## PAGES

MISSING

# DOMINION OF CANADA <br> INDUSTRIAL EXHIBITION July 25th to Aug. 6th, 1904. 

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Write at once to the Circu－ lation Department，Farmer＇s Advocate，Winnipeg．

Every 1 E®BuCl
should keep his RECEIPTS，LETTERS and DOCUMENTS in order．

## ［IEIIE <br> F＂I工耳

will do it．
75 OEITHN．
RICHARSSON \＆BISHOP，

cossip． Archbishop of Rupert＇s Land，though not driving with a clergyman in Manitoba， whose diction is by no means as good as
we trust his views are．On reaching their destination，the clergyman asked His Grace to hold the refns while he got the
＂alter＂out of the back of the carriage．
 Machray．＂on ！on Your Grace，＂was
the reply．＂I didn＇t mean the haltar for the church．I meant the＇alter for
the＇oss．＂Truly the English language the＇oss．＂Truly the English
＂as she is spoke＂．is a mystery

A rather dignified young woman entered a forist＇s shop on Madison avenue．A
hrill voice，resembling that of an old shrill voice，resembing that of an od
woman，greeted her with： ＂Shut the door ！Don＇t you know
it＇s cold？＂ Much embarrassed，she looked about for the speaker，saying：＂．Excuse me，but
the wind blew so hard I could scarcely close the door．
Then，to her
Then，to her great astonishment，she
ound she had been conversing with ound she had been conversing with a
parrot．Angered at the bird for de－ ceiving her so，she turned her back to
the cage and was intent upon examining the cage and was intent upon examining
some flowers．Suddenly the same voice， r．what seemed to be，said to he
．．What can I do for you，miss ＂If you hold your tongue I shall be gratified above all things，＂replied the
young woman，turning around as she spoke，
wife．＂

THERE＇S AYE A SOMETHING
Ye think the warld＇s turned upside dour An＇scunner at yer ain auld toun，
But gin ye tramp the country roun There＇s aye a something．
There＇s ifs an＇buts when ane wad read That sting like some ill－natured wee That dreaded something．
Ye strive an＇plan an＇lie awake， An＇think nae harm can overtake ；
Next morn＇ye find oot yer mistake， Next morn ye find oot yer mistake，
There＇s aye a something． Ye meditate an wonder why
IIk pot $o^{\text {o }}$ ointment hes its fly If in the happy by an＇by
It
There＇s aye a thorn wi＇every rose $\mathrm{An}^{\prime}$ ，nee er a chiel but sadly brows There＇s aye a something．
Sae dinna fash yer heid，ye fool，
But tak a seat in wisdom＇s But tak a seat in wisdom＇s school，
An＇learn this guid auld－fashioned rule， There＇s aye a something．

## Be weel content wi＇what ye hae， $\mathrm{An}^{\prime}$ dinna look sae sad an＇wae

 An＇dinna look sae sad an＇wae；Dae what ye like，gang whaur ye may，
There＇s aye a something
$\qquad$ During the reign of Emperor Napoleon
I．，at a dinner in Paris，the conversa－
tion turned upon the Emperor and his
Con tion turned upon the Emperor and his
Government．
One of the company
re－ marked that he was a great many b
was too fond of war．When the part
hrekt broke up a gentleman who was presen
requested to speak in private to the person，＂who had Rade the private to the
＂Sir，＂said he＂I I Sir，＂said he，＂I am sorry for it，but
must request you to go with me to
the police，＂，why ？＂ the police．＂＂＂Why ？＂Baid the other
in the greatest apparent alarm，＂other in the greatest apparent alarm，＂I have
said nothing against the Fmperor but Said nothing against the Fmperor but
what everyone must acknowledge－that he is too fond of war．There can he no
harm in that．＂＂With that ${ }^{\text {I }}$ have nothing to do．＂You must go with mee
to the police．＂ to the police．＂The other now began to
show the strongest symptoms of fear ；he entreated the police agent in the most
pathetic language to have compassion on him．The other，however，stood un－ denly the man rose from his knees and burst into a laugh，to the utter aston－ ishment of the informer
you have caucht you have caught me，
a spy of the police，

Do Not Wait for Sickness． Do not wait until your good health is impaired，but take step member that ailments，apparently trifling，may very soon develo into serious diseases．

## BEECHAM＇S PILLS

on the first appearance of any dis tressing symptoms．They will do more to establish and maintain means youl can employ For a
Sluggish Liver， Sick－Headache， Indigestion， Loss of Appetite， Constipation，
and the depressing nervous con－ atrouns es there is no more nities remedy than

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Helens，England． old every where in Canada and U．S．
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by correspondenees．Ten weekly
hessons wil make son pertrect． obtain higher salary． Shorthand is nowadays indi－pensable
So everybody
Utilize
giare time Very noderate fee．We procure
positions．Write for free booklet．

Central Correspondence College， $\underset{\text { Temple Avenve，Condon．}}{215 \text { Templen }}$
＂Do You Know a Snap？＂

Must sell before July 15th：All Section 19－7－29，w．1st，and w．\＆ ANTLER，ASSA．Fine，open， rolling prairie，$\$ 8.00$ per acre．
If you are interested write for terms and full particulars to
＂SNAP，＂P． 0 Box 81，BRANDON，MAN．


## Portable Engines

We have on hand two 14-horse-power Portable Engines that have been in use about
two weekg. $\begin{aligned} & \text { esold } \\ & \text { and we those engines to run a }\end{aligned}$ zi-inch separator and with self-feeder,





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WINNIPEG AND PORT ARTHUR
Through First-class Sleepers Dining Car Service
 and Candan Pacipcic all-rail rou


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in this
was with onal
and


Branches in the Canallian Northwest













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butter you made from your cream during last
Crescent Creamery Có.,Winnipeg
nd see what they can do for yof.

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Have your grain handled by a com mission firm for best results. CENT PER BUSHEL ON CAR LOTS $\frac{1}{2}$ C ON 5,000 BUSHELS OR UPWARDS te FOR BUYING AND SELLING FUTURES GET OUR QUOTATIONS. SSION COMPANY, Limited, MANITOBA COMIMISSION COMPANY,

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Foster's wather forecasts, than which there is han the average damage to growing crops more Haik this summer. The prudent grain-grower wil protect himself by insurance, thereby avoiding anxiety and probably many regrets.

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branoon, manitoba,
is the only company doing business in the Canadian rompt and full payment of loses from hath this fact and the name of the Company in mind when asked to buy insurance just as good. There is no other as good. Get the best value for your money. ur reoord for mecting all our oblization or

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President. Secy. and Mgr

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Yellowstone Park Line.
st. Louls WORLD'S FAIR

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## Now That Seeding is Over

 You can get away for a week or two to take a trip through the
## LAST MOUNTAIN VALLEY

The most fertile district PRICE,
in Canada.
Railroad now being constructed.

Go and see for yourself.

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EASY TERMS
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MADE OF THE BEST MANILLA HEMP grown in the Philippine Islands. The ROYAL STANDARD is made of the best Sisal grown in Mexico and specially selected for us by the growers. Made on the latest machinery and in the most improved manner. Come and see it made in Peterborough, the Electric City of Canada.

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Try it once and be convinced that Canadian Twine is the Best in the World-that is when it is made by the CANADIAN CORDAGE \& MANUFACTURING CO., Limited, of PETERBOROUGH, ONT., CANADA

> Ask your DEALER for ROYAI BRAND, and SEE THAT YOU GET IT, as

ROYAL BRAND TWINE is the BEST BINDER TWINE MADE.


## Editorial.

## The Mounted Cadet.

in year past has been the musies the Brandon Fuil evolutions of the N.-W. M. P., and this vear the Oak Lahe Mounted Cadets are also to be at the Wheat City's annual farmers' carnival. We are sre ia'ly glad to note that the young voluntee body of young men has been started in the West. we are no advocates of militarism, but believe her citizen soldiers-the volunteers nation lies in ada is esperially the place for mounted volunteers, and we think that as many joung farmers as possible should join a mounted volunteer corps and go out to camp annually, at no expense to he farmer's son, as the Government pays him for han to be better set-up, the discipline will have a good effect, and, as a result of the training to e had, he should be a better horseman.
In the agi icultural State-aided colleges south o the internati. nal boundary, every student is obliged
to wear a military uniform the first half (two of his coulse, and take the drill prescribed, under the tuition of a regular army officer . Fach tudent can continue in the colloge corns his four years if he wishes. At these colleges the army plan is followed, a
Far too few farmers and their sons are good equestrians, and if the mounted cadet idea is exender throughout the West, it will not be long froved. A fair or exhibition that can interest the young people is pretty close to the ideal, and the movement started by Brandon can be followed with profit by others. We might sugeest fuller attention being given to athletic competitions, running and jumping, etc., at the fairs

## Better Roads Advocated.

Roadmaling at the present time is a very ine portant question in the West, and especiully in the Teritories. There are many places where colonization roads should be made by the Government and by the C. P. R., or jointly. Good roads add greatly to land values, and the land is quite capable of standing the cost.
The land carries taxes for other: purposes, and there is no doubt but that the additional advantages directly traceable to good roads would fully warrant the cost of their making and ruainCen nnce, the same to be shourdered upon the tenc-
fited area of land in the form of taxes. Next to railroads, serviceable public highways develop a country. Many districts are unsettled to-day ior no other reason than lack of roads.
Produce must be marketed at a profit to the ducer before any country can lie built up, and ine of the surest ways of increasing the profit in new districts is by facilitating translortation. We tion, yet there are other methonds less complate which are causing the land-workers of this com-
try great loss and trouble. Good land is practically valueless if not connected with reasonably fair roads.
near a good road if a tenth of it is slough, than road. Frequently, very inferior land is settled wear good roads in preference to much better land not so favored. The need of improvement along this line is exceedingly great, and no one can say that the prosperity of this country does not warant immediate, far-reaching measures on the part iurigate so as to make their land more salable and the e is not the slightest doubt but if ex tensive property owners adopted wiso roadmaking measures their sale returns would simply

The Practical at the Agricultural College One of the things that has impressed the valu of an ag icullural college education upon the update farmer is the tendency of those colleges to be more practical in their teachings than heretofore, the latest field of work engaged in by the colleges being the study of farm mechanics.
Farm mechanics as studied in the differen agricultural colleges, such as illinois, Iowa Minnesota, and others of the West, has to do with the mechanical principles as applied to agricultural pursuits. The different studies might be las itied as follows

1. Field Mechanics-A study of all the agrient tural machines used in field work.
2. Power Machines-A study of windmills, feed glinders, gasolive engines, traction engines,
3. Farm Irainage-A study of leveling, drain
age systems and their proper construction.
4. Farm Buildings and Fences- $A$ study of the
 and estimating the material needed in their con struction.
Mental gymnastics are all right, and are tioubtless meeded by the recruits in the arts and Jivinity位ses, but he roung man from the farm, with the foundation of a good general education, has no time to waste tm order to show that he has bren to collcge. Life is real with him, and his accas of culture difier probably from many of those who spend their lives immared by colloge wans, and who would monopolize the right to teach all sorts and conditions of men. To the advocates of courses in chemistry to be given to agricultural college students by the University, we commend the following, by an authority: "The hemincal analysis of soils usually aims at deter precent in total amount of the various matters in strong hydrochloric acid: it does not, therefertility." Tniversity people are afraid, howerer, that such utilitarian ideas are wrong, and to train students. Culture accorodine to some Theope, is ollained by a stuly of the classics who conld not ratn their dails bead, and a col sperll worls of five letters cont men unable to ordinary letter-writing has fipcipes of business of sionary work to do at home, without sockins sionary Work to do at home, without seekine fo
work in the field

Pointer for the Dominion Department of Agriculture

## Ahwest Territorics, and the upper mainland of

 British Columbia, is the want of ewimenta farms or stations. In the 'Territories, as people living there know, the experimental farm at Indian Head is located at the eastern portion the N.-W. T., hundreds of miles from the vast arable area in Alberta, where difierent climatic conditions are experienced, and although th work is in capable hands at Indian Head, we do not think the superintendent there would claim that the results of his experiments are capable of being tuade use of as fully as is desirable in th Alberta section of the Territories. The " Farm er s Advocate, recognizing the need for another apain reforth the thes, has lime and the case of Nleerto of the upper country of 13 . C although in the latter case, a less extensive establishment do. Any person who has travelled the Cons Province, and who the its agriculture, will know that the variotios of fruit suited to the Okanagan are different to those on the lower mainland the former district the climate is dry and irrigatian is depended upon largely; in the latter, the precipitation is quite heavy, and as the Coast Province is destined, we believe, to be the locality in which in the immediate future, the fruit required by Western Canada will be largely grown, it is no more than justice that the Dominion Department of Agriculture should establish an experimental station for he upper country of $\mathrm{B} . \mathrm{C}$. at an early date. Some ycars ago, the cry arose that there was need for another experimental farm in hanitoba. The ggricmerral concge farm wil meet that neca. In winnesota, sulp-stations have ent the Ca tarms the Canadian west, three experimental farms are omy hat enough. The others that The name would not mesomily fieet heations of the work dono necessurily affect the quarty ion in the districts mentionad and s investing its all, in time, moncy and work warrants the establishment by the Government of wo or three branch experimental farms without delay. The Minister of Agriculture would do well to give this important and urgent matter his eople's elected representativec overlook this great reed, it is no excuse for the Depnitment which is surposed to got its information as to the iable sources than the politiclans and more re
## Develop the Egg Business

[^0]The F'armer's Advocate
and Home Magazine
זHE LEADING AGRICULTURAL JOURNAL in MANITOBA


## Forses.



## iness, stamina and beauty of form. The Goy

 ernment established in 1831, the Derby and $S$Leger taces, which are troted over from two
three and thiee-quarter miles on the tuif. three and three-quarter miles on the tulf. To
prevent sactifice of size for speed, a law has been enacted excluding from races all horses under 15 olds lequires all animals to be trotted under tho saddle on the sod track, carrying not less that 120 pounds, and the distance is two miles. The . Leger for three-year-olds includes a distan 1891, of the 312 thotters in the official yea book, there were 112 that trotted this distance in 2.45 per mile; 62 of them under 2.40, ande
101 of these were three-year-olds. The best time 101 of these were three-year-olds. The
made by three-year-olds was that of Parrenche, the two and a half miles being trotted at the rate of $2.37 \frac{1}{2}$ per mile. The best time mate per mil by limpetuese. The course was 200 yards shoit olds was three and one-eighth miles at the rate fastest three and three-fourths miles was made by
Hemine, at the rate of $2.3511-15$ per mile, carry Hemine, at the rate of $2.3511-15$ per mile, carry-
ing 176 pounds. Sans Vergogne, winner of the ing 176 pounds. french trotting Leger, as a three-year-old, trotted two and one-half miles in fistances vary i.g from two to two and one-half miles, carrying
a weight of 120 to 175 pounds. a weight of 120 to 175 pounds. for breeding
Uility.-They are best suited tylish and handsome carriage and coach horse;
with very graceful and moderately fast action. with very graceful and moderately legree of cer-
To produce such horses with any dinch
tainty from French Coach sires the mares must possess, to a liberal degree,

