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TERRITORIAL INSTITUTE MEETINGS LIVE-STOCK JUDGING SCHOOLS

Dack Lake-Marco


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 Areola-March ${ }^{\text {9 }}$. ${ }^{\text {Dundurn-March } 9 \text {. }}$
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North Portal-March 13 Olds-March 13.
Tantallon-March 13.
 Moovamin-March 14 and 15 . Carnduff-March 15 and 16 . Whitewood-March 16.
Yellowgrass
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 Wetaskiwin-Maroh 24 and 25 .
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Brood view-Marorh h1. 3 . mals will be used at the morning and afterncon masis whs to demonstrate deeirable and unde
serion
sirable sirable conformations. Score cards will be
uneel to teanoh the value of the diferent por tions of the animal. ALBERTA-Mesers. McCrae, Cottrelle, Mit PRINCE A ALBERT. AND SOO LINES Messra Anderan, Bell and Wilan.
MAIN LINE, MOOSE JAW TO BROAD Murray BRANCH AND MAIN LINE,
YORKTON BNA
MOOSOMIN TO RRROADVIIWW-Messrs Ketchen and Murray.
ARCOLA AND ESTEVAN LINES-Me ArCoLA AND ESTEVAN LINES-Messrs R. O. HONEYMAN,
cultuty Commalisioner
culture, Regina, N.W. T. Department of Aqriculture, Regina, N..W. T.,
February 14, 1905.

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| RARMERS ADVOCATE <br>  MARCH 8, 1905. LONDON, ONT <br> Editorial. <br> The Manitoba Experimental Farm and Live Stock. The Manitoba Live-stock Breeders' Con Live Stock <br> vention. <br> To Assist in Controlling Weeds. $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ |
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the Farmer's Advocate and Home Magazine. the Leading agricultural journal in manitoba AND N.-W. T.

Waltar E. Gunk, Bubinges manabia, F. S. Jacobs, B. S. A., ABsociats Editor. Orfics:
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London, W. C., England.
THE FARMER'S $\qquad$
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## Forses.

How Draft-horse Breeding is Handicapped.


## Horse-breeders' Convention.

 The annual meeting of the Manitoba HorseTuesday, February 21st, with the President, Mr. nual address, Mr. Fraser said he was delighted to see so many manifesting an interest in horses by attending the judging classes during convention week, but regretted that more of the younger this means of acquiring the power of knowledge He also deplored the continued practice by dealers of syndicating inferior stallions for very longprices. The secretary, Mr. Geo. H. Greig, read the minutes of the last meeting, after which Mr .
Andrew Graham asked if there was no explana tion of the fact that the proccedings of last year's convention were not published. The Deputy Min ister of Agricumat Black, promised
look into the
At a meeting of
prize list, rules and regulations in April, the Dominion Fair, held at Winnipeg, were very carefully revised, and many amendments to the rules, and additions to the prize list throughout the
horse department were recommended, special phasis being laid upon the importance of offering large prizes in the class for Clydesdales. The use of silk ribbons in place of the old cards was also urged,
and the Association's silk rosettes wera champion prizes in the pure-bred classes. The judges of all the horse classes at the Dominion Association, as was also the heavy-horse judge
at Brandon. The sale barn, of which there was some promise


Stephen Benson, Neepawa, Man.

## President Manitoba Horse-breeders' Association for 1903

12. having completed a very suitable the (G. P 0 by 170 feet, with a vecommodation for 78 head
horses or cattle and amphitheatre style. This building is located at the west end of the stock-yards, and has been
placed at the disposal of the live-stock associaions. Members of the executive visited the build
ing at the time of the meetine lact the advisability of using it for winter mer, and was fully discussed, but it was finally decided that until the street car line is extended, that locality is too distant for other purposes than sales. Thi.
question of holding a spring stallion show wals mooted, but no action was taken upon it.
Dr. S. J. Thompson, as representative of Horse-breeders' Association to the Winnipeg Fair reported a large and satisfactory show, despite
the fact that much work had to be done to get the ground in shape. He particularly urged up-
on the convention the necessity of having racing horses stabled apart from the breeding
classes, on account classes, on account of the character of the stable-
men who follow the raceng stables men who follow the racing stables. Mr. Hemry
Nichol, representative at Brandon Fair, and other representatives supported this surgection ather representatives supported this suggestion. A com-
mittee was limall. appointed to frame- a resolu-
tion to be presented to the Winnipeq Fair Thoard

## regarding the allocation of tanmpreand he the rrovid

$\qquad$

McGilvray, of Binscarth; endorsed the idea of th revision of the studbookis, and urged the inspec Stenart soundness of all stallions. Mr. G. N Stephen Benson, of Neepawa, although but Mr ing compulsory enrollment, thought farmers and breeders should inspect the stallions themselve for soundness. ., Dr. Advocate, Hopkins, of the "Farm reconciled, and a middle course pursued, provid ing for the enrollment of all stallions, and the inspection of those coming in duty free.
The attention of the Association having beet The attention of the Association having been
drawn to the resignation of Mr. Heubach from th management of the Winnipeg Exhibition, the con antion passed a resolution expressing its regret half of the horsemen
The election of officers for the following year
resulted as follows : President resulted as follows: President, Stephen Benson,
Neepawa: Vice-president, W. G. Woshinston Ninga. Representatives of Breeds-Clydes Graham, Pomeroy; Shires, J. J. Whiteman Boissevain ; Percherons, Lowe, Killarney ; Hack Stephenson Carmart, Thorouchbreds A I T Power, Carberry; Standard-bred , 1. M Winnipeg; Suffolk Punch, Graham Galbraith Brandon. Representative to Winnipeg Fair don Fair Boar. J. Thompson, Winnipeg; Branto other fair boards to be appointed by the

## The Functions of the Pastern.

from the side. It is made up of the long or pastern bone, articulating at its upper end with fetlock joint, the smaller pastern bone bearing or fetlock joint, the smaller pastern bone bearing on
this at its upper end and below with the coffinbone enclosed in the hoof, and should stand at an angle of 45 degrees with the ground surface
of the foot. It is plain to be of the foot. It is plain to be seen-and all exsloping of the pastern in conjunction with thi cushion structure of the frog is the main dependence of the horse from all jars in movement and
concussion of the joints of the feet and legs to prevent founder and navicular troubles. The of ligaments and tendons, and when placed at the proper angle greatly relieve the bones of the loot from severe concussion, irritation, and pos-
sible inflanmation, as well as relieving the tive frog from injury by reason of such susselt sion at that angle. Ringbones, sidebones, and ioint troubles are generally associated, with
straight pasterns. Horses with spring straight pasterns. Horses with springy pasterns
have more freedom of action in their better walkers, smoother trotters and pacers, and the springy pasterns are indispensable to the easy riding horse. The pasterns should be of medium length in draft horses, but this essential springing down of the pasterns at every step, or in
pulling heavy loads, is of great importance in
their lasting their lasting qualities or for breeding purposes The straight-pasterned colt will come more so as he advances in age and use. Straight pasterns
bring the greater jar or concussion within the bones of the foot, and thereby have the greater
effect on the coronary and navicular bony tissues.-[Farmer and Stock-breeder.

## Stock.

## Mexican Cattle

Mr. W. R. Hull, of Calgary, has had a long cattle trade of the West. In reviewing and the past, and the outlook for the future, he considers into this country cannot but prove disast cattle ereat cattle industry of this Western land and In Canada, not only in large.
$\qquad$ Weishe looking forward to Alberta and the situated so favorably regarding it groting cattlo of breedind climate conditions, saw the necessit amounts of the very best, and have invested large strains of pure-bred in importing the choicest beef the choicest herds in the Old Country, and turned order to improve the ranches in many cases, our rich prairies, and provecing a grade stock of West cautle of quality, would compete with ( world-wide reputation for producinge the give us Great rangers, light and active cotle, while thes ar good rustlers, adapting themsely foot, and als 1o our climatic conditions, they are very readily
and other countries, if we expect to make ou day is that by importing those cattle, and turning them loose on our prairies, we have become
overstocked with a class oi cattle unfit for the export trade, and so are confined to our own xport trade, and so are condere duction of butchers' beef, ruinously low in price, and a limited demand. Our ranchers are compelled to sell at a serious loss, as they are unable
to unload their surplus stock, and in the end have o accept a small price, such as the local buyers are warranted in paying for their home trade. If these cattle were of a better class, they could always be exported at fair prices. Our ranchers would find a ready market at all times for their
surplus stock in a finished condition, and relieve themselves in many cases of financial obligations, which they are unable to meet promptly, and
which, in the 'end, possibly results in sad disaster

Scale of Points of a Typical Galloway.
The following is the scale of points of a typical
ialloway, as drawn up by the Board of Directors f the American Galloway Breeders' Association, December 2nd, 1904, which will be submitted for adoption thereof at the next annual meeting, 1905. This scale of points is based on the
original scale of points drawn up by the Council original scale of points drawn up by the Council
of the Galloway Cattle Society of Great Britain, of the Galloway
Color-Black, or black with a brownish tinge. Head.-Short and wide, forehead broad, cro wide and oval, not rising to a point. Any
trace of scurs or horns debars an animal from registration.
ye.-Large and prominent.
Ear.-Moderate in length and broad, pointing forward and upward, with fringe of long hairs. ck.-Short, clean, and filling into the shoulder in such a manner as to make the neck and shoulder of fleshy animals appear moulded as
one piece. The top of the neck in line with the back in a female, and in a male gradually rising with age.
Body--Deep, wide, well rounded, moderate in length, and symmetrical.
houlders.-Broad, but well laid into body, joining smoothly; compact and deeply fleshed on
top. making width of shoulders and body at ribs uniform.
rook-bones. -N .

