is unreasonable to expect all, it should be relegated to the four-year courses directors, unpaid, to do this work

 times disagreeable. In this matter, there is room and even then it is worth while remembering that for improvement at Winnipeg and Brandon. The to the mining engineer than to the fly of interes appointment of a man as suggested would aid in the successful, frictionless running of the big at-traction-the live stock end of the show. Ourshows are past the stage (or should ho) whon sitserhaps, necessary or good policy to be lenient whing untidiness, lack of business methods, or any thing but straight dealing. The visitors money they pay at the gates which makes the show possible, and when article charged people to see those exhibits, every facility to comfortably see the exhibits should bo affordely by the management and the exhibito

The University and the Agricultural College Course.
people who have which were making for the establishment of agricultural college in Manitoba, that there was strong tendency on the part of the educational authorities to so arrange the studies that the University would be called upon to do part of the teaching, and for the farmers' college to foot the say that the Tniversity would profit and when we cultural college lose yet dawned upon the University party that their faculty is unfitted to teach the subjects which should be taught in the college. Teachers for agricultural colleges have to be specially traineda training not obtainable from the departments of universities from whence the faculty of Manitoba University is recruited. The University authorities plead that they should teach botany chemistry and geology to the agricultural college students, and the reason for such a plea is not
that such a procedure would increase the efficiency of the college teaching or make it moro practical, for the reverse would be the case, but that by thus dividing the work the burden of exnutshell, the University authorities would use the agricultural college to help carry the liabilities they have incurred, or are about to incur. We
have mentioned three subicects. which the University people think thew should undertake for the agricultural student, of which one is geology. It would be interesting to know,
$\qquad$
$\qquad$
$\qquad$
$\qquad$ers' college. One excuse might he given, vi\%:aghicultural colleges, and, therefore, should be inno excuse or reason at all. Recause educationist
the latter person there is sufficient feologi For formation included in the teaching of agricultural physics-a subject taught by the professor of argi culture-hence, there is no need for a specint separate course, or an expensive university pro fessor on the subject. Geology is defined as the department of natural science that treats of the present constitution and structure of the earth and the operation of its physical forces; also, , hysical past, including the causes and modes of and the occurrence and developdescrintive histo. In other words, geology is andition as how the earth is in the stages of evolution through niticates the various world travelled up to the begining the animal 111 of which is very interegting feaching of which would fong, no doubt, the the time of a himhold afrora the partial use of pulent university (we say opulent whe from our ution can afford to advertise for sien an instiat $\$ 2,500$ a year each, to teach possibly pressorn red students six or seven months of ene han We strenuously object to the teaching of such subect, or to the cost of a professor being foisted on the agricultural college, or that the farmer of a subject of no practical value for the teaching but introduced merely to keep a profsor gaged so that he may earn his salary the Uni versity otherwise being unable to keep him fully The study of Geology, to be of any value to the farming interests, calls for a proper classifi cation of the formations, for proper geographica sarveys to be made by competent reologists, with haps of the surveys (things hard to got, ac yet, taie first foot of soil keeps the farmer busy
what a matter of fact, the first foot of soil is He concerns the practical farmer, who, in locatlogical pemuliaritios not on account of its geophysical features, proximity to maccount of its evidenced by the growth of trees and grasses, the was and texture of the soil, the depth of which was judged by the use of the spade, the proximalkali and atren fron alkali and sloughs. The farmer, then, is here with the fond is concerned with to-day and make the best of what to shape his course to height of absurdity to load the curriculum of the armers' professional school with subiects of no practical value to him. In fact, all the geology sary for the man to know who has to make (cw lecturros-half ang can be obtained in a very Nofessor of agriculture (agronomy). The teach ing in agricultural physics and agricultural hemistry in the agricultural colleges dovetails vellogical character necessary to any farmer of he farmer or farmer's children are taucher. fate methods of feeding and breeding animale animal hushandry), together with dairying some horticulture, and domestic science, the subject of Irifts and schists, syenite and basalt, orthoclase Aaspar and gneiss, the hyracotherium and Bos and profitably be left ont of the agricultural col

IHE FARMER'S ADVOCATE $\begin{aligned} & \text { tobe wheat is second to none in the world for } \\ & \text { breadmaking purposes ; and are the "dusties }\end{aligned}$

## and Home Magazine.

CHE LEADING AGRICULTURAL JOURNAL IN MANITOBA

## the william Welw company (Limitrd)

 Imprial bank bloc inperial Bank Block, Cornerk Bannatyne Ave. and Main St. ent Calgary, Alberta. Eastrrn Office:Carling Strebt, London, Ont W. W. Chapman, Agent, Mowbray House THE FARMER'S A
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individual connected with the paper. Address-THE FARMER'S ADVOCATE, or
$\qquad$
The Future of Western Wheat Milling In a recent issue, a Toronto publication,
through a stafi correspondent who has been travelling in the West, took occasion to inform likely to be able to compete with eastern mills, that the quality of the flour male in Manitoba is not equal to that produced in the small mills of Ontario, and that there are reasons for beferred to Eastern Canada
Assertions of this class coming from an east ern publication, where, unfortunately, a few manu facturers appear to believe that the west was
made for the east, are not altogether surprising. It is unfortunate, however, that the author of the article in question did not get close enough to solutely no reason for believing that wheat milling in this country will not continue to increase the increase in wheat growing. As far as the necessary power to run mills is concerned, the demilling in Winnipeg quite on a par with the same industry in Ontario cities that expect to benefit from the cheap electric power now being developed at Niagara Falls. In the matter of coal, too,
Manitoba millers are within quite as casy reach of coal mines as are the inmers of Ontario. At
the Souris mines in South-western Assiniboia there is an immense supply of coal of a quality quite satisfactory for manufacturing purposes, and
as our railway systems continue to develop and cheaper rates follow, coal undoubtedly will be
laid down in Manitoba towns at a much less cost laid down in Manitoba towns at a much less cost than at the present time.
The statement that Manitola manufactured The statement that Manitola manufactured
flour is inferior in quality to that made in the
under whose direction the "busy wheels g round " not men of skill quite equal to those closer to the Attantic seaboard? Is it not truc, wheat when they desire to produce a high-grad flour, and is it not equally certain that baker's who have compared eastern and western made flour prefer the latter every time. A compariso of the market prices which Manitoba as against Ontario flour are commanding at the present time show conclusively that the former is of a fa
WESTERN MILLS ESSENTIAL TO GOOD CROPS.
In the face of these facts, is it not, therefore apparent that the wheat-milling industry of Man toba and the West has a brilliant future before it It is very important to the farming interests that it should be so. First, because the offal, includ-
ing bran and shorts, will be required in this coun ing bran and shorts, will be required in this coun-
try for feeding purposes. They are needed, too, try for feeding purposes. They are needed, hao
because the elements of plant food which have been taken from the soil in the growing of wheat and which are contained in the bran and short turned in the form turned in the form of manure to the soil aftes districts of Southern Manitoba are beginning to show that the virgin fertility is not everlasting and ene way to maintain it is to mill the wheat in the country, and retain the bran for feedin purposes. It is important, too, that wheat mill purposes. $t$ ing population which the development of the industry will bring. The are located, and the manufacturing of wheat int flour, bran and shorts in any town means stimulus to its commercial life which should not be lightly estimated.

## Yorses.

## Percheron Horse Registration.

 It should be noticed that the Dominion Fai athorities win certificate from the new Percheron Association, which Secretary Stubblefield has charge. This is in line with the regulation of the U. S. Bureau Af Animal Industry, which recognizes only the cocord mentioned by the Winnipeg people. Man and loud are the complaints being made to us of French draft breed, and, we understand, severa of the so-called pedigree certificates (in man cases only typewritten copies) now being sent byowners of horses to the authorities at Regina will owners of horses to the authorities at Regina will
not pass muster entitling the horses to be ennot pass muster entitling the horses to be en
rolled as pure-breds. We believe the Territorial Department of Agriculture is determined to do all farmers with these imported horses, some of which have been sold at treble their value. The
dishonest stallion seller and the ignorant buyer are severe hindrances to the successful prosecution of horse breeding in this country. It would do good if the courts were invoked to deal some of
the crooks a dose of confinement in the King's hotels.

The Abuse of the Check Rein practiced on horses is in checking their heads up practice originated it would be difficult to the At any rate, it has come down to modern times
and is indulged in by would-he horsemen, with the intention of improving the appearance of our noble friend. To good horsemen, nothing is more
distasteful and more readily criticised than the appearance of the check-rein. It is on drivin horses that it is to be seen most commonly, but
it is with the heavier breeds that there is the leas it is with the heavier breeds that there is the least
excuse for its use. Not infrequently, a pair of drafters, or an agricultural pair, may be seen
pulling a heavy load with the bit nulling strongly on the check-rein. When pulling a load, more than at any other time, a horse needs the free use of
his head. If it is, desired to have horses that carry high heads, the colts should be trained to
do so, and the breeding stock selected for this do so, and the breeding stock selected for this
trait. It is not a difficult matter to train the

## Hernia or Rupture in Foals

hernia or rupture is a tumor formed b the displacement or escape of a portion of an in lernal organ the walls of the cavity. It proiects opening in the ware or less soft, fluctuating tumor, enclosed by the skin. Abdominal hernie are divided into reducibie, irreaucibio and stran
 matic, according to thelr situation.

A hernia is reduclble when it can readily be re turned into the abdomen. It consists of a soft fuctuating swelling, unattended with heat, pain or uneasiness. Its size and consistence varie somewnat, accort when the animal couchs it comes tense, larger, and communicates a sudde impulse to the hand of the examiner
A hernia is irreducible when it is not stranguatea, but yet cannot be returned into the abdo 1 st , the bulk of the protruded organ is out o proportion to the opening through which it would ; 2nd, adhesions of the protrude of organizable lymph

A hernia is said to be strangulated when the contents of the sac, by virtue of ingesta that has passed an ore pres but also, by compressing their blood vessels, to disturb, impede or suspend the circulation within them. This condition speedily causes serious in and Involves others within the abdomen extend and hernio is called umbilical when
sion of any portion of the bowel takes place through the navel opening ; scrotal when into th scrotum ; ingunial when the intestine reaches th inguinal canal, but does not pass to the scrotur ventral when the protrusion occurs through a artificial opening in any part of the abdomen diaphragmatic when the diaphragm (the partitio between the lungs and the stomach) is ruptured lung cavity A hernio is said to be congenita when it exists at birth and the protrusion through one of the natural footal openings which under normal conditions become closed at birth. UMBILICAL HERNIA.-We wish in this articl ife the blood vessels and urachus of the foot pass out of the body through an opening, called the umbilical or navel opening. This apperture under normal conditions, closes at birth, when th unctions of the vessels mentioned cease, but in hernia is noticed at once, or appears in a few days. In some cases the closure of the opening while it may be complete, may be lax and weak and rupture may take place from violent effort years The symptoms of umbilical hernia are evident. There is a soft, fluctuating tumor, of greater o less volume, from the size of a marble to that abdomen, at the navel. This tumer can be read iny returned by pressure into the abdominal sure is but usually reappears quickly when pres animal appears to suffer majority of cases the such a condition exists, there is seldom cause fo alarm, and it is seldom necessary to treat; a if it is ne time it should be closely watched, an wally increasing that the bulk of the tumor is grad In young animals, the omentum be resorted to dominal portions of the membrane lining the ab suspended) are looser and longer intestines ar and gradually shorten, and thereby draw the pro-
truded intestine into the cavity, thereby effecting a spontaneous cure. of course, where the hernia a spontaneous c
is either irreduc
take place take place, and an operation by a veterinarian is ally decreasing in bulk, or even remaining about the same, it is better to leave it alone, and allow ually increasing, or if after a fow volume be grad decreasing, treatment is indicated
TREATMENT.-There are many modes of treat ment, some of which can be given only by an ex intestine, returning it into the cavity scanifyin the margin of the opening, and stitching with kin. carefully onse skin, and enclosing Armlve, gathering up the ing skewers through it and tyins with a cord in he circulation. Whichever method as to shut off care must be taken to not enclose any portion o
the intestine. The animal is then allowed to rise and no further treatment is necessary until the

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10 to 14 days; then the raw surface should dressed daily with an antiseptic, as a 5 per cent
solution of carbolic acid. Either of these opera moving the hernia, but the results are not in re favorable, as it is not uncommon for lockjaw to result after any operation for this purpose that Another and safer
mode of treatment, is the gh often a more tedious This does not produce a sore, hence the danger lockjaw is avoided. A truss of leather, or strong acking, about four inches wide, with a protubersurface, is placed around the abdomenge on its uberance being placed over the navel after the hernia has been forced into the cavity ; straps and The tendency is for the needed to adjust the truss. nd this must be avoided by at sliphing backwards, anterior border of the truss, either straps the trings, which come forward between the fore legs and from the sides, and attach to a strap around ercising his ingenuity in has an opportunity of expurpose. Care must be taken to not cause this cient friction to scarify the skin, and close watchshould be given, and the truss readjusted if it be-
comes displaced. In the majority of cases this comes displaced. In the majority of cases this
will effect a cure in from two to three weeks, and in the meantime the colt is allowed to run with the truss may fail to effect a cure, and large, the operations mentioned becomes necessary, notwithstanding the risks mentioned. "WHIP."

## Stock

## With the Flock

first stock to go out, as the blue grass of the rough sidered as belonging to the sheep. It is good, too, fail the sheep should have mixed tame meadow to ceed it. Too often sheep are put in a a back run, pretty dry and brown in August. At this time the ewes and lambs will be out to grass. In most cases
the lambs will all have been dropped. The late ones are sometimes a little troublesome. Fwes turned on
the new grass a few days before lambing are frequently troubled with caked udder. The sudden increase of suy-
culent food stimulates milk secretion too hastily. They There is much to be learned at this time of the in every flock of ewes certain old stand-bys that are kept in spite of age, on account of their certain breed-
ing qualities. We have known a certain ewe to bring s a matter of constitution, good digestion season. It maternal qualities. Uthers that are well to look at
are frequently followed by light, poor lambs. The mothers thrive, but do not milk well. There are con-
trasts in ewes' in this respect as marked as the differSheep are meat animals, but as each sheep has to support a larmb, it is unprofitable to keep a very poor
miliker. The tendency of sheep husbandry on the farms, and more particularly among the best breeders, is not
to develop a milking flock. Fleshiness is the chief deor develop a milking flock. Fleshiness is the chief de-
ideratum, and this is to some extent opposed to ailking qualities. The supplementing of the ewe's of the life of the lamb, in order to promote rapid
waturity, tends to lessen the importance, as it lessens
lle necessity
 ous mistake, however, as good milking qualities go
along with strong maternal instincts, and these again o-exist with fecundity and readiness to breed.
Prolificacy is a matter that can be improved in a flock by selection, and the spring is a impooved time
udge of it. A shepherd should know the record ach ewe for each year she has bred. Some always
roduce twins, and others seldom produce them. Thi hows that the property is inherent and constant, and also, not only the female offspring, but the males. Many lepherds will not buy a single lamb for a sire. Single
lambs, however, are generally better fleshed the first eason than twins are, and if a man is selling ram
amlis in the fall for breeding purposes, he can put a wes that raise twins are the best ewes, even though
single lambs might be desired for special ends, for the
nost prolific are the surest breeders and the best

Wrik has begun at Regina on a waterworks system

The Bell Telephone contemplate building into the
$\qquad$

THE FARMERS ADVOCATE

An Old Country Breeder on Our Herd book Restrictions
very well relax their conditions canada might entry in their Shorthorn herdbooks, and assimi
late them to Society. Of course, if the English Shosthorn are run for the benefit of the owners of the old
stocks, if that it tocks, if that is the aim and object of breeding
pedigree stock, it may be the right $t$ ain the exclusiveness of the conditions to main herdbook is intended for the public benefit, take it that the really crucial broad lines whether, for all practical purposes, an animal lacing its descent unbroken on the male an or more impressive as a breeding animal, than on of shorter registered pedigree? If that were ene
case, why have not the oldest families maintained therr fosition in this country? As a matter of fact, many of the oldest families are a considered
to be $\%$ played out," but whether or not, can it be contended that these tamilies of view, as they werfection, say fod from every point of view, as they were, say, forty years arg? The
answer certainly would be no. Then, if that is the case, it would appear that it takes some forty years or so to bring a faunily to its best
and that after that time a deterioration sets in, unless great care is taken in the breeding and not the families blood introduced. Then, why are (and I amm only using this say, forty years ago
of argument) for the sake of argument) equally good as those the sake
years standing ? I think it should of alwaynty years standing ? I think it should always be
borne in mind that the great obiect of pedigree stock breeding is to level up the general stocl: not so much to improve the pedigree stock, but by maintaining the excellence, of the pedigree
stock to improve the stock to improve the "million", The owdigree
pedigree stock are quite able to takne of pedigree stock are quite able to take care of
themselves, and will not introduce short pedigrees
that are likely that are likely to be injurious to their old
families, which, so long as their slandard of exfamilies, which, so long as their slandard of ex-
cellence is maintained, will always he worth more than ise maintained, will always be worth more be limited, and there are millions of cattle capa hle of being greatly improved ty the use of a
well-bred bull. Is it $^{\text {It }}$ better, for the sake of keening up the imaginary interests of a few, to curattle general benefit of the many? My own dian herdbooks, and my families are among the oldest, but I have always thought it wise to encourage the raising up of new families to be without the use of in mire crannot be done it were possible for our forefathers to raise up and firmly establish tribes of Shorthorns from the materials so indifierent, so scattered about the
country, and so difficult to collect and arrand why should not this process be fal: more easily acomplished in these doys, when nearly all Short horns are more or less purely bred, and when
suitable materials are far more easily obtained than formerly? I maintain that it is in the inter-
est of Shorthorn breeders to promote this their duty to the community at large. A and animal with a good old pedigree will always be worth more than a good one with a short or new
pedigree, but the former is necessary for the proSedigree, but the former is necessary for the proroom for both, and that after a fanily has heam established for a certain period, for all practical purposes, it is fully equal, if not superior, to the less-and for mere antiquity of lineage is use elations, if carefully bred, such animals may bc
used upon ordinary stock with as much used upon ordinary stock with as much success
as those of older pedigree.
1 have long thought
that there might very well he a new classification for new podigrees, such as an A-and-B/classifica go into Class A, and subsequent omes into Clas B. Ithink, in conclusion, that it is neither in maintain very exclusive condilions, and certainly that unreasonably se ore the conmunty at large placed upon the importation of should b foreign countries, or in their entry in the breed societies' registers. R. Stratton.