## Congenital Scrotal Hernia in Colts

## ongenital scrotal hernia is quite a common

 d, fortunately, not often a serious condition inthe abdominal cavity, or, more correctly speaking, on the foor of the pelvic carings, one on either side, passing through the tissues that form the floor. The superior inguinal ring ; the inferior, the external inguinal ring, and the cavity between the two is called the inguinal canal. In the female, the mammary vessels pass through these canals to reach thes
mammæ, and in the male the testicles pass through to reach the scrotum, and the spermatic cords in the entire animal continue to occupy animal is castrated, when, in most cases, they become partially obliterated, and while scrota it is not often seen except in stallions. However, it is of the congenital form we wish to speak
at present. It is not at all uncommon for this form of hernia to exist at birth, or appear withthan normal; usually only one side contains intestine, but in some cases both. If the tumor be not very large, there is no occasion for alarm. It wil oe noticed, if the colt be held upon his back, tha to the pelvic cavity, but in most cases quickly
returns to the scrotal sac when he regains his reet. It does not interfere with the health of the be noticed to vary in size. This is accounted fo time. As in umbilical hernia, the mesenter longer suspends this intestine is proportionatery in the foal than in the animal a few months or even a few weeks old, and as age advances it gradually contracts, and thereby
draws the hernia up into the abdomen, and a spontaneous cure results. In most cases, this cure results by the time the foal is weaned, but in rare cases not until a year or a year and or liniments should not be resorted to, as the anatomy of the parts is such that they can do no
good, and if persisted in do harm, by causing irritation. Extraneous interference is seldon called for. Nature shoull be acced in affecting cure. However, there are cases in which treat ment is necessary. All cases should be carefully even though if the tumor is not becoming larger smaller, or even to be less noticeable at times leave it alone, but if a gradual or sudden increase
in volume be noticed, which will interfere with the little animal's action, causing him to walk with a
straddling gait, which becomes more marked, more or less quickly, according to the rapidity with
$\qquad$ be procured without delay, as an operation i necessary. The patient must be placed upon hi,
back and held there, the scrotum and surrounding. parts thoroughly washed with a disinfectant
as a 5 -per-cent. solution of carbolic acid, the hands
of the operator and assistant ulso, instruments also disinfected. Then the scrotum is carefully cut eturned through the canal into the abdominal removed (and, of course, its fellow also), and a Cam, enclosing the abdominal coverings, along with the spermatic cord, applied, the anmal al lowed to rise, and he in some cases the testicle has not yet descended and cannot be found. Where this condition exists, after the intestine has been re turned, the edges of the external ring must be sutures, which will become absorbed, and in the meantime the opening will become so contracted that a reoure although the testicle will, in most cases, descenc in the scrotum. This, of course, is an opera an expert, twhere the services of such can ", "W

## Stock.

| Spaying Heifers. |
| :---: |
| This operation is done for various purposes, eithe |

$\qquad$
$\qquad$
$\qquad$
method. Lay operators usually prefer methods (a) an
in the hollow, fust at the spot midivay between the
last rib, point of the hip and edge of the loin, on the
left side. An incision of the skin is first made, it
having been drawn taut and to one side, then througl
the muscles of the parts and the lining (peritoneum
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
its feet. Dr. Reynolds described a method he favore
her lyed on the range. Ife thin a hail
pulley and ropes raised her hind legs about a foot of
two from the ground, thus throwing the intestines for
enough to admit the hand is An incision just large
line of the belly, just forward of the udder, and the
round being scmio up in a strong fidale striuge the
great thing is to have the heifers to be operated upon
in healthy condition, and rather empty of food, and
(such as coal-tar dips), in which to put his knives and
other instruments and his hands at frequent intervals.
Further information can be got from the bookt
postpaid). The vaginal methiod is usually loft ( $\$ 1.50$
Weighing of Live Stock for Sale at
Stock-yards
Winnipeg, is not in Toronto, Kansas City, Chicaro, of
the yards on the railroads is weished coming inte
loaded side the chutes; the train is pulled in, un-
this is the weight that the shipper pays for on his
the
After being unloaded the stock is delivered io the
over to the yards, fed and watered, and then sold as
soon as possille, and weighed up over the stock-yard
As far as we can see there is no reason why our
sellers of live stock for butcher or export
tockmen at other points where stock are marketed,
reefers' associations. etc., can well affiord to take up
Further Testimony Unnecessary
and hefle which I regret having omitted

Registration of Pure-breds in Canada.
has supplied us with some lite Mr. Henry Wade sued by the following breed associations, dales, Shires, Shorthorns, Herefords and Ayrshires, and which gives some information as to the fees
from memberships, cost of registration, and the regulations as to admissions to the various herd-Shorthorns.-The application entry blanks call month and year of birth, and who the breeder is, or was, together with the names of the owners, if a transfer has been made. There is also a bull, with date and vear owner of the service tom of the entry form a declaration also the botbe made. A new by-law is that all animals shall of hirth be registered within twenty-four months is only or a penalcy fee is charged. The penalty cents to non-members. The eighteenth, and fifty ort says: "All the pedigrees received have to ne chequed, then posted. Fernales are not numbered until each volume is completed. The
pedigrees of the bulls are printed numerically in the order they are received, and those of the females under the names of the owners, and both o other pedigrees in the same volume, making it a complete record in itself, as pedigrees can be The following clauses are of importance to all, Shorthorn breeders in
Territories especially, should be particularly the ful to have the pedigrees of animals purchased in book before they come into this Domimion Herdof the pedigrees in the American Herdbook are not eligible for record in our book, as they do not
trace in all their crosses to imported cows. Special attention is called to this matter, as a
number of cattle have been brought across the number of catte have been brought across the
line during the last two years, whose pedi-
grees had to be nejected for the above reason. females Many of the breeders write to know why females are not numbered the same as males, and
often return certificates to have them numbered. The explanation is simple. Pedigrees of females are all printed alphabetically under their owners'
names, which are also in the herdbook. If breednames, which are also in the herdbook. If breed-
ers sent in their registrations at different times during the year the numbers of their cows would - hence, we cannot number them consecutively until the volume is completed."
The Association has registered a large number of cattle since its inception, and is in a flourishing condition, having a cash balance at the enc
of 1903 of $\$ 5,513.00$. All communications shoulc The requirements for registration of Short-
hoins in the Dominion Shorthorn Herdbook are hol ns in th
as follows
No animal shall be admitted to registry in the
Dominion Shorthorn Herdbook excent whose pedigrees trace in all their crosses to im-
ported cows registered in the English Herdbook. Registration in the English Herdbook: of stock
imported previous to 1865 will not be required imported previous to 1865 will not be required.
No recorded animals in the English Herdbook that have not ancestors on record or eligible for
record previous to Vol. XXI. will be admitted. Those imported since 1846 must trace to ancestry connected with keeping proner records prior to ancestry has been imported.
By English Herdbook Coates' Herdbook is meant, in which the British Shorthorn breeders The following reference is, we suppose, to ani-
mals of Shorthorn parentage, although the reference is not intelligible as such: "II any cross
is not registered in either the Canadian or British is not registered in either the Canadian or British
American herdbooks, its pedigree-if eigille for in-sertion-together with the fee, must accompany
the entry of the animal it is reguired to complete.
(When a cross-bred is referred to it means the
product resulting from the mating of two animais product resulting from the mating of two animais designate a pure-bred. The use of the term,
"outcross," has nothing to do with herdbook "outcross," has nothing to do with herthook It is not the work of a herdbook to recognize any family lines, hence the use of the term is an No pedigrees will be received unless made on
Ne printed forms of the association written in the printed forms of the association written in
full to the end, and must be certified by the
breeder, his accredited agent or representative. breeder, his accredited agent or representative.
Entries must be accompanied by the necessary


Activity

were granddaughters of the famous Baron's Pride, and which has left these shores for least of this class ionderstand Mr . Graham intends to sell them by aucbuy them readily. They are worth buying. time with a good selectian of Hackneys. He has scoured the country to secure the right class of animal and has succeeded in getting horses of a good type. The Gowanbank sale of ponies and Hackney driving very animated not fong ago. The demand was not disappointing. Fifteen ponies made an average of average of $£ 849 \mathrm{~s} .7 \mathrm{~d}$. Generally, it must be allowed
nele that the demand for horses of this class in Scotland is only a very limited number of horse fanciers care much hegun in England in connection with light horses. been fotarious that the average British farmer has and appointed a committee to consider whether thing could be done to improve matters. One subject
of inquiry is, whether the present Thoroughbred sire is of inquiry is, whether the present Thoroughbred sire is
best adapted for improving the breed? This is a on earth is a second-class Thorounh greatest " screw " nothing, yet he can propagate his species. The
tendencies of most inquiries is toward the pious opinion
that Government should ters: but when we get down to details there is stron fracisposition to interfere with the liberty of the sul)-
lald down by Bishop Masee, that he would ather England free than sober. Your average Briton ap-
plauds his sentiment. It souds well held. But in order to its vindication, Great Britain bears the reproach of being the most drunken nation
in Europe, and the light-footed horses bred in this in Europe, and the light-footed horses bred in this
cot intry are, many of them, weeds of an unpardonable type. Still we muddle through somehow, and that Business is fairly booming in the Shorthorn world The great gathering of the year-at the Royal-wil fare with the Royal show-yard this season. The will see, and the will, at any rate, be well worth going to number have been shipped during the past few months The purchasing countries have been found in all quar decay in the popularity of this great breed. An old herd, that of Legars, Kelso, has recently been dis-Forty-one head of well-bred Shorthorns made an averag one of the ondinary pedigree herds of the country. One of the most celebrated Highland folds has also recently been dispersed-that of Urelfort, in Argyleshire. Eighty thead of the shaggy mountaineers sold for an average of
C16 19s. 4d. The health-bill is quite satisfactory. Pleuro-pneumonia this country known since 1898. Foot-and-mouth disease was un known in 1903. Anthrax, a perplexing and fatal disease, is, unhappily, on the increase, but taken all anthrax lies in its diagnosis. It is diseanty with the comprehension of ordinary mortals. The only advice the experts of the Board of Agriculture can give re garding it is that in every case of sudden disease among catte, anthrax should be suspected. Vet have examined the blood. A farmer cannot do this and he is liable to a heavy penalty if he sends a carcass to the public market which on examination proves
to have been affected with the disease. He is thus in to have been affected with the disease. He is thus in
a tight corner, and manty a decent, respectable man tras thought of wrongdoing.
Agricultural education grows in favor here. The tions attract a large number of students, and the work ture. The examinations are held annually at Leeds. the two National Societies of England and Scotland here is no restriction on the lines of education fol-
lowed by the students, and competitors can enter from all quarters. All the agricultural colleges are shaping
their courses of instruction along the D. A. examinations, and this makes for uniformity in of a high order, and the standard set for the diploma that which only students of approved merit and sound the future must be well educated goes without saying, standard of merit in all the colleges and schools. The
examinations of 1904 have been hy cessful of the series which was only begun in 1899 . Alike in respect of numbers and the quality of the work done, the reports are highly favorable.
When Dr. Koch threw his bombshell three - Dr. Koch threw his bombshell three years ago, gentleman was talking sense or the reverse. The Brit vestigate govent appointed a Royal Commission, to investigate the subject of tuberculosis, and especially to Fovine and in the human sublect is not identical The commission has been at work for a long time, and has
now issued an interim report. Its findings are Dr. Koch's positions. They are not based on opinions,
but on experiment. culous matter from the human subject from these infection of the cattle. Tuberculous matter sult has been the infection of these innocent pigs; the rethe cause of humanity. Tuberculous matter from these of these cattle. The investigators have he infection tinction any reason for believing that there is any dis animals. At tuberculosis in man and in the lower view. Immense danger may hirk in andopting its oppo-
site.

## Keep the Calves, Growing

$\qquad$

Wool in the Western States
All the expressed determination to buy the ne
wools at low prices or not at all has been throw aside. Representatives of eastern wool mer chants and others seem to be climbing over each other, in some sections, in their eagerness to
secure their share of the new wools, and, it is needless to say, are paying higher prices for them than they were a year ago. The fever to buy is widespread, and wools are being contracted for on the sheep's back at high prices. In the brighting prices are boing paid which mean a scoureat cost, landed, of over fifty cents, some wools cost ing, it is claimed, fifty-four cents. Large pur chases have been made at a scoured cost of no less Pre to-day paying for the
new clip are
justified in their minds, by the belief which is entertained that in the fall of the year, or by the time when
the mills begin to miake preparations for their the mills begin to mave at any rate, the price of wool will be materially higher than it is now. Certainly the purchases made cannot be justified by the present condition of the wool market a the seaboard, for manufacturers cannot see any
thing in the outlook for the goods market to warrant them in adopting any other than a very conservative course in the purchasing of heir raw material, and they cannot be induced to pay any higher pices an advance in the price of the manufactured that an advance in the price of the inanuracture
article always follows an advance in that of the raw material, and some of the dealers have actual y expressed their determination to compel con sumers to pay them higher prices for wool this year, believing that they ale in a position stocks of old wool, the continuously advancing tendency abroad, which will render it impossible for foreign wools to compete successfully with the domestic and the improvement in gener insiness which expected to
herd's Bulletin

## Farm.

## Macaroni Wheat

sstied a bulletin on macaroni wheat, which the milling and chemical characteristics of the wheat, and will be a valuable aid to the farmers millers and others in selecting the best kinds
This bulletin gives a listory of the different United States. There are a great many variet ies s the tests go to dute, the liunanla is by this ontletine the milltug charucteri.tics showing the rercentages of bran, shorts and flour rine the varientes. AII the wheats and theil iiven sowing the protein and cluten content of ruce prote $n$ is distributed, which shows that in the flour. and the points of good macaroni are given, st go do product.
Secorting
in the bullecin, killanka, when mitect) roturned 67 . 73 , per cent. flow, 13.341 shorts mints of good macaroni.