## not visible.

fleshed
finte in length, wide and deeply Hind Quarters.-Long, wide and well filled Rump.-Straight, wide, carrying width
out uniformly ; well filled with flesh Thighs.-Broad as viewed from side, thick a
viewed from behind ; straight and well let vewed from behind; straight and well let
down at hock rounded buttocks very ol)
jectionable jectionable.
Tegs.-Short and clean, with fine bone
Tail -Straight and smoothly laid in with flech at sides. A high tail-head very objectionable. Skin.-Mellow and moderate in thickness.
Hair--Soft and wavy, with mossy undercoat.
Harsh or wiry hair is very objectionable.

Harsh or wiry hair is very objectionable points to be Avoided. Mr. James Biggar, ". The Grange," Dalbeattie, Scotland, who was judge of fat classes at the
1902 International Live-stock Exposition, Chicago, prepared the following list of "Points To
Be Avoided" for Mc'rae's History of Galloways Be Avoided " for Mc'rae's History of Galloways
twenty years ago. With very slight revision, twenty years ago. With very slight revision,
they are as pertinent to-day as the day they were

> 1st-Long, narrow head, with light crown.
2nd-Narrow, tapering muzzle. 3 rd-Long, drooping ears.
4 th-Small, deep-set eyes.
> 5th-Small, deep-set eyes
> 6th-Light, scraggy breast.
> 7th-High, narrow shoulders.
8th-Flatness behind shoulders
9 th-I
> 10th-Square and prominent $h$
> 11 th -High or drooping rumps.
> 12 th-Weak or slack loins.
13 th-Rounded buttocks.
> 13 th-Rounded buttocks.
14 th-Fleshy double thighs.
> 15 th -Big, coarse bones.
> 16th-Tig, coarse bones.
17 th-Hard, stiff skin.
wiry hair without

## It's Good Fare



## Registration Standards.

 agricultural press in recent years regarding the standard of registration for pure-bred stock in ly those for Shorthorn cattle. The standard the English herdbook for that breed admits to registry approved animals having five crosses by pure-bred registered sires of the same breed. This rule has been a standing one since the establish-
ment of the herdbook, and causes no serious complaint in the country which is the home of the brced. The editing committee of the Shorthorn Association, we understand, receives evidence and passes judgment upon applications for the admis-
sion of foundation stock for new families, but we are informed there have been very few such applications in recent years, and that abuses of the privilege have been exceedingly rare. An equally
iiberal standard obtains in the conduct of other liberal standard obtains in the conduct of other
pedigree records in Great Britain, notably those pedigree records in Great Britain, notably those
for the heavy draft breed of horses. Many imfor the heavy draft breed of horses. Many im-
ported and registered Clydesaales show three crosses only, but are admitted without question
by breeders, many of whom are also interested in Shorthorns. When the first
Canadian Shorthorn Herdbook was insti tuted, the standard was made uniform with that of the English herdbook, and there was little cause for complaint of the admission of inferior
animals with short pedigrees, but the United States boing our best market for that class of stock, and their herdbook being at that time of a somewhat higher standard in some respects, a new record association, namely, the British
by Canadian breeders, and a new herdbook
ly twenty years ago, it would appear: to be
a reasonable proposition to advance the line of a reasonable proposition to advance the line of
demarkation by ten or fifteen volumes, or as many years, which we verily believe might be done to the great advantage of the breed and the case stands at present this country. As the States breeders in purchasing Shorthorns in Great Britain for importation have to pass by some of the best animals, some that have been winners at the Royal and other leading shows, because they have ancestry on record previous to 1874 . There are animals of this class in some of the most
noted herds in England and Scotland, and they are among the very best individuals in those and America firmly believe that the in Britain English herdbook, admitting new blood through the well safeguarded channel of short-pedigreed sires or dams, has a saving influence on the close or consanguineous breeding, imparting virility and maintaining the constitutional vigor of the stock. If the effect of this liberal regulation has proved satisafactory to British breeders, to whom improve the character for the vigor and we not place ourselves in a position to share in their best by modifying our rgistration rules to The extent of admitting these to our herdbook. The only objection we hate heard advanced is
that until or unless the directors of the aneric herdbook modify their rules to the same effect and extent, American breeders would not buy cattle having in their veins the blood of this class, for American herdbook. The question register in the
 breeders to decide is
whether they shall lead or follow in this matter, whether they shall wait
the pleasure of the clos the pleasure of the close
corporation governing the
American herdbook, which taxes its own patrons by imposing a one-hundredmals imported from on ani 13ritain, and circumscribes their field for selection of
seed stock by antiquated whether we shall go our
own way, building up our stock to a high standard
of individuna of individual excellence
on intelligent lines of on intelligent lines of
breeding. It is reasonably certain that in the
future, as in the past United States breeders
will look to Canada for will look to Canada for
fresh blood and vigorous
seed stock to renew the constitutional sturdiness
of their cattle, which ullder their system of
feeding so freely with Marcellus (11110)
heating com, are burnt
out and constantly de out and constantly de-
generating. The history
 founded, the standard of which admitted only cates that but for the fresh blood brought in from animals tracing in all lines to animals 13 ritain and Canada they would make but a sorry
imported imported from Great Britain. This rul- show in these lines. a . ing proved a great hardship and loss to the belief that by adopting the advanced registramany breeders who then had excellent stock hav ing a cross of one or more of the short-pedigree
sires, in some cases practically wiping a whole herd from the record, and placing them on a par with grades in selling value. This action proved
to be much more drastic in its effect than its pro motors anticipated, proving disastrous to many breeders, and, in fact, antailing an injustice which probably would not have been inflicted had its final effect bcen fully foreseen. The standard
at that time adopted was really higher than that at that time adopter was really higher than that
of the American herdbook, the pedigrees of some cattle in that book being ineligible to the Canatian lecord. And while the two books to-day have practically an identical standard for new registrations, there are yet pedigrees on record in
the American book that are barred from the Cana dian, owing to their origin, and the Canadian record now has really the highest standard of any on either side of the sea.
A rule of both the Canadian and American herdbooks is that no recordod animals in the
English herdbook that have not ancestors on record, or eligible to record, previous to Volume 21 of the E. H. B. will be admitted to registry in these records. Volume 21 of the English herd-
book was published in 1874, thirty years ago, book was published in 1874, thirty years ago,
and there are now fifty volumes in print. Why the line has been drawn at Volume 21, or the
year 1874, does not appear clear to the casual observer, but, assuming that this rule was considered safe and satisfactory to the directorate
of the . Shorthorn Breeders' Associations at the of the Shorthorn Breeders' Associations at the
time it was adopted, which must have been near-
show-rings clearly indithe belief that by adopting the advanced registra-
tion rules indicated Canadian breeders would make a forward movement in their own interest, and that it would be only a question of time when
United States breeders of Shorthorns would rise in their might and shake off the incubus in the shape of a herdbook directorate which holds its position by the possession of proxies, and fails to
fairly represent the rank and file of the breeders