## Death of Joseph Culshaw

write correspondent of the London Live-stock Journal majority, Mr. Joseph Culshaw, of Castle Hill, near
Burnele fiftios there were fere of ninety-three years. In the Shorthorn stocken thames that of Joe Culshaw, the
herrsman to Col. To theneley of for in that decade was fought what may be called the "batte of the giants " for supremacy in honors at ach and Agricutural Society of England, in which Batos, Booth and Towneley. It waccessul-namely, Messrs edged that in preparing cattle for the show-ring ack 1852 hat in superior in the United Kingdom, and privilege of bringing back from the "Royal" "proud honors to Towneley Park, mostly with an!mals of the Touterny family. Atter the dispersion of the late Col. asweey's famed herd, deceased continued his services In the faithrul service of the Towneley fagily sixy years retiring at the age of four-score years ; and oven afer Lat, so strong in him was the love of cattle, he was years he was nuych in request ns ludge in his later agricultural shows. He retained his facultiea catlo at rom Rurnlegre, and even so late as 1902 he went Cavendish's sha to atend the selection sale of Mr . Victor ear, when horthorns at Holker in September of tha George Moore, who has for so min hatl-brother, MT tan the one-time world-famed Holker herd of the cade you or Devonshire, and who, although but a the idea of pensions and leimurother, still scout duties in the herd at Holker. Only ans continues his local shows at Barrow-in-Furness, and the North thew at Ulverstone, George was seen leading hid three Westmorlond So victory ; he also attended th which he made purchases for sales last Septemver, Mrs. Culshaw-Moore may thius be said to have give Shorthorn history

Stockmen's Transportation Difficulties An Example.
delay and inconvenience the tacombe to the were put to when shipping to the show and at Calgary last month. Not only were delays excusable delays were the sale, but lengthy, inex away from Calgary after the sale those shipping demonstrating the need for more railroad com hibitor had his cattle loaded up over One exiour hours before the train, that of which his ca a part, pulled out from the yards.

Premier Haultain, of the N.W. T., was recently en
tertained by his Alma Mater of Toronto University
while visisting in the Ont


An English Thoroughbred Mare, Lady Disdain, by Bend Or Maid Marian, with Foal by Mimic

## Prevention of Milk Fever

 Surbiton in Gohert, of Tolworth Court Farm Surbiton, in a letter to the London, England "I will introduce my plan of prevention by stating that I have milked about eighty cows, and calved quite one hundred a year (as I buy in-calvers), and for the last twelve years without one single sign of a case of milk fever, though previously I had lost many. I may say that I had the tip quite by accident from, in my opinion, withThe plan is too simple for many to believe in its effectiveness, but I am open to wager anyone the odds of two to one annually that I do not have
a single case. The plan is as follows
.irvery cow coming with her third calf or over shall be liberally fed on usual kecp, according to time of year; in winter, she shall be kept
in a box (loose) when expected to calve. She shall have one of two pints best linsed oil a day after calving; bran mash an hour or so after atter calving ibraran mash an hour or so atter two days. The cow and calf lie loose, but the
cow shall not be milked for at least fortyeight cow shall not be milked for at least forty-eight hours after calving. In the case of a dead or
weakly calf, about a quart may be milked four wears in twenty-four hours.
timect. To many it
And this is the whole secret. may seem unnatural, but a heayy-milking cow is an unnatural animal. And is it natural ol take
from a cow just calved what the calf would not irom a cow anst call od ? The strain on the
take until a month on
systenn in replenishing the milk supply is, I think, take unt in replenishing the milk supply is, I think, the sole cause of milk fever-t
neglected state of the bowels.
carefully, and then make up his mind to try it faithully in every case, and immediately discharge even the best man in his employ who disobeys his instructions in the slightest degree, I honestly be
lieve the odds of my warer given above may be lieve the odas of
doubled with safety.

## A Tribute to Grass.

Next in importance to the divine profusion of water, light and air, those three physical fact. which render existence possible, may be reckoned
the universal beneficence of grass. Lying in the sunshine among the buttercups and dandelions of May, scarcely higher in intelligence than those minute tenants of that mimic wilderness, our earliest recollections are of grass; and when the fitful fever is ended, and the fooish wrangle of the the scar which our descent into the bosom of the earth has made, and the carpet of the infant becomes the blanket of the dead.
"Arass is the forgiveness of nature her constant benediction. Fields trampled with battle,
saturated with blood, torn with the ruts of cannon, grow green again with grass, and carnage is forgotten. Streets abandoned by traffic become grass-grown, like rural lanes, and are obliterated.
Forests decay, harvests perish, flowers vanish, but grass is immortal. Beleaguered by the sullen hosts of winter, it withdraws into the impregnable fortress of its subterranean vitality, and emerges upon the solicitation of spring. Sown by the
winds, by wandering birds, proparated by the winds, by wandering birds, propagated by the
subtle horticulture of the elements which are its ministers and servants, it softens the rude outlines of the world. It evades the solitude of deserts, climbs the inaccessible slopes and pinnacles of mountains, and modities the history, char-
acter and destiny of nations. patient, it has immortal vigor and aggression. Banished from the thoroughfare and fields, it bides its time to return, and when vigilance is relaxed, or the dynasty has perished, it silently re-
sumes the throme from which it has heen expelled sumes the throne from whdictes, It expellea, blazonry of bloom to charm the senses with fragrance or splendor, but its homely hue is more enchanting than the lily or the rose. It yields fail for a single year, famine would depopulate the fail for a single $y$
world.", [Ingalls.

## Value of a Brood Sow

 No animat kept on the farm exhibits greaterpossibilitities than the brood sow.
Her value as a producer is almost without limit, and certainly be-
 WY. J. IE Smith, of lhachhawk County, Towa, This sow sarted four years ako this spring, and
has produced her owner oure the tinest herls of
the State says Nebraska Farner. The sow iin the state, says Nebraska Farmer. The sow in
nust inn is the mother of seventy two sine, that
two litters of pigs, one containing 12 and the two 10 pigs. $\begin{aligned} & \text { of six se containing } 12 \text { and the } \\ & \text { other of pigs, each has } \\ & \text { averaged } 12, \text { making a total of } 72 \text {. The sow }\end{aligned}$ has practically stocked the farm, as six of her litter of a year ago we
produced 52 healthy pigs

## Pigpen Front.

A correspondent writes: " Having tried different kinds of troughs for feeding pigs and different the of ironts for the pens, 1 have founal and satisfactory, especially from a sanitary point of fiew. The swinging front I have tested for several years, but discarded it as entirely unsatis factory. Last year, 1 put in a dreat dyl and am so well pleased with it that I feel in dut.
 ach er sher angraving might he made at each end of the trough stands upright a $2 \times 4$-inch scantling. O the side of this next the passageway is nailed two-inch plank one foot wide, which forms barier between the triangle and the alley. Then

mailed, the bottom of the lowest one being on level with the top of the one forming the front
This leaves a clear four-inch space directly abo the trough, and through which the food is poured and the whole arrangement is strong and solid and the whole arrangement is strong and solid
I have had this plan in constant use for nearly

## Peculiar Breed of Goats

In his records of his visit to Britain in the years 55 and 54, B. C. (Bellum Britannicum) saw animals somerwhat resembling antelopes but which possessed the peculiarity of having $n$ joints in their legs, and which, beting thus unable to he down, were compelted to sleep leaning against trees. It has been sald that nistory re peats itsell, and verily in this case would it seen mhite por wher wher ver Hoer and Ptastel, whe the Nas in hosptal, Penn., we are toid of a species of goats constitutiona isidity of the animatsong constitutional rigiaty of the animats described by These goats are to be found Fwell Stock Fam Maury Co Tenn. end are known ns "/ nervor "stifi-legred," or "fainting " roats In the Words of Detors white and Plaskett : ./ The the casily frightened, and to simply ' Boo' at then will cause them to fall helplessly to the ground and remain there until the spell leaves them. The mere effect of jumping over a fence or bar, over
15
f or 18 inches from the cause them to become stiff and 'faint.' When under these spells, they can be dragged about as if they were dead. They become so rigid that
they can be lifted bodily without bending. they can be lifted bodily without bending." These
convulsions last from ten to twenty seconds, the convulsions last from ten to twenty seconds, the
animals meanwwile scenning to be in full possession of their faculties, though in apparent agony. Aheir gait then resembling that of a horse suffer ing frotur ctantss the yourg kids exhibil all the Characteristic fainting symptoms of their parents
-The reasons for such a peculiarly high-developed nervo-muscular system," say the doctors, "we
shall not attempt to explain. Suffice it to say That this trait has become so well marked, and si thoroughly established, that we are justified in
thassing this animal as a new, separate and dis-

Farm.
A Noted Agricultural Chemist's Opinion of Wheat Bran.

Surt it hoi. Sollowing in the Northwestern Miller
For producing beef, milk, or for general feeding pur roses, wheat bran is one of the cheapest and best food re in this collty Wharally. Whit there are other feeding stufis whicl contain more protein, none contain their protein associated with other valuable nutritive substances in the same proportion as found in bran. Bran is one of the not cause digestive disorders, even when fed in. large amounts. It can be combined with and made to im prove any kind of feeding stuff. It is alike valuabl Sume of the smeciol characteristics of Iran and merits as an animal food are worthy of consideration hueat bran is distinctly an animall food, and not moved because it can not be milled with the flour, and furthermore, its removal is necessary because it is indigestible as a human food. The human stomach is no made or intended to digest bran, but farm animals,
cattle, sheep and horses, have stronger powers of diges tion than man, and are able to digest and utilize wheat PLACE AS AN ANIMAL FOOD WHICH WHEAT flour does as a human foon
the composition of wheat bran. of the wheat kennsist, which are tere ouvered in the rolle process of milling ; from 12 to 15 per cent. of the whea
as milled as milled luten layer, is removed along with the three This aleurone layer is not capable of being digested o made avainable as human food, but is reduced and
gested by farm animals, as cattle, horses and sheep. In chemical composition, bran varies according to
the composition and character of the wheat from which it is made and the process of milling employed. Avera wheat bran contains about 18 per cent. of protein, Which is considered the most expensive and valuable nutrient of ioods, 4 to 5 per cent. of fat and 55 per
cent. of carbohydrates. Wheat bran contains about ver cent of fiber, from one-third to omenhalt of which is Thable of being digested and utilized by farm animals
The follows : average chemical composition of wheat bran is as

$$
\underset{\text { spring wheat, }}{\text { Bran from }} \underset{\text { winter wheat, }}{\text { Brom }}
$$

- per cent. per cent.

Crude filer
 Almost ie contain more of protein and fat than is given in this
talle As far as chemical composition is concerned
lran is not liable to be defcient in divestible protein feding carbohydrates, the most valuable nutrients fo:
ferposes. Compared with other farm products, wheat branecontains a ther grains and protein and fat than corn, oats, rye, barley, spelt, or
the various varieties of wheat contain from to to 14 per cent. The protein, grains und usually
0.5 prom 2 ar as chemical composition is concerned, wheat, hran ompares favorably with average farm grains.
The digestilility of
Average Maximum

$\qquad$
These tigures show that under favorable conditions
wheat bran are capabable of being divatuable nutrients feel Dy animals. Who obtain the largest returns from the foods con-
sumed, and since bran is usunaly fod to sectuce best feeders, its maxinum digestibility is thus frotein, there will be from $13 \frac{13}{\frac{1}{2}}$ to $14 \frac{14}{4}$ per cent. of fiated will armalate protein. This protein is asso there nre ond albout 3 per cent. of available fat. While aille of these nutrients, there are none which contain or a scant anount of either protein, Fat walle. In wheat fran this balance is werriots well maintained. In all classifications of feedings sturs
what hran is classed amnons the nitrogenous or pro
teid foed
growth in young animals and stimulating the produce
Lion of animal products. bran useful for beef and mile produceThe value of bran for making beef has been recon-
nixed by the Standard Cattle Co., of Ames, Ne. company is extensively engaged
range cattle for the market.
From 1886 to to 1897 nearly fifty thousand cattle ( 49,648 ) were finished and placed on the market. The amount of bran fed from The to year varied, presumably with the market price.
The grain ration consisted of about 20 per cent. wheat bran, and
company, states : Mr. R. M. Allen, manager of the the most valuable food products in use.," Although
 ration, and to secure in order to marker a financial return e balanced corn. The use of 20 to 25 per cent. of wheat bran ven in the corn, belt of this country, is quite extent-
sivuly practiced among cattle feeders. 1 Its use results in the production of a better quality of beef, and at a In a dairy ration, wheat bran is universally recon
sized as one of the best feeds for forming the bess an sized as one of the best feeds for forming the basis of
the grain part oi the ration.
The best results in tho feeding of dairy stock, and, in fact, in the feeding of or milled products are mixed and fed in combination instead of singly. Bran can be combined to advantage roth any grain or meted product, and in almost any all grains and milled products, can be safely memmind and were omitted trotter returns secured than if the bran favorably in milk-producinig powers with the most conentrated and expensive feeding stull.
The most extensive feeding tests which have been made show that, pound for pound, bran is equal in milk-
producing power to mixed farm erring when bran should be bought.
In purchasing feeding stuffs, the safest rule for the other common feeds and grains are selling for the ause it will produce fully as much milk as any grain odact, and return more fertility to the quality or he most concentrated meats exceed bran in price by more than
ways be given to cent., then the preference should alh hen Hive stock is fed upon the farm, the manure deserve fertility of the soil more active and available. Wheat bran occupies a high place among feeding stuffs, Wheat bran as offered for sale in the market has never been found to be adulterated when in original
sacks. In a few cases bran in bulk has neon found to be adulterated.
bran feeding necessary to retain sole fertility. In the feeding of bran, its manurial value is an in-
portent item, and is worthy of consideration. The best systems of agriculture demand that some live stock
should be kept and tied upon the farm in order to con ave the fertility of the soil. The combination of basis upon which aus system of agriculture can be a able. Wheat bran occupies a high place among feeding athene. Wheat bran occupies a high place among feeding
stuffs, as producing a valuable manurial product. gen, 52 pounds of phosphoric acid, and 30 pounds of splash. If purchased in the formal or a commercial ferthe phosphoric acid and potash each five cents per ,ran worth $\$ 12.90$. Laves and Cilleert estimate that lite stock is returned to the soon, maxing a return to
the soil of $\$ 10.32$ per ton of bran. It has been found note economical to purchase feeds of high manurial
value, as tram, for the coating of live stock than to
to write commercial fertilizers. There is no farm grain

 Wheat has from the earliest times been the staple
ord of man. Its highest value ass a human food is secured whin the wheat is milled so as to obtain aluable feeding stuns that cam be ied to farm an animus?