1. The color of a high-grade macaroni is a ight amber. When the color is white, and the dulterated with starch such whan and in !, Irot in, and not so mutritions. 2. The fracture, when broken, is smooth and ranslucent, and has a horny appearance when bent, a high-- luss macaro i is suitce elistict, springng hack into its original shape. fistad the a using about a teaspoonful of salt to a quart of water: Bring the water to a brisk boil, and then lucil mishly for fifteen minutes. A good maicaroni will bo white ind color, and retain its shape
When eaten, it will be tender and have a slightly When eaten, it will be tender and have a slightly
sween ish taste, together with a peculian int flavor, which is characteristic. A poor macaroni will have a starchy, umpleasant taste, and the
flavor will le diagrealle. it. may also be tough und leathery If it has soured in curing, the dis arre ealle flavor will betray the fact. An expler will form a very fuir opinion of a macaroni by
chaw ing the dry stick, noting the taste and flavor,

One Article Worth 25 Years' Subscription.


Early in April we had a valuable farm mare foalad in. When the colt was two weeks old it showed 1ameness, as though the mare had trod on it out
as the lameness was followed by general debility we began to look for another cuuse. We. were fortunate in having your issue of April 6th, with in article by your excellent contributor, "Whip," on Navel 1 ds the symptoms described delay adopted the remedy he prescribed, and although the attack. was a severe one, both knees, both hocks and each stifle joint being badly af Whin's and swolten, by forloning to the telter trouble gradually disappeared, the colt being able after allout two weeks' sickness to get up by himself, and now, saving a slight stiffiness, which is getting better daily, he seems quite himself again. have reparded the loss of the colt as ecumal at the lowest to $\$ 30$ or $\$ 40$. As we, beyond doubt. sloould have lost it without the information gained rom your paper, we regard the value of that in ormation as equal to at least twenty-five years ubscription
Wishing
publication, Rosthern, Saskatchewan


Mr'. Peleg Smith, Indianford, Man. Board,
College.

A Member of the M. A. C. Advisory Board.
$\qquad$ Mr. I Seleg Smith, Indianford, Man, a photo-
angraing of whom appears herewith, is the farms' rep resentative from the soulh-central division cultural College. He was born at St. Mary's Where he has been engaged in farming ever sinca His rarman Indianford is regarded as one of the
best managed in South Norfolk if not in Manit tolba. Mr. Smith has occupied several important prositions in the gift of the people of his district, and, Deing familiar with the practical needs of the doubted good judgment, he cannot fail to be

The Use of the Soil Packer
$\qquad$ results, considering the fertiiity of the goo sime of it had been cropped three times, and prot, rolled twice, yielted only twelve bushels therefore better lesulis were obtained when rolle I have boucht this implement to use specially neve soil, when summer-fallowed, to roll right to rendow the, in order to retain moisture, and I amm just now plowing the plot rolled twice last spring, and it is plowing nicely, the soil being of the packer is very dificult to say, for the reacoll that the last two years have been very wet.

[^1]JUNE 22, 1904

## was mu

Series II. is a test of the plows of the same width he extremes in shape, with table II. as the medium. his series, in which stubble mouldboard plow. With ifference in the total drast is more marked than in the former series. The medium or turf and stubble mould-解 conomical furrow. Thi this series, turns the most plete as that done in table TII., while the added draft hove table 1., which does little pulverization, is not qual to the added degree of the work. "Work" ays refers to that which is accomplished, and is nev Series IIT., tables I., II. and III., are the draft mouldboard, and table IV. is a comparison of thei drafts, taken at the average depth to which the prairi soil is turned. A study of the draft per square inch nill within a drate test in faxor of the 14 -inch plow These tables are interestinis froin the dondpoint the horse power required to do the work of plowing. Expressed in mechanical terms, one horso power equals
33,000 foot pounds per minute. This is equivalent to the work of a 1,000 -pound horse exerting olle-tenth ( 100 or a 1,500 -pound horse exerting one-tenth ( 150 lbs ) his weight at the rate of $2 \frac{1}{2}$ miles per hour. A $3,000-$
pound team, exerting one-ighth of their weight (375 Ibs.) at three miles per hour, is doing three horse power
of work. In our horse power tests, in no instan have we been able to find a horse that could exert continuous pull for a distance of one hundred feet which ter of fact, a horse should not be so loaded that, on pull of over one-eighth of his weignt. A study above tables and an application of the working ability
of a team will at once show the number of horses , accompish the work at hand.
$\qquad$ inches in depth of from will give a draft pull at fiv DISC PLOWS.
Disc plows are not a great factor in the black
trairie soils of Illinois and Iowa. They are much use The writer has used them with success in the black soils of Illinois, which are well drained, free from sod The drait tests of a walking and a riding plow
the same width and depth of furrow vary but little provided the rider is not on his plow. The riding-plow than daes the walking-plow, since with the condition weight of the furrow is loaded on the wheels, while the latter case the weight of both the plow and furrow
aresses upon the subsoil and packs rather than loosens

## DRAFT TE <br> TESTS AND EXPERIMENTS IN HORSF

 These are the resints of an effort by the writer and 1.1ish satisfactory work. The tests were made with an Osterheld \& Eckemeyer dynamometer, which gives posi-tive pulls exerted for a distance of one hundred feet
This This machine gives satisfactory results when properly
managed, and the writer is now at work managed, and the writer is now at work on a series of
tests which will give us the horse power exerted by
horses typical of the diferent lireeds horses typical of the

## Re the Soil Packer

## The following are my views regaraing the soil

 ago, and used the disk harrow alongside, and I think it left the soil firer, therefore in better ilth, and quite as solid. Last year, we used thepact er with the corrugated bars, and thought it wave good results. It left the land in fine shap a nice fine mulch on the surface. This year we are using a combined pac'er and drill attached irom it than any other packer, It is a single-
lisk secter, with a pacher following each disk. Wre the whole weight of the drill commes on the 2 t leaves a good mulch. and on any, soil inclined
o drift, idges it so there is no drift.

THE FARMERS ADVOCATE


## Experiments as to Width of Tires

 inch tires, the other with standard $1 \frac{1}{2}$ inch tires, both pounds. It was found that the power needed to 2,000 the narrow-tired wagon, with its 2,000 pound load, on founds on the wide-tired wagon. The same power re whired to draw narrow tires over dirt and gravel road
when these were dry and hard, was found sufficient traw a 2,530 -pound load on the wide-tired wagon under roads were deep with inud, but partially dried at the
-rfface with a few hours' sun, the same power re surface with a few hours' sun, the same power r
durired to draw the 2,000-pound load over them on
wide tires.
The directar of the station states that the condi-
tions under which the narrow tires offer an advantare wer the wide ones are ". unusual and of short dura in the year, amd at times when the dirt roads are most ased, and when their use is most imperative. the bron
tired wagon will pull materially lighter than the na
tow-tired wagon." Also, that "a large number lests on meadows, pastures, stubble land, corn ground nd firm to very wet and soft, shows without a single er cent." It appears that six inches is the best width of th

Pointers on Siloing Corn and Clover in British Columbia

## ,



Attention to Fire-guards
$\qquad$ 24, from the Calgary and Edmonton railway line
cast boundary of range 20 , west of the th meridia near Dead Horse Lake. Approximate length 60 miles.
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$\qquad$ Wre-guard from Gleichen, following the ranges 22 and 23 , west of the 4 th, to the north
boundary of township 24 . Approximate length, 16 Re-plowing fire-guard along the north boundary
township 26, across ranges 25, 26, 27 and 28 , west the 4 th meridian. Approximate length, 24 miles. Re-plowing fire-guard from Gleichen guard (3749) on
Rem guar let ween ranges 22 and 23 , west of the 4 th to Rosebud
River. Approximate length, 15 miles. township 22 , across ranges 26,27 and 28 , west of the Backsetting fire-guard on the north boundary
township 23 , across range 28 , west of 4 th. uuards on east and west of range 28. Approximate
lingth, 6 miles. houndary of township 26, following the line net anges 28 and 29 , west of 4 th, to the line between Re-plowing fire-guard from the 18 miles. Railway, following the line between ranges 27 . and 28 on the north boundary of to Crowfoot Guard (1446), ngth, 9 miles.
Replowing fire-guard from the line between ranwe and 3, west of the zth, following the line between Wash for Outbuildings and Fences. proved satisfactory. The trouble with all mixtures containing lime (stone, sluked) is that they flake off, und
nre also too expensive for their durntim (skimmed) and water lime are very cheap, quickly and easily mixed, and if applied correctly are quite durable
My henhouses and harn. but little scaling, und no loss of color. These with a four-inch brush, and well rubbed in, one coat not wnow it. As far un I know, it is anhout people do any reason why grades of cement, and I do not se Water lime is a yellowish lime, fine as flour, and come
reardy to use for making mortur for laying stone walls The mixture should be kept well stirred, is the lime sistency of ordinary paint, perhaps a little thinner, so
that it will stain the surface rather than cover it. To
$\qquad$
 line

## Cutting, Curing and Storing Hay.

 In successful haymaking, the main considera-tions are the weather, the best time for cutting tions are the weather, the best time for cutting,
perfect curing, and proper storing and stacking periect curing, and proper storing and stacking.
Of these, it is quite impossible to control the
first-a knowledge of its probable changes is first-a knowledge of its probable changes is
valuable-but the the control of the haymaker
THE TIME TO CUT HAY.
Generally speaking, the proper time to cut any grass is just as the bloom is passing off. If cut sooner, when dusty, caused by the dried parts of the tiny
be flowers. There are, however, many exceptions to the above rule, depending upon the condition
of the weather, and the particular kind of grass
to he handled to be handled. For example, if a continued wet
spell precedes the proper time for cutting wild much water to make successful haymaking possible. difterent grasses, a great many have for cutting lieve that it pays to let brome grass stand for a
considerable time after the bloom has considerabe time aiter the bloom has passed; in
fact, almost until the seed is ripe. The ad-
vantages claimed for del sying vantages claimed for delaying cutting are that as the grass tends to ripen there is a rapid growth of fensates for the loss caused by the stalks becoming more woodlike. It also takes much less time to
cure, owing to there being a smaller content of water in the plants. On the other hand, the late the plant roots after cutting, and conceruently the less fall pasture will be obtained from the meadow. It must not be forgotten, too, that at blossoming time the plant normally contains as much valuable animal food as it can at any time
in its history. After blossoming, it ceases to draw upon the plant food in the soil for the production of stem and seed, but proceeds to transfer its substance from lthe stalk to the seeds,
which are at this time being formed. And while brome grass may give a larger tonnage per acre if left until nearly ripe, it is certain the hay wil not be so valuable as a food, owing to the
proteids (flesh-forming substances of the plant)
becoming less digestible as the ripening season approaches. With timothy and rye grass, there is no reason last stages of the blossoming period. They, too, may produce a slightly heavier vield in tons, but
they do not pioduce any particular leafy growth they do not produce any particular leary growth palatable, and, incidentally, iess digestible to CUTTING AND Cuting hay.
In cutting hay, it pass to keel the mower
knife sharp and the machinery well oiled. Atknife sharp and the machinery well oiled. At-
tention should te given to the knife, because a tention should ke given to the knife, because a easier to draw, and has less strain on its own
geaing. It pays to keep it well oiled for the same reasons, and. hence
other things considered
$\qquad$ mower geing conly for a portion of the day, and
using the lat or for shaking un the hay and puting it in cocks for the balance. Where only the
$\qquad$
$\qquad$ larce amount of a meadow unless there is sumf
cirnt fore al the farm to properly handle it
$\qquad$
$\qquad$
$\qquad$
$\qquad$ rain tien lessens the ratue of a field of dry ha
at least fifty per cent. : rence, it is not wise t
run any more risk than is necessary with cutting a large acreage at onc has been cut down denends har crop after it heaviness and the tage of matmity at which it
has arrived. If it he very hravy, it will require much longer to dry than if it be lighter: and
the same rule holds in regard to its maturity. The loser to ripeness, the less water it will contain, it. There are some who helieve that cholen hay cannot he made unless it be raked and placed in
cocks by hand. By this melhod, it is allowed A day or so to dry in the swath, and then raked Thit

high-priced, and nothing must be undertaken that is not neecessary to a successful outcome. Good hay, in fact, a first-class article, can be made by
raking up at the proper time, and storing away in a well-built stack, a barn or shed. Those who have handled much hay well know that often when they have begun to rake a field that appeared too
green to stact, it was in good condition two green to stack, it was in good condition tien allowed to pass through it. It is just at this time the successful haymaker nins in his hat the old agricultural adage, " make hay when the sun shines," for, of all the seasons in the year when it pays to get a hustle on, haying time is the
one. in a se the fastest methods of getting the hay side-delivery or straight-dump rake, is illustrate



Prairie Haymaking-Up-to-Date Stacking ing-Up-t
Methods. hay can be piled up in a day, with a very litur hay can be piled up in a day, with a very little
teip, and where hay is being stacted it is cques-
tion help, and where hay is being stacted it is ques-
ticnable if anyone handling any quantity can af ford to be without these implements. Ang inther method of handling hary that is gainapproach within about a week of ripening, and then cut with the binder and ie in sheaves
Those who adrocate this flan claim that hy twing mall stooks, with the ends north and south. stached with fittle trouble. While this plan has the advantage of being hess cxpensive than the creby to secure a really first-class quality

STACKING AND STORING HAY
Where lumber is so high-priced as it is in this ountry at present, most of the hay necessarily ial is to keep the pile always high in the center in a stack that is twelve feet in diameter, the center should never be less than four feet higher to the onside, and the slope from the center sible with rapid work to make it. In beginning a stack, the great secret is to begin right in th center, gradually coming to the outside as the followe continues to rise. Where this practice is the When reaching the top, the center should be kept four feet higher than the edge and the diameter should be gradually lessened. When finished the stack: should be as sharp on top as it will be possible to keep it with the wind sling them over the top of the stack, attaching piece of wood to each end so as to hold the rounded top on for shedding the rain.
In stacking or storing hay there has been an old but some colt common practice of sprinkling pose of checking any tendency to become musty especially when the hay was inclined to be rather damp for stacking. It is very probable the value of this practice has been ragely overestimated much good. Where it is desired to guard against the evil influences of moisture, lime is a much better absorient than salt, and a little of it can
have no injurious effects on stock; in fact, quite the contrary. FIRE-GUARDS NEEDEID. a double fire-guard has been plowed around it, each one of which should consist of at least five distance apart, and if the grass between them t long it should be carefully burned when there is sufficient help and wet sacks
any risk of burning the stack