Shorthorn Breeders in Manitoba Dis cuss Breed Problems.
 ciations' meetings, at the call of livestock asso director representing Shorthorns in the Cattle-
breeder tioned in his letter, which was published in the issue of February 22 nd . There were present be-
tween fiity and sixty breeders of the rods, whitos and roans, the following shorthorne reds, white and roans, the following Shorthorn enthsiasts be-
ing noticed: J. G. Barron, Stephen Henson, 12.
C. Henders, Wm. Ryan, S. Finglish, W. S. Lister C. Henders, Wm. Ryan, S. English, W. S. Lister
Walter James, Jno. Graham, Andrew Graham, A Dr. J. Gakutherford, Less Forpuson, A. Ayearst many others, including many now begimers in
the breeding of Shorthorns. The discussions were animatorl, "specially with reference to the apportionment of grants to show:
by the Dominion Shorthorn dircetorate Much
light was thrown
 the D. S. H. B. A. was cut and dried, Manitobe had no voice in the election. Mr. Ben-
son thought that if Brandon was to have a share of the grant, Neepawa and Killarnev were equally entitled to such. Some of those present desired tion, which the majority thought unnecessary a present in view of the resolution which was passed unanimously re nationalizing the records of Shorthorns, as follows:
" Resolved that in the opinion of this meet
ing of Shorthorn breeders of Manitoba it is ing of Shorthorn breeders of Manitoba, it is ab-
solutely essential to the future welfare of the insolutely essential to the future welfare of the in-
terests of the breed in Canada that the Dominion Shorthorn Breeders' Association should be
nationalized, and that the head office be moved to Ottawa. And further, be it resolved that if the con trolling body of that Association refuse to
nationalize the Shorthorn records, that a meating nationalize the Shorthorn records, that a meeting
be convened at the earliest possible date representatives of Shorthorn breeders of th Northwest Territories, British Columbia and Manitoba, with a view to organizing a national Act governing live-stock records.," Another important resolution passed by the
meeting was introduced by br. A. G. Hopkins, meeting was introduced by br. and seconded
was as follows
Whereas it is yearly becoming increasingly evident that top
getting harder to bulls of the Shorthorn breed ari ers as the Argentine mention and such opulent buy ers as the Argentine men and titled Englishmen
still further limits the choice of high-class bulls in Great Britain by Canadians wishing to intro duce fresh blood; and
to-day, including of the best British Shorthorns
and females, are ineligible under uncrs, both male and females, are ineligible under our herdbook
restrictions to be used in Canadian herds. " Whereas all students of the laws of breeding
of improved live stock are of one opinion, viz. of improved live stock are of one opinion, viz,
that it is not wise to narrow the stream of improved blood;
$\qquad$ horn Breeders of Manitoba, respectfully suggest Breeders Asse upon the Dominion Shorthorn ant barri
 our Canadians shorthorn herds by changing in requirements of the rule that all British Short-
horns shall trace to Vol. 20 Vol. 30 Coates', and that five or ten years hen
the mark shall be Volume so, or 40 Coates, an
so on, similarly at set periods, depending whethe

Cattlemen in Convention. organization reprisenting the intersests of all hreeds of
cattle, held its fourtcenth amnual meeting in the wat
cooms of the Cockshutt plow Co. Winnipeg, on the evening of the 21 st, ultimn. The President, Mr. Sames
Yule, Selkirk, occupled the chair, lut refrained from making a formal address,
business to be transacted business to be transucted in the time availatle. It Mantined in the death , Manitou, and ass
passed and sent passed and sent
subsequently don

## abequal dene, the resolution being nueved bis

 G. N. Stewart,standing vote.


Jno. G. Ba rron, Carberry

## Best Age for Economical Gains

nental Farm, who, at the Maritime Winter Fair Trad on the platiorm with him two animals, on a six-year-old ox, the other a yearling steer, said
F'irst, look at the steer's face. We want a broad face, not too long, with a mild, large eye; a large muzzle. All good feeding steers have short, thick tion, for he must a steer with a good constitu to make a rapid growth. To quantities of foo an abundance of heart room is essential, show hy his thickness and depth. This also gives room lor the organs of digestion behind the heart and
lungs. He compared the conformation lungs. He compared the conformation of the two choulder and high back; the yearling, with great "idth of shoulder, top ; and back, and fulness of oin. The development of the hind quarters straight and not a rounding ham and width, (1)-set steer will flesh much more cheaply thick, the rangy steer. From one year to two and half years is the ideal age for feeding for beef. The relative cost of a pound of gain is as folFrom birth to six months...... 2 cents per it One yonths one year.. hich coures into dhem to transport to the West stom
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$\qquad$
$\qquad$

MARCH 8, 1905


Smithfield Block Test.
Continuing its reports on the carcases of cattle cxhibited at Smithfield, the London,
Shorthorn heifer, Fragrance, first prize in class (first at Birmingham); bred and exhibited by 1 His Majesty the King; age, 2 years 9 month 21 days; live weight, 14 cwt. 2 qrs. 1 lb. average daily gain of live weight, 1.59 lbs . weight of dressed carcass, 1,160 libs. ; Shorthorn heifer, Jewel, winner of the cham pion plate as best beast in the show; exhibite by Earl Rosebery, and bred by Johi hoss, age 2 qrs. 18 lbs . ; average daily gain of live weight 1.76 lbs ; weight of dressed carcass, 1.194 percentage orn steer, reserve and highly commended in class; ${ }^{\text {bred and }}$ exhibited by
John Ross; age, 23 months 8 days; live weight, $11 \mathrm{cwt} .3 \mathrm{qrs}$.5 lbs ; a erage daily gain
of live weight, 1.88 lbs.; weight of dressed car of live weight, 1.88 loss.; welght or 912 lbs. ; percentage of carcass to gross live weight, 69.03.
Hereford heifer, Rosalie, first prize in class (first at Birmingham1); bred and exnionted by
His Majesty the King: age, 2 years 10 month 3 weeks;
3 average weight daily gain of weight of dressed carcas
of carcass to gross live weight lbs.; percentage Aberdeen-Angus steer, Danesfield Cay Knight, 2 years 11 months 23 days; live weight, 15 cwt. 3 qrs.; $\begin{gathered}\text { average daily gain of live weight, } \\ 1.63 \mathrm{lbs} . ;\end{gathered} \quad \begin{aligned} & \text { weight of } \\ & \text { dressed carcass, } \\ & 1,200\end{aligned}$ 1.63 lbs ; weight of dressed carcass, 1,200 68.02. Aberdeen-Angus heifer, Vintage of Glamis, first prize in class, winner of the breed cup, reserve
for champion plate, and also reserve number for mo best heifer in the shoint, 15 days ; live weight, 15 cwt. 3 grs. 26 los.; average daily gain of live weight, 1.71
lbs.; weight of dressed carcass, $1,196 \mathrm{lls}$. .; percentage of carcass to gross live weight, 66.81 .
Cross-bred (Shorthorn-Aberdeen-Angus) steer, Sandy; age, 13 months 21 days; live weight,
12 cwt. 23 lbs.; daily gain of live weight, 1.92
 Cross-bred (Aberdeen-Angus-Shorthorn) steer,
Danusfield Max $1 V$., reserve and highly commend ed in class; age, 2 years 10 months 28 days, dave weight, 16 curt. ${ }^{2}$, drs. 18 lmo . weight of cass to gross live weight, 63.99
Cross-bred (Shorthorn-A berdeen-A ngus-Shorthorn) heifer, Ladas; age, 2 years 11 months 28 days; live weight, 14 cwt . 2 lbs.: $\begin{gathered}\text { average } \\ \text { daily gain of live weight, } 1.44 \text { lus.; weight of }\end{gathered}$ daaily gain of live weight, 1.44 pers.
dressed carcass. 1,016 lbs.;
cass of carcass to gross live weight, 64.72.
Cross-bred (Aberdeen-Angus-Shorthorn mixed class ; age, 2 years 11 months ; live weight, cwt. 2 qrs. 15 lbs. \& average daily gain of live
weight, 1.75 lhs.; weight of dressed carcass, 1,268 ibs.; percentage of carcass to gross live weight
(68.06. Cross - bred (Shorthorn-Shorthorn - Aberdeen
Angus) heifer, Princess, commended in class age, 2 years 11 months 6 days, live weight. 1 .
ewt. 1 tr. $27 \mathrm{bs} . ;$ average daily gain of live
weight, 1.63 lbs ; weight of dressed carcass weight, 1.63
1.174 its.
wionht 67.66 $\qquad$

To Mark the Meat.


Herdwick Ram.
,e perfectly black, with the exception of a little white on the tips of the ears, and, perhaps, a few white hairs around the feet. These white
hairs gradually increase so that at six months old one-half the ear will be hoar-frosted, and there will be distinct bands of the same round the feet and muzzle. This change of color goes on until some at the age of three years are pes Hortys inite, while others remain a steel gray. are much preferred. There is still a class for this breed in the prize list of the Royal Agricul-


Farm.
Growing Alfalfa.

 iven 1 nomatem
 ATher havine srown altalian onn our farnun


 In the light of thuse facts. I would suggest to
any in this district who are contemplating trying some alfalfa, where it camot be irrigated, that
they make their tesis on a small scale, so that they make their lests on a small scale, so that
in case of failure they will not feel their outlay. Iethbridge. N. It FAlRFIELD.
INOTF.-Clover seods are advertised in our columms by good, recliable thrms. but in clean,
plump seed could be had int the neighborhood of lethbridge, or could he got from districts where conditions are similar, it would probably be just
as satisiatory. We are not aware of any special
ifoight antus om

## Make Sure the Seed Will Grow.

 Pointment ing again, there is likely to be disap taken of the expericurce of of immerss advantage and more secure that which is capatile of making strong healthy growth. of courste, oljection is made co poossibilitity seed at a hiyh price where there is a out equally us well as that costiny twice as much sutt does it not also seem bad perlicy to take the penditure pendinte of twenty cents or myy cents an acro steding time may mean the difference between at Food crop and a failure at harvest, and even if ammest certain to bee some diflerernce in y ield, and
there is always the satisfaction or kinowing, that the poor crop, if such it happens to be, is no
dhe to one of the factors that are controllable.
it must be admitted that seed as pood as that which is wanted is not at times eesily impossible to sote a perfect sample of some of our seeds. Where a gomme efort is in geting a fairly satisifactory quality, At any visal, satisfactorily. fi only seventy-livere of growing satistactorily, but that produces a a goodl growth, the apTow. Where the porcontape of prow power is much hess than this, it is "sually sare to regard th ciery little trouble. Ao special apparatus is and cover them from ommequation to onc-half inch all went into the wimter in al vigorous comdition a rather imdifieront stand was somond. This is on got an gooll stand, and his would hot hanc
 cimbore did is much casiom moted than when it is made by



At the Round-up Tine-Roping and Branding at Two Per Minure.