THE FARMERS ADVOCATE
The Seed Potato Craze in England
The British public generally, and agriculturists more
particularly, have for the last eighteen months been in-
terested in the great boom prices have been realized, and spices statilles. Fareabulous are expected in the near future. A short account of how the boom commenced and proceeded may be of
interest to readers of the "Farmer's Advocate," ns the acts are not generally known in Canada. Fifeshire, Scotland, has bear been experimenting to hardy, potatoes, and has placed been experimenting in see
varieties on the came the "Northern Star," the variety which started


the country. At over
present tisenents time are aver-
ape
nearing in the abri cultural pap
$\because$
EITdorados, gold - finders, - plant
grown from not cuttings, ${ }^{24}$ each.". And these
plants are said to find eager purchasers.
One firm alone had these plants under glass, and each was price. 0 one can imagine that these
precious plants are ed and tenuly guardthe holding ed, when
single of on single
$\$ 200,0$

Mr. Findlay says
has other
or
for the future
Aristocratic Bovine Emigrants Landing at Levis, P. Q.
do "'
that $\begin{gathered}\text { He says } \\ \text { the }\end{gathered}$ he famous boom. This potato was described by the he expects his newer varieties to surprise him, and raiser as "diseas e-resisting, and very prolific." By figure. One expert, speaking of the fancy figures which
January, 1903, the price was somewhere in the neigh-
the tubers have renilizedid said the hiorhood of $\$ 5,000$ per ton, an altogether unprecedented more, had often been paid for rare flowers. honed seed potatoes. The results of the 1903 crop such a useful article of food as the potato should be That year was the most disastrous for potatoes which . Worth more expense and trouble than a flower. time many of the fields were under water, and harvest. raised by various growers in the British Isles and in growers simply plowed them in in the fall, as they thought many of them attracted on the market. But the "Northern Stan'" came to be worth lifting. But dion, none realized the enormous price of the "Eldora
 in the fall, and several prominent merchants offered ers have these imitations instead of the real aryiclow grown from their seed. . Nesses. Dennis \& Sons (one sold for eating purposes, but all are said to be brat
 (to merchants in the world, offered a prize of $\$ 1,050$ Middesex Co., Ont. WALTER HARGRAVE flied by them. Other firms offered smaller prizes for Core of Machinery.
the small farmer and the farm laborer
However. Mr Finally show rd that her not harmer of ore has hatreds of dod ar the end of his resources, for in the fall of 1903 he in- machinery, and to leave this, exposed to sun and rain far surpassed the "Northern Star,"" "both in its power this cost way cost something to build a shed, but wo lots ai this variety were sent out Mr Mr kindly life of the machinery. Even in a shed the machinery in the year 1902, one to the North of Ireland, the common machine oil . To prevent this, take a pall of her to the South of England. These, however, were brush. When treated in this way it never rusts, and


At Bird's Hill, Man., Farmers' Institute Picnic and Plowing Match

## THE HARMERS ADVOCATE

## The Handling of the Clover Nursery.

## some time

 that Mr. Sharpe, of explorital Farm, our readers who were desirous of making a start in clover growing. Mr. Sharpe recommends the following as the course to be followed in the clover nurseryThorough, carefut preparation of the earth until it is in A1 tilth, then broadcast the B. C soil; harrow thoroughly, so as to incorporate and roll. Have a test plot alongside, on which make an application that would about equal 300 to 350 pounds of inoculated soil per acre. I have in several cases advised a light nurse crop, to be this year, and to report to me and to the " $F$. A." this autumn and again next spring. In one or two cases, I have advised sowing both plots alone. Would try sample at 300 lbs ., air dry, 350,400 and 500 per acre, each with thin nurse crop, say, barley one-half bushel or wheat one-half bushel, some series to have the nurse crop left on
to hold the snow, some cut in milk stage, some when ripe, all those cut to be cut as high as possible, so as to leave all stubble possible to hold snow. No cattle to be allowed on in any case, but if clover shows sign of blossoming a mower to be run over, so as the fall. Would also try a series of plots with nitrate, at rate of 300 lbs. per acre, when the plants were out in second leaf, another at 150 lbs. then, and 150 lbs . later on, say, middle of July. A series with 300
lbs. slag or superphosphate, and a series with los. Slag or superphosphate, andrate of soda at rates above. In re the nitrate, clover needs nitrogen to enable it to grow at all, and at first the plant
may find no nitrogen available in the soil to feed may find no nitrogen available in the soil to feed
it until it is sufficiently vigorous to get its supply it until it is sufficiently vigorous to get its supply
from the air. I believe that many clover catches are killed out by a feeding-off or baring process in the fall. 1 know that the native grasses thicken up very much, and also make a more vigorous growth and better pasture, being more
succulent, if the grass is not burned off until last of May. I reasoned it out that the grass roots were starved by cold, cold dry winds, and open cracks in winter, and hot sun and cold, dry winds
in spring before growth began, the want of cover in spring before growth began, the want of cover
enabling the sun and dry winds to suck up the enabling the sun and dry winds to suck up the
moisture from the surface, starving an already enfeebled system of roots. I believe in leaving a cover to the soil in every land. on the ground, and leave it there from only September to May,
then plant, and note the better growth; nitrification because of cover to the soil, better supplies of nitrogen for plants, better plants to gather
potash and superphosphates from a better condipotash and superphosphates from a better condi-
tioned soil. The new public works building at Winnipeg will
cost from $\$ 1=0,000$ to $\$ 200,000$, and will be $200 \times 50$ cost from $\$ 150,000$ to $\$ 200,000$, and will be $200 \times 50$
feet, accommodating 1,500 people. May show an increase of $\$ 34,446.31$ over the same

## Perennial Sow Thistle

Farmers who have not yet any perennial sow thistl apon their premises should congratulate themselves. In strong a foothold, and strict enough measures do not appear to be adopted to check, much less eradicate, it This condition of aflairs is unfortunate, because it is one of the most injurious weeds that could get a foottold not only grows a big top, crowding out the absorb the water that should be used for useful plants. It is also very dificuit to eradicate. This is owing to

root in two, and instead of destroying the original ends of the severed root. ing from two to three feet, except in very rich, well drained soil during a damp season, when four to five feet is not unusual. The stems are rather hairy or hollow. When ruptured, a milky fluid exudes. The are are provided with weak prickles; the blosson each one of which is surrounded by a feathery or down appendage, which enables transportation by means o
the wind. The plants will be quite noticeable at thi season wherever they may be found. They are, how where, and usually ripen their seeds before grain crops Weas a means of eradication, read article on ". Killing Weeds in Wet Weather," to be found elsewhere in this

## British Columbia Hops.

## $A$ short time ago, when look ing over the plant

 of the Calgary Brewing Co., we found thatcern were using hops from the Okanagan. manager informed us that, although they used facturing their products, none were more satisfac yaliev the then seme stream Ranch itorn Aberdeen shate is whit

## Killing Weeds in Wet Weather

a dry summer confers no other benefit uf on he farmer, it at least enables him to kill weeds are some weeds that cannot be managed by tillage with any degree of satisfaction unless the summer be dry. These are of the perennial class that re roduce by creeping fro ducing a plant from the same root. The perennial sow thistle is a prominent and, unfor tunately, too frequently in some districts of Manitoba, example of the creeping perennial. also the grass comes in the same thistle. These weeds are sometimes mentioned when it is desired to show how necessary it is know the habits of growth of a weed before a successful course of eradication can be carried men of one them will show that if a root be severed while the soil surrounding it is moist there will spring up from both ends a new plant. For this reason many who have had serious tivation in moist weather appears to increase then the name is the case with all plants of this class. Cultivation in wet weather is of little value in wiping then cut off the tops, and thus prevent them weathering through their leaves, but to go down deep nough to cut the roots in two will bring no good returns for the labor expended. checking these intruders is through smothering them out with some such crop as rape. The far as exterminating thistles is concerned. We have known reliable farmers to make the state ment that they cleaned land completely that was badly infested with thistles with one crop of rape or couch giass has got a very strong foothold thick take considerable rape to sow it sufficiently succeeding crons the weeds, but is a reasonably large herd of live stock about the farm, the fall pasture from the raye will also more than pay purpose of illing weeds, from three to foul

The Cutting of Roof Rafters
jages cime, and while all are not as handy with tools as they Would like to be, yet a little study will render many
a man capable of doing odd jobs at carpentering. One

the Usic ( F the s \& Quare in cetting rafters.


Plan of Dominion Exhibition Grounds, Winnipeg, Man.
meet its opposite. The length of the rafter
will be the length from B to A , multiplied,
square is divided.
length from $\mathbf{B}$ to bo 20 feet 6 inches.

## Our School Question.

$\qquad$ "Our School Question." With your 'permisslon I pears to me the conclusions you arrive at are not in As an Old Countryman, I don't believe for one moment superior in any way to the youth of this country at school, say in Winnipeg. Brandon or Portage steady ompare most favorably with their cousin on the other
ide from towns of the same size nnd durative ities; and as regards salaries, 1 have a niece, a her salary was offered to our Canadian girls they would have little ambition to enter the teaching profession. educated in Manitoba, to allow outsiders to come in with the regulations laid down by the Advisory Board eflect on the gystem in force in the Sister wish to the wants of each particular part of the Dominion, bit agree with the barring out, as you name it, of teachthe examinations for professional and non-professional teachers laid down by our education authorities. If
this were not so., our Province would be the dumpingthis were not so, our Province would be the dumping-
ground for a lot of " n'er-do-wells." As it is, with permits occasionally, on account of the shortage in teachers, we have foisted upon us individuals who long ago should have quit the profession and taken up some-
thing more adapted to their ahilities. The great trouble, to my mind, does not rest with the teacher; fo farming community. It is marvellous how the trustees will wrangle over the question of salary, and get the cheapest teacher available. And then the attendance will average, at the outside, 10 so that the cost per scholar runs in the neighhorhond vicinity of two schools recently; one had three attending, and the other six, and yet in those school districts, I am satisfied if all the children of school-age had been in their places, the attendance would have education in our rural schools is one of the most important to be dealt with by our authorities, and unless something is done speedily, the majority of our children will grow up in ignorance. This is what the Hon a. Campbell, Minister of Educatinn. sai the Free Press: "Nearly fifty per cent. of the children in rural districts have received no education at all: 65 schools where the attendance is 5 and under; 105 less fourteen and under." This is staggering. ment should make consolidation or smaller schools from school compulsory. If the cost is in excess of our present system the parents would hic getting valle for money expended. At present, in ereater part of the with an average of less than 10, the greater pasted. Wo
expense of running these schools is simply waster want a better system of insplection. A flying visit s sinmply a farce. Your paper circulates ame allowing their young people to miss the golden opportunity of their lives, and I would urge them to take hold of this question. Consolidation, which car ries in its tr
higher grade higher grade
Manitoba to vetitors coming
reat Northwest.

With the Summer-\{allow

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Where summer-fallowing is being alo use in plowing
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once in the springtime and then allowing the weerss th
grow up and seed. To farming of mustard. French
heed, it should not he called a fallow.
Before haying starts, it should he in a krond star,
of cultivation. As pointed out in a recent issue. ond
good plowing may be found quite sufficient. provided
he harrow or cultivator be used at the mor or
fterward. For couch grass, sow thistre. or
veeds that reproduce by the roots, the curtionat
have little effect. For these the shar culc
the gang plow must he used. The practice of sowing
,lowed and weh cultivated is growing in favor. "It the
good plan, as it prevents cultivation to meet them
The last of June is not tho late to sow a ratch,
in sowing a poek or wheat and harrowns.n
affords the cattle a nutritious ery materially.

THE FARMERS ADVOCATE

Clean up Scrubby Corners.

## older districts of Manitoha will show a variety of

 scrubby corners on cerfain farms. When thevirgin sod was broken there were a few acres here and there on the homestead, and the ragged ard zigrag edges where they touch the cultivated land still remains
but the presence of numerons scracer ornatemental. poplar, oak and brushwood is unsightly. The new settler may mot have time to spend in clear-
ing up wooded patches fscattered throushout a field he intends to cultivate. His time can be roady moftabls occupied in breaking the lam al there is little excuse for not having the scrubby corners cleared up, and the farms thereiny made over a farm that has wheen under cultivation for over twenty years. It was all good land, but which was scattered in patches of five acres each at frequent intervals over the entire homestead It pays to beautify the farm when an oprortmits prasents it
opportunit

Report of the B. C. Agricultural De partment.
The report of the Department of Agriculture for 13 .
C., although a little late in appearing, is voluminous,
and contains a lot of information regarding the Pacific
Province. It is beautifully inlustrated, and should be Province. It is beautifully inlustrated, and should be country. It contains reports from a number of con breeziness that is refreshing; others advocate spoonceeding for the settler by the (iovernment, to which we and considering the fine climate out there, no demand are going into that country with money, and no sane person doubts that B. C. is all right. The influx of new blood, more capital and energy will do it good, as the duction by the Deputy-Minister, J. R. Anderson, shows that expert judges are being used for the fairs, and that the department is keeping in touch with advanced agricultural thought. of rive stock divided a inst of the provincial brecds of live stock, driced into four Red Polls and Aberdeen-Angus-it would be better to drop the term "horned "), horses, swine, and sheep. in its nature, it would be better to omit from the list such as grade cattle, running horses : at least, we sulsuch as grade cattle, running horses: at least, we sulb-
mit the above changes would

n the Chilliwack Valley, B. C
Barn and part of herd of Ayrshires and Jerseys, propertylof A. C. Wells, Sardis, B. C.

## 868

## Produce Tips

and when the cows have been oul graseforiso time to leave out the artificial coloring entirely.

The best milking machine stout boy or girl, man or woman, properly in strult, and gipen some franculinteres in th

The Russian army is using milk-powder in ported from England. It must be the milk
human hindness John Bull has sold the Bear, the Japs keep coming on the run.

## Washed eggs do not keep well. The great

 New York Produce said, recently: .. The in dications are that butter will be considerably have to come down to an export, basis, which have to come down to an export basis, whichmay mean 17c., or even 16 c ., in New York. Even if this happens, dairying will prove quite as profit able as any other branch of farming, and it would be foolish to get discouraged and go out of dairy lowering of prices in Manitoba, as in another month the big flush of grass milk will be over
and the price in Winnipeg is firm at this date for and the price in Winnipeg is fink at this date Run the hand separator at an even rate, and Give the milk cellar or butter-room a thorough good coating with whitewash

If you are bound to use nest eggs, do not use
the real article, unless it has been boiled hard. China nest eggs are better. Fgg-eating cannot e learned on the china egg, and such do not soil Plum your built, will be warm in winter:

Gypsum (iand plaster) makes a nice deodorize o spread around on the dropping-board and in Gypsum pre-
vents the volatile ammonia carbonate (the valuaole nitrogen-holding substance) being lost by going off in the air. Lime renders the ammonia un-

Shall we Abandon Cream Ripening? J. H. Monrad, the noted dairy expert, has the
following to say on " a cream-ripening experiment" reported by Prof a cream-ripening experi-
" If the result is to be accepted as conclusive it ought to revolutionize the art of cream ripening. Two lots of butter made from pasteurized cream were judged. One of these was cooled immediately after separating, culture was added, and 42 out of 45 . The other lot was ripened the usual way, and scored 41.5 for flavor. It was
another illustration of the practicability of omitanother illustration of the practicability of omit-
ting the ordinary process of cream ripening, and yet securing good flavor.' Dean that this was the second test along this line, it seems to me a hittle hasty coming from an mann, 1 should have read it with interest and
1assed it, hut coming from Prof. Dean, 1 must call for more facts and proofs, in order to accept hetter flavor (as indicated by the score) without
the ordinary process of rifening. "" Have we all wasted our labor in watching the ripening of the cream. not to speak of testingthe acidity so as to churn at the most favorable moment? If so, 1 propose that the vounger genhonor of Prof. Dean !-just think of the conlenience of being able to churn just after separat-
ing and cooling the cream, and get the butter
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## IHE FARMERS ADVOCATE

A States View of the Buttermaking most common fault with dairy butter Business
While fluctuations in prices must be expected ion, taken up from foods and decaying vegetathles kep
in all kinds of produce, the fluctuation in butter near the cream. There is no reason why as good of
is relatively. less than in most other farm better butter cannot be manufactured by the individuaa
products, and while our best grades of butter al- dairyman on the farm as in the creamery. The littl
ways have had, and will have, the best market separator, if properly cared for, will greatly facilitat products, and while our best grades of butter al-
ways have had, and will have, the best market at home, we must be prepared for the necessity chiefly of medium grades. Even now Danish butter is quoted in London at 19c. to 20c., and the colomial butter at 17 c . to 18 c ; and possion If the Danish farmer can produce butter at to $\$ 300$ per acre, and buying corn from our north orn States, it is simply "up to us" to produce the butter cheap enough to meet that competition. 50 or $\$ 25$ an acre, and with the base of corn, supply near at hand, unless we systemize the work and use business methods.
$\qquad$ our old vefrain, "t the testing and keeping soiling crops or summer silage to eke out pastures If this is silage or roots for whe that our farm ers can meet any and all competition, be it from But even if our milk-producing readers should not agree with our assertion that butter can be
made at a profit at sixteen cents per pound, it made at a profit at sixteen cents per pound, it
will not pay them to give up dairsing, as the low price is not likely to rule long, and, on an average, no other branch of larming pays