## Dairying.

## The Art of Milking.

wofit lies in the art of milking being to return understood, and has been taken up by some of the xperiment stations, and various manipulations Hed, Prot. Woll, of the station at Madison, being
me of the most recent investigators along this lime. I dairy farmer describes his method as fol .. The first consideration is the anatomical construction of the udder. Many do not know that
the teats are in pairs. The two front quarter are seldom of the same capacity or formation as the hind quaters of the udder. The teats on these quarters difer also.
Te scen milhers take a front and hind teat cither both on same side or diagonally across. I
was taught that way, but soon found that they was taught that way, but soon found that they guarters give the most milk, and the font hind we larger and milk out faster than the hind ones, "hed ise seen the new method of milhing pubtions seem complicated, but they are not. They ". In the first place, I milk as near twelve hours apart as I can. The cows expect relief at that ". When I drop my stool beside a cow, she are there-now hist.' A touch of the singer does the whole business of getting the right position. " "ith a wet cloth I wipe off 'the udder and the belly and legs. This manipulation is sufficient to start the milk. cause they are gererally short, and when full of milk dificult to get hold of. Besides, I prefer is rested, then change to a full-hand grip on the wst teats. lisy getting hold of the back teats can get and maintain a let the milk come, you ill the back quarters are full of milk and the Still reduced in length by the pressure of milk. hom the back quarter first. They are squeezed less till they are emptied, most, and she is restind When fired of milking or stripping the short


each quarter, and force it from the teat with the
right hand. This is easy when one gets used to
it. It takes out eevery not, It takes out ever'y drop of milk, and does strip, dribble of the common method.
"'The exceptions to this rule are these: on the well front teats, and then quietly change on the well front teats, and then quietly change
to the sore teat, the cow is not so ant to make a fuss as if you begin with a sore teat and get
her nervous for the whole milking. o difference cows are so constructed that it makes no difference where you begin milking. I ge
ly give my finger muscles the choice then. the sore in the palm, so it will not be squeezed. Sometimes the teat has to be twisted part way
round. Sometimes I have to change hands ; that round mametimes a have to change hands; that
is, milk a left-handed teat with the right hand.
But, really, there is little need of having sore trats, if the fences are good and loose wire picked "As to thie position of the cow, that is easily managed Teach her to put her right foot back
to the edge of the gutter. Put your knee in
front of her leg, and that foot has to stay there. farther than the right one, and if she puts it forget out of position with her front feet just as
well as with the hind feet. She can put her left you so you are crowded into the gutter. Or she
may put both front feet back, and thus force her udder back between her legs, so that even the case, the front fect can be placed in position hy pushing your right sho against them. Do it
gently though, and she will soon learn her posi.$:$ Some cows . have the miserable habit of
stepping over, and keeping the milker hitching er to her. When she is going to stop it. You can feel when she is going o pick up a foot. atch her leg on the cord above the knee, or jerk the foot
lack in place, or hold it if she has not yet straddled out. If she can't locate the left hind foot, are sufficient. orrect don't begition. The main thing is to teach her to trust you while milking. She may get into
111 sorts of awkward positions as she turns to
lick your neck or chew your ccat-tail, but she

The Butter and Cheese Makers' Work ing Attire.

| e, on a ald ior all, to state that we do |  |
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aside, he said, "You only need one thing in here to make this place complete," and as the young doctor said, "Yes, a sow and a litter of pigs ' Reverting to the dairyman's rainment, if there
is any one thing in which many operators suffer is any ore thing in which many operators suffer
by comparison with the dairymaid, whom we have often seen working with clean, plump arms
bared to the elbow, it is the habit of many for orymen who let the woollen sleeves (often dirt of the undershit extend down the arm below the
elbow. Cleanliness is the great essential in to-date dairying, and should be applied to th handlers of the raw material, the cow and the the buttermaker and the creamery, if a first-class,
much-in-demand article is to le put upon the

## Woman's Relationship to Dairy Work

I suppose so long as women become farmers Wives, they will have, to a more or less extent, to butter While in, see to the mik, and make the tend to the cows feed the calves, and do the mill ing, still I am glad to note it is practice th is gradually dylng out, and men are beginning see that such labor hardly belongs to women's sphere, and are relieving them of this part of the farm work

The majority of farmers' wives and daughters have usually enough household duties to demand barn evening at the hours when the morng and That meals require their presence in the kitchen sults than the men from the cows should not mea their continuance in the work, but should be ground for investigation. When women milk they do th at more regular hours-of course I an speaking of general mixed farming, not of specia dairy farming. A man mirks when he get through with his other chores, or forishes a cer tain piece of work-it may be at six, or it may be at eight oclock. Cows like regularity, and keep pheir $W$ of wher when at the same time each day. They also like to be miked in the sane plas it much the better plan to have the cows brought to the barn to be them. This should be considered a necessity, the women have to do the milking, as it is vastly nicer for them to sit in a clean, dry, cool stable than in the wet grass, or dusty, dirty barnyard. If a pound or two of meal is fed each cow night
and morning, there will not be much difficulty in getting the cows to and from the pasture. It is too heavy work for a woman to carry heavy pails of milk from the pasture field. To have a pasture field near the barn, in which to turn the bringing them in
That a woman can usually get more milk from a cow than a man, is chiefly due to the fact tha she studies the cow's nature, makes more of a pe sideration and kindness
Did any of you ever see a woman take a stool or a boot to a cow ? I hope not; I never did. to be harsh with your cows. Cows will pay more milk on less food if properly treated and are very much easier to handle. How I' wlsh some men would remember this !
Arrange to have the milk warm for the calve about the tlme the men leave for the barn, and woman says, " I'd rather do it myself tha trouble them." And such women may keep on doing it. But these same women grow prema turely old, hard lnes appear on their faces, an to straighten. Depend upon it, while men like their wives to be industrious, they also like them to keep young and good looking, but if a woman constantly works beyond her strength, she fades before her time
hard on the men. though 1 were being a little hard on the men. I have met many, very many,
kind, considerate men. The wife, when she does more than her share, is usually to blame-she didn't start in properly.
One' of the chief reas
use of cream separators is that they usually lessen women's work in connection with the dairy. The shallow-pan system of obtaining the cream, though not hard, makes a lot of extra work, and takes tank, mean heavy lifting. The stationary cream ers do away with this objectionable feature, bu are harder to keep sweet and clean.
quickly takes the cream from the milk, and as th
to turn, the men run them. The woman's part is to attend to the cream and wash the separator the milk receiver of the separator. The making of butter seems particularly woman's work, and it is nice work too. There is only one thing about it which really taxes the of making the churn the pround great many different kinds of churns, and have yet to see one which makes churning easy work I like the one with the handle bar extending from time, which makes it very much easter sam half-grown children can manage the churn nicely and it is a great saving of the mother's time and strength.
If instead of the ladle and butter-bowl, a lever at all handy with tools can easily make one-th dressing of the butter would be much more quickly done, with only half the expenditure of strength It is a woman's duty, so far as possible, to proespectally so for her dairy Having a and equipment should mean a better article obtained with less labor
work in connection with the dairy of woman's though, that a farmer's the dairy. I do think do all parts of the work, so that in case how to ness or absence she could look after things. There are cases where boy help is scarce and girl heip is plenty, then it is quite the prope the dairy work. Let them do it with skill and knowledge, taking a pride and pleasure in thei knowledge, taking a pride and pleasure in their
work, and much of the drudgery shall be removed.

## Dairy Barn Rules.

## The dairy demonstration, to be held in conned

 (ion with the Universal Exposition at St. Louis is attracting unusual attention, and the dairymen ested in all that lating to the fing, milkin seventy the feeding, ining and caring for th promulga by Olol Cherle Secretary by Mills, the World's Fair, contain many sugrestions that could be adopted to advantage by every farmer having ew or many cows in the dairyThe dairy
The dairy barn rules of the Universal Exposi-
ion are as follows. lion are as follows :
BARNS. The ba
from 9 o'clock a.m. barns will be open to visitor to be well cleaned each morning, not later than spectock, and to he in readiness for morning inbeection at 10.30 oclock a.m. All manure mus be promptly removed from the barns as voided
between the hours of 9 o'clock a.m. and 6 o'clock
later Cows.-The cows to be properly groomed not lously clean between the hours of kept scrupuand 6 o'clock p.m. The cows are not to be dis furbed for the inspection of visitors or otherwise at any time.
Milking.
ring to milk arc three daily periods for commenThe two daily periods for commencing to milk are 6 oclock a.m., and 6 o'clock p.m. The milkrepresentative of the Committee of the Agricultural Experiment Stations.
The milk to be weighed and sampled by the representative of the Committee of the Agricul-
tural Fxperiment Stations, and by him made Feeding. - The three daily periods for commen-Feeding.- The
ing to feed are 4 All feed to be weighed by the representative of Stations, and by him made a matter of record Said representative will see that the feed weighed mals, as specified by the barn superintendent Attendants.-Only the attendants are to be ad-
anitted without the railing enclosing the cows mitted without
without passes.
The milkers to he neatly attired in clean whit aits, and the other attendants to have clean suits
of blue denim. The white suits should he freshly roned for the nonn milking for the cows placed
The milkers will care only for the n the especial charge of each by the barn super
intendent, to whom they will look for all orders. make apprication to the barn sumerintendents, and Altandants in the dischares of their duties. the railing enclosing the cows must be made to No loud talking or noise tending in the least No loud talking or noise tending

Poultry

## Scratchings.

Thin chichens are slow sale.

A large roaster means a plump, firm-fleshed hicken, four to five pounds in weight.

Change the poultry from the old yard fouled by

Keep the water vessel scrupulously clean, and
keep it in a shady place-fowls like cold water.
rmin materget the supply of grit and shell-
Whitewash properly applied to the poultry Skim milk is a good poultry food, and is a great flesh forme

Ground oats make a splendid poultry-fattening
The damp, dark, dirty henhouse is like a mine
without a vein-there is no profit in sher The best dressed poultry are got from pure Put the old hens in the fattening coop, and rush along to market before the spring-hatched Sunlight is essential saising ; darkness and to successful chicken
dampness reduce thent Eggs should be marketed about every three
days, as they absorb odors, and should be kep
 As many of the suall chicken parasites breathe throughi holes in their sides, ${ }^{\text {a }}$
aids in choking them to doath.

Plant some sunflowers near the poultry-yards Such make good stade, and the seeds are a use
ful condiment for winton rod The trap-1est is to poultry-breeding what the Babcock test and scales are to dairying-the only
way to find the profitable producers. LKeep the best cockerels, (if pure-bredss, you
ratise and sell the others. Your flock will soon
tio
 small supply of eggs next winter: Put down a goo
supply in a preservatice solut ion-w wutustass or The production of a * maximum number of good-
 the malus He is as much out of thace as a man
at a house-cleanings. The young kobbler is hean ier, moré mascelline.


## It is said that the geveral shape of a chicken



If starting to breed purctured poutter hon will
 If you have a good plan of a poultry-house send it along, and good photo of the saine, with
a clear description of it.
Now is the time
to
 Eieight hens to *one **** *is the rule in some turkey harems, others consider a viporous, wedi-
um-sized two-sear-old golblerer sulficieint for twenty


Mark your this year's chickens. It can be
done with a punch in the webbing between the toes. It will aid in culling out those over age.
Superannuation should begin not later than at three years old with hens, by retiring them to the fattening crate.

Essentials to maximum egg-production are a good supply of grit, health, exercise, green food dom from mites and lice, protection from the hot sun, and good laying stock, either pure-bred
well graded up by the use of pure-bred males.

The following is a good prescription to use for a poultry-house cleaning: Take forty to sixty
pounds of good stone lime (air-slacked will not do), and place it in enough hot water to keen the lime five inches below the surface, stirring of sulphate of zinc and five pounds of common salt. This will cause the wash to harden, and prevent it from cracking. Add to all, and mix
well, one quart of crude carbolic acid. Thoroughly spray all walls, ceilings, roost platforms, nests, etc. The spray-pump does better work
than the brush, but do not postpone the job be


Barred Rocks-A Good Utility Pair
Wolves, and Poultry Raising est draere is no doubt the wodf pest is by far the great-
Territories. I live outry-raising in Manitoba and the lost as high as 75 or 100 chickens in a single summer But the question arises, how are we to get rid of the
wolves? We cannot poison them, for in attempting to do so many valuable dogs would be poisoned.
I believe it would be a good plan if there was a nesday in December. By having it properly advertised, and the people of the Province worked up, they would
take an interest in the destruction of the wolves. They would not only have a great day's sport, but Mr. Wolf
would be ferreted out nud run down Weny lacide Exten
year that could be used in the chase, and with doss guns, clubs, etc., one township might, be pitter against another, and a competition worked up. A supper could
be held that night, and the be held that night, and the bounty would go a long
way towards paying for it. I would like to know what objections there would be to such a procedure
1 know it would not only save the chickens, but a great many lambs and calves as well. I think it
would be hard to estimate the full done by wolves annually, and full amount of damage seem to be increasing. Some steps will have to be the chickens, it would cost considerable to cage in
sheep and cattle. sheep and cattle. I hope a number of others will give
their opinion on this important question. their opinion on this important question.
Elton, Man. SUBSCRIBER. TThe columns of the "Advocate" are open for con-
tributions on this subject. Send atlong your ideas as to how the wolves might be destroyed or the poultry
preserved ayainst their ravales

## Weaning the Chicks

It is not advisable to wean chickens until the own accord. She does not do this until she is about to resume laying, as a general rule, but frequently a hen will stay with her chicks for two
or three weeks after shie has re-commenced laying It is quite impossible to say at what age chicken. are weaned, for the reason that they are weaned at all ages, and the occurrence depends on the temperament of the mother hen. They may be loung enough to still remain in the coops when enough to require a change to larger quarters old quire a ont. One thing certain is that chickens reweaned, and if this special care when they are weaned, and if this care is not extended to then
many will be loct. If they are fit to go into
small colony house, two or three broods may b put together, but they should be as nearly as pos putting too many together is not commendable but twenty-five or thirty chicks make a flock of convenient size, neither too large nor too smal for economical handing. Ahey should not be al lowed to roost on perches until about three
months old, and even this is too soon for Asiatics. A good plan is to keep the floor of the house well bedded with dry straw, and let the chicks rest on it hey are old enough to go on perches with