Pointers on Seeding Grass in Alberta.


## Plan of a Compact Farmhouse.

## Sir, Editor enclose the plan of my house Which was built the summer of 1902. W,

 furnished all stone, and did hauling, alsohauled all brick and lumber, anll supplied hauled all brick and lumber, and supplied
and hauled all sand and lime. The stone and hauled all sand and lime. The stone-
work is a two-foot wall throughout, seven and a half feet high, and three and a half feet above ground. All face stone above ground is cut sandwith raised coint mortar, and pointed neatly with raised pointing. All brickwork, except half-round bead belts are finished with mortar, and which has a handsome appearance. The chimneys are panelled and pointed with marble dust. The The roof is covered with British Columbin shingles, and all gables of house with cut shingle The cellar is lighted by three windows, hung with hinges, locked with snap locks. The windows in front elevation are plate-glass bottoms and leaded ransoms above; all other windows are doublethickness glass below, and colored muffled-glass
transoms. The balcony on second with galvanized iron, nailed and soldered joints, which makes a durable job. In the interior, on first flat, the kitchen, pantry and hall
floors are hard maple; oil finish. All other noors are hard maple; oil finish. All other
woodwork is pure white pine, with oil finish
also which also, which we consider makes a good finish. The
first flat can be converted into one room by opening sliding doors between hall and parlor, al-
so sliding doors between dining-room and kitchef. the opening between parlor and dining-room beare hung with ball-bearing hangers, which give perfect satisfaction. The stairs are solid oak
throughout, with throughout, with the exception of the treads, finished in oil. The sink in kitchen is a white, enamelled pan, adjusted on two iron brackets fastened to wall. The force pump is supported by a two-inch plank, ten inches wide, at end of does away with all that woodwork which is in connection with closed sinks. With our sink force-pump we supply bathroom, by way of tank
in attic. All waste water from bathroom, sink, overflow of cistern, is carriied into the cellar to
one main five-inch tile under ccinctint is continued out underground about twenty rods emptying into a creek, where it is reactily carried
away. This way of handling waste water we
have proved satisfactory, as there is no bad od nace ; four hot-air our house with a coal fl floor at equal distances from furnace, one large register in hall heating rooms upstairs. I might just say that bedrooms are all ventilated by means of fanlights over doors. I think there is all.
JOEL S. WEBB.


The Agricultural Meeting.
 discussions on cereals and fodder plants at the Supt. Bedford related experiences on and Murray. Farm with feed grains, and advised the Brandol of more peas on Manitoba farms, recommending the smallee varieties of peas, to be sown thickly oats per acre, and two to two and one-half binder. He reported yields at the Farmith the popplar soup standby cereal as high as 85 all other kinds for pig bedding. In oats, the Tartarian varieties. The great source of troub) in the country was to get pure oat seed, free of
wild oats. Oats, both wild and cultiontal found in doubles or triples, and while the warge sucker mouth, its smaller companion and an open Oats, peas and barley deteriorated in Maniin the season, people conty, because planted so lat tong as they dared. Mensury was the heaviest yielder of the bar six-rowed, and was four days ahead of the two-
mowed varieties. Two-rowed barch had not been
a success at the Farm after the first thint
gave them grain Which won at the Colonial Ex hibition. Wm. Wallace, Niverville, Man., gre the Old Country market, but the freight rendere it unprofitable. He sold barley at the sam price, on the same day and market, in Grea Britain, as obtained for No, 1 hard wheat. Mr
Bedford recommended Rennie's Improved six-rown barley, and spoke of the tile drain at the farm
but said never lay tile after 5 p . m. in Manitoba as the sun's reflection prevented accurate sightin and levelling.
This experience of Mr. Bediord's may explain the survesor's lines in some parts
Manitoba, where ares of circles are described the road allowance, in place of straight lines.
Jas. Murray, of the Sced Division interesting address on " seed Selection," and re ferred to the deteriorating effect of the snow in
the ' 03 harvest, and rust in ' $0 t$, and recited the sesult of Prof. Zavitz's experiments in seed selec
tion. He advocated careful fanniny-mill selection to get rid of the small shrumber selection stated that selection rewards by increase in yield and uniformity. As to the use of rusted seed,
he described an experiment he had conducted in a greenhouse with one hundred grains of each of
the following wheats: No. 1 hard, Nos. 1, 2 and 3 northern, No. 4 frosted, No. 4 rusted, and No. scribed the characteristics, showing specimens
the No. 1 hard and frosted the No. 1 hard and frosted plants mounted
cards:
 1 north 3 northern
4 frostern
samples growth was noticed in samples, and the plants were deficient in color,
and the amount of plant-food remaining in the seed was evident, little being there to supply the weak child from the rusted seed grain. Another effect on these plants was studied ly exposing
them to frost, thus ircezing down at the end them to frost, thus ireezing down at the end of
ten days. The plants from rusted grain, al-
though they came on again, were slim and lacked Vigor, shown by the color, whereas in both ex-
periments that from No. 1 hard had stre periments that from No. 1 hard had strong color,
a thick stem, and the seed had still a lot of food in it for the young plant. In favorable seasons the weaker plant minght do, but it was not wise
to take chances. Unfavorable conditions such as freezing down, forced increased root development, that development. bushel and a peck to a bushel and two pecks per
acre of real good wheat seed, preferably Red Fife. The chairman, Dr. S. J. Thompson (wimner of the wheat prizes at Winnipeg in 1904, and twice Winnipeg), said he had grown at Carberry and
years. and always sold No. 1 hard wheat, for fifteen
lieved thin seedin. favore two bushels of wheat to the acre, instead of the
smaller quantity. Prof. Grisdale spoke on fodders, referring espe-
cially to alfalfa. He said it is the most ductive of any fodder, barring corn, but was airaid it could not be got with a nurse crop here. grow: The young plants would not stand soil blowing (drifting). It must be sown on a well-
drained field where the soil within two feet of the surface. It will is not out, if not cut the first surface. It will not kill at two and cutting with the mower, set high later, to keep down the weeds again a month mlossoming, the latter point being very important.
He was a believer in soil inocult Mr. Medforia. The discussion following elicited notistand a fiwht opions as follows: Alfalfa will so weil as red clover. He reconmmended growthey had it kummer-fallow, although last year hay as soon as it starts further said : Cutossom, or for the feed-
ing value is ereatly and value is greatly lessened. It is the best of
all fodders for hay. and the favorite for cattle. He had noticed in a field sown in strips to alfalfa, red clover, brome, timothy and grasses, that the cattle chose, first alfalfa, second
brome, and third the timothy fond The following resolution was moved and spoken unanimously : Lothian, Pipestone, and was carried esolution declared in faver of more cyore have by Whereas, the buildines there and, experiments Director is herehy


Srpiary they have to perform their functions alone in the
spring, be assured that a queen will never do her spring, be assured that a queen will never do hel
best, ven in a strong colony, should the stores
Ahundance of stores produces best