The Influence of the Hand Separator on Dairying.
$\qquad$
oring it immediately, as recommended above. As soo
entire lot should be warmed to 65 degrees F , th
entire lot should be warmed to 65 degrees F ,, a
alout five per cent. clean flavored sour milk added
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$\qquad$ ferably 52 deg
on the locality
$\qquad$ should gather in about twenty-five or thirty minutes and should be churned in granules about the size of
wheat. The buttermilk should then the butter washed once with water at about the sam
$\qquad$
$\qquad$ as the butter has been drained, an ounce of salt, or
threequarters of an ounce, as market requires, should added for each pound of butter.
he, the churn can be revolved a few times to thorough
ly mix butter and salt. The butter should be per
mitted to stand in this condition from thirty minute
$\qquad$

## Poultry.

Poultry Houses and Runs

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$\qquad$
done away with buttermaking on the farm, as greater
quantities of a uniform quality of good butter are
quantities of a uniform quality of good butter are
made at creameries or central places, hence better
prices can be paid. The introduction of the little
hrand-separator on the farm promises to bring about
additional changes; it has already greatly depreciated
the quality of creamery butter. This is largely due
to the unfamiliarity of patrons with the new conditions
that confront them, as well as to the practice that
some creamerymen have of reguiring the cream to be
brought in but two or three times a week. If the
cream had been properly cared for

Une of the first considerations is to thoroughly
cleanse the separator every time it is used. The de-
cleanse the separator every time it is used. The de-
siralle and undesirable bacteria growth depends upon the
cleanliness observed. The putrefactive species, or those
commonly associated with filth. In cleaning the sepa-
rator, first thoroughly cleanse the tubes and intricate
parts with warm water. After all the milk has been
tact with the milk. When purchasing a hand-sepa-
rator, simplicity of construction should be
first considerations in influencing the buyer.
separated, fat is a poor conductor of heat or cold, and
must necessarily

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End View of B. C. Poultry Hous

THE KARIVERS ADVOCATE
partition, resting on sockets nailed to the front
and back of the house. All inside fittings are best made so as to be readily taken out for cleaning. A hole is cut in the side of the hous far enough back to allow the deor, F, to be
iastened back when the fowls are allowed out. In addition to the covered run, an open run, not
less than fifteen by thirty icet to each house, should be provided, it being boarded up two fect, Shingles make a very satisfactory roof, and if the house be double boarded, with an air-space
between, and the top of the house is filled loosely with straw supported with battens, it will be finter withouts are warm and comfortable winter without any stove. The be
fowls warm is by suitable feeding. Coquitlam, B it would be necessary to make the house a litt would than would be required in B. C. This

Fatten Your Chickens Before Marketing The Reliable Poultry Journal says in its las. chickens for market is to become an important country. Crate fattening, briefly described, con sists in penning in crates fowls inat are intended in such a manner, and feeding them special, easilycreasing their weight, softening the flesh and im proving its grain and flavor. results and increasing in popularity, the machin method of cramming fowls is growing less popular even in the European countries ago. We ar reliably informed that English market poutryme who tested thoroughly the enforced factine has
fowls by the use of the cramming-maching one by one abandoned it in favor of the mor ments made thus far in this and other countrics have not borne out the claims of the cramming pattening can be practiced conveniently and without much additional expense and as the result seem satisfactory, we look for a rapid growth in the popularity of this plan of improving table
fowl. A common complaint of buyers of poultry is
that the birds are deficient in flesh-covering, a that the
fault which the crate method will tend to over-
come. The market is almost unlimited for dead poultry, properly fed and dressed.

Denmark's Egg Trade. and constitutes one of the principal sources of revenue
in that kingdom, increasing from year to year. In 1900 in that kingdom, increasing from year to year. In
the exports were 332 millions of eggs, representing a value of over a million sterling, which shows an in-
crease of 50 per cent. since 1898; while in 18\%0 the value of the eggs exported was little more than a
thousand pounds. The increase in the production, as well as the high prices realized abroad, is due to the
co-operative societics for the sale of eggs, principally to the Wanish Society for the export of eggs, foundef
in 1895 , which numbered in 1901 thirty thousand mem-
 being marked with the number of the member, anul
bearing the date of laying. Any nember whoo ocommints

and has gained a very yood rerentation, so that the onnith | Vges are sometimb |
| :---: |
| than the Enylish |

High Prices for Poultry following:
George
H. Sorthup, of Paceerille, Waslingtor County, New York, recenty, sold (ieo. H. F. Fi,
Schrader, of Berlin, Gernany, ninctem Rose-ormil




Chickens Need Water
six weeks cannot be grown until they are five or Expert poultrymen in being supplied with water. the very start they in general agree that even from liberally. If by any means hove water supplied been allowed to become very thirsty, they have
not have full access to very cold water cramps or chills are likely to be caused by drinking too freely. When there is danger in this rewater, but chill should always be taken off the ol,tain rapid growth they should always have plenty of pure water.

## Porticulture and Forestry. Planting Evergreens.

usually female moth in grassy or weedy nle of summer. The
egps are rarely laid
on or in the hut ${ }^{\text {on }}$ some small,
plant. mly a short time to
hatch, and the youn come forth like larven
 It is scarcely
practicable to check
the ravages worms on a large
scale, hut where they
appear in favorite and cheap placing poisoned bait made of bran and

Life of the Cutworm.
the study of insects (entomology) some attention,


 transitional that the worm-like condition is only that later the imago, moth
full-grown stage is arrived at. full-grown stage
intruders
cutworm. We find him at this senson in the is the a greenish-gray, greasy looking season in the form
an inch an inch
and of a slate pencil, or smaller, preying upon wheat, oats age. He hides during the day at the base of the
H. Hants at which he feeds, and at night comes out t
eat. Damage from cutworms in thi done in June. When July has come country is mostly selves in a slield-like case, called a cocoon, from which state they emerge in about ten days as grayishi-lirown
colored moths, méasuring about three-quarters inch when wings are extended. These moths are of an seen in the daytime, but are very active at night, being August and September, during which months they fiy into the house at night, and cluster around the lighted "s." -tage they a th

$\qquad$ the leaves if it is exposed to sun or wind. Again, re- should be thoroughly mixed dry and
menter, the sap of an evergreen is unlike that of other little sugar added, until thoroughly
$\qquad$

British Columbia Fruit

OF Frment
Surbit
$\qquad$
$\qquad$ it in planting all of the large trees, hy opening will creased shipments hy freight and express, as the fol-
and deep dead furrows, in the bottom of which the lowing figures show: There were carried hy the C.
rools are well spread, and the soil worked amonsst p. PR. during 1902, 1469 tons of fruit, whilo in 1903 them hy moving the tree "chum dasher fashion,"
whifle an assistant shovels in the mellow surface soil.
Tlics should be so firmily packeel ahout the roots
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## Events of the World.

A tremendous free-trade demonstration, held at the
Alexandra Palace, London, June 4th, marked the Cobden centenary. Eighteen thousand people were present at the meeting.
An American syndicate has obtained from Menelik, King of Abyssinia, an important preliminary conces-
sion for the construction of railways and exploitation sion for the construct.
of mines in Abyssinia.

The Germans are having more trouble in Africa, this time owing to a dispute over the German and Bel-
gian boundary in the vicinity of the Congo. German gitan boundary in the vicinity of the Congo. German
troops took possession of Kutchuru, and turned out the troops took possession of Kutchuru, and turned out the
Belgian officer in charge. In retaliation, Ccngo
troops have been despatched, and a conflict is feared.

A cablegram from Berlin, says the existence of a Kaiser, whereby the monarchs have bound themselves
to prevent war between Germany and Russia as long to prevent war between Germany and Russia as long
as they and the present Crown Prince of Germany live, has been admitted by the President of the Reichstag. circles.

The Thibetans have rejected every overture made by session of one thousand modern rifles, supplied to them by the Russians, and that they are enlisting help from the Mongolians, who are described as expert horsemen, amiliar with the use of lance and gun, and much re sembling the Cossacks in their methods of warfare

The ship Godthab, which arrived in Denmark recently from Greenland, brought letters from Dr. Erichsen,
leader of the Danish Literary Society, Greenland expedition, which went to Greenland some time ago for purposes of investigation along literary lines. The docand have succeeded in gathering a rich stone of Eskimoan legends and fables. The party is now at Uper-
navik, but will visit other coest colonies before returnnavik, but will

The Portuguese town of Setubal, which contains 30,000 inhabitants, is threatened with an epidemic of
hydrophobie. A mad dog bit thirteen others, which in turn went mad, and bit 200 goats and cows that sup300 cheese were destroyed, but not until two deys and he biting had occurred Much alarm exists in the town, and the medical authorities are exercising the oms among the people.

Important naval manouv, experices of the contesting leets in the Far cast, are to fleets. The successes of the Japanese navy, especially torpedo work, have been watched by British naval milar lines will be made. Many experiments will have not carried on with submarines, wis in which eleven men were drowned, the Admiralty has at present over one thousand names of naval men eager
$\qquad$ The situation in Morocco does not improve Mo-
hammed el Torres, the Sultan's representative for foreign affairs, is appealing to the tribes to capture
Raisuli, stating that this alone can save Morocco from invasion, the presence of American war vessels in the brigands, who feel quite secure it their mountain fast-
nesses. nesses. The demands of Raisuli, one of which calls for the deposition of the Pasha of Tangier, are exceedingly
difficult to deal with, and it is thought that powerful diffcult to deal with, and it is thought that powerful
Furopean intervention may be necessary before the trouble is settled.

Owing to the peculiarity of the situation which
has developed on the Liaotung, it is little wonder that the peninsula has become the center of the keenest into the outside world, which follows daily the events transpiring in the Far East. Although the several
skirmishes which have recently taken place north of skirmishes which have recently taken place north of
Polantien signify nothing, yet, almost hourly, the situaPolantien signify nothing, yet, almost hourly, the situa-
tion becomes mare tragic. Port Arthur still remains in isolation, the Japanese at her doors, her fleet prac-
tically useless in the harbor, her rations decreasing, and with little probatility of immediate aid to en-
courage the desperate men whom fen. Stoessel courage the desperate men whom Gen. Stoessel
harangues each week, until the shout rises over and
over again, " We will never surrender !" Not many over again, "We will never surrender !" Not many
miles away the enemies of the helenguered city swarm,
busy as hees, putting forth every effort which will tend ultimately to its reduction. Along the one hundred
miles of the peninsula which have come into their hands, they are reconstructing. with all possible des-
patch, the rallway which they themselves destroyed.

In Talienwan Bay they are also busy, dragging the purpose many divers, whose paraphernalia is so coma time. All this forbodes trouble for Port Arthur, for nothing artillery, which will be used in attacking the town. Further northward is the great Russian army, seized recently, it would seem, by uneasiness and vacillation, The main body, consisting of $200,000 \mathrm{men}$, is still at Liaoyang, but it has been stated that Gen. Kouropat-
kin, yielding to official pressure, is sending troops southward, and it is surmised that, being convinced at last of the mistake in overrating the ability of the Port
to resist siege, he will make some attempt to relieve it. Owing to scarcity of food in Manchuria, the sending of soldiers from Russia has been temporarily discontinued, and the Great Simerian is taxed to its uttertune is wholly in favor of Japan. Nevertheless, as has been observed, Russia has great "staying power," and
the Little Empire's spurs have not all been won yet.

## Field Notes.

The Canadian Pacific Rallway Company has decid make its new Winnipeg station and hotel fireproof. In consequence of labor troubles at Sydney, C. B., Ten members of the Northwest Mounted Fulice have been dispatched to Erudson's Ray
> his The Hon. Edward Blake has decided his law practice, in order that he may remain in Par ant as the representative of Longford, ireland. 28th, wrecked the fair buildings and other structures The loss will be about $\$ 15,000$.
The Department of Trade and Commerce of the Dominion is calling for tenders for a monthly steamship service between Canada and Mexico. There will be The Royal Commission, appointed in London, Eng., in August, 1901, to infuire into the relation between human and bovine tuberculosis, have reached the con
The question of taking steps for keeping out undesirable immigrants and affording more assistance to tesirable ones has been made a matler attention e
According to statistics recently made public re of this year, 24,000 of the immigrants were Enclish 8,000 Galicians, 3,200 Scandinavians, 1,100 Italians, and 3,500 Russians, Germans, Jews, and others; the cotal number thus aggregating 39,800 .

tion at Mandacturers Assoclation at the Antipodes, arrived in Montreal on May
25th. intervlewing the Dominion Government regarding the establishment of a direct line of steamships between New Zealand and Canada.
Money orders from all over the U. S., aggregating
so far $\$ 30,000$, are pouring into the general post offica so far $\$ 30,000$, are pouring into the general post office
at New York, for a concern known as the " Eastern Trade Company." A month ago the postal authorities address to be held, examined, and sent back to the senders. One clerk is kept busy re-mailing the letters rultitude never learns the lesson of paying no attention
little.
The Medicine Hat News furnishes us with the fol lowing: Several fruit trees covered with bloom have
been attracting attention this week. W. E. Porter ha apple trees covered with blossoms, and has also a bed
of strawherries in blossom, and with prospects good crop of fruit. Thos. McKay has apple trees in bloom. There are several plum trees in blossom in
the C. R. R. gardens. At Maple Creek, Mayor Dixon showed the editor of the News several plum trees in
hoom. The experiments made in fruit culture in this

## Brandon Fair

- The lists are out for the W. A. A. Association Fair, getting over stock are increased, the stallions, (aged) classes. Shor and Tore Jore in the cattie $\$ 500$ each ; the Doddies offer $\$ 550$ to be competed for which ought to hring out a big exhibit of this grand
heef breed. This show ought to be a favorite with the swine lireeders, as serparate classes for Chester
Whites and Poland-Chinas have been added, the oppohreeds mentimed together The poultry entry is usul aly strong at the Brandon show, many up-to-date fan-
ciers residing there, and from the prizes offered, the ex-
hilit of turkeyg higger and better gease, ducks and chickens should be
progress has been made, and to appreciate it you must
plan to get to the show and take the family, or to use
Agricultural News from Canada's Capital.