## Co-operative Egg Business in Ireland.

 Among the many organizations established in of promoting the cast ten years, with the object development of the Fmerald Isle, one of the most prominent is the Irish Agricultural Organization Society, established in 1894 by Sir Horace Plunkett and Rev. 1. A. Finlay. The method adopted by this Society has been to establish co successful have its operations in this line been that, since its organization eight hundred societies have been formed, embracing all such industries as dairying, agriculture, poultry-keeping, gardening Early in its career the attention Society was drawn to the fact that, in addition to the home supply, the people of Great BritainImport annually upwards of $6,000,000$ pounds worth of eggs from foreign countries. It was
also noted that Trish eggs, owing to and to being kept too long before they reached the consumer, were in poor demand. Here, then, was an opportunity for bringing about a new
state of affairs, and building up a trade which might become at once lucrative and constant The Society immediately bent every effiort to
secure this result, and, by effecting a better system of handling, and educating the people
along " poultry lines," have been so successful that Irish eggs, instead of being , a matter of consought after, and have attained a wide market. An idea of the method adopted by these Dervock Poultry Society, which may be taken as typical. This Society was established near Bally-
money, Co. Antrim, in October, 1901, with a membership of 500 , and a paid-up capital of and its paid-up capital has now increased to 700 , capital being $£ 700$, in to ${ }^{2}$, the locality might become a member, the value of each share was placed at the low sum of five shillings. The taking of one share constituted share to ber of the society, the scale being one and each member being liable only for the amount or his share or shares. elected by the members, one vote, no matter how many shares he hold er, a staff consisting of four boxmakers and egg packers, and four collectors. During the busy season before Christmas, of course, this staff has to be increased. The headquarters of the Society consisted originally of a few old build-
ings, which were re-fitted, office, shed for boxmaking, storage and packing room, stable, etc. The plant and entire fittings, including an acetylene gas plant, which proves a great convenfence in testing the eggs, a horse,
van, and set of harness something less than £78. Since the trade is done on a strictly cash basis, all eggs being paid sary soon as received, it has been found necessary to have a considerable sum on hand. This working capital has been provided partly by the draft. All the Irish banking companies have now agreed to lend money to the poultry socleties at the rate of four per cent. per annum. It has been estimated that a society could make a star and carry on a successsul business on a smalle working capltal for current expenses could be obtained.
But, to return to Dervock. To the storagerooms described above the collectors bring the tance of twelve miles from headquarters. For convenience, the district is divided into four parts, each collector having his own section, which he three times a weok in summer. The cell, two cent only clean, fresh eggs, all others being re lected. They buy altogether by welght, never record the price and weight of the eggs in duplicate docket-books, giving a slip each time to th seller of the eggs. The eggs are then carefully they are taken out, weighed, tested again, and separated according to weight into several regular
sizes. At Dervock, the selections are into classes
weighing $13 \frac{1}{2}$ lis. IVer 120 , 15 llss . per 120 , and is prevented, and fust as much increase can be
17 lis. per 120 . They are sold by weight, the made if desired, at a much smaller cost of at higher than that of the emaller hover, being suuch ly, it may be sald that, having found out this fact, the poultry-teepers have exerted themselves and by keeping only those strains of fowl whic produce large eggs, have accomplished a marked per cent weighed 131 lbs, por years ago, forty none that reached 18 lbs. per 120 there wer present time only ten per cent. weigh $13 \frac{1}{2}$ lbs. per 120, while ten per cent. reach the $18-\mathrm{lb}$. standard After separation, the eggs are packed carefully
clean, dry straw or wood-fibre, the cases in clean, dry straw or "Wood-fibre, the cases are
labelled, "Irish Eggs," "With Care," " This Side Up," "Keep Dry," and they are then sent direct ly to the various towns and citics of Great Britain. At the present time, the annual turnover in
the egg department of the Dervock Society amounts to $£ 6,000$ per annum, Dervock Societ for $2,160,000$ eggs, having an aggregate weight o nearly 130 tons.
The Dervock members are well satisfied with The Dervock members are well satisfied with
their co-operative society. Since its establish their co-operative society. Since its establish pence per dozen above the price they used to get
when they sold merely to local dealers. This increase in price has been brought about largely by the doing awa present system, being sent, almost eggs, under from the producers to the consumers. In addi tion, the quality has improved, the demand has incrased, and poultry-keeping has become on industry productive of pride as well as urofit.

## Spiary.

## The Swarming Problem.

June brings the part of bee management re quiring the most labor and attention. That is effort must be made to retard swarming. Extracting supers are put on all except weak colon-
fies during fruit-bloom. When white honey begins coming in frecly, every blt of dark hoy be gins coming in freely, every bit of dark honey is
extracted from both super and brood chamber, and the brood is evened up by taking sealed brood from strong and giving to weak colonies. Comb honey supers are put on, or extracting supers expected per colony. Entrances are enlarged to expected per colony. Entrances are enlarged to
their fullest extent-about $1 \frac{1}{4}$ inches deep, and the full width of the hive-and ventilation is given at the top of the super so that a current of fresh hives can be partly shaded, and the brood chambers are large enough to give full scope
queen, swarming will be greatly retarded.
From this on, each brood-chamber is carefully examined every seven to ten days for queen cells, which are an Indication of swarming. There may brood-chamber, so careful search must be made if only empty cells are found, and the broodchamber is nearly full of brood, a frame of brood
is removed, and replaced by foundation; and ells containing eggs are broken down. The brood removed is used for strengthening wak colonies, If any cell contains a queen larva, it is proof hat the swarming impulse is far enough advanced to tate action. We shall describe next week a
method by which practically all natural swarming

## Events of the World.

aris, has advanced the theory that senility is due leen eutcogeses of a microbe, which, he claims, he has

A despatch from Constantinople states that owing man irade recently issued by the Sultan, wholesale Hassectes in Armenia. It is is stated that two days were uevoted to the massacre, during which thirty-seven vilhages were destroyed, and two thousand of the in-
havicuants put to death. Nassacres are feared in other places, and the people are panicstricken.
A recent despatch from Tangier states that a well riganized plot to depose the Sultan of Morocco exists
hroughout the Empire, supporters of the movement being found among the highest in authority in both Church and state. Although the revolution was in
progress before the signing of the Anglo-French Treaty, It has been precipitated by the agreement, undar which $\pi$ is Maimed by Morocans the Sultan has virtually
sold his country to France. On June 15th, one of the most terrible catastrophes Hear Hell Gate, in the East River, just of 125 th street By the burning oi the exoursion stemer Slocum, having on board the annual Sunday School excursion of St. Mark's German Lutheran church, five hundred people,
most of whom were children, perished.
More than two thousand were on board, some of the saved escaping by swimming, others being rescued by the hundreds of
small boats which immediately put out to the doomed vessel. Of those who perished, many who had jumped overboard were carried olf by the current; others were
burned to death, or crushed by the collapse of the heavy upper deck, which fell soon atter the tire began. The slocum was finally beached, in the shallow water
some distance from shore, but afterwards burned to the

## Rumor continues to follow rumor from the Liao-

 tung, and although but little has been confirmed, and Cetails are almost wholly lacking, it seems evident that rapidity. The Japanese have been advancing steadily Coward Lianayng, where General Kouropatkin's greatarmy is entrenched, having successively dislodgect Russians in a series of skirmishes, from Haicheng Saimatza and Siuyen. It was at first thought that this advance presaged a great attack upon Liaoyang
itself, but since recent offlicial despatches from Russian sources state that General Kuroki is entrenching at Siuyen, it sems more probable that he intends to rein check until atter the capture of Port Arthur. Ale has deen fought at Fu Chow, seventy miles north of Port Arthur, and that the Japanese have again wom
a great victory, the Russians retreating in full flight a grat 1, ecory, killed and wounded and all their guns
leating on the Lield. Details are awaited with anxiety, (ireat
iinterest is attached to the fact that Adminial Shrydult
 Iort Arthur fleet, which is reperted to be ugain reany
for sea. That this movenent will be checkmated is oner, by Admiral Togo and his watchtul seluadrons,

Field Notes.
Mr. George Johnson, Dominion Statistician, says
that trade follows the advertisements. Dr. Wm. Saunders, Director of the Dominion Ex
perimental Farms, has received an honorary degree from Turtle manges mand inhabitants of Frank, Alta. There is said to be no
 boo, has been appointed Senator, to replace the lat est members in the House, is at present ranching in B. C. to issue immediately licenses Columbia have decide and coal on the two famous blocks in Southeat Kootenay, long held under reserve for railway pur The Chinese coolies sent to work in the Sout three years. At the end of that time they may engaged for a further three years period, but six year is the maximum time of contract. A guarantee is
given that they shall return to China when the six years have passed
On June 12th, the steamer Cape Breton, a coaler, ran into the R. \& O.N. Co.'s steamer, Canada, on the side of ten minutes the Canada sank in forty feet of water. There were about one hundred people on board all of whom were saved except tive. The Canada was Cape Breton sustained little meton sustai temase.
canals at Sault Ste Marie for the month' of May show a most remarkable falling off from the records of las year, the difterence up to date being more than 6;000 000 tons. An interesting eature of the report is tha lighter than that the American canal Practically no ore has passed the Soo thus far this year
United States transportation companies are raising a tempest because certain $\mathbf{U}$. $\mathbf{S}$. shipping magnates, in wise traffic of the regulations governing the coast wise traffc of the re in t, are allowing goods boun Canadian route of the White Pass Rallway. Canadian may find some amusement in watching this fight be $t$ ween U . S. factions, one of which is thus contending
 been sent as a specially-instructed commistioner of the Department of Agriculture of Japan to investigate all conditions under which immigrants from Japan are re wish to Cand no and the United States. The Japanese wish to send no emigrants to any country in which shows that this condition rigorous laws against emigration to this continent will

Several readers who have lately sent in questions to be answered in the Farmer's Advocate forgot to compty with our rule Which requires the full name and $P$. O. We omm can no attention to anonymous and observe ths orther and Answers" Department.


The Bcvines Line Up Stock Parade, Edr.onton Exhijiticn, July 2nd, 1903.

## THE FARMERS ADVOCATE

## Grain-growers' Executive Meet.

Barron, Carberry, getting Nonpareil Lady at $\$ 250$
R H. Shore, Manitou, gave $\$ 270$ for Bracelet, imp Red Rose falling to Sir William Van
highest price for a female; the top
being $\$ 205$. The Clydesdale fillics

## The Canadian Budget and Tariff

 The Canadian Finance Minister, Hon. Mr. Fielding and announced the tariff changes. The surplus to he fiscal year was reported at $\$ 16,500,000$, which wil permit a large debt reduction. The revenue for the he numbers the last calendar year was reported as 134,370; home and sales by companies, $4,229,000$ acres, for $\$ 14$ 651,000 . The surtax imposed on imports from Ger many had steadily reduced importations from that country. During the previous iscal year, Germany had had now been entirely diverted to the British wes had nowIndia Islan
general revision of the tariff is postponed pending nembers of the Cobinet Mr. Fielding hints that when revision does come, it will be along the lines of a maximum tariff for countries which do not treat Canada fairly, and
a minimum tariff for those who show a disposition to trade on equitable terms.
The brlish feference is to be muintained, and exThe woollen manufacturers are weeds, coatings, overcoatings, and other woollen goods
(except blankets, bed comforters and counterpanes) 30 per cent. It has been 23 t per cent. The twine and cordage men, who have also feel ing the effects of British competition, are given a minStafordshire china and earthenware makers are given additional inducement to trade with Canada, by being reduced from 20 to 15 per cent
Common window glass, when coming from creat Britain, is reduced from $131-3$ to $7 \frac{1}{2}$ par cent. from 20 to 25 per cent. $\$ 50$ each is prohibited.
Open carriages are
less than $\$ 40$, and covered ones at not less than $\$ 50$ A provision is made that when it is proven that
any imported article is being sold in Canada at less than the fair market price in the country of origin, a speclal duty shall be imposed, not exceeding 10 per cent. ad valorem, except in the case of steel rods, Which a bounty is now paid in Canada, and on them The duty on refined petroleum, the coal , il of mestic use, is reduced from 5 to $2 t$ cents per galloncrude oil is to be admitted free, but Canadian oil-well
owners are to receive a bounty of 1 t cents per gallon as compensation for the loss of the protection which they have hitherto had. Mr. Fielding estimates that ing by the reduction of the duty on refined ol wil sumers of $\$ 397,000$.
$\qquad$ reductions are made: Paraffine candles, 30 , these cont.; paraffine wax, 30 to 25 per cent.; illuminating The complaints of the neck wear manufacturers have
been met by the reduction of the material to 10 per cent. ad valorem. improvement of stock ; whale oil soap : Coats, for the photographic paper (formerly 20 per cent.); hydrosalicylic acid; glass for making dry photo plates (for
merly 25 per cent.) (formerly 25 per cent.); printing cores for buttermaking Canada ; brass-making machinery not made in made in Innen-making machinery not made in Canada; well-drill ing machinery not made in Canada; artificial teeth quassia juice ; philosophical apparatus for universities gold-mining machinery not made im Canada is extende for another year.
Provision is made for the free admission of molasse Iled to the British preference, whi

For an Experimental Farm in Alberta.
$\qquad$ races in the civilizedd world, was won on June 1st by
Mr. Leopold Rothschild's St. Amant by St Fit Sir John Thursby's John o'Gaunt was second and Mr.
Joel's St. Denis third Joel's St. Denis third. The French owner, Mr. Edmond
Blanc, who paidd 37,500 gg. for Flying Fox, had backed
Gouvernant thought he would. A French triumph would and many a great loss to Britain. The French horse was the favorite, and more Frenchmen saw the race than have
ever before been assembled at one time

## JUNE 22, 1904

British Trade and Market Conditions. CROP PROSPECTIS
dant rainfalls we have experienced for the abundays, and with the warm, settled weather now on the haymaking goes merrily forward. At the best of the white-straw crops, wheat being quite out of the running; while barley is moderately satisfactory. There has been an extraordinarily fine and general blossom on the fruit trees, and sunny, but not too dry, June is to be desired. At present there is plenty of moisture in

THE GRAIN TRADE
The grain markets continue very quiet, and although there has been no apparent pressure part of the week. The quantity of wheat afloat doubt finer increased, and Unless, however, Ainerica is going to resume her normal rate of shipments in August and Septemlaid upon the size of the present quantity afloat he arrival of a considerabie portion of which must be spread over three or four months. There semand acter that prices have been difficult to maintain There has been a fuir dẹmand for maize during the week, and prices have been maintained for the most part. Oats remain very quiet, but are wheat in quotable change in values. The stock of wheat in London is estimated at $80,000 \mathrm{qrs}$.; of
flour, at 325,000 sacks, and of oats at 460,000

The following are the Mark Lane current $\$ 8.58$; No. 1 northern Manitoba, wheat, landed, $\$ 8.58$; No. 1 northern Manitoba, ex ship, $\$ 8.40$;
No. 2 northern Manitoba, ex ship, $\$ 8.16$ : No. northern Manitoba, ex ship, $\$ 7.85$. Flour-Some of the first spring American patents, ex store, are elling at \$6.36.
tained a steady position, but buyers continue reticent. On passage, $\$ 7.44$ is asked for Californian, $\$ 7.26$ for white Walla, and $\$ 7.32$ for
red. No. 3 northern, Manitoba, afloat, sold at red.
$\$ 7.35$

EMIGRANT'S, GOOD AND BAD
Judging from the press reports, the class of emigrants taking advantage of this cut-throat anxious to welcome, however much we on this side are pleased to speed their departure. I am
glad to learn from the official sources that the glad to learn from the official sources that the country from Great Britain, irrespective of low rates.