Winter and Spring Management of Bees
daress by Jamos Duncan, Emerson, before Manitoba Mr . President, ladies and gentlemen, I have been asked to read a paper on the winter problem and
spring management of bees. In my feeble atspring to comply with that request, I would dis-
tempt
tinctly have it understood that what I advise is tinctly have
simply what perien
In my estimation, the wintering problem may
summarized thus: In placing the hives in winter quarters, see that they are in proper condition; that is, that they contain a large per-
centage of young bees-the more the better-a sufficient amount of sealed stores, and a good
queen; that the hives rest at least one foot from the floor of repository, the entrances fully
open, covers removed and secured, folds of porous material placed on top to conserve heat and almaterial placed on op the moisture to escape, good ventilation, and the temperature ranging from 38 to 43 degrees.
With such conditions existing in his bee repository, the beekeeper, if he has any respect for the alone until the proper timie comes around to this exception, however, should the entrances of any get clogged with dead bees, they should be
removed by means of a strong wire, bent at the removed But care has to be exercised lest live bees be pulled out, as they
to the bottom board.
To bring about proper wintering conditions, the will, under existing circumstances, tend to assist and, to a certain extent at least, direct the efforts purpose in view, we cannot too strongly empha size the necessity of keeping hives strong. We believe stros as well as of successful wintering. A strong colony will at all times contain more young bees in proportion is in better condition to withstand any adverse crrcumsting, or even il arimmer, will severely affect the brood in a weak colony, though doing but little if any harent as the
strong one. This becomes more appares cold nights in the fall appear; a weak colony
will almost entirely cease to raise brood, while a strong colony will continue, even if the weather be unfavorable, especially if fecding is resorted
to and care taken to help maintain the heat of to and care taken to help maintain the heat on
the hive. We have now the old bees nearly worn out by incessant labor, playing the aiding in the maintenance of the heat in the hive. They will but will leave behind them an army of workers,
young and full of vitality; then when "Spring young and full of vitality; then when "Spring,
unlocks the flowers to paint the laughing soil," they will come forth to do their part in the cconomy of the hive, and add wealth, health and
pleasure to their owners. "When gentle spring hangs her infant hast
soms on the trees," weak colonies, from the fact of their containing more old bees in proportion
of their numbers than strong colonies, will come to their numbers than strong numerically as well as often in vitality. Under favorable conditions and care but will very seldom give a paying surplus. The summer management, as indicated, may vary condition of the bees, as indicated,
more or less as the difierent seasons and localities demand, and results will be governed greatly by the experience and intelligence of the apiarist. generally applicable in running an apiary for profit. As summer is the time to prepare the
bees for winter, so is winter the time to prepare for the bees in summer. By having in readiness pliances when needed, much annoyance and loss will be avoided. Set the bees out on the first appearance of pollen or honey, leave plenty of
cloth on top, and adjust the entrance blocks to the requirements of the colonies. at the same time keeping a sharp, lookout for the queens or any indications of them, contract the will nitely cover; with a combl of honey extra. warm. Should there be doubts if any of the hives
being queenless, they should again be examined being queenless, they should again be examined
in about a week, and if neither queen nor brood in about a week, and
be present, they may be treated as queenless, and
a queen introduced at once. Should no queens e on hand, they may be dowhbed up with hive

be short. Abundance of stores produces best
results, and care should be taken that they be results, and care should be taken that they be
always present. As the season adrances, close
watch must be kept that the storing of honey watch must be kept that the storing of honey
does not encroach on the queen's domains, but that sufficient room be given for the same. We colony. I have onitted details, believing they could be better brought out in discussion than Manitoba Beekeepers' Convention. annual meeting in the City Hall, Winnipeg, o the 22 nd ultimo, when a good representation of apiarists was present. Mr. S. A. Bedford, Brandon, president, occupied the chair, and in his adthe noted the growing interest in beekeeping on peculiar flavor, due to the variety of bloom, is immense favor, and the market is decidedly good. Supplies are rather hard to get, but as the industry grows, no doubt some dealer will undertake to handle them. At present one has to get queens from somewhere within the Province or neighboring States, and import or make his own hives. The secretary-treasurer's report ins satisfactory, and the grant of $\$ 100.00$. The election of officers resulted as iollows:
President, S. A. Bedford; Vice-president, J. F. President, S. A. Bediord; Iice-president, J. J. Mitchell, Winnipeg. IBard of Directors-J.J. Jivision. It is true that bees sometimes swarm
Gumn, Gonor ; C. Caron, Winnipeg; James when these cells are so rudimentary as to be
 -
 The Bee Colony at the Brandon Experimental Farm
Mitchell - Secretary-Treasurer, Thos. Gelley, Win- sheets of foundation. Then find the queen, nipeg. o make arrancements for an exhilit by the Assoiation at the 1905 Winnipeg Industrial. After the election of officers, two very interthe discussion the following points were brought Out: Prevent collection of moisture in top of hive by using old flannels or some porous mawinter. Give ventilation by either providing a large opening at the bottom, porous covering on Cop, or by leaving an opening at the top of the hive, where the entrance below is small. The inclination to swarm is very much reduced by giv-
ing the bees more than enough room in the ing the bees more than enough rom lated sugar dissolved in water in a small trough, II in a frame with sides on it to hold the Iiquad In introducing a new queen, put the cage in which
she comes right into the hive, and by the time the bees have liberated her she will have the same odor as the hive, cr, if she is home-grown, green. Reduce size of entrance as soon as the dishes of honey sitting around, as it leads to the hives weigh over sixty pounds whath going inte
 in our markets of much adulterated homey, and matter, with a viow to protect the bome industry and the consumer.
al, just as are the
cases when swarmcases when swarmubout hatching out. Of course, such a
division may be precaution, with $\begin{gathered}\text { proper } \\ \text { without }\end{gathered}$ cells. But this paper of beginuers, and for such it is best to be
guided, as far as
possible, as possible, as to when
to act by the bees
themselves Working for ex-
racted honey, anid keeping in view the
prevention of after proceed as follows: stand the colony to in its place a ha put if in these are not
Among the advantages of artiticial swarming
are the following. One does not have to chase are the following: One does not have to chase
after swarms and climb trees; you do not
lose swarms by having them come off in your lose swarms by having them come of in your you always know which hives have swarmed without having to look through a number, as is while one's back is turned. It enables you to take precaution against afterswarms. It enables you, when the honey flow is right, to make such
it swarm as is most likely to succeed in sections. a swarm as is most likely to succeed in sections.
it takes less time, and is easier to make an
lo This is a subject on which a great deal might all the and as it is impossible to even mention I shall contine myself to giving the plan I have Artifie habit of using most generally. simple operation, yet if the natural condition. served which swarming lakes place aitul source of trouble. It is a dangerous operation in the hands, of a beginner, and had better be left alone
till the natural increase of colonies render something of a necessity, by which time the apiarist shall most likely have learned enough Bees swarm, it may be said, when the hive becomes too small for the increasing colony. By
looking into such hives once a weeck the looking into such hives once a weeck the progress are found ans it
$\qquad$ She happens to the colony being divided is very
new hive. If the coll
strong another comb of brood may be transstrong another comb of brood may be trans the empty combs on either side of them, and put the cover on. Then take each comb remaining of the old hive, and give it a sharp shake in front should be when such work is undertaken, it does not require a very great number of bees to tend the young brood, and bees are hatching out every Replace the combs in the old hive in the same order as at first, an empty at either side, and
move it to a new stand, some distance from the old one, and the work is done.
If one's object is mainly comb honey, what is called a "shook swarm" may be made, with
but little difference in the procedure: In this catse, four or five frames with narrow starters is all that the swarm gets as a brood nest, and all the bees are shaken in front of the new hive. The place to store it, and if a super of sections, with cupmecially one for two partially-filled sections, a fill. lot of section honey may be secured in a
short time. This is only done, however, when the heavy flow warrants i
This plan is used as of
In increase of colonies. In such cases, the comb in the old hicu may be dispused of in several ways. likely to attempt, 1 tien thet go imth the details. However, one way that will suggest itself is th
distribution of the brood among woak colonien.

Forticulture and Forestry

## How a Tree Grows.

By H. L. Hutt, Horticulturist,
One of the first requisites to the intelligen management of trees of any kind is a knowledge of the manner in which they get their good, and how this nourishment is made use of in building $p$ the structure of the tree. If growers general $y$ had a better understanding of this subject, we would see fewer starved and sickly trees, less and such ine pruning and trimming of trees, bout the country humburging farmers into going ng their trees made "/ proof against insets a diseases," by pouring drugs into a hele in trunk, would be something unheard of in th To explain thoroughly the proces growth would require more space than is at my disposal, but I shall try in this short article to give a first insight into the matter.
irst, let us notice the structure of the tree a young tree, we find a root system spreading ip the ground something like the top and branches spreading above ground. Near the base of the trunk the roots are largest and most able to hold the tree in place in the soil. The farther w they become, from the trunk, the smaller and fine so fine and delicate the to see them. These are the fibres a microscope which are most active in absorbing soll h-har which are most active in absorbing soil moisture
and feeding the trees with plant food from the