Hon. Sydney Fisher will introduce a bill in Parlia ment thin many modifications of the act of last year. One of the changes in the nining maximum and minimum grade of seed, in stead of undertaking to define different grades. The Mindster is altering the law in compliance with the re quests of seed merchants and Farmers' Institutes. The maximum grade corresponds with No. 1 variety, an the minimum grade the, lowest quality of seed per
mitted to be sold. The recommendations came to Mr . Fisher in response to the 29,000 copies of the act last year distributed throughout the Dominion. intention of the Government is to maintain a seed in spemples will be sent. The report of the officers will be held as evidence as to quality of the seeds. Th dealers will make the first grading. Mr. Fisher in tends that the act shall come into force on July 1st,
In his evidence before the Agricultural Committee of the House of Commons last week, Mr. A. G. Gilbert,
poultry manager of the Central Experimental Farm, gave an account of a feeding test, which showed tha flesh had been put on chickens at 4.7 cents a pound. fattening fattening began.
pounds six ounces. They were fed to the weight of four
pounds twelve ounces. commented on the fact that no turkeys the committen kept on the Central Experimental Farm. Mr.. Gilbert said the present quarters were not large enough to in required much sur Wilson, Lenow, Mr. Richard Blain, Peell, expressed the opinion that space should be provided for these two classes of poul try. Mr. Gilbert said that hens over two years old
shiould not be kept for winter laying. Concerning best

## Duplicate St. Louis Prize Money

 estimates for exhibitions, Hon. Mr. Fisher, Minister of Agriculture, announced that in order toencourage the exhibition of Canadian live stock and poultry at the St. Louis Exposition, the Government was prepared to duplicate the prize-
money a warded them. In a letter to the Dominion Live-stock Com-
mission, dated June 3rd, Mr. Fisher writes : " I have decided to make the following arrangement :
That wherever any Canadian wishes to exhibit horses, cattle any Canadian wishes to exhibi and above the ordinary services which we orant to any exhibitor, pay to each such exhibitor, sum equal to the prize money which he secures competitions, the St. Louis Exhibition authoritio have asked that our Commissioner shall counter sign or endorse the certificates of registration of ceive the stock. We will there undertake to live stock, addressed to Mr. Hutchison at the will examine the ing the St. Louis Exhibition endorse such as we feel we can recommend to the Exhibition authorities : and we will see that these entries and applications are properly at-
tended to, and the intending exhibitor duly notified as to the conditions of the Exhibition in re

Grain Inspection Act at Ottawa: The Cloven Hoof Shown.
only clause in the amendment to the Manitoba Inspec-
tion Act now before the follows : :" The certificate of inspection sugested, reads as ing officers, shall in all cases accompany the grain to the Manitoba inspection for Manitola grain, whether such grain goes forward in bulk or in cars, providen,
however, that should any person interested in such grain
have reason to believe that it tion, or has deteriorated in quality since it was originally inspected, any inspector may at his reqquest of condition or has become deteriorated in quality, he may issue a certificate in accordance with the facts."
No one will take oljpection to the first two sentences of this clause. If it ended there it would suit all West forward to its destination without any tampering. The hoof of the Eastern clause, however, shows the cloven money from grading and sampling. It seems improh-
able that any Government could be induced to so forget the interests of the Western grain-growers as to al
low such a clause to pass. tolerate for one moment any such infraction of their
rights, through dictation coming from Eastern Boards

THE FARMERS ADVOCATE

## Coming Events.

| Agricultural societies, farmers’ institutes, graingrowers' and other organizations in which farmers are interested, may have the date of any important events to be held under their auspices included in the following list by addressing a post card containing the information to this office: |
| :---: |
| Thos. Greenway's sale .......................................June 15 |
| Blyth Plowing Match ....................................June |
| Municipality of Morton, Plowing Match................July 1 |
| Brandon Plowing Match ..................................July 6 |
| Semi-annual meeting B. C. Live-stock Ass'n......Aug. |
| The following dates have been selected for holding |
|  |
| mnstrong, B. C. ......................... ................Sept |
| Crystal City, sports ........................ ................J une 22 |
| Boissevain, plowing match |
| ian Head, Turf |
| Edmonton, fair ..............................June 30, July 1-2 |
| Minto, fair ....................................................Ju |
| Calgary, fair .................... ..................July 5 , 6, |
| Morris, fair ................................................July 6-7 |
| Pilot Mound, fair ........................................July 6-7 |
| Innisfail ............................ .............................July |
| Innisfail, stock show ......................................July 12 |
| Wawanesa, fair ........................... ...............July 14 |
| Holland, Man. .a................................................uly 19 |
| Neepawa ................................................July 19-20 |
| Hartney, fair ...............................................July 19-20 |
| Virden .....................................................July 19-20 |
| Korkton, fair ...........................................July 19-20 |
| illarney, fair ....................................July 19, 20, 21 |
| Shoal Lake, Man. ...........................................July 21 |
| rden, fair ..............................................July 21-22 |
| innedosa, fair .....................................July 21-22 |
| Dominion Exhibition, Wimnipeg .........July 25 to Aug. |
| Saskatchewan .......................................Aug. 4-5 |
| Oak River, fair ..............................................Aug. 5 |
| Stratheona ............................... ............. Aug. 8, 9, 10 |
| Treherne, Man. |
| oosomin, fair ................................................Aug. 9 |
| Brandon, fair ................................................Aug. 9-12 |
| trathclair, |
| Broadview ........................................................Aug. 10 |
| apella, fair ....................................................Aug. 11 |
| combe, fair .................................................Aug. 11-12 |
| anitou, fair .................................................Aug. 11-12 |
| tug. 12 |
| rmede, fair .................... .........................Aug. 13 |

## Butter at the Dominion Fair.

 The Secretary of Manitoba Dairy Association, Mr.G. H. Greig, has sent out a circular, dealing with the
Hhibition of butter at the Dominion Fair, reading as
follows:
In reference to the section for export butter, made
thirty days prior to the fair, we will do our utmost to
provide as perfect conditions of cold storage as pos-
sible. Arrangements have been matle with R. A.
Rogers \& Company to store the butter.
If you contemplate making an entry in this section,
please note the following:
Fxhibits must reach Winnipeg not later than June
20th.
To keep package clean, use burlap, not cotton
sacks.
Attach your address label to exhibit for purpose of
identification.
When shipping, notiry R. A. Rogers \& Company, as
well as the undersigned, and state that the butter is
for competition at the Winnipeg Exhibitian.
Consign butter to IR. A. Rogers \& Company, in care
of the Secretary of the Dairy Association.
Mr. Giltoy, of the Copenhagen Creamery, states
that in view of his being President of the Dairy Associa-
tion, and representative on the Winnipeg Fair Board, no
(exhivit will be made this year from his creamery.

## A Reply to Our School Question.

the Editor "Farmer's Advocate "':
Dear Sir,--In your issue of April 27ith you published

Dear Sir, - In your issue of April 27ith you published
an editorial about our sohool question. There are
some things in this editorial I do not think tgite right. As to the Old Country boy being better educated than his Canadian cousin of the same age, Ingpector Lang, of Virden, Man., in 1902 visited personally many of the
old Country schools, and reported that the reading and arithmetic done in these schools was inferior to the same kind of work in Manitoba. As to writing, I think the Manitoba boy can hold his own with his English cousin, while the ignorance
bout geography is proverbial
No doubt the Canadian te
No doubt the Canadian teacher is very young, but
if young teachers were not employed there would be many schools without teachers. Forty domars per month is perhaps good wages, but some third-class eachers are getting forty-five per month, and the
opinion of many teachers is that their wages should be increased.
Perhaps many of those who have come from Ontario are dissatisfied with Manitoba teachers. I think Maniin the matter of education and ability to enforce discipline. I have seen both Manitoba and Ontario teachers teaching schools, and our native teachers stood in the same relation to these Ontario teachers as Manitoba No. 1 hard wheat to the soft Ontario wheat.
There are many parents who let their children wild at home, and then expect the school teachers to control them. This is certainly wrong. If children are well trained at home, they will behave better at
school.
KENNETH McLAREN. school.

## Continue Reading

1like the "Advocate" better and better the more
H. L. owEN.

## Markets.

## Western Markets.

WINNIPEG.
Wheat-Thompson, Sons \& Co. report as follows on
he staple cereal of the prairie : " Notwithstanding the the staple cereal of the prairie: "Notwithstanding the
very small exports from America, the American visible supply shows about the same decrease for the week as
it did the corresponding week of last year. There was it did the corresponding week of last year. There was
a very large decrease in the world's visible, and a decrease of $1,132,000$ bushels in amount on ocean passage ; then the weather over a good part of the winter
wheat country is not favorable for the wheat crop this wheat country is not favorahle for the wheat crop this
week. It is too wet and cool, and with a sudden return to hot weather would mean meat harvest is pro-
rust. In the farthest south helt wheat rust. In the farthest south helt wheat harvest is pro-
gressing, but is interfered with by rain. The weather land all crops but the wheat crop are doing well. Th wheat had such a poor start that a fine spring has not
helped it much, and this year's wheat crop in Britain helped it much, and this year's wheat crop in Brathe
is going to be the smallest on record. In most other countries the prospect is good, except in Sputhern Rue sia and the Danube countries where drouth has pre vailed, and crops promise to be moderate if not light These countries have been heavy shippers to Western
Europe during the past two seasons, and any large fallEurope during the past two seasons, and any large fall
ing off in their ability to ship freely will strengthen the demand on America, and help to advance prices later o in the season."
Cash Wheat-No. 1 northern, 88c.; No. 2 northern, 85c.; No. 3 northern, 82 tc .; No. 4 , 74 toc.; feed, 60 c . July supplies, 9ytc.; Sept;ber, 792c.; December, 80 c Oats-Few offerings ; a car of No. 2 brought 40 c . Winnipeg. No. 2 white are worth on track here, 39 C to 41 c. . farmers'
Barley-Slight decline in prices to 40 c .
Hay-Baled car lots, $\$ 15$ to $\$ 17$; for wild grass timothy, $\$ 19$; supplies more plentiful. Flour and Feed-Flour, No. $\mathbf{1}$ grade, $\$ 2.55$, sack of
98 pounds; No. 2, $\$ 2.40$; No. $\mathbf{3}, \$ 1.80$ to $\$ 2.10$. 98 pounds; No. $2, \$ 2.40$; No. 3, $\$ 1.80$ to $\$ 2.10$ a ${ }^{\text {Bran, }} \$ 18$. Shorts, $\$ 19$ a ton. Oat chop, $\$ 28$ Bran, $\$ 18$. Shorts, $\$ 19$ a torn. $\$ 22$; oil cake, $\$ 27$ a ton.
ton : harley,
Seeds-Market practically over with for this season. Seeds-Market practically over with for this season. Potatoes-65c. to 70 c . per bushel, farmers loads.
Seneca Root-50c. mentioned as a starting price for the new crop; higher thian for past seasons. dAIRY PRODUCE.
Butter-Prices for dairy are quoted at 1 čc., 17 c .
net Winnipeg, which must be for inferior stuff. Retailnet Winnipeg, which must be for inferior stuff. Rotail
ers have sold no good butter in Winnipeg for months at less than 25 c ., and plenty at 30 c . for a good article. A short time ago, Ontario tub butter was seen being made up into bric on the local market.
Creamery-Little

Creamery-Little coming forward as yet. We ex-
$t$ to see prices for good butter hold up well all summer. grg-Coming iorward and hides.
wool and
Some coarse wool coming forward at 7 c . to 8 c .
jastern woollen mills are said to be in a state of great Eastern woollen doubtless tolinability to raise the tarifl depression, due doubtless tear the prices for raw wool. and are being used to bear the prices for aw wool able to handle all the wool produced, the Medicin Hat plant now being erected and LIVE stock Prices for cattle are
3łc. for inferior stuff
Sheep'are quoted at

## Chicago Markets.

Chicago.-Cattle-Good to prime steers, $\$ 5.60$ to


Hogs-Mixed and butchers', $\$ 4.75$ to $\$ 4.97$ t : good-
 choice, $\$ 3.75$ to $\$ 5 ;$ native lambs, clipped, $\$ 5.50$ to
$\$ 5.80 ;$ spring lambs, $\$ 5$ to $\$ 7.65$.

## Montreal Markets.

Montreal.-Prime beevas, 5 tc. to 5 ctc . per lb.; good medium steers

British Cattle Market.





Miss Vivian's Legacy.


 from the young woman who was working
at the table. It was plain that the pair were husband and wife, and the newness
of the furniture of the furniture and the brightness of
the girl's wedding-ring betrayed that they the girl's wedding-ring betrayed that they point of fact only six monthh had elapsed
since Robert Vincent had brought his since Robert Vincent had brought his
bride home, only to a humble abode, but " My house, my house, although thou' small, thou art to mee Escurial."
Carrie Ainglie had been Carrie Ainslie had been left an orphan
in early childhood, and brought ap the rather grudging charity of a friend of her mother's ; to whom in consequence ratitude felt herself bound by ties of selfish enough to bid her "." wait till was gone, child, don't leave me alone in my Old age," Carrie agreed to postpone her
marriage with the young bank clerk who could have given her a happy, if a
humble home and a waited ") patientlyhumble home ; and "waited "patiently-
more patiently than did Rovert-for five weary years; during which the girl was
a patient drudge and a patient drudge and souffre douleur to a
peevish invalid ; worked and worried by peevish invalid; worked and worried by
old Miss Vivian, and looked upon with no listle jealousy by, the old lady's
nelatives, who, although they would have relatives, who, although they would have
been very reluctant to have filled the
"companion's" situation companion's" situation themselves,
were constantly hoping that "that girl, artful of course, as all these quiet people are, will not influence Aunt Deborah to make a will in her favor, and cut out her
own flesh and blood." own flesh and blood."
Indeed, as Miss Vivian grew older and more failing in health, the increased attentions of her relatives attracted the
notice of the old lady, who, with the notice of the old lady, who, with the
cynical frankness of the rich member of cynical frankness of the rich member of
the family who knows that her expectant legatees dare not quarrel with her, would
say brusquely, hanging alout me in this way; I'm not in a dying condition yet. Oh, yes,
hnow what you are going to say, you
hope rll outlive you all'-well, per'hope I'll outlive you all '-well, per-
haps I may," and the old lady would
 were killed. Then Miss Vivian said she hanging on its peg, and made some signs would pay for my education until 1 was a
sixteen, when she would take me as her
companion."

## Travelling Notes.

wiched in, as space permits, between what Nell has written and Eleanor promises to write of our
periences in sunny Italy.
Our stay there of nearly eight we spent in Florence; three weeks Rome. It has all been most delightful; the weather generally fine and sunshiny and not at all cold, so sight-seeing every day to go out that this we might confinue told ior the next three years and still not have exhausted Rome, so much is there to see and study in this wontravelling for health and we are and not for the study of archeoology, etc., as so many come here to do We three are quite content to read manage lo learn, holing that we may least some of the mental pabulum which daily falls to our share We cannot fail to learn something from isiting such historic scenes as the Aqueducts, Architecture, Obelisks, ium, Appian Way, Catacombs, tombs, fortifications, and Walls of Rome. My cousins may be more fess to being terribly mired ust con once, when asked if I had seen such and such a place, I positively replied breath and no in the same hour spent in as one would after an which appear and fade away swiftly a series of dissolving views.
The Colosseum, visitor is certain to see, no matter how limited his stay, covers seven acres of the most magnificent build ings ever erected. Two-thirds of the original bunding have disappeared.
After the After the ruin had been converted insupplied the Roman Princes for near for their palaces. lt was materials the finest and strongest stone, then laced with marble, the corridors and of marble. It was four sloring als and was capable of holding a huntorial thousand people. The gladiatorial spectacles of which it was the scene for nearly four hundred
years are matters of history We read that at the dedication of the building by Titus, 5,000 wild beasts were slaughtered in the arena, and
$\qquad$
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$\qquad$thh weine the colsseum by mon
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JUNE 15, 1904
ber of the Capuchin Order, contains a celebrated picture of the Arch ingel
Michael, by Guido Rene, but the most curious thing to me was to see church, consisting of four chambers The earth was originally brough from Jerusalem. The walls are some four thousand monls, fantas tically arranged several sl eletons are standing erect in the robes of the order. Whenever one of the Friars dies, he is buried in the oldest of the last occupant are removed to this last occupant are removed to this
gruesome cemetery.