PRODUCE SHOPS:
The Canadian Produce Corporation having been successful on the London market, as far as getling the money goes, it now in their prospectus t is stated fifty shops will be opened in London alone. As far as the public generally is concerned, a new company in the field should be to
their interests, as prices will probably come down. CATTLE, MEAT AND DAIRY PRODUCE. The Deptford cattle trade has been rather unweather, which has chanced to be very wet on the
market days. The Canadian cattle landed so far have been good, useful lots, and have made from
$11 \frac{13}{3} \mathrm{c}$. to $12 \frac{1}{2} \mathrm{c}$. per 1 b . There have been some
heary consignments of U. S. beasts on this mar-
ket, which have been quoted with seconds from 12 c . to $12 \frac{1}{2} \mathrm{c}$ and 123 c c. per lb states sheep are making $14 \frac{1}{2} c$. to 15 c ., and the
tendency is upward.

## The Horse Tariff.

The new tariff has a provision to prevent the im-
portation into Canada of inferior horses. By the resolution introduced by Hon. Mr. Fillding, in his budget speech, the Customs Tariff of 1897 is amended by adding to the schedule of prohibited importations,
$\because$ Stallions and mares of less value than fifty dollars each." This tariff regulation will keep out of Canada a mongrel class of horses common in the Northwestern
United States. The settlers of the Canadian North west have suffered much from the mingling of these detoundary line. On this account representations tro the Northwest have been made, urging the Government to restrict the flooding of Canadian territory with the elfects of the tectically worthless animals. One of the ellects of the legislation will be the creation of a
better market for home-bred horses. The fixing of the minimum value of imported horses at fifty dollars is were opposed to an enactment that would raise the cost of working horses in the new country. Horse dealers
will, no doubt, be more affected than any other classes

Room for Immigration.
inuation of the months of 1904 have witnessed a co brought us 129,000 new citizens. The Anglo-Saxon America until the United States is comfortably filled it is now overflowing into Canada. We have six mil hons of people to-day. Mr. Lightall estimates that required is therefore $894,000,000$. If they come number same rate as in 1903 , six thousand years will be required to secure them. Even if we received a million a year, it would be nearly nine centuries before the
country is fifled up. In view of these unions and trade councils need have fo worry tabor the coun
Magazine

The Agricultural Graduates.
college have been held. Those completicultura iour-vear course received the degree of 13 . S. A are H. S. Arkell, Arke:1, Ont.: T. C Ont.; 1) Buchanan, Florence, Ont.; G. M. H. Carpenter, Fruitland, Ont.; A. B. Cutting, Guelph
Ont.; W. R. Dewar, Fruitiand, Ont. Funsher, Florence, (Ini. ; A. L. Fulmer, Ruthven Ont. S Salbaith, Ellesmere, Ont.; W Hamiton, Ruvenshoe, Unt. J. P. Johnsto
Fingal. Ont. - O. M. McRae Cumberland Fingal, Ont. - C. M. McRae, Cumberland, Ont.
J. Peltzer, Argentine; B. S. Pickett, Vittoria Ont.: J. C. Ready, Rosetta, Ont. ; C.
Flma, Ont. ;
\#T. B. Rivett, Jamaica.

## Rhodes Scholars

The following students, having been successful it to avail themselves of the schelarships provideerl by the
will of the late Cecil rhodes, are now eligible for iord: John Maclean and Walter Burman, Manitoba olumlia.

Some Coal-tar Dips Undergo a Scientific The Oklahoma Experiment. Station Veterinarian and Bacteriologist, Dr. L. L.. Lewis, reports in a bulletin
his investigations as to the disinfecting power of the coal-tar dips. Several dips were tested, including Chloro-naptholeum and Zenoleum. The resisting powe of the germs of the following diseases, hog cholera,
swine plague, pus, hay fever and anthrax, was tested by the use of the dips mentioned anthrax, was tested The following is the summary of the bulletin When the various coat-tar dips were used in a one per
cent. solution, they were effective disinfectants laboratory experiments, but in practical experiments in least a two per cent. solution should be used. They be better disinfectants than carbolic acid when used in the same strength. The coal-tar dips, are non-poison in wounds. As comprared to cartholic acild, they were to use. The roal-tar preparations tosted are not only
good disinfectants, but are also mood deodorien and good disinfectants, but are alsons good dedodorizers." The
Oklahoma Station may be in an out-of-the-way

## Narkets.

Horse Market.
The following is Walter Harland Smith's weakly re Toronto: Single roadsters, 15 to 16 hands, $\$ 150$ to $\$ 225$ : pair roadsters, 15 to 16 hands, $\$ 350$ to $\$ 525$; to $\$ 320$. matched pairs harses, 15 to 16.1 hands, $\$ 200$ hiands, $\$ 400$ to $\$ 650 ;$ delivery horses, 1,100 to 1,200
pounds, $\$ 160$ to $\$ 195$; general-purposo horses, 1,200 to 1,350 ; pounds, $\$ 140$ to $\$ 185$. ; draft able second-hand workers, $\$ 70$, $\$ 18,5$ to $\$ 225$; service
ond hand drivers, $\$ 60$ serviceable sec ithle second-hand workers, $\$ 70$ to $\$ 110$; serviceable sec-
ond-hand drivers, $\$ 60$ to $\$ 90$.

## Chicago Markets

$\qquad$ tuers, $\$ 5$ to $\$ 5.50$; distillery fed, $\$ 6$ to $\$ 6.30$.
Hogs-Mixed and butchers', $\$ 4.85$ to $\$ 5.05$; good to Sheep-Good to choice wethers, $\$ 4.75$ to $\$ 5.25$; fair to choice mixed, $\$ 3.75$ to $\$ 5$; native lambs, $\$ 5$ to
$\$ 6.50$; spring lambs, $\$ 5$ to $\$ 7.45$.

## Montreal Markets

\$5.50, and from that down to $\$ 4.75$ per cwt . for good
mediun mediums; ordinary mediums from $\$ 3.75$ to $\$ 4.50$; com-
mon stock, grass-fed, from $\$ 2.50$ to $\$ 3.50$. Shipping sheep are 4 c per pound ; the others from 3yc. to 4 c .

## British Cattle Markets

Winnipeg Markets


- oh $!$ what is so rare as a day in Jun
Then, if ever. come pertect days ; Then, if ever, come perfect days;
Then heaven tries the earth if it tune,
And over
lays.,


## Decadence in Art

Polly Anne Greenway's fomily thought Ler dectidedy gifted, and that young
lady's singular estem for her relatives
ond opinions torced her to come to the same
conclusion conclusion.
Neverthele Nevertheless, when she announced her
incentiou of studying art her father de murred. ${ }^{\text {It }}$ was one thing to have
talent, but quite a different matter to depart from the beaten track, and l'olly's Lamily had other views for her.
Let her marry and settle down," said her father.
But Polly's
very firm line came together in
There mere plenty of very frm line. There were plenty of wo-
men in the world. Let those who felt
inclinet inclined marry and bot give in marriage;
as for her, she had a mission in life and as for her, she had a mission in life and
she meant to perform it. set-apart expression that parental ob-
jections gave way and she was allowed jections gave way and she was allowed
one meager but soul-nspiring year in New York. publishers and advertistng bureaus. Discouragement she met at first with the
joy of resistance, but that sort of joy luck was phenomenal.
At last her cover for the Christmas
number of a magazine was accèpted and number of a magazine was acceppted, and
hope once more lit its hope once more lit its lamp in her
breast. ${ }^{\text {ond }}$ But when the villainous lithographer transtormed her designs so that
nothing remalned that she could call her ${ }^{5} \mathrm{wn}$, her stoicism gave way utterly, and st was just at this juncture that the This title he acquired mate hater on, when shearance. discovered that he was a young man of
diabolical cunning Polly had met him at more than one function, and he swelled the list of a
large and uninteresting bowing acciuaintance from which individuals were once cancies made by removals and occasional misunderstannings.
Why should he call upon her? She ran rapidly over her scant knowledge
conccraning hime as she came down to meet him. Rather stif and expressionless,
Rumored well off and on the point o marriage to some stranger. Nothing
very
decided,
nothing tractive. M. . . . C. rose before she had
The Y. M. .
time to smile
t. time
fibs. Giood morning, Miss Gireenway Mer- Per-
haps 1 should apologtze for trubling you, hut the truth is 1 am in a diliemma and have come co you for advice."
Polly seltied herself nud became all attention. A man may be most uninterest-
ing, but the moment he asks for andee
he becomes, in the eves of the womanice he is consulting, a most discerning individu-
al and decidedly worth ${ }^{\text {an }}$.. You problally are not aware that I street."
She
believed she had heard it mentioned in connection with the homecom-
ing of the stranger-bride. is. It is completeed,", he continued, " and


## $\stackrel{S}{\mathrm{~S}}$

Some of them have houses satisty me
known decorators. they show a lack of individuality think I beg of you to undervake the manage
ment of the whole scheme of decoration and furnishing. Oh, pray don't veto itt,"
as Polly's eyebrows went un to ber pompadour, "till you have heard mer
out. I want each room in my house to to be part of one scheme and the keynote you will undertake it you shall have ill the help you wish-anything, everything you need to carry te out. It is well
planned and well finished. it to band well unished any of those unhoustery handsome, sut quiet, restrul, artistic-a home "But Be of the word."

## seid Poly, dint believe I'm competent,

 appeal strongly. "in tha idea began"." Does that mean that you wouldn's

$$
\begin{aligned}
& \text { "Does that mean that you wouldn't } \\
& \text { are to undertake it? ? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { "Then let us go at once and look at } \\
& \text { the house and you can form your plans." }
\end{aligned}
$$

$$
\begin{aligned}
& \text { In five minutes the were on a care, } \\
& \text { Polly was carried of her feet; the whole }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Polly was carried off her feet, the whole } \\
& \text { undertaking grew momentarily more at }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tractive, and as she was an mine an aterate } \\
& \text { castle builder, by the time the car stoper }
\end{aligned}
$$

$$
\begin{aligned}
& \text { castle builder, by the time the car stopped } \\
& \text { at Lincoln street, she had become a suc. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { at Lincoln street, she had become a suc- } \\
& \text { cessful middle-aged decorator. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { She found the house a perfect gem in } \\
& \text { its way, beautifully laid out and with all }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ation. As she went from room to room } \\
& \text { her delight and enthuslasm were good to } \\
& \text { co }
\end{aligned}
$$

$$
\text { see } \text { So the work was undertaken, and upon }
$$

$$
\begin{aligned}
& \text { So the work was undertaken, and upon } \\
& \text { the whole everything went well. } \\
& \text { ne }
\end{aligned}
$$ not often see the Y. M. O. D. C., but his helpful, and a telephone messare broughs him immediately when he wase neought

smonth out difficulties with stubborn to inefficient workmen. to hate the bride elect, hut the began reaching its climax on that day when everything was completed, the workmen
yone, and the owner out stole back for a last look before the she should have left her possession. She sat down on a high-racked settee commandSng a vista of three rooms. The sun
threw stains and splashes threvv stains and splashes of color on the
inlaid
noor,
and whistled mournfully the sort of wind that sings to sensitive ears or sorrow and
desolation "I don't care how many houses I other ceeorate, there could never be anwill bring a whole lot of wedding presents and sturf and just ruin everng
thin-I wish I had never seen the place-
I wish whit I wish I had never been horn," she ended
misiserally.
Then she wiped her angrily.. ". No wonder I wipen't heen a success," she thounti. . I am a weak-
minded simpleton anyway, and no doult minded simpleton anyway, and no doub
that tact is patent to everyone but my Selr." not withstanding her scorn of her
self self the tears contituer to come from
some inexhaustible source. "Well, this is a success any way," she
color a trife more cheerfully, "and the
 wretched can glating possibly turn into
any any old washed-out things
Telt like a thief, as she sto
and tendered him the keat
and No, sit down tet's tell. said. "Great success Isn't it? not flatter myselr too muc ourage and wisdom in going
Ho sat down beside her He sat down beside her on the settee, looking so thoroughy contented and
prosperous that she hated him trom the oottom of her heart, or thought she did which is just the same thing till we find out the difirenc
we Everything is finished. .. When shall woman in trailing robes, handling dellcate china and moving lightly from room to room to give the finishing touch and "It will need
and provisions in the pantry and plent
 of the picture he drew, and deternined
to cut short his rhapsody. well," he said, quizzically,

"I should think your fiancee would have some choice in the matter." "Oh, I don't know," said he uncon cernedly,
satistied. $\qquad$ a

## "You t

## said Polly. "Yo perfect nonentity

ope," he went on, ignoring her bether, "I like the way you manage things." Ho you, indeed ?" thought Polly resolution never again to cross th
threshold. There was a long silence while Poll looked at the rooms, and the Y. M. O D. C. looked at her. Finally Polly
stood up, but he took her hand and
dreat ${ }^{\text {drew her down again. }}$. When are we going to be married "Who?" gasped Polly
.. We-you and I-Polly
We-and your fiancee wh
mean $?$ " she cried in distress
"There isn't anyone but you polly built the house just to iget you to
decorate it, then people had to provide a reason, and it really wasn't worth
while contradictung them.
I'm a dread. ful sinner, Folly, but I couldn't interest you in any other way. © Do forgive me, me," But Polly, wholly unprepared and too
parallyzed tor speech, sat back cold and pale. She shivered slightly.
A fire of driftwood had been laid in the
 hand ageain, ", ", "o will light the fire and talk it over.".
And they did.

## He Wasn't Hurt

## was staying at the the railroad, ant

 number of his fellow-laborers. Pat'sroom was on the third floor. wp twe fiights of stairs. One night a severe fire
broke out in the hotel awakened from his deep slumbers and was mediately realized his danger. He
dressed hurriedly, and in his excitement he put on his trousers front side behind.
He rushed to the He rushed to the window, and jumped to
the ground. He was at, once surround by his friends, who thought him serious. y hurt. "Air ye hurt, Pat? Air ye hurt ?" was heard on all sides.
Pat
Pat got up. shook himself, and then
noticing the anpenranco

Our "Suggestion" Contest ranging a ta batery ar ranging and tabulating the replies to rties bo Think ?", and now we are ready to award the prizes prowis for the best and most suggestive coiments regarding our Home Deity of returning sincere opportunthe many beautiful and kind letters reccied, containing such warm ap Farmer's Advocate Home Magazine $\mathrm{t}_{0}$ ulcase and to wify: most gatifying to the editor and know carnest and untiring helpers to satisfied our readers are so well and we rot praise unstinted titicism, Our departuents. As for our dent seems to ner consecrated talent that it must be not only a cause of great rejoicing and thankfulness to
herself, but also a high tribute to the taste of the readers of the "Ad vocate. Some praise the stories for more travel notes; some wish facile pen; others recurest A. Bis space for domestic economy. a rumber are enthusiastic over Dame Ingle $A$ hospitable and helpful the nurse's Health Talk corner and exactly what we need"; other would like a whole page of fashion in their more poetry; but all agree "Hope" Ow ins detotion to often been very costly have more than repaid in having our ef-
forts in the direction of art culture so thoroughly appreciated. Even our bits of humor are commented whom says that our iokes an witticisms should be read aloud dur ing meal-time, as an aid to famil thank you again, one and all, for promise to give our readers the bene ceived the valuable suggestions re Our pri e list is as follows: First Man.; second prize, Mrs. E. Both

Sucesstul tevivalist recently had a ing a .. mission ," in a certain hold parish, and, on its conclusion, paid Amiong those visited was a young dress. maker who had attended the services regu
larly, and who told inuch she enjoyed them, and how surry ." In in trey were all over. y real * Oh, yes sir indeant ", she .
$\qquad$
$\qquad$
$\qquad$ nly knew how many people have called
luring the last tew days to pay thei

Domestic Economy
 A physician says that nausea has
 ing the pase of the obrim.
 least as an experinent.
treathent of earache.