Trees also take part of their food from the air. This is taken in through minute openings in the leaves during the growing season. The plant above ground. They might also be called the breathing and digestive organs, for through them the plant carries on its respiration, and in them it digests the plant food taken from the into the growth of the tree. Here, then, are the most active organs of growth-the root hairs and leaves-at the extreme ends of the tree, and
between them the whole length and breadth of the tree, built up by their united action. Water is he plant or carrying agent by means of which he leaves, and by which the plant food digested and elaborated in the leaves is transmitted to all
the growing parts of the trees. Let us now examine a cro
trunk, or of any of the larger branches or roots and notice the channels through which the plant section examined is not too young to show the difference, two kinds of wood will be noticed-a dark central heart-wood, and a much lighteris the oldest wood, and is incrensed freart-wood year by the dying, drying and hardening of the to the srow-woon next to it. It is not essential ing and strength the tree, except to give stiffencause it contains the moving sap of the tree, is
the latest formed er, sappier, and lighter colored than the heort wood. Through the minute microscopic channels to the leaves. In both the heart and sap-wood may be seen
numerous concentric rings, and by counting the rings we can tell the age of the tree, or any
branch of it, for a new ring is added each year. And hy a comparison of the size of the rings we A thick ring, naturally, represents a season of good growth, while a narrow one near it would
indicate that growth in some way that year had On the outside of the wood is the bark, which, if the tree is old enough to show it, is of two
kinds. The outer part, in this case and corky, while the inner bark is green and while the inner is the newer or live bark. If these be examined closely it may be seen that
they, too, are made up of thin concentric rine similar to those seen in the wood. The outer of the outcr layers of the inner bark, and after
a time it cracks and falls awny in sealec pealtinn Trom what tree. the increase in thickness of the tree miment that which is indeed the case. This part of the tree
is called the cambium layer. When the tree is called the cambium layer. When the tre is
dormant, there is little or nothing of the cambium to be seen, but if the bark is pulted off the tree
may be noticed as a sticky, half-liquid substance its inside, and a new layer of bark on its out side. Now, let us find out what this cambium and where it comes from. When growth begins in the spring, the root-hairs and rootlets absorb soil water, containing plant food in solution. This solution, which, in the tree, is known as sap, the roots, trunk and branches to the leaves. In the leaves, it is exposed to the action of sunlight and combined with the plant-food taken in by the leaves. Much of the water which was to the leaves is given off into the air through minute openings in the leaves. It is when this transpiration of moisture from the leaves is more rapid than the absorpti
roots that $a$ plant wilts.
After the plant food undergoes a number changes in the leaves, and is properly elaborated, it passes downward from the leaves, just between the sap-wood and inner bark, forming the cam-
bium layer, as was noted before, which adds


A Pine Tree Girdled by Mice


Young Tree in Which Growth is Checked by
new layer of wood and bark on the branches ant trunk and roots in every live and growing part It will be noticed, then, that it is the down ward flow of the cambium, rather than the up-
ward flow of the sap, that is directly cone in the increase in thickness of the trunk, or, in fact, any part of the tree. This may be proven growing branch, so as to obstruct the or any rapid increase in the cambics, and noting the above the obstruction, just as a damediately stream above it.
The accompanying illustrations show of tho how this has taken place in the specimens clearly This explains the growth in thicknece wion let us see how the growth in length or height
takes place. The flow of sap to the extremitines of the prace. The flow of sap to the extremities in the leaves and green elaboration of plant food of the branches, causes the rapid formation of new
in height or lengthening of branches takes plac only at the extremities of the branches. In most
kinds of trees in our latitude this increase growth has been completed by the middle of sum hardened so as to withstand the cold winter and the point reached by each season's growth a ring may be clearly seen in the fresh bark, so that the age of a growing tree or branch may also be de the point as far backward as they cane bark from [NOTE.-An illustration of seen by the writer on a lawn. A galvanized-iron wire clothes line was wrapped around a young pine tree, about six fect from the ground. As
the tree grew the wire became imbedded in the bark, and finally stopped the downflow of nourish ment. Each year the foliage, or needles, became paler in color, the tree dying by slow degrees Last season the trunk was nearly three inche
thicker above the wire than helow and ently, 1905 will see its death.-Editor.]

## Dairying.

## Convention of Dairymen.

The nineteenth annual meeting of the Manitoba Dairy Association met in the City Hall, Winnipeg, on the , Gilroy, husiastic, presiding. The meeting was large and en men augur well for the dairy industry of of the dairy SECRETARY'S REPORT
In his annual report the Secretary, Mr. G. H. Greig, ented seemed to he undergoing a pariod of espest owing to the popularity of wheat a period of depression, of last winter, and the transition of the methods butter manufacturing. Satisfaction was expressed with the dairy exhibit at the Provincial Exhibition, under the direction of Mr. W. B. Gilroy. The advisability of taking steps to institute travelling dairies was raised,
in order that more interest mighi be aroused in the

In discussion upon the report, D. Munroe, Winnipeg In discussion upon the report, D. Munroe, Winnipeg,
said he believed that if people could be shown that rirying was a more profitable industry than grain believed that the association shonld make an effort to
induce the induce the Government to expend some money upon travelling dairies, and to carefully foster dairying in
commection with the new Agricultural College. Mr. S. Larcombe asked that the buttermaking com
petitions at Wimnipeg Fair petitions at Wimnipeg Fair be arranged so that the Competitors would not have to remain in town during
the whole time of the exhibition. He did not thing The whole time of the exhibition. He did not think
the industry was on the wane in his district, for nearly
all the farmers all the farmers where he lived were petting int nearly raising.
Mr.
Mr. W. Champion, as a member of the old guard of
dairymen, expressed himself dairymen, expressed himself as never so happy as now
for he considered that the dairy industry is, and alway
will will be, the mainstay of the country, although now h served. Mr. J. J. Ring, of Manitoution said that it de
rust scare would into dairying, but that the practice of letting the cows had largely reduced their usefulness as dairy cows crops would like to see something done to stimulate the in-
dustry, as it dustry, as it meant a great deal to the Provincc. Mr.
C. A. Murray said that although the make of hutter had fallen off by about $\Sigma 0 \%$, the prospects for son was happy to inform the Manitoba dairymen that the milking machine was an assured fact, and would
soon be found on all the large soon be found on all the large farms.
dorsed the travelling dairy but nust awaken to the fact that a very large of cows of the cows of the country were a dead, loss. In Mani-
toha the average production per cow is 96 butter per year, and the average cost for keeping per
vear is $\$ 17$. Judping by the a large number of the members present, the Manitoba ling dairies to give instruction in the providing travellosal of cream, making of butter, feecing of cows, dis IV. B. Gilroy, Austin; First Vico-President, J. J. Rin Reahurn: Secretary-Treasurer, Geo. H. Greig, Winnio
 Representative on the Wimnipeg Board, W. B. Gilrov. mpeg. ockshutt building. by engaging in a study of the form Robt. Ness, of Howick, 1 'Q... demonstrated with $-2$.

## MARCH 8, 1905

THE FARMER'S ADVOCATE.

## Poultry.

Second Annual Exhibition of Albertc Poultry Association at Edmonton.
The Poultry and Pet Stock Association of Al-
rta are entitled to credit and congratulations berta the success of their second annual exhibition, held in the city of Edmonton, on February 15th,
16th and 17 th. It was marked by well-contested 16th and 17 th. It was marked by well-contested attendance of visitors. It has a set of energetic and enthusiastic officers, and the Association is doing a much needed and valuable work in pro-
moting poultry interests in the Territories. The moting poultry interests in the ferritorial Department of $\Lambda$ griculture are cooperating with local associations in both the north and south, and have furnished an expert judge free to the poultrymen. Good standards improved, and demand consequently stimulated. The Commissioner of $\Lambda$ griculture was in attendance during the whole of the show, and expressed the highest pleasure withe the display enthusiasm displayed by poultrymen and public alike. The judge gave great commendation to the Light Brahma exhibit, which was, without doubt, the strongest class at the show, though the Rock
classes were perhaps the most numerous. R. J. Manson carried off the clief honors in the Brahma, with C. De W. McDonald following close. Manson won the silver trophy for highest-scoring bird with a cockerel of this class, the score bedivided the money in the Barred Rock classes. G. W. Scott, McDonald and Stovel were all in the White Rock classes. ney showed Buffs. good Wyandottes, and McDonald and Cameron with Leghorns. McDonald has Langshans that could have stood against good competition. He Orpingtons were not a well-filled class, but among them were some good individuals, shown by V. T. Richards and D. S. Long. C. Bissett had gray and McDonald colored Dorkings. H. Tall and A. W. Fead some Games, all of good charbirds were creditable J. K. Kennedy made the awards satisfactorily

The Poultrymen's Convention at Edmonton.