Upon entering this church one is confronted by three flights of steps The center stairs, called Scala San-
ta, consist of twenty-eight marble steps, stated by tradition to have belonged to Pilate's house, and to have been identical with those which the judgment seat. These stairs are only allowed to be ascended by penilents on their knees, and the multi
tude of these have been so great that it was found necessary to protect the original steps by planks of wood. Twice have I watched with astonishment large numbers of old
men, women and children, high and low, rich and poor, upon their knees, praying, and even kissing the steps as they moved slowly upwards. At the top is a handsome gothic chapel, which contains a large collection enter it. There are parallel flights of stairs, down which the penitents may return on foot.
THE AQUEDUCTS. are more picturesque and stupendous than its Aqueducts The stupendous these was constructed by Appius Claudius, 311 B. C., after the completion of his Appian Way. Aqua Claudia pursued a course of more than forty miles in length. For about thirty miles it was subterran-
ean; for the remaining ten miles it ean; for the remaining ten miles it
was carried over arches. Of this was carried over arches. Of thi
magnificent work, a line of arches n
ess than stx miles in length still
bestride the country, forming the
grandest ruin outside themen Romest ruin outside the walls 1 it is difficult to form a true and the labor the skill to conceive out a work which once prowidedry or eleven such aqueducts to Rome its water supply from tho stistant mountains, and which to-day beneficent fice for the Ro the same Truly there are many lessonan people learn from those days of old. we may W. THE CATACOMBS. We only once managed a visit to
the Catacombs of Rome been too frequently described for $m$ to explain their effect on will try the Catacombs number about minds, and cover several miles. They consist of an immense network of subved as passages, which once sel ship to the earliest followers of ou had to suffer under the predecessors death to many. thousands fron the earliest period of Christianity The the sixth century of our era the bones and dust of these departed in the Catacombs of Rome. Lack of space forbids my telling you of the men, women, children, we had to drive bargains for our conveyances, and the thousand and from time to time, we found oun
We have still Pisa and the Ri
viera to visit, and one of us may have something to relate of both Both Naples and Pompeii were rich treats to us all, and it is probably
of these that Eleanor may writ when next the "Home Magazine" can spare us a corner. MOLLIE.
$\qquad$ MOLLIE. We become heavenly minded by living to make others happy. If it is the aim and
work of your life to be a blessing work of your life to be a blessing to
others, you are Hving already the heaver ly life.-E. H. Sears

The Last Load.
The home-going with the last load is a charming little picture, needing painting the coloring of the original ies, of oring out all its beauforefront, with hand linked in hand, the painter has probably given to lark hon skirt, to another a spotted 'kerchief, to relieve the gray homespun of the petticoats and the somewhat sombre surroundings of rock and heather. In the faces of just a touch on the left there is look, marking them as somewhat uut of touch with the merry chatter of work comrades. It is the older in the who are apparently jcining the man waving his cap ! started by ground, whilst at the back of the load walks " His Reverence," who, the his evening stroll, has overtaken have a word of congratulation will greeting for his people presently Substituting prairie for hill, might our picture, with slight alteration of costurne, be as true a representation of a scene in the wide har-
vest-field of our own Northwest of any upon the other side of the Atlantic, for is not the bringing in riment and rejoicing an hour of merriment and rejoicing all the wide

## Kings of the World.

When the boys and girls were asked to witted an essay on "Kings." a quickgem:
The most powerful king on Wor-king; the laziest, Shir-king ;arth very doubtiul king, Smo-king ; the wittiest, Jo-king; the leanest, Thin-king; the
thirstiest, Drin-king; the slyest, Winthirstiest, Drin-king; the slyest, Win-
king ; the most garrulous, Tal-king; the most inquisitive, As-king ; the most useful, Ma-king ; the most un-Brea-king ; the most dissolute, Ra-king the meanest, Snea-king ; the most corthe meanest, Snea-king ; the most cor-
rupt, Fa-king.
or e'en impart
Or throb of comfort to an achirg heart,

If I can lend
strong hand to the fallen, or defend
strain, against a single envlou
My life, though bare,
Perhaps, of much that seemeth dear and
To us on earth, will not hor

The purest ${ }^{j}$ j
Most near
alloy
bidding clouds give way to sun and
shine,
on that day of days the angels tell
thine." she did her best for one of

## If I Knew.

I knew the box where the smiles were No matter how large the key f strong the bolt, I would try so hard
'Twould open, I know, for me. Then over the land and sea br
That scatter the smiles to play, for many and many a day
If I knew the box that was large enough would like the frowns I meet, From the nursery, school end street Then folding and holding, I'd pack them And, turning the monster key, Th hire a giant to drop the box
To the depths of the deep, deep se
" It the dog's prayer were heard, there "If the dog's prayer were heard, there
would be a shower of bones from


The Last Load.

## Tohaceo and Liquor Habils.  atainity our

## For a Time

Constipation and Indigestion may give tressed feeling or discomfort due to an
overworked or impoverished condition of

## Beecham's Pills

 Will easily put this right, but if neglectedwhat a burden of illness may be the con-
sequence. sequencu.
Sold Everywhere. In boxes 25 cents.
Evvaporated
$\vdots$ Apples at
¿Wholesale.of evapo ated apples this spring to :
West, and always with satisfection.left, so this will be our last offer this :
put up in 50.1 lb . boxes. To minimize
Mrer paying freight at least two cents

THE F. O. MABER CO., LTD. 539-549 LOQAN AVE,

Sewing For 20 days trial. W Machines ${ }_{\text {wo }}^{20}$ daysg free trial before Free a 5 -drawer, drop-heat, sewing -arawer, arop-head gewing menchine, We sell chine, same pattern, guaranteed for 20 years
sells for $\$ 1.50$; machines with ball bearing and extra fine wood work costa little more, but
only ybout half what others charge. Our sew Windsor Supply be sent on application


Now Ready HORSE LAMENESS 5 2- $=4$
Dunlop "Ideal" Horseshoe Pad THE DUNLOP TIRE CO TORONTO, CAN

## FAIR DIPLOMAS


 Lonoon Print dive autro.
advertise in the advocate,


God's Messenger
chanced one lovely day in spring,
To walk through a woodland glade To walk through a woodland glad New inte was showing all ar
In tender bud and blade.
Majestically, above my head. Towered the grand old forest trees From which the songs of happy birds
Were borne upon the breaze In the soft glow of the setting sun All nature seemed to smile,
paused to drink its ghories in And well 'twas worth the whil Went up to nature's God, Had borne a weary load.

The cares of life were pressing hard,
My sky was My sky was overcas Seemed gathering thick and fast. To the chaos reigning in my hea On andowstat mid domit Had nature spread without.

As I turned to leave the lonely spot In heaviness I sighed
When just before me When just before me, as I walked
A sweet wild flower I spied Atiny flower, so fresh and bright,
Above its mossy bed Fanned by the gentle ex Fanned by the gentle evening breeze
It reared its lovely head

As, stooping with a tender hand,
I plucked it from the sward, Like a flash light came to my mind The word of Christ our Lord.

- If God so clothe the fading grass Will He not much more care for you,


## swet, silent meseseger

By it I stood condemned, yet felt, the while, a thrill of joy
Which I could not comprehend.
New hope sprang up within my her And to my eyes the tears
Oh Father dear," I humbly crit
" Forgive my doubts and fears.
And, oh! When dark clouds dim life's
When Thy hand I cannot see
That me to ever feel that still
That hand is leading me.
Help me to learn the lesson
Taught wy this little flower
And in this life, through good or ill,
To trust Thee evermore."
Corinth. M. CARRIE HAYWARD.
This little sermon in verse was
written by one of our readers-" armer's wife"-and I have great Quiet Hour, as it not only sbows rue poetic insight, but is also a
proof that the "lilies of the field " are still preaching to burdened socls,
still pointing silently to Him who only can give rest to the "weary and
oneavy-laden."
HOPE

A quiet home ; vines of our own plant.
ing ; a few books full of the inspiration genius ; a few friends worthy of being hudred innocent pleasures that bring no pain or remorse; a devotion to the right
that will never swerve; a simple religion,
empty of all bivotry pmpty of all bigotry, full of trust and
hope and love-and to such a phillosophy his world will give up al
t has.-David Swing.

Be Strong and of a Good Courage.'
lo not pray for peace,
Nor ask that on my path
The sounds of war shall shrill no m
The way he clear of wrath.
But this I beg thee, Lord :
Steel thou my will with might,
And in the ring of battling
Grant me the strength to fight.
I do not pray for arms,
Nor shield to cover me;
What though I stand with empty
So be it valiantly ?
Spare me the coward's fear,
Questioning wrong or right;
Lord, among these mine enemies

Three times in one chapter does Moses give this charge to Joshua
and all Isiael: "Be strong and of a good courage," and we all have good Life is not an easy thing and we are all cowards sometimes. I wonder if there is any special meaning in the expression "good" courage. Certainly there is a kind of brute cour-
age possessed by a very low type of man, and there is also a courage which might well be called " good," often startlingly displayed by very timid women: a courage which can endure pain with a smile, or face
awful peril without a thought of personal danger.
A man who possessed plenty of
rough, brute courapes once said to a rough, brute courape on ce said to a
young officer who was in the thick young officer who was in the thick
of his first battle, "Why, you are afraid! !' The shells and bullets
were falling like hail as the young fellow answered, "That's true, and if you were only half as much afraid
as I am you would run away." He as I am you would run away. He afraid-and it must have taken some pluck to do that-and he was also
brave enough to stick to his post in spite of fear. "Good" courage is
surely not the kind of daring that takes pleasure in foolhardy exhibitions of bravado, risking one's life without sufficient reason; but rather the quiet, steady, sticking to one's
duty all the year round. It may be monotonous sometimes, and again it may be almost too exciting and grand to be pleasant, but the people
we have good reason to admire for we have good reason to admire for
dauntless courage are not trying to establish a reputation for heroism, but simply doing wha thre consider year ago a mine in B. C. was filled with deadly gas. A miner named risk of his life to rescue his com-
rades. When all were saved he col lapsed, and another man then venwere down, to make sure that there failed to come up, so McLeod again
descended, and brought him out in descended, and brought him out in
safety. Such a call to ". be strong and of a good courage " nearly al ways comes suddenly, and until a
man is tried, neither he nor anyone else can be sure whether he can stand the test. Perhaps such an oppor-
tunity may never come to vou, and yet everybody is called to " be strong every day. When volunteers, were
wanted for South Africa, thev eaperly responded to the call to the post
of danger. Were all those will of danger. Were all those would-be
heroes really filled with "good" courage?
". Any common man may face a
cannon, but how many men dare face
the sneers and calumny of cannon, sneers and calumny of their
the and
brethren? " so says a modern writer and he adds: "Those of us who
consort much with people in humble life often see bold men submitted to
trials that test their essential cour-
ever give a thought to the sufferings of a workman in a rough shop when he leaves off drinking and takes to
religion? Life is often made bitter religion? Life is often made bitte
for him, and it is the more bitter in for him, and it is the more bitter in hypocrisy. Daily he is told that the feelings and beliefs which are the breath of life to him are shams and
worse; he may even be obliged to worse; he may even be obliged to
brook violence, which his principles will not suffer him to return. It is cruel work, and yet how many fine fellows go through the ordeal proudmodest folk are the true heroes." The world may heap honors on the soldiers who have killed or wounded their fellow men; but if we look with God's eyes, perhaps we may women who stay at home and go cheerily on with "' the trivial round the common task "-plowing, sowing and threshing, cooking, washing and sewing, year after year. Some people
may admire the dashing courage a general who forces his way to vic tory, utterly careless of the lives sacrificed that he may win success an excellent general at ten thou sand men a day "-but I think Gen age in his open, unabashed loyalty to his God. It is said that in the journey through the Soudan a handfor half an hour every morning. This was a warning to the whole camp that he was having his daily meeting with his Captain, and must not be ored, heathen No man, white or col enter the tent while that token lay outside. A frank and fearless loyalty to Christ, like this, is sure to ways makes good His for God al " Them that hoonor Me T will honor and they that despise Me shall be another kind of courage deserving the name of "good"-the patient, cheer ful endurance of long-continued pain praises God in the furnace of afflic./ Far
th hath martyrs now, a saintly Each dey unnoticed do wo pass them by;
Mid bu along,
Bearing
Bearing a hidden cross, how patlent
Not thetrs the sudden anguish, swift $\stackrel{\text { and keen, }}{\substack{\text { Their } \\ \text { heart }}}$
Their hearts are worn and wasted With dally griefs and
unseen, griefs and thrusts from foes Troubles and trials that take them unawares
They weep through, silent martyrdom, long for rest to come. They weep, but murmur n
God's will
And they have learned to bind own to His,
Simply endurin
Is the knowing that each ill Striving ; Striving and suffering, yet so silently
They know it know them best.
hul and true through long adverThey work and wait until God gives them rest
These surely
swell their their song of praise
Dr. Arnold says that his sister, wo was the victim of hopeless disease, wenty years, during which she adof never tar eary-formed resolution ful about the very pins and ribbons of my wife's dress, or about the makof herself, save cap for a child ; but ipening in all gave only as regarded her thouchtless ; enjoying with the keen-
Guriful, high-minded, whether in

JUNE 15, 1904 promise, though never leaving har
crib, nor changing her posture, and
preserved through the very valley of the shadow of death from all fear or impatience, or from every cloud of the beauty of Christ's Spirit's glorious work." What faith outside Christianity, can show such a record
as this! Surely the age of miracles as this ! Surely the age of miracles as the very life of Christ flows full and strong through weak human souls, filling them with divine power
and beauty. We may not be called on to endure such a martyrdom as that, but I an very sure that when
God calls us, as He does constantly, to ", be strong and of a good courage, He endure, even though our courage may vexations and difficulties with a smile. We are sure to fail if we try
to fight alone, but we can do all help us. Let us look to Him constantly, as Gordon did, and
daily for strength to fight.
I do not pray that
Keep me from any wound,
Though I fall low from thrust and blo
Forced, fighting, to the ground ;
But give me wit to hide
My hurt from all men's sight,
And for my need the while I bleed,
Lord, grant me strength to fight.
I do not pray that Thou
Should grant me victory;
Enough to know that from my foe
I had no will to flee.
Beaten and bruised and hanned,
Flung like a broken sword,
Grant me this thing, for conquering
Let me die fighting, Lord."

Domestic Economy


Fine sand-paper is as good as a pen
knife for scratching out ink marks. TO PREVENT THE WHITE OF
POACHED FGGS SPREADING.
Put a teaspoonful of vinegar into the
water before beginning to poach the water
eggs.
 The juice or gravy may be prevented
running out of meat or fruit pies by putting a small piece of rolled paper in a
hole in the top of the pie to form a little chimney. This lets the steam out and prevents the juice from rer
and making the dishes sticky.
TO REMOVE STAINS.
Troublesome stains on cotton or linen
fabrics, such as iron-rust, mildew, ink
and stubborn fruit-stains, which have
and haver and stubborn fruit-stains, which have
resisted other methods, disappear in five minutes before the following treatment, Pabric: Soak the stained part for a few minutes in a solution of chloride of
in the proportion of twelve parts of
water to one of lime. Wring out, then water to one of lime. Wring out, then
dip in a solution of oxalic acid of about dip in a solution of oxalic acid of about
the same proportion, and the stains will

## ANOTHER SUGGESTION TO THE

 That most-dreaded duty of mending grain sacks, which always falls to the lotof the farmer's wife, may be reduced to a minimum hy covering one side of the patch with flour-paste. The paste is
made by mixing the flour with cold water. Place the patch with the paste
side downward upon the hole, having first side downward upon the hole, having Iron roni Trow the sacks over and iniout



THE FARMERS ADVOCATE


Baby's Rainbow The lightning flashed, the thunder rolled
Across the dorkening sky
summer starm summer stormening cane skyitly or
Then passed Ile sun shone warm, and bright,
Al nature smiled to meet tris rays,
While hirde White birds sang with delight
Far in the east receding clouds
Were piled, as dark as night.
hen, lo: across the sombre mass
wee, sweet maid of summers three.
Who had watched the storm go by Wo had watched the storm go by,
ow, for the first time in her life,
Saw the rainbow span the sky. Her tiny hands a moment clasped,
While eyes grew wonder bright, hen quickly to her mother ran Exclaiming, with delight :
Oh mamma, dear, come quick and see,
 Has hung it out to dry."
M. CARRIE HAYWARD.

Prize COMPETITION I must congratulate Mrs . Hayward
on her very pretty
verses,
given on her very pretty verses, given
above. She calls herself "a farmer's wife," and 1 am sure many other
farmers' wives will enjoy reading her poetry.
How would you children like to
 Prizes will be given for the best
original poetry written by children order sixteen years of age. Each
und. must be accompanied by the
MS. name, age, and address of the writer,
and should reach me not later than and should reach me not later than
July 15th. Choose any subject you like, and address as usual.
COUSIN DOROTHY Farmer's Advocate" office, winn-
peg, Man, Mor results of our "Em-
Look out for remer Look out for results of our "E
pire Day " competition next week.