## HEALTH. IN THE HOME. <br> GBy a Trained Nurseo

## Accidents.

FIRE.
In an accident of any kind it is of
primary importance not primary importance not to lose comthese is the only way in which disaster can be prevented. A person who, taking fire, rushes screaming chance there is of help. Fire cannot burn without oxygen. Therefore, it air can be quickly cut off from the burning object, the fire is choled
and injury prevented. Anyone whose and injury prevented. Anyone whose
clothing catches fire while alone in the house had better make for the nearest bed, and wrap himself or herself up' tightly in the bed-clothes, to create a strong draft. A woman while moving towards a bed, or rug or blanket, or something of the kind, in which to roll herself, can wrap can remove his coat and use it man blanket as the first movement, when nothing else is near at hand. If there is absolutely nothing available,
lie down on the floor and roll lie down on the floor and roll over
on the burning spot. A pillow or cushion can be used with good effect. There is seldom enough water stand-
ing near to do much good, but many country to do much good, but many rainwater standing near the kitchen door, and supposing this to con-
tain water, it would be sensible get into it, a feat that most people could accomplish with the fear of burning to death as an alternative.
It is essential to have something definite in mind. It would be mad-
ness to open the door and go out except with the door and go out, that there was water in the barrel,
and the determination to and the determination to get into it,
Do not open the doors or windows with burning clothing on to call for help. If the bla\%e is not too strong,
and the step taken immediately, the
and a blaze quilt over it, and, throw a heavy and stamp the kind as come to hand stifle the fire, and let someone in the meantime get water and drench the whote. If grease takes fire in a pan on the stove, cover immediately with iron on top to keep it down will will strike upon anything, should not be kept in the regular match-
box in very hot weather metal box or a covered china bowl Matches sometimes ignite spontaneously, and are apt to do so if knocked down from a high shelf upshould be kept in a cool place, and out of the way of children and mice The latter have been supposed to cause fire by scattering matches,
which have afterwards ignited might easily do so by knocking them down. There should always be a metal, china or glass receptacle for burnt, matches, and they should never bers of people have been hurned to death through
Starting a fire with kero-
A little kerosene can be poured on ing, and the match thrown in after wards, but it is extremely dangerous and equally foolish to pour keroif it is almost out. The reverse of ligis rule applies to gas. Put the that it will meet the pacing it so first emerges, meet the gas where it This is the only safe way to light of the kind should other substances in the kind should never be used


Weeding the Pavement.
a moment withdrawn from the child. THE RELIEF OF BURNS ntil medical aid can be procured alkaline air-tight dressing of some kind. A cloth wrung out in sweet part, with some cotton or a piece of flannel over that, and a bandage applied. Butter or white of egg thay be used instead of oil. Every $y$ clean. If the burn is not to deep, a cloth wrung out in a strong solution of baking or washing soda the virtues of both dressings may obtained by using a strong solution of Epsom salts, made with glycerin and water, about half of each. LARGE BLISTERS
point with a needle allowing the fuid thus liberated to run into and be absorbed by a piece of cotton fluid must not be allowed to run other blister wherever it cause anneedle used for this purpose must The boiled or passed slowly flame, and not allowed to touch anything of any description after that blister ind iseen used to open the needle not treated in this way might be the cause of blood poisoning. After the fluid has run out of the powder or boracic an, some talcum be dusted on the part, which is men covered with a scorched rag, hancorners only and scorching by the extreme tightly. A little vaseline, not too used if there is nothing else at hand

Weeding the Pavement. Holland picture this time takes us the canal on the banks of the river Maes, not very far from Rotterdar North ${ }^{\text {river ea empties itself into the }}$ group of the dainomen weeders is typica of the dainty cleanliness of the Duti
life, indoors and out of doors. Between the
stones upon the land ing-place whereon car goes are discharged and passengers arrive, not certainly not a solitary weed, is to be suffered their roots have bee prodded out by the hardy fingers of the kneeling women, ther ess of sweeping procstray fragments, and away in a basket such slipshod makeshift into the cane rubbish entering into the minds the cleanly Dutch somewhat Note the building which mar a homely little church or even the town hall,
and you may be sure that the painter, G. H. risk his reputation for of sugar and two tahlespoonfuls of sult rolled into a hard bundle, in which should be used out of doors or by picture the by leaving ont of his tand until lukewarm, then add one cup- , precautions are taken instantly, the mable, and when no longer needed loves to smoke his pipe, and. three or four hours; stir it down every be prevented, but death may be the down the sink. Wrindow, and not it not in dath," his gossip with his
beaned chums. It is to one of these sum-

 wo weeks. Save one cupful of this thing in a room catches fire and ef he put upon the floor or within the . That was a terrible typographical
 a not safe. Many babies have been was it ? wh ' You referred to the helress
children on one train, our treasury showed a before the next day's children were ready, enough had come in or this need. The average cost per country is about $\$ 1.00$. This is very small, considering the cost of avel, which varies from the price ne hundred and sixty miles on of the ailway
The children are sent two and two oprevent homesickness, and may be weeks if desired. The Mission pays ailway fare both ways, asling only to Christian homes for the sake Him who has said: "Inasmuch as ye have done it unto one of the
least of these, My brethren, ye have done it unto Me." Think what this holiday may bring to some of them-perhaps an inspirawhich will bear good fruit throug willing to Some of you may b dren for a fortnight, or longer Others may help with their quarters and their mes. What a wonderful help this Mission would recelve if sent ten cents-who can calculate th big sum it would amount up to ? hope if you do help in either o
these ways-and surely you will-you will mention the "Advocate." so that I may be able to tell how much the Mission has been helped. I don't
belong to the Mission, being only a ell-wisher, so trray venture to as for financial help. The Secretary is Road, Toronto. The Treasurer is Chas. I. (Gordon, Dominion Ban

## The Blight of Pessimism.

## fiorts unproitable such

 make a business of looking for trouble of cultivating and coaxing it, and running to meet it. They find the thing fo which they look. No one ever looked for trouble without finding plenty of it This is because one can make trouble o
anything if the mind is set that way. It is said that, during the development o life, the men who always went rontie with pistols, revolvers and bowie knive always got into diffculties, while the men who never carried arms, but trusted tact, and humor, rarely had trouble Th incident that meant a shooting affray to the armed man was merely a joke to the more sensible unarmed man. It is just so with the seekers for ordinary trouble
By constantly holding discouraged, de By constantly holding discouraged, de
jected, melancholy, gloomy thought they make themselves receptive to all cheerful person would bo. What to cident, to be laughed at and dismissed from the mind, becomes, in the minds of the croakers, a thing of dire portent; an
occasion for unutterable gloom and foreoccaslon for unutterable gloom and fore
boding. Most unhappy people have become so b gradually forming a habit of unhappiness fault with their food, with crowded cars, and with disayreeable companions cars A habit of complaining, of criticising,
fault-finding, or grumbling over trifles, habit of looking for shadows, is a most in early life, for after a while the eliall in becomes a slave. All of the im. pulses become perverted, until the ten
dency to pessimism, to cynicism, is

## Siamese Women.

dress is regulated entirely by the day hivineek. In Siam every woman is with a parure of rubles is worn. Monday brings silver and white dress and a necklace of moonstones : Tuesday is dedicated to light red, with coral ornaments eranescay ; Thursday sees a display of varie. gated colors, with cat's eye : Frlday the lady is arrayed in pale blue, with flashing
diamonds, and Saturday is more somber

JUNE 22, 1904
Notes from Some Old-time Chronicles INWARD BOUND FROM HUDSON'S

THE FARMERS ADVOCATE.
misery of wet blankets and soaked
garments, which no camp fire could
adenuately dich ne garments, which no canip fire could time across the ice fields of Hudson's
adequately dry
get get the magniticent nilgh scever for-
gorgeous coloring of that mystery of
the northern skies, the Aurora
the ealis, which we could not only
see, but positively hear, or the tender see, but positively hear, or the tender
light of moon and stars above us
Memory Memory brings back the very roar of the thunder under the clifis of Grind-
stone Point, and the blinding flashes of lightining which at frequent inter-
vals threw out into vivid relief the band threw out into, vivid relief the
belves, weyageurs, who, with ourselves, were grouped for our nightly
prayer and song service around the prayer and song service around 'the
parson,' who occupied another boat
in our brigade in our brigade, on his way to the
mission field of lupert's Land. Ex-
cept for an occasional interchance cept for an occasional interchange of
mere exclamations or queries as our boats pass one another, we can hour
but little conversation during the day with conversation during the
ler, familiarly our fellow traveller, familiarly known on board ship as the quiet little parson. Yet, all
the same, we are glad of his comradeship when we are called upon to
tramp over the thirty-six portages tramp over the thirty-six portages
which lie between York Factory and the Red River Settlement, the most clinging mud, the devouring mosquito, the persistent sand fly, and, worse still, though less frequently,
the big bulldog fy, whose bite draws blood. Poor Mr. H. seems peculiar-
ly their victim. 'One has to drink one's tea by stratagem,' said he, one
day, as he tried to get a sip here and there between the onslaught of tinues the journal, " we are indebted for much of interest which we might
otherwise overlook. When the boat otherwise overlook, When the boat-
men are struggling from point to
point, either with point, either with their heavy loads
upon their backs, to the light rythmic tramp, tramp of their moc-
casined feet, or are singing and casined feet, or are singing and
shouting as they drag thir boat
overland, or, where possible overland, or where possible, up the
foaming rapids, Mr. H. explores for nature's treasures and makes discovery of points of beauty, to which
he pilots us. He shows us the dams bridged skilful beaver, waterfalls
that almost human intelligence. He scatters crumbs to draw more closely around us the ing ground, the whip-poor-will and
the comical little whiskey-jack. He has an ingenious interpretation even for the bull-frog chorus, which was unceasingly dinned in our ears, and, though he never killed either bird or
beast, he seems to have an instinct-
ive accuaintance with their hounts, The acquaintance with their haunts.' six portages, with their distances, a estimated by Lieutenant Moody o
the Royal Engineers, in 1846 , the Royal Engineers, in 1846, the
longest of them appearing to be that of Whitefall or Robertson's Portage and the shortest, the Little Beaver
Dam, to cross which, nevertheless Dam, to cross which, nevertheless lading of every boat of every brigade
before it could reach its goal of Norbefore it could reach its goal of Nor-
way House, in Lake Winnipeg, where portages ceased. It was on the
30 th of September, one month after leaving the shores of Hudson's Bay,
that we reached the outlaying parts of the Red River Settlement, and, later in the day, were welcomed as
the guests of Governor and Mrs. the guests of Governor and Mrs.
Coloile at Lower Fort Garry, or the Stone Fort as it was also called, un-
til the arrival of Bishop Anderson, who had himself most kindly ar-
ranged to take charge of us through ranged to take charge of us through
the last stages of our journey to the home and duties awaiting us.
And here I must fold away the pages of the old Journal, and in doing so
I should perhaps offer an apology for I should perhaps offer an apology for
having ventured to present to the
up-to-date readers of the ". Home up-to-date readers of the " Home
Magazine," such a musty old record.
"" what," of the prosperous and enlightened
present to do with that effete old past? In these days of steam and
electricity, of wireless telegraphy, of telephonic communication bridging thousands of miles of space, what is
it to us that the only highway to
 recollections! A flip of our moder fingers for your yellow old Journal!' there has been an acorn, waving corn-field its tiny seeds will certainly be denied to the plant
er of the acorn to sit under th er of the acorn to sit under the
shade of the grand oak tree, nor al seeds enjoy the pleasure
 not believe that some time, some
where, it may where, it may be given to them to
rejoice together? H. A. B.

The Value of a Laugh in China.
Ist, was one of the war correspondent In China during the Boxer rising. that country, he says in his book, "The Making of a Journalist "": My travels in China now seems to me the
most enjoyable journey I ever made but most enjoyable journey I ever made, but I mighty easils have boen mobbed several times and possalbyy killed. We rested at a village one day whlle our servants were
re-stocking our boat with provisions, and Mr. Weldon and I went ashoro. II took
with me a very stout walkng-stick, with me a very stout wallingg-stlck,
which was the only weapon I ever carried
out of the boter guns and plstols. I took the stick for frequent use
against dogs, but 1 wlll
not say and at this time that I did not suspect Chinamen as well.
The nelghborhood was disturbed by an anti-missionary movement, but of this we had not been warned. The monn of the
village followed and watched Mr. Weldon and me, but kept well apart from us un-
til at last we were in the thick of the til at last we were in the thlck of the
houses, and surrounded by the people. Then one of the head men boldly ad-
venced, backed up by a crowd ad touching my elick, made motions as if to ask if it was not intended for China-
men's heads. We were by thl men's heads. We wore by this time well
aware of our danger, but I dispelled tit "Ions. no," I replled, by means of motons; it is to hit dogs with
This idea I conveyed by snarling and barking, whilo I lappling and me. right and left, with my stlck. At the Chinamen laughed with me. They were all my friends from that Instant, and ing obliged to ropeat rered was from be
ing pantomimic ox plantlon over so many tlmes before Ift the place.

- Par above firearms as a protection high beyond any power that a white traveller can bring to hls ald in an emergency. A light hoart, a kindly bearing, er's way anywhere in China.