## The best results promise to follow the instit

 we may judge from the large and representative gathered at the night meeting following the second day inental reputation as a poultryman, and Dr Wm. Elliott, Commissioner of Agriculture for the Territories, spoke at the convention, besides local poultrymen who were heading the movement foran exhibition of pure-bred poultry and pet stock. an exhibitrell contributed an exhaustive and interesting address on the properties of the breeds, and on the general management of poultry stock. home. In opening, he presented a strong plea than by the score-card, as the most rational and satisfactory procedure to exhibitors. His awards
gave good satisfaction, and his evening address satisfaction. He paid a high tribute to the
character of the exhibits, commending especiall: the display of Light Brahmas as being equal, Fat-stock show: Cotrell's address was of a most compre hensive kind, embracing a discussion of bot
breeds and management. He traced the growt of a taste for the utility family, as against bot telling incidental references to the distinctiv
pronerties of the different breeds of the the properties of the different breeds of the thed fwl, as against the fowl of mixed breedine though he did not emphasize the need of busin pure-hred foundation stuffi. The use of the ben sion of a flock of poultry to all intents and pu poses the management side of poultry work, Mr poultry-houses. the production of winter eges first principle of constriut ion in pomultry-houss Mas simp iceivis

keep them dry at all times. The roosts, if more ". The cooping of the birds was not all that
than one, should be all of the same height, as could be desired. The show is badly in need of than one, should be all of the same height, as could be desired. The show is badly in need o too warm. The pens should be washed with a attractive, and many a good bird when shown solution of half a pint of crude carbolic acid to the roosts painted with an equal mixture of coal oil and carbolic acid.
For winter layers, carly pullets are necessary, and these must be well fed and nourished to promote early maturing. It was not considered ad-
visable to select eggs for spring hatehing from these as a fowl that has laid heavily during the winter season would not produce vigorous spring eggs. For this reason, a part of the flock should be reserved for spring and and not pushed tor early laying.
The proces
The process of crate-fattening was minutely tem were a revelation to many. The experience of Mr. Cottrell went to show that a gain nf from
two to two and a half pounds could be obtained in about three weeks. A discussion of rations was conducted along with this part of the speaker's address.
The evils of a low market were ascribed by Mr. Cottrell to the way in which fowls are commonly marketed. Fowls should be marketed whold instead of being scalded, and should be neatly
and uniformly packed in crates of a dozen, and and uniformly packed in crates of a dozen, and The Commissioner of Agriculture of the Territories, Hon. Wm. Elliott, gave an address full of
encouragement for the poultrymen. The growth and status of the United States poultry industry was referred to as an indication of its possibilities demand was used with good effect. Much poultry and eggs had been imported into the Territories. This should be unnecessary, as we were
in every way suited to the production of a large volume of fowl products. The Territorial mar ket was only partially satisfied, and British Col umbia still remained. Mr . enthusiastic and competent poultrymen of the city, gave a short practical talk on the chances
attending the sensible management of poultry He advocated pure-bred poultry (as they wer
selected and bred for special purposes), the keenselected and bred for special purposes), the keep
ing of one breed only, and the rational treatmen of poultry stock. He showed the inadequacy of supply to present. demand, and the good profits care to the business. thanks was tendered to the speakers of the even

Manitoba Poultry Show.
The Manitoba Poultry Association held its annual thow during the week of the live-stock point of a display of birds was a great success but the attendance was not large, and the educadional value of the show practically nil. The specially, the Barred , Rocks. Speaking to the "Farmer's Advocate" of the show, Prof. W. R. aid: the must the a source of great satisfaction to the Manitoba breeders. There were a number of high-


A Handsome Manitoba Farmhouse-J. P. Smith, Manitou, Man.


The Winnipeg Industrial Exhibition As sociation.

## Prounds. buildings and Miscellaneous advertising

 Official luncheons

Maudeyille

| Ammu |
| :---: |
| Bands |

$\qquad$
 18,033 6: the strollug enough to inister may be put wh 1,561 9 d drinking water and aive the bird solla in
 6,095 45 in a two-per-egent. secolutions plunging the heal T. 4303 potash for twenty or thirty seconds, or as to 2,77671 as the bird can stand it. Give this treatnent 5,59560
2.64330 $\begin{aligned} & \text { peared.-Ed. } \mathrm{I} \\ & \text { Canker often appears }\end{aligned}$ noticed by the owner. When a fowl stands about opening its mouth and swallowing, as thoul it could not swallow, catch it, and bout which probally find shat there is a canker blister on will
roof of its roof of its mouth or tongue. Danker blister on the
take it ofl Cake it of A good way of using it is to wintir canker whas ant dowen into the throat. If the lenter kill the biry, as there is very littic proad Onlity that you can cure it, and the rest of tha the insid. we diseas if canker shows itself birds in the flock, put outside of a number nimer. a heaping teaspomplul to a quart.

## An Incubator, and How to Run It.

$\qquad$
 don, M.P.P., and Manager $F$. W. Heubacht, on account
of pressure of private business, the later retiring ait



## Rec Shares

Shares
Grants

$\qquad$
Roup: Cause, and Cure.
Banh orerdrai
Bills payalle.
 ..... colld is aftlicted, but it usually starts with
nos. If this comtinues till the smucus thicken hatched out about the firt weok to wave the chickeny
in second week of Aented farmers to fill their incubators
hatched out abot, so as to have the chickentroup. To prevent this. puassecs fithom an colld to pive a sutifactory porne are likely to be strong, andmore injocet a few drops of sweet oil with a fin
can. Se that no fowi roosts where a draft cal
It "onts appear, put sola in the hrimkine 
an thenc yon motice it, kill it at onve takin
than rou calatio other
 ..... The inculator should be placed periectly level in

The majurity of incubators on the market ..... are heated by means of oubotors on the market to-day
water, distributed the hot some cases hot
requiring adjustment.
for the thil thus be sten that 1904 was a succerssful yeaair and the hot water pipe systems is used. Both hot

referrance $I$ I were asked which I had think it is more controllable. wir air. Why? Because The incubator should embrace all the latest improv has its point of superiority over oping age every year kinds of machinery. The principle a may be the one in all
but the means of sut the means of applying it will be found more simmple, and ellective. of what capacity should the incubator Experience of many years has shown that where 150
chickens are required Chickens are required at one and the same whime, 150
maxchine of 200 or 220 egg capacity is the most
able. able. Where a lesser number of clity iskens is dost sutit-
simaller size will a simaller size will answer. In ortain cases is two small
machines have been found convenient machines have ben found couverient, beases two small
both may be operated an occasion

 cubators may be fillided, and to be ster tentig, both small in-
enough strongly-fertilized egss may the eggs only
eno

 reviously, elc. It is to ther of fowls kept, strength
 venient. of 220 -egg capacity is likely to be most con Having secured one or the incolinator.Hi. With every inculvator or will cack and set it or then
2. A list of articles sent with the machine


A Bunch of Range Cattle near Lethbridge - A Lot of 5,000 Head.
march 8, 1905

## (1) operate it shou

liwroughly versed
diferent working parts. If your are in carnust of the find how interesting is artificial incubation. If you
are not deard in earnest, let some one who is operate

Before putting in the eggs for hatching,
to permit of a thorough acquaintance with it
machine with finely adjusted parts seems to have cer-
tain "e eccentricities " peculiar to it. Engineers of tain eccentricities peculiar to it. Engineers of
locomotives will tell you that, although built on the same patte-n, no two are exactly alike in operation.
One steams asily, works smoothly, and is of amiable disposition. Another, a twin engine from the same and seemingly in an ugly temper to-morrow. While not nearly so pronounced in its phases, still it is best to become on the very best and kindliest terms with your
incubator. Find out its strong and weak points, and, incubator. Find out its strong and weak points, and
ubove all things, be patient and good natured. above all things, crebed individual will hardly make a siccesssful operator. Oh! this entails a lot of hard work. Not at all. On the contrary, to the right
party, the managing of the incubator will be most interesting and
the reason why for several pointers THE REASON WHY FOR SEVERAL POINTERS.
Usually one lamp is sent with the incubator. It is well to procure a second, in case of accident to the one in use. Keep the spare one always ready. The
morning is the best time to change lamps. The instructions will likely say to turn and cool the eggs morning and afternoon. Many persons prefer to do so
in the evening, but the earlier period is preferable, for in the evening, but the earlier period is preferabe in the evening, with the temperature at $102 \frac{1}{\frac{1}{2}}$ or 103 degrees, which will be shown by the thermometer in the egg
chamber. When turning the eggs or handling the trays the operator should be careful to have his or her hands
free from ceal oil. None but the very best coal oil should be put in
the lamps. For one reason the lamp will burn better. A well-constructed machine should require no looking
aiter from evening till next morning, if it has beem placed in a suitable location. If it requires any watching or pampering during the night, or, indeed, at any
other time, you have not got a good one. The mission other time, you have not got a good one. The mission
of the incubator is to be useful, not to make life a burden.
Will there be any great variations in temperature ? Certainly not, if thermostat and regulator, are working
correctly. When the eggs are being cooled, or the egg hamber aired-if the latter is according to instructions
there will be a drop, but the regulation temperature -where will he a drop, but the regulation temperature door or doors. The writer has had a 220 -egg capacity
incubator in charge, which showed only one degree and incubator in charge, which showed only one degree and
a half of variation either way in three weeks. Anothirr a half of variation ei
was almost as regula
Correctly placed and running smoothly, the incu
Stan by the instructions. If any defects show themselves. at once make them known to the agent or manufacturer. There should be no defects in a carefully-finished
up-to-date machine, and no other kind should be pur-up-to-date machine, and no other kind shat
chased.
We have rather briefly sketched the incubator and The greatest drawback to successful early artificia hatching and rearing is weak germs. Neither incubator nerm. A successful hatch is dependent upon " the man germ. A sucressful hatch is dependent upon the man
behind the gun "; the man who knows how to house hend handle his laying stock so that the germs in the cges laid by his hens are strong, the result of healthy and rolust breeding stock. Many an incubator has
been consigned to ignominy, when the fau!t was really leen consigned to ignominy, when the faut was reatry
in the eggs laid by fowls very much out of condition.
Uuch information as to weak germs and their cause will Much information as weak germs and their cause wind 1903. These reports will b As a means of having eggs in winter and the strons germs in spring, the poultry-house with scratching-she
altachment is bcoming popular. Fortunately, the fowls on many farms have opportunity during winter
to run in barn, stable or shed. In such cases there should be no difficulty in having eggs early in the sea-
son with the requisite strong germ. It is astonishing What variations of temperature eggs with strong germs the most sutable fggs for hatching. liggs cannot be put into the incubator too fresh. age limit. Where not so plentiful, 14 days. It is a
grievous mistake to supprose that any kind of old thing in the shape of an cgy is good enough for the incuAbnormally large eggs, which generally contain
doublhe yolks, or those wrinkled or out of shape, which double yolks, or those wrinkled or out of shape, which
are usually laid by hens in an over-fat condition,
should be discarded itl choosing eggs for hatching. If sucess does not crown a first attemptat hat hath-