## An Imaginary Story.

a day on a canadian farm. the lived with my uncle and aunt in tage on the side of a beautiful river, whose waters were as clear as crys-
tal, and which babbled over its stony bed all day in the warm sun-
shine.
My city friend, with whom I had been corresponding tor the last few months, had beon speaking of how
beuntiful the cunntry must look at beautiful the coun year (which was
that time of the midsummer), and how she wished
papa and manma would permit her papa and mamma would permit her
to spend a few weeks with me in the country. One evening as her father
and mother, her brother Willie and and mother,
herself $w e r e ~ s e a t e d ~ a r o u n d ~ t h e ~ c o z y ~$ herself were seated around dre cong-
fireside in the spacios drawng-
room she ventured to ask permission room, she ventured to ask permission
from her parents to let her spend from her parents to let her spend a
few weeks of her holidays with me, tew weeks of her holidays with lite,
which to her delight, alter a little
coaxing, she was piven permission to coaxing, she was given permission to
do. This was on Friday. So
on Monday It ant a letter tell ing me she would be along the
following month, which would be Rollowing month which would be
July. So on the 5th of July my cousin and I started in the demo-
crat to the station. We got to the
Wher station allout fifteen minutes before the train arrived, so had to
wait for awhile. train pulled in and peopte and among
descend from the cars, and descend was our cousin, Ida Hastings, to see us, and we to see her
drove home. and arrived there just at dusk' tre got out, and went into
greetings we went into the dining room, where a heavily-laden table
was spread with cakes, pies, fruit,
che was spread with cakes, pies, fruit,
cheese, etc., and
it it, our appetites did not forsake us at the sight, for we felt rather
hungry aiter our drive. After tea, hungry aiter our drive. After tea,
Ida and I went into the drawinggames until we were tired out and sleepy, we went to bed. In the
morning, which was a beautiful, fine morning, which was a beautiful, fine
July morning, the birds singing so sweetly and the bees humming, and

## ing atmosphere which the wind

 watted from the surrounding count with. We picked flowers, and waded with bare feet in the river till nearnoon. Then we went back to the meadows to see the younc colt, and irom there to the harvest field to
tell the men to come to dinner. The men had the teains back there with them, so we coaxed them to put us on old Rock's back, and me on Gip's safety, and after watching the men water their horses and feed them, we all went in to dinner. After dinner
we helped Jenny do the dishes, and then we went up to our room to get ready for another ramble through the woods. We picked flowers, chased the birds and squirrels until we
were tired, and then we went home to help Will water the cows, which
Days wore on like this until August
3rd, when our school was to have a picnic, and of course everybody was welcome, so of course Ida went
And oh, the day we did put in that day ! In the morning we helped Auntic and Jenuie bale, and, oh say!
such cakes and pies you never tastsuch cakes and pies you never tasted ! All Sorts, shapes and sizes.
course, everybody for miles around says auntie is the best cook in the
neighborhood neighborhood, and 1 believe she is, o'clock the big democrat was driven up to the door ; basket after basket
was placed in the democrat, and then in climbed Auntie, Uncle, Will, Ida, Jenny and 1. And, oh, the fun we children did have! There was a store on the ground, besides three
swings and a lemonade and ice-cream stand. And, oh, say ! if anýbody ate ice-cream and drank lemonade,
and ate oranges, candies and and ate oranges, candies and
nuts, 'twas Ida and 1 . We got on the swing and sta.... (n and swund feel dizzy, so we got off. It about half-past nine or ten o'cl
when we went home that night, when we went home that night,
it is many years since then, but
do not forget that memorable day
and I don't think. Ida has forgotte
$\qquad$

## Humorous.

Nervous Lady (to aeronaut)-" " It mus
be very dangerous to go up in a bal
loon?
"istinguished Balloonist-
danger in the way you come down from
one."
an office boy to his employer. "Wh
is it?" "The hookkeeper kicked sir. 1 don't want no bookkeeper to
$\qquad$



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 Complexion Purifier


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STAMMERERS




The CENTRAL CANADA . manitoba.

ENOGRAPHY
in answering

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light than any other. Send for catalogue "(") for town lighting and catalogue "K" for the lighting of individual buildings.

ROBT, M, MOORE \& CO., Mativinivese sit

Mar pana-many now your house-cleaning is all over, there "effect " that does not exactly stit you. You go through the icoms wondering what is the matter. They are all beautifully clean, and they
smell so sweet and fresh. You kuow there is no dust anywhere in the you feel glad to know that everything is so nicely ready for the sum-mer-and yet, and yet-you are not
wholly satisfied. You think of someone else's house, which looks more how it is that you can't make things look as well. Women are sometimes heard to say: "Oh, I never can make things look nice; I don't know think that the very fact of your knowing that things do not look just
right. proves that you do know what is artistic, and that you are capable of making them look so, if you will is hopeless save the one who has nothing to learn, in this as in other and deeper things. Sometimes just moving the furniture about a bit,
and getting it into just those positions which are most pleasing to the eye, makes such a difference. Of course, "the men" will laugh at
you for changing. thinge you for changing things, but let
them laugh. After all, where is the man who doesn't admire a cozy is the and who is not secretly proud of the clever little woman who is able to make it your house doesn't suit you and you feel a little disappointed
after all your work of house-cleaning, I would say, "go at it "again Rearrange things until they suit you but you will be better satisfied in the end. Of course you will want a whole "heap " of new things-that goes without say ing-but, well, don' forry about to get them. You will have all Cord to get them. You will have al
the more time for planning and deciding upon what will look pret-
tiest. Last of all-and this brings me to the real point of what I started out to say-look to your pic-
tures, so much depends upon your them, and the light in which they are I remember visiling once at a very Tine house, whose whole appearance
was utterly ruined by the picture that had place on its walls. I recollect the parlors particularly, They
were large rooms, carpeted with the best of Brussels carpet, in a pleasing
green tint: the furniture was pood and well enough chosen. But-and here comes the skeleton, alas, not in a closet-upon the walls were the
tawdriest of so-called oill-paintings. glaring crude affairs that would have rendered any room "common." the light was heet, hung a hideous carbon print of the grave of Lincoln,
Of course this was an Anncrican ,
houso runs high in the United States, as i
well may; yet it did seem like carr ing hero-worship to a fine point, t placed in the most conspicuous part of one's parlor. At first it seemed
inexplicable that such monstrosities should be permitted in rooms other-
wise tasteful: then it suddenly dawned upon one that these were very old pictures (not masterpieces)
which had been in the house so long that the inmates had simply lecome used to them, and so failed to see
their incongruity. After all, it is
 things, and to forget that occasion- you are out of preserves, and don't want
ally it may even be commendable to to bake a dessert try boiling two cups
make a bonfire of things which may of sugar and four cups water into a
kindly mention the FARMER'S ADVOCATE.
have become too passe. And just
here mightn't one philosophize a bit, and say how desirable a thing it is too, sometimes, to get rid of other and fancywork-old notions, old idens about things which should give place to the keener, fresher ripple of thought that glinds ever brighter and no,-for to-day, no philosophy Bu ginning on that strain, one would be tempted to go on and on for ever," like Tennyson's brook, and I believe it is not now considered artistic to have yery many nictures on the walls, although, personally, I am so very fond of good ones, that I could stand a great many of them. Walls papered or painted in soft
shades of solid color, or at least without pronounced patterns in either figure or tint, suit pictures best, olive green, soft gray, dull buff and rich "cigar " being sually to be
depended upon as safe background tints. In the disposal of pictures, these
points should be remembered. Watercolor paintings or delicate prints Should never be placed close to oil
paintings in rich or deep tints. If so, the delicate pictures will appeal faded, and the paintings coarse, by ored pictures should de delicately-colored pictures should be placed in the relegated to a dark corner for the express purpose of brighte ing it up.
Small pictures are often most effect ive when arranged in groups. Heavy gilt frames are not now considered
indispensable, the natural wood being really prettier and more easily kept clean. Family portraits should always be placed in the dining-room, never in pars. Last of all.
themselves, it really seems a pity in these days of good cheap engravings, have a place tawdry ones should ever have never heard of the perry you mols or Brown pictures, I am glad to tell you of them. These firms issue prints of the great masters, at prices each-higher than that, I suppose if you want. All you have to do is to mount them on cardboard of some soft tint (plain wall paper in the frame them as you choose. norrow wood frames are quite pretty, and are not expensive. Many mount these prints, then frame them in passe-partout, by placing glass over
the mounts, then pasting all around the edge the passe-partout binding, which may be got already coated with mucilage for that purpose. at the back and rings are fastened tures. As may be imagined, these passe-partout prints are very inex-
pensive, yet they are seen everywhere in the best houses. Photomay be treated in the same way. "Farmer's Adrocate" office, Wimnipractical hints from annie Dear Dame Durden, and girls of the Ingle Nook, durden, and girls of the wild flowers, and suffer the mortification seeing them shrivel up into mere This spring I am using absorbent cot-
 I should say she'd better " make
hay while the sun shines," Annie
Laurie. No, I shouldn't either -
that isn't the way to manage it at
all. Speaking of old m ma bach-
elor girls, I mean, did you ever read
Tennyson's '. Spinster's Sweet-arts,"
about the spinster who named her
four cats after her four old sweet-
hearts ? It's delightful,-the poem,
I mean. Poor old spinster !-and
still she said:
"Sweet-arts ! thanks to the Lord that
I niver not listen'd to noan!
So I sits in my oan armchair wi' my
oan kettle theere o the hob,
An' Tommy the fust, an' Tommy the
second, an' Steevie, an' Rob."
You see, as one of iny ten-year-old
Sunday SChool boys remarked not
long ago, when I ventured to dispute
him on a point of ethics, "It all de-
pends on the light you look at it
in."


 sutuation wanco, and mwoolenousu aver














EGGS FOR HATCHING
 OHOICE BIRDS FOR BALE



## 30

 OOK-KEEPING


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| The Old Attic Tru By W. D. Nessit. | IP. <br> ale of Aberdeen-An- |
| :---: | :---: |
| Up in the attic where mot | tio at Greggsville, Ill., on May |
|  |  |
|  |  |
| She knels at its slde on the attic boards, |  |
| And tenderly, bofuly, and slo | , |
| She counts all the treasures she fondly |  |
|  |  |
|  | lé |
|  |  |
|  |  |
|  |  |
| She lonks at it now with the girl's de- light That was hers when she ctond ande | $\begin{aligned} & \text { sold } \\ & \text { spe } \\ & \text { sef } \end{aligned}$ |
|  |  |
|  |  |
| Buckles |  |
|  |  |
| One |  |
|  | in that position to Ceremonious Archer. |
| Yes, |  |
|  | hibition last year, and since sold for a |
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| Tears |  |
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| On the |  |
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|  | ${ }_{4}^{e d}$ |
| e Famous Stout Women. |  |
|  | were shipped May 28 th, and range rom |
|  | by noted breeding stallions, quito a num- |
| the great Russian Empress, Catherine |  |
| Empres | Baron's Pride, and from thelr pure-bred pedigrees and individual merits, they |
|  |  |
|  |  |
| een ca | 111 |
| sugh she had a bea | the Repository, Toro |
| head, was unusually stout, and Ceorgo Eliot was unusually large. |  |
| Eliol was unusuall All the women of the Bourbon |  |
| All the women of the Borta | F Jersers |
|  |  |
| ${ }^{\text {a }}$ a eve | Jersey Bulletin re 'T. S. Cooper's sale of imported Jersey cattle on May 30th, |
| was then very graceful. ${ }^{\text {Queen Mar- }}$ (uerite, Dowager of Italy, tried to over- | of imp |
| come her stoutness, but after a severe |  |
| course of Alpine climbing and vinegar | importations; made greatest record cor |
| drinking, had to give up the struggle. Cleopatra, who by her fascination and | the past twenty years. averaged approximately N |
| uty charmed so many of the men of | Belle brought |
| aty charmed so many of the men of |  |
|  |  |
| large. Among them are | Missouri. "Foxes |
| rgia, sometimes called the | s," Further partic |
| most wicked woman in the worid ; Laura, whom Petriarch made famous in his |  |
| e, Queen | T SALE OF TM |
| of Navarre, and Marie de Medici, wife it |  |
| the French King |  |
|  | Climpertaded by Graham Bros,., of Claremiont. |
|  | Ont., should attract buyers from far and near, as there is no greater want felt in |
| any vain regrets. They tak | any line of live stock in Canada to-day |
| and time, and worse than that, sow the | than that of good heavy draft maras |
| seed for a larger crop of the same xind. | for breeding purposes, to produce stock to supply the great demand for dray |
|  | horses, both at home and abroad, which |
| Dealer-" Yes, that | is |
|  | Th |
| , | land, and the judgment of Graham Bros. |
| What's the matter-isn't it | may be trus <br> right sort |
|  | olds and the three-year-olds have been |
|  | served lenving the the very liest sires betoro Scotland adds greatly to their |
| rms | Tho |
| he same abh | for farmers to secure a |
| own upon the |  |
|  |  |
| dropathic hydrorhotia." | es |
| .. och, docther, dear, is it as bad as |  |
|  |  |
|  | and |
|  | horses and mares for farm work |
|  | and for breeding, and there nrospect of the every prigh |
|  |  |
|  |  |
|  |  |

QUESTIONS AND ANSWERS.




$\qquad$ dale mare has itching in the heols, is
tamping with her feet nearly all the time. What is it, and the remedy?
Rosersce

Ans- If you are correct in the location
,t the trouble. would avvise the use of
some of the preparations advertised in pur columns for the destruction of small parasites : A solution of such of a
strength of ten parts of water to orn or
sthe liguid remerty omployed. If the itching ins due to a parasite, you will
kill it, hut if due to the excessivo uso of
heatinc toods would advise foding loess grain and more bran, and give a run at worm in the tail-malnutrition. attle e this spring. Some of them lost
niece of their tails, the real cause peing piece of their tails, the real cause. .heing
nknown to us.
However, supposing it o be the worm in their tails, we poured
some turpentine on the slits we cut on them. We would he very thankfull if you
are kind enoush to adviso what we should Ans. The disease is due to malnutrlbalanced ration. The food fed may not contain nil the nutritive constituents it
should. This disease never appears
Then balanced ration. have two grade Jersey cows, one
calved 0 October, 1902 , end the other, October, 1903, and neither have been in
season since. They are both milking well for the time they have been in milk.
What can season, as I do not wish to beef them?
SUBSCRIBER. Ans, -Place in a small yard or pen
with a vigorous younk bull for a time at intervals. It in thin condition feed
grain. Give to each the following: One teaspoonful of powdered unicorn root
Helonias dioica) three times daily and three time a week kive one ounce of
fluid extract of black haw, and one dram ench of fluid extract of damiana and nux

## Miscellaneous.

AN EXCELLENT ROOFING.-Particil ar attention is directed to the adver-
iscment of the Threshers' Supply Company. Itd., whlch appears on another
nane. Nothing could possibly deseribe the general excellence of Paroid roofing
hetter than the words .. it last, " Thio vell-known roofing material is made with ipon to rive absolute satisfaction. One hat it can he laidid in any kind of
weather or climate and on any kind weather or climate and on any kind of
a roof If you are at all interested in
securiny terial for your buildings, write the com
pany for sample and tooklets, address. ng the firm ns follows: The Threshers
furply (io.. Ital, 120 L.ombard Street

## cossip.

nie at Prairie Home, at which will he



 Windsor Supply Co., WIndsor, Ont. takes to get ready to weave a hand-made fence. strength than the hard steel wire or common soft wiw

THE H. R. LAM QUESTIONS Legal.

No dower in favor of wife -w you kindly inform me in next week':
issue of your " Farmer's Advocate" wife's signature, and what what without his share?
Ans.-There is no dower in towor Wif in the Northwest Territories, and
property, is in the husband's name may sell it and give a deed for it with hold property, however, in her own name over which her husband will have no TRAL MAY BE CLOSED.-There is a road through center of quarter section
made ty neighbor ten or fifteen years go, and used or others to get to
neighbor's place.
there is a publice road can use, but he chooses to use this one road after being told not to, it being seeded ? Can the public travel a road
so many years, without being stopped, road then claim it as such, or can es an
be stoped any time by sign or notice? Can neighbor claim this road
after having used it so long? after having used it so long?
Kenlis, Assa.
SUBSCRIBER. Ans. -No one has a right to travel across IT they do so arter beeng notifed, they
are liable to an action for trespas re liabse to an action for trespass and
damages. The fact of the trail being
Hed for a number of used for a number of years does not
nake it a pullic highway public any right to travel over it . P a fence across
people $s$ attention to the fact that the are not allowed to travel across, ar
they must take the road allowance.

## Miscellaneous.

IMPAIRED MOVEMENT IN HEIFER. Have heifer three years old, which ha
never had a calf. never hrad a carf. Hind legs give down
and trouble seems to be in back; wher
laid down mae ding Caid down has dififculty getting up, and
when walking swings her hind When waking swings her hind leg for Ans.-Failing other symptoms T. H. furthe information in your inguiry,
would assume that this heifer has stifles partially disilocated. Would advise call ing in a veterinarian from
town, and follow his advice. using unregistered stallion. own have. a Percheron stallion for my neighbors to use age same the for which they my
socm to prefer make a charge? and is it lawful for me to Neyshurn, Assa.
Ans - You may use the stallion your hut if you make any charye for his
service, you are liable to prosecution, antess ho is properly registered at the
Territorial Dept. of Agriculture, showing whether pure-hred, Af, cross-bred or grade. We would advise you to have him
registered, hy all means; the charge is
only $\$ 2$ for pure-trols the case of the other two. Would you please let me know in your next issue the amount of acids and milk
to be used in finding the percentage of
butter-fat in in mind Gerber or Babcock tester? 2 . What oook would you recommend on milk and
tis products, also on testing for butterfats?
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$

Last Mountain Valley PRICE, \$9.10 PER ACRE. EASY TERMS.

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cone inily










Nafline Hat:


Uuings mush vultumut inemanaties oin




Nem Hoof and trs cire - havo

work nim whiche hien new hoom tion troung




or hoof ointment, around the top of the
hoof every third day after using the
hister
hours after the his head up for twelve
histering, so that he
Cannot say without a personal inspection
how long it would be before the horse
can he worked if if the hoof is growing
will.
ground. Ke in a month or so on soft
summer.