## WATCHES PURCHASED B Y MAIL.

The enormity of our stock, the carefulness of our watchmakers, together with the efficiency of our mail-order department, make the selection of a watch very easy. Many out-of-town customers order from our catalogue, others, stating the amount they wish expend, leave the selection to us.
Watches supplied in this way will leave our stores in good con dition, and if by any chance they are received in bad order the
If the selection does not meet turn of same we will refun re moneys paid.
D. R. Dingwall, Ltd. 424 and 584 MAII STREET, WIMIIPEG

YOUR FACE CURED
 PURIFIER is used. It makes the
skin olear, pure and
fine, and free from all
find
 treated at home by our remedies. Send loc.
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 FarmsWe have for asele a very large and complote
liot of selooted dairy farme, orohards,
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 Send for our pamphateo giving wenther
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The Settlers' Association, 322 Camble 8t.,
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FOR SALE FRUUT and DARY FARM



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TENOGRAPHY



THE FARMERS ADVOCATE.

 might wish, how many of us would not have the lamp of Alladin at our
ever think of asking for that homely beck and call, but we may all have, ever think of asking for that homely beck and call, but we may all have
old virtue of common sense, of which as a writer to our Corner recently
asid, "grit, grip and gumption Samuel Taylor Coleridge has said, and with these wre may accomplish
with much truth : " Common sense much. with much truth: "Common sense much.
in an uncommon degree is what the "Farmers Adrocate" office, Winni world calls wisdom." Not that this
faculty is the highest with faculty is the highest with which that in consideration of what it is and can do for us, it surely is an attribute well worthy of being Have you ever for
respect deepens for the how your you hear it said: 'He is a man of out-and-out common sense." - how you feel that here is one in whom
you might place confidence, to whom you might go for advice on occasion, feeling sure that you would come from him helped and encouraged? though probably the this one, aling man in the neighborhood, is a
power in it power in it, his example one to be followed, his words listened to in every important issue.
In short, you know In short, you know him to be one of
the sanest of the sane. used unadvisedly. The more been think of it, you know, the more you are tempted to believe that there among the sane, and that sanity majority of us are at times the great be tilted just a little from the philosophic calmness and serenity which are characteristic of absolute "fit " may come in the form of the bursts of unreasonable anger, periods of undue and foolish elation
or depression ; with another, the or depression; with another, the lack of balance may be due to the rowing trouble, or to the scarcely
less disastrous malady of overimpetuousness, which leads one to jump at conclusions and act upon deliberate and dispassionate thought. When you come to think of it, too,
does not the indolent man or woman does not the indolent man or woman
show lack of complete balance, likewise the jealous one, the extravagant one, the uncharitable one-and so it ponders upon it, the more desirable
does this seemingly unsentimental does this seemingly unsentimental,
hard-headed old faculty of common sense appear to be, for will not its full possession ensure to us a path through life at once more serene,
more prosperous and more useful it? the world endowed with the same degree of this desirable faculty. As
with greatness, so with common Some are born with it,
others achieve it by constant vigilance and practice, and other have it thrust upon them by reason of much
blundering or of much knocking ready to rub off angles. Experience
is a dear teacher, however, if an effective one, and the wise will not
wait altogether for its lessons.
Constant and one-sidedness, resolute adherence

$\qquad$

[^2]
## FARMERS

Why not save the enormous profits that are being made by the middlemen and buy your goods direct from the manufacturer?

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are now operating throughout Manitoba, opening branch stores in all thickly-settled districts, and will furnish you goods at wholesale

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## SMALL TIIRESHERS



The CENTRAL caNADA INSURANCE CO.
b Hall e manitoba.

Me 38rs. The Ogilvie Flour Mills Co., Winnipeg. Man. Lethbrilke, Alta., May 22nd, 1904




B. P. RICHARDSON BARRISTER, SOLICITOR,
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OUESTIONS AND ANSWERS.

CaRE of castrating instrumbnts.
Clean well with sonan




their live stock. I can also odd that it
has always given mo the greatest ant ic
 -. H. A. Acres, v. S., Yukon Torri
Davson,.




 a splendid specimen of the dratt horsex
and h has an un unbroken recortid tor popular ity in his districts. For four years ;
suceression he was premium horse in the




 Goodophin to the stranraer and ehins
ot falloway district for next season
The







 breaters ahve done well to seure him so
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cont and testimoniels except directyly from
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vited to call on the person whose name



A Woman's Sympathy.

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 for two words Nomes and addresses are | counted. Cash must always accompany the |
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[^3] QUESTIONS AND ANSWERS. Bursal enlargement. - Bull got
hurt in train

aspect of the hock.

Ans.-This is a bursal enlargememt, re-
sembling a thoroughin in a horse. Such
conder conditions are not considered serious in
cattle, and are usually left alone. quite probabere repated blistering will re-
duce it. Blister in the ordinary was duce it. Bister in the ordinary way,
so often described in these columns, once every month for several tumnes, once
Elimgements of this kind are very hard.
and tedions then SEROUS ABSCESS,-Filly has a purf,
the size of $a$ hen's egg, in the muscle, half way between the stifile and hock. It
was cuased by barbed-wire wound ; has
been present been present a aear, and blistering
not remove it.
It is is quite soft.
Ans.-This tumor contains a fuid,
either serum or pus, the former,
 of litule or no value. The tumor needs
to be cut into at the lowest part. the to be cut into at the lowest part, the
contents allowed to escape, and the
cavity an antiseptic, as a a five per-cent. solution
af carbolic acid until heer
ond
 Chronic cough CHRONIC COUGH.-Horse coughs fre
quently, and occastonally, especially in
the morning, breathes heavy, and holds head down, after a drive. Is in there any
danger of heaves? danger of heaves ?
Ans.-I am afraid it is already heaves If not, the cough may bo checked, end.
at aill events, the symptoms lesened by the following treatment: FFeed hay, excellent quality, in small quantities; als
grain of good quality in quantitites grain or good quality, in quantitities; pro
portionate to the amount of work ho performs; dampen all he eats with lime water. Give every morning the follow-
ing: Two drams solid extract Cona, one drams solid extract of bella
donna, powdered oplum, one dram gum camphor, and thirty grains powdered digitalis. Mix well, moisten
with oil of tar makin with oil of tar, make into a ball, and ad
minister; or it you cannot give and minister, or, it you cannot give a ball
mix with a pint of cold water, and drench.
mare vicious with foal. - Mare
took sick two hours after foaling, and
got vicious with four days, but refused to tave anything
 watching and teaching the mare, by the
use of a whip use of a haip, it necessary, that she
must not injury it; applying the twitch
wit when it requires more milk; removing the
foal when foal when the attendant has to leave, sired result. It requires onfitence do handling according to the pecculiar dis-
position position of the mare. I have known
good results follow the spraying of the foal with brandy, and rubbing the
mare, 's head,
nostrils, etc.,
with
the mare's head, nostris, etc., with the the
same. Some may consider thts quackery
Bargains for $\begin{gathered}\text { Here are some } \\ \text { sample }\end{gathered}$ Threshermen. $\begin{gathered}\text { Bample } \\ \text { Tanne or Mivers } \\ \text { Tank Pump }\end{gathered}$ virelined suction hose, 35 e each; best 2 inch




 Windsor Supply Co., Windsor, Ont


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 | Presese, New Hodel Harrow Carte Lawn |
| :---: |
| Swing, tec. Write tor Turther particulars to | The Western Implement Mfg Co, Itd, but

effect
ent Hclous at especially when the mare it it
the foal on cow have to mave to ralso calved cow, dilute the milk with an
equal quantity of water, and add a
and $\underset{\substack{\text { dessertspoontul } \\ \text { pint. }}}{\substack{\text { Feed often. }}}$


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IT IS ABSOLUTELY PURE and that is the only kind that is healthful.
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the MANITOBA FIRE ASSURANCE CO.
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and to put far more money in your pocket

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Ont., atd sold only by fnancially-responsibie and reliable local angenta. "Hints on Suatermake interested to khow mow mor about tree for the asking. NATIONAL, write for booklet,

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 nature's highest perfected work. With it man is
success: without it failure. Nearly all men have been fitted with a constitution fit to build such a structure upon, but through foolish dissipations live too fast these days. The search for imaginary pleasure, trying to squeeze the happiness of a lifepleasure, trying to squeeze the happiness of a life-
the into a few years, exhausts the strength, and they are wrecked in man's grandest ambition--
robust strength of brain and body. There are robust strength of brain and body. There are thousands of these weak, timid, puny men-half
men-who can be made perfect specimens of man-
hood when the grand element that has been drained hood when the grand element that has been drained
from their system is restored. This element is Electricity. We know there is no strength, no vitality, in fact, no life, without it. This restored. This element is
more natural remedy? Inect, can there be a Electricity say the same. I have the greatest invention for self-treatment by electricity the world years practice in
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fied in say two months, pay me my price-most cases as low as $\$ 4.00$. If not you the belt, and if you are well or satisthe C.O.D. shams advertised, as I send no faithfully carry out this offer, and trust you will not confound it with What would you not give to have your old vim back; to feel as you did a few years and eriergy ; the same gladsome, joyous, light-hearted spirit and the physical strength you used to have? You might as well have these blessings, for my offer must convince you what I feel I can do for you. I will give you the use of treatment-and advice gathered from the experience of nearly fow I am the father of the electric appliance system of that I am giving belts away ; but does mean you are not to pay one years' success in my line. But this does not mean tenfold the business and good I would were I trying to sell "a pig in a bag." It pays me and it By this method I do Course imitators imitate my goods (what good thing is not imitated?), but my great knowledge from long, successful This offer is especially to to my patients.
cele, etc.; but my belt also cures Rheumatism, Lame full of strength git on same terms. It is simply worn around the body while you sleep; in the morning General ill-health, Call or write to-day and let me assist you to heald hower you find it. once arrange to give you my melt on terms mentioned above, and two best little books ever written upon in in will at

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THE FARMERS ADVOCATE

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160 Clyde mares, all in foal.

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teams That foundation or h his barn was horseed
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 LIVINGSTON, PUGH \& HOADLEY GEO. HOADLEY, Okotoks, Alberta. HORSES: ©lydendalos bought and


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Wind-breaks
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Cottonwood, Elm, Ash, Maple, Buckthopn, Caragana, etc 3 cents by the 100.
Do you want 1000 plants free $?$ white for ontalogue.
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HORSES MARES to choose from.


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Clydesdala, Shire and HackneyHorses
bar room impration



[^5]JUNE 22, 1904

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LARGEST HERD OF galloway cattle 30 MrNat wit bet WILLIAM E. COCHRADE, Calley, Alberta. $\underset{\substack{\text { Hop } \\ \text { FAR } \\ \text { GAL }}}{ }$ GALLOWAYS
For saLE. is young bulla, from 12
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CLYDESDALES, SHORTHORNS, Yorkshires and B. P. Rocks.

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 Aamily. Une imported and four superior young home-bred bullis, ready for service, fit
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On JUNE Can JUNE 28th next, we sell at public AVTrion, in conjunction with other
Cows and heiderss, at the Sale Pavilion, Hamilton, ont., 15 of our imported and home bred WOS. W. BARNETT, Mgr., Rockland, Ont., Can

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ABSOLUTELY PURE WOOLEN GOODS.
The best wool market in the West. highest price or aend armplea br mall high pire

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Write us to-day for catalogue. The De Laval Separator Co, 248 McDermot Avenue, Iontreal. Toronto, New York, Chica
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if they cannot get $\$ 75$ to $\$ 100$ apiece for
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 cartuncles, etc., Hardily any disease in
so
timette understood, and at at the same
time time so insidious and dangerous as bion
betes, which, according to the mighest
 Whent treated in time, It in trested,
wirite to the Diabetic Institutue, st. Dunstan's Hill, London E. C., tor trie in
formation

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Trave members of the western Imin
eroutact
 they will now be pleased to receive interested in the success of Western
manufacturing. large number of ney have added a
present present popular ones, and intend manu-
facturing portable grain elevators, fan-
ning mills, combing ning mills, combination hay, grainn and
stock racks, truck wagons, etc. They
have also
$\qquad$ them should take the Fark Line car to
Fort Rouge, and ask to be "let off at
the Woestern Ime the Western Implement Co.'s building,
which is situated between the C. N. F.
and the Red River, on Jessie St. John Ramsey, of Priddis, Alta chased in Ontario, not long ago, four-
young hulls and one cow. Trout Creek
Marquis $=51363-$ Marquis $=51363=$, got by Spicy Mar-
quis (imp.), dam Flora Lee, by Western
Roy is quis (imp.), dam Flora Lee, by Western
Boy, is one of them. He is a very
thick, smoothly-turned roan bull, a good
handity handler, with furl, long, level quarters.
Spicy Marquis (imp.) belongs to the
(ind Uppermill Maude family. In 1901, he
won first at London, and first and
senior champion at Toronto in 1902 and senior champion at Toronto in first and
1902 and
He was bred by Marr, and sired
by Spicy Rohin $(69638$, Comer Spicy, the pick of Deane Willicis' 1895
calves, realizing at twelve months old
250 guinen 250 guineas. Spicy Marquis is out of at Sittyton, used at Uppermill, and aret
by Cumberland. The owner's intention
is to sell his present stock bull, Loyalty imp.), and put Trout Creek Marquis in
his place. Lovalty is a thick large
red sire. Our readers pwill have an ancellent
tunity shortly of seecing his photo appear
in our columns, with ing
Cap
Robs
Robs
Vang
$\qquad$
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## A BAD CASE

## KIDNEY TROUBLE

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## DOANS KIDNEY PILLS,

Ridney Troubles, no matter of what be quickly and permanently disease, can use of these wonderful pills. Mr J. Leland, Alma, N.W.T., recommends then says:-I was trouble sufferers, when he aches, had frightful with dull head pains in my legs and a frequent desire to urinate. Noticing DOAN'S KIDNE PILLS recommended for just such annoy them a trial, so I procured a to give them, and was very much surprised at the effectual cure they made. I take great deal of pleasure in recommending Price 50c. per box, or 3 for $\$ 1.25$; all Toronto, Ont.

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MOUIT FARM BERRSHIRES
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PAIRS SUPPLIED NOT AKIN
Inspection requested, and corregpondence invite
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MAPLE LODGE PERKSHIRES
 a few good yoing boars readv for service and
fine sows real Ane sows ready to breed. Spring pigs have
come strong, and we can supply pairs not akin WILLIA Mir WILSON, Box 191, Brampton, Ont

BERKSHIRE $\begin{gathered}\text { Rwine } \\ \text { Ranch, } \\ \text { and } \\ \text { Minnedosa, } \\ \text { Shorthorns. } \\ \text { Berkehire }\end{gathered}$ The



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[^1]:    cendily obserped in the sample

[^2]:    about us,

[^3]:    In answering any advertisement on this page, kindly mention the FARMER'S ADVOCA 篡

[^4]:    In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATEE

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    Don't mise the chance to get a grand cow or heifer, in calf to the 81,200 Soottish Beau
    (imp trom the herd that has produced more champions and won more herd prizes than any
    other to
    