THE 'FARMER'S ADVOCATE

Points of Barred Rocks.

## Barred Rock, and if the ockerel has a large or

The points given by the American Standard Perfection are given below, but a new standard promised in March next that may differ slightly in detail from that given here

THE MALF.
Head.-Of medium size, and carried well up
Beak-Short, Eyes-Large, clear, bright, bay. Face-Bright

Comb-Single, medium in size, in proportion to the specimen, perfectly straight and upright well-defined serrations, those in front and real smafler than those in the center, fine in texture bright red.

Wattles and Ear-lobes.-Wattles-Of mediun size, equal length, moderately rounded, bright red
Ear-lobes-Of medium size, bright red. Neck.-Of medium length, well arched, tapering

$$
\begin{aligned}
& \text { ith abundant hackle. } \\
& \text { Back.-Broad, of }
\end{aligned}
$$

Back.-Broad, of medium length, flat at the shoulders, and rising with a slight concave sweep
to the tail. Saddle Feathers-Long and abun Breast.-Broad, deep, full. Body and Fluff.-Body-Broad decp, full, compact. Flufi-Moderately full.
Wings.-Of medium size, well fold, the wing bows and points well covered by the breast and saddle feathers.
Tail.-Of medium length, spread at the base veloped, spreading laterally beyond the tail prop . Lesser Sickles and Tail Coverts-Well decloped and well curved.
Legs and Toes.-Thighs-Large, strong, well covered with soft feathcrs. apart, yellow. ToesStraight, strong, well spread, of medium length yellow. Color of Plumage--Body color grayish-white, each feather regulary crossed with parallel bars down, or under-color of the feathers. The barring of neck and saddle-hackle, narrower and closer and running the entire length of the feather.

Head--of medium size, and carried well up Beak-Short, stout, regularly curved, yellow
Fyes-Iarge
Comb--Single, sinall, perfectly straight and upright, free from side sprigs, with five or six and rear smaller than those in the center; fine
Wattles and Ear-lohes.-Wattles-Of medium size, equal length, well rounded, Lright red. Far-obes-of medium size, bright red.
Neck.-Of medium length, comparatively small at the head, nicely curven, "ith Back.-Broad, of medium length, with slight incline from the base of the neck to the tail, of slightly cushioned.
Breast.-Broad, full, round.
Breast.-Broad, full, round.
Body and Fluff.-Body-Rro
act. Flufl-Moderatery woll folder
Tail.-Of medium length. shread at the hase. carried moderately upright. Tall coverts-airly
developed. Leveloped. and Tons.-Thighs-of medium size. and medium length. fine in hone. well apart, yellow. which, in hens, may shade to light straw color Toes-straight, well spread the shonks.

## An Experience with Plymouth Rocks

## Having had a short experience in protane poultry

 - Farmer's Advocate " readers. I bought nine Plymouth Rocks two years ago; now I have twenty-four yearlinghens, as many as my henhouse will accommodate. The house is made of inch boards and scantling, twelve feet square, with a ground floor. The boards The hens are fed in the morning, with about ond
quart of goose whent, spread on the floor and covered quart of goose whent, spread on the floor and covered
with about a foot of straw. They exercise themselves in this uatil noon. when they are given one pound bniled meat, one quart harley, some turnips and potatoes tel
hot. At night they get all the krain they will eatgenerally a mixture. They have plenty of grit an
bones, that I break up fine with a hammer, and lots bones, that I break up fine with a hammer, and lots of
water. The pen is cleanecl out tuice a wrek at least and Presh, dry litter put in place of the old. I heliev the main thing in caring for hens is to keep thrm dry than when fed in the morning.
to a private house in Toronto at dn average price of 20c. per dozen. I raised 100 chickens that average
65 c.
per pair, making in all an income of $\$ 64.90$, be sides what my own family used at home. I did not
keep account of feeding, as all was raised on farm exkeep account of leeding, as and
cept the meat, which was princlpally livers from neighboring slaughtering house that cost nothlng.

Events of the World.

## Canadian.

, 1 Cant

ohery 23 rd and 24 th.
The best oil well yet discovered at Leamington,
Hon. J. Isrnel Tarte was married on February 23rd Mrs. Enma Turcot, of Ottawa.
da, by C.P.R. Liner Mount Temple
A new ore vein, yielding ore worth $\$ 25$ per ton, has The Speaker of the Senate, and many members of Parliament, sent congratulations to Senator Wark, on
the occasion of his one hundred and first birthday.
The steamer China has been purchased by the Lake Ontario Steamship Co., and will be placed on the route remedelled, and will be one of the finest on fresh water.

On July 1st the Canadian Government will assume ontrol of the fortifications at Halifax and Esqummate. thas been announced sir froderck ade nister of Milítia, that ater that date Ca

## British and Foreign.

## explosion in a mine at wilco, $\mathrm{V}_{\mathrm{a}}$

France will spend $\$ 24,000,000$ on her navy this

General Stoessel, the defender of Fort Arthur, has at every point.

The German steamers Severus and Romulus, bound ed by the Japanese. Dr. W. Harper, I'rosident of Chicago University, and

I'nofficial negotiations are being carried on by the French Cabinet, to see upon what turms a peace under-

The remains of (irand Duke Surgius have been placed
in a vault in the Church of St. Andrew, Moscow, where
thay will remain until transferred later to St. Peters-
burg. ance worker, has been placed in the Statuary Hall o解 Capitol at Washington. It is the first statue of
The degree of LL.D. has bewn conferred by the Civersity of I'ennsylvania upon Emperor William of , Reitish A Ronsen, and sir Menry Morti

The local committee of the Socinllatn, at St. Petere b,omi) coniey of in minifusto, announcing that other
un losses of British underwriters on war risks upon steamers bound for Uladivostok, and sulscequently seized by the Japanese, have $3,1001,1000$. In $n$ recent fight between Bulgarians and Turks, the Bulgarians lost 20 men killed or wounded, their village l,ring afterwards burned by the Turks. Afterwards the
$\qquad$ New Orleans has heen isited by a great fire, in-
wolving millions of dollars loss in property. Nearly a
dozen squares of whaves and freight shods, with vast quantities of freight, were consumbd, along with two Mr. Rider Haggard, the noverist, is on his way to

America. He has been appointed a commissioner
inquire into the conditions and character of the agricultural and industrial land settlements organized in
America by the Salvation Army. The trustees of the America by the Salvation Army. The trustees of the
estate of Cecil Rhodes are paying the expenses of the inquiry to be made by Mr. Haggard, under the auspices ing the scheme to South Africa.

The Agra diamond, to which a romantic history is
attached, was sold recently in London for five thousand
one hundred pounds. It got its name from the battle of Agra, at which it was captured by the Emperor Baber, founder of the Mogul Empire in India. Afterwards it came into possession of the King of Delhi from whom it was taken in 1857 by some British officers, who smuggled it aboard ship by putting it into
a horso-ball and forcing a horse to swallow it. The horse was then shot, and the diamond was taken