Slacked lime, 4 lhs. of salt; stir freeruent-
y every day, and let stand intil clon-
sadiment in the clear liquid, leaving the
five ounces each of tom. Then Tulverize sodn
tartar, saltpetre and borax, and one
ounce of allum, and add to 20 gallons ot
the clear lime water.
the clear lime water. Will you please
adivise me if you add 20 gallons of pure
lime water
4. water, made separate to the for fors
gallo in adding soda, borax, etc
If if the latter is only put in the first
p4 gallons of water. It appears that
It
44 gallons of liquid, if put together,
vould not leave much space for the eggs
in an ordinary
Makinak, Man
Ans.-It is intended to mean 20 gal-
ons lime water only to the mixtur


bove recipe, in 8 since pullishing the the
hise of water-
hass as an eggepreservative has
into as an egg-preservative has wame come
ists of inent use. The solution con-

The solution come
waterysass THURSDAY, JUNE 23, 1904, 50 Imported Registered Clydessala Fillies PROPERTY OF GRAHAM BROS., CLAREMONT, ONT.

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Apply for catalogues, which will be ready in a few days, to
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year. The success of our business de
 secure for you, and every, effort will b
put forth to obtain top prices. We have numerous inquiries fron
exporters in the East who wish to pur chase, and it will be to your advantag
Lo send us word what cattle you hav
lodispose of thi ho to dispose of this year. If you have
good cattle arrange ship yarly and
avoid the big rush likely to be this fall

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Highest cash prices. Prompt remittances. Sacks for shipping. These things should get it. Let's hear from you.

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 St. Louis Fair Tickets.No extra charge to go via Chicago, and ten days stop
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 DALE MARES AND FILLIES for sale,
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## IMPORTED CLYDESDALES

have just returned from Scotland with a fine lot of Clydesdalestallions of great breedingandindividuality They are indeed a fine lot and just the kind the counstill, come and see and be convinced of what I say.


${ }_{\text {Tho }}^{\text {ThornclifFe }}$ STOCK FARM has
 stamp. and a number of muperior


ROBERT DAVIES 36 Toronto Streef, TORONTO.

## emember that more money. You should




CLYDESDALES
 AYRSHIRES and POULTRY.


 Ho Mo Baron's Pride, Sir Everitt, ney,
oningers. Ayrshires of both sexes, and
poultry. Imported Clydes \& Shires Shorthorns \& Yorkshires

 Man wivis
 Rophen, Praince Thomas and
Rrite for prices, or come GEO. ISAAC


gUESTIONS AND ANSWERS

## SEROUS ABSCESS ON KNEE.

 Cow has a soft lump, as large as myfist, on the front of her knee. M. S. Ans.-This is a serous abscess, caused
by the cow lying on her knee on hard floors. A plentiful supply of bedding win remove the cause. As it does no harm, treatment is seldom given. Treat lancing the abscess and allowing the serum to escape, and injecting the cavity
twice daily until healed with a three per-cent. solution of carbolic acid. A well-bedded ho
bronchocele.
When born, my foal had a lump the size of a small hen's egg on each side of
its throat, close to the jaw. The lumps seem hard, but are movahle. Ans.-These are enlarged thyroid
glands. The condition is called bronchocele, or goitre. In footal life, these glands are large, and in some cases they do not become reduced in size for some time after birth. It is seldom they in
terefere with the colt's thriftiness, and they gradually become reduced in size.
Reduction can be hastened by the daily Reduction can be hastened by the daily
partial dislocation of patella Yearling colt went wrong two weeks
The stifle bone slips in and out ago. The stife bone shaps T. H. Ans.-The patella or stifle bone be
comes partially dislocated. Blister the front and inside of the joint with one mercury and cantharides, mixed with two ounces vaseline. Clip the hair off ; tie
so that he cannot bite the parts ; rub so that he cannot bite the parts; rub
the blister well in. In twenty-four hours rub well again, and in twenty-four hours
longer wash off, and apply sweet oil. Let him loose in a nice box stall now, and oil every day. When the scale has all
fallen off, tie up, and blister again, and fallen of, tie up, and once every month afterwards as long as necessary. He should be kept as quiet as possible in the stall for months. If you attend to him fect cure, and, at all events, render him a useful animal ; but if not properly atbe of much use.

## ABSCESSES.

all right, except one hind leg was
crooked. crooked. At about ten days, this leg
swelled at the hock, and the swelling extended to and involved the mammary
gland. It broke, and discharged pus in gland. It broke, and discharged pus in
different
places.
There is still a disdifferent places. There is still a dis-
charge at the hock ; but in the region charge at the hock ; but in the region hut there is a hard lump about the size
of a kidney.
T. P. Ans.-The original swelling resulted
from a bruise received in some way, pus formed, became absurbed and involved the rest of the limb. Bathe with warm
water; inject a little of a four-per-cent. colution of carlolic acid into the cava
ties that are discharging pus until healed. If, when the foal is weaned,
there is still a thickening of the parts, the lump mentioned may suppurate, burst, run pus, and disappear; if not,
it will have to be dissected out in the
fall. Miscellaneous.
honey matractor.
Ans.-Write Goold, Shapley \& ${ }^{\text {L. }}$ Muir Brantford, Ont
hat a man is deaf till something sudden makes us apprehend it. I think of The strange oht pentlemane, Who, when
$\qquad$
$\qquad$
$\qquad$

THE FARMERS ADVOCA'TE

## free to wen unfil curid

The effect of Electricity upon the weak, debilitated man is the same as rain upon the parched field in summer. He may be debilitated from varicocele, losses, impotency . may have confusion of ideas; fear o act and decide; gloomy forebodings, timid and fretful; avoid friends and company; without ronfidence in himself to face the slightest responsibility, and let him properly apply Electricity for but a few hours and all these symp toms vanish. A few weeks to a couple of months' use of this treatment banish them forever, and make strong, confident, manly men out of the puniest weaklings. For nearly forty years I have treated and restored weak men through my world-famed invention, and am still doing so with greater success than ever. In fact, I do not expect to fail in any case of this kind, and therefore, as most men are more or less sceptical, I will continue to give my Herculex

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Belt Free Until Cured.

Not one cent is to be paid me in advance or on deposit. Call or write and get the belt, and use, say, for sixty days, and if
cured pay me price of belt only-most DR. C. F. SANDEN,

ses low as $\$ 4$; if not cured re turn the belt and the deal is ended But I know what the belt will do, and will take the risk of my pay when you are cured. I also give my belts on same terms in Rheu matism, Lame Back, Stomach, Kidney and Liver Complaints, etc.
As the originator and founde of the electric belt system of treat ment, my-forty years' success the envy of many, and my belts of course are imitated. (What good hing is not?) But my great knowledge to advise and direct my patients is mine alone, and free to all who use my belt until cure is complete.
What would you not give to have your old vim back again What would you not sacrifice to feel as you did a few years ago to have the same snap and energy; the same gladsome, joyous, light-hearted spirit and the physical strength you used to have You know you are not the same man, and you know you would like to be. You might as well be. It's easy. I am making men out of wrecks every day, and the above offer must convince you what I feel I can do for you.
Call or send to-day for my belt; or, if you want to look further into the matter, I have the best two little books ever written upon Electricity and its medical uses, and send them free, sealed, upon request.


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## A Live-stock Market ${ }_{\text {GROVE }}^{\text {Hickory }}$ Herefords at Calgary. <br> <br>  <br> <br>  Scales to veiph from one to twenty animale oifor buidityo. hotal acoommoation and  Live stock handied on commisslon.  

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${ }^{\text {I lead }}$ Young Bulls and
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none more reliable, predicts violent storms and mor than the average damage to growing crops from Hail this summer. The prudent grain-grower will protect himself by insurance, thereby avoidin

The Central Canada Insurance Co.
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prompt and full payment of losses from Hail. Keep this fact and the name of the Company in mind when asked to buy insurance just as good. There is
no ot her as good. Get the best value for your money. We are in a class by ourselves, and solicit patronage on for meeting all our obligations promp

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Many farmers do not like to engage extensively in raising hogs because of a dread of hog cholera. They know of no way to combat the disease and are familiar with the disastrous effects its ravages when it once appears in a drove or hogs. If you use it constantly it insures the lives of your hogs. It positively

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 Cures mange, itch and all parasitic skin diseases, kills lice andkeeps all stock in good health. The only absolutely guaranteed remedy on the market. Used with the greatest success by leading stockmen and breeders for ten years.
Shipped in concentrated form. Prepared for use by adding water. Sold by dealers everywhere in sealed, trade-marked cans. 1 gal., $\$ 1.50 ; 5$ gals., $\$ 6.75 ; 10$ gal., $\$ 12.50$. Send for free

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 Bowness Pure-bred Stock Farm. STOCK bulls at head of herd MERRY OHAMPION (Imp.) 81116 , bred
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ROYAL EIOWARD $=4697 \%=$ a Princess RUYAL EDWARD $=46937=$ a P Princess
Royal, ire Merry Man (ilmp,... Royal EWWard
is a prizewinner, and also has proved himbelf SITTYTON HFRO 15th $=38861$ - bred y the late J. I. Davidson, Ontario. Sire, Sittr-
Hero. dam 40 h Duchess of Gloster, by Hospodas (1mp).
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Cruickshank-bred bull, Spartan Chied. 25 HEAD $\begin{gathered}\text { of cows and heifers } \\ \text { at reasonable prices. }\end{gathered}$ For Sale WM. BERESFORD, Calgary, Alta.
$\underset{\substack{\text { sinctoun } \\ \text { siok frum } \\ \text { Shorthorns }}}{ }$ FIRET-PRIZE AND DIPLOMA SHORTHORN HERD
AT REGINA. ITTTYTON HERO TTH AND BANER BEARER at had of herd. Siltyton Hero 7 th


 THE RANCHE STOCK FARM SHORTHONUS=2 $=$
 SCOTTISH SHORTHORNS.

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-burns coal, coke or wood with equal facility.
Flues, grates, fire-pot and feed-doors, are specially constructed to burn any kind of fuel, and a special wood grate is always supplied.

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Varicocele $\}_{\text {Curaed to Stoy }}$
 VARICOGELE Undermy trantment this in inidion sidiseaser rappio Haknico




Gormespondence Confidential

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## accounts for this immunity.

Young men. do you ever pause to
rect that the future of the country de
rends to a great. extent upon you and
that the value of your ultimato infuen
will be in accordance with the foundamethod in habit. Remember while the craze for sport possesses you that you may to the champion catcher or pitcher
of your country now, but that the generations in sporting life are short, and in
five years your fame will be forgoten,
See that See that the mind is nourished during
these years, or it will become so far atrophied it will lose its keenness.
lnowledge is power, and the mind the is not well stored and well e eercrised
handicaps a young man in the race of life. But it handicaps him too as a
citizen. We are all proud of the Emm-
vire



T0

## BURDOCK

 BLOOD BITTERS.As a spring medicine it has no equal.
It purifies and enriches the blood. Acts on the Kidneys, Liver Stomach and Bowels. . Cleanses and invigorates the entire system from the crowif of the head to the soles of the feet.
Don't be sick, weak, tired, worn and weary.

THIS SPRING
take
Burdock Blood Biiters
AND KEEP WELL.
 Cows of true soottiah type. A good
prize-ring reoord made by the herd. $\underset{\mathrm{m}}{\boldsymbol{G E O R G E}} \underset{\text { Five }}{\text { LITtLE, }}$ miles from town, Man FOREST HOME FARM
 CLYOESDALES, SHORTHORNS, Yorkshires and B. P. Rocks.


 Carman and Roland Stations.
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m ANDREW GRAHAM, Prop.


 Hawthorn Herd $\begin{gathered}\text { of debpmilining } \\ \text { shorthorns. }\end{gathered}$ For SALE: Five yphy, buils, aleo a fow
females, by scotech siree. Good ones.
om Wm. Grainger \& Son, Londeshoro, Ont. SHORTHORNS for Sale IMPORTED AND
Cows, Heiterr and young bulls, FMEAEA quility
 JOHN DRYDEN \& SON CRUICKSHAN
SHORTHORNS SHROPSHIRE SHEEP.
silendid bunch of show a selection from a


An old bachelor, who was very bald,
fell in love with a pretty widow, whose late husband's name was Robin. One evening the bachelor dropped in to have
a cup of tea with the widow. After tea a cup of tea with the widow. Atter tea
was over she commenced to sing " Robin Adair." The bachelor picked up his hat. did have hair, it's no fault of mine that
I haven't." Then he fed.
Kan.
staf, who found the proprietor, Wm Martin, Winnipeg, actively engaged in
superintending some of the farm tions and the noted herd of Galloway
cattle. ${ }^{\text {Mr. Martin holds the Highland }}$ Society's diploma in agriculture, and was
a prizeman when attending noricultural lectures in Edinburgh University, hence his familiarity with agriculture, the farming is carried on extensively at the Hope Farm, in additlon to keeping up a
herd of high-class Galloways; a five year rotation (two crops of wheat, one coarse
grains $\begin{aligned} & \text { and } \\ & \text { seeding down to to grass, }\end{aligned}$ timothy and brome, which is left two
years) is followed. The soil packer is used extensively, both spring and fall,
ueing made to follow the plows thus saving harrowing before the seeder in
springtime. Brome grass will be used in springtime. Rrome grass
the laying down of a permanent pasture.
In then In the yards and pad blackskins whose coats make such grand robes for winter The male duties of the herd are at-
tended to by a trio of grand bulls: Eustace, Mendee to by a trio or grand bullss: Eustace,
McKenzie of Lochenkit, and Grand
 fellow, with thick-covered 1 Ioin and full
deop buttocks, ond the attroctive, macul line head of a sire. McKenzie of fairly good in his fore-end, gaining in in depth what he lacks through the forerib,
and has the lengthy, well-flled hind quarters inseparabid from an beof isre of
the right type. Grand Master lives up the right type. Grand Master lives up
to the name, is hocky in character, with smooth shoulders. grand miadepiece, and
lengthy hind quarters, and, althoumh only
tuo wean- old
has in his present dea twoyear-old, has in his present de de
velopment shown that should make intending rivals hesitate be-
fore trying conclusions with him in the show-ring.
Inclucted
Tncluced in the harem is a bevy of
matrons possessing qualities which would
render them render them a credit to any breed aim-
ing the the targee of perfection in
beef types of cattlo.
The trio consist-
 12th, second to Ellla at the Windy City
Show, a position which we should reverse had we the awarding of the rib-
bons, and Makgie of Kilquahanity, ${ }_{a}$ second at the International. Ella is not
a large cow, llut is one of the kind with
n wrent doel a great deal contained in a neat package,
with plenty of depth, and a barrel of
ample
aroportions, both for feeding and
 criterion to go sv. Lady Stanley 12 th
is a lengthy, level, smooth conve with top and underline rarely equalled, an ex-
ransive bosom and wido chest indicative of that constitution for which the breed
is noted, $a$ heavy-feshed forerib, and thick-covered loin, which would delight
tho befeating, epicure, and with loaded
hind quarters that, barrink a littlo elevaheef hreeder to follow. It is doubtrul
whether she could le beaten in the West hy a female of any breed, if an inter-
breed swerpstakes were onfered.
$A$
 femininity, would attract attention in any
company. $\begin{aligned} & \text { A milky-looking, home-bred }\end{aligned}$
$\qquad$
J. C. BARRON, Carberry, Man.
ADVERTISE IN THE FARMER'S ADYOCATE,

Father and Daughter

## Were Great Sufferers from Kid-

 Dr. Chase's Kidney-Liver Pills.
merits of Dr. Chase's Kidney-Liver Pills la not wonder at their immense popuIn thousands of cases they have cured
where physicians and ordinary medicines have failed. This is the test by which Here is a letter we have just received
irom Prince IDdvand Island Miss Kate Doyle, lot 1, post office, P my father was seized with a severe form of Kidney disease, which caused him
much suffering, as well as anxiety lest the ailment should become chronic or prove
fatal. We immediately obtained Dr. Chase's Kidney-Liver Pills and he began the symptoms gradually disappearing, until he became quite well again. Since house for use in the case of sickness of "For some time I suffered from pains ing ills, and though I was treated by a obtain no lasting benefit until which seemed to be exactly suited to my arment. Father and I are greatly
pleased with the excellent medicine and Dr. Chase's Kidney-Tiver Pills, one pill a dose, 25 cents a box, at all dealers, of protect you against imitations, the por the famous reoipe-book author, are on

Sunnyside
stoolk
rarm. JAMES G|BB, $\begin{gathered}\text { Broolksdale } \\ \text { Ontario. }\end{gathered}$ Breeder of high-class 8HORTHORN OAT
TLim (imp.) "Brave Y than" at head of herd
Stock for sale. MAPLE LODEE STOCK FARM, 1854 Shorthorn Buillsand Heifers -ueicesters.
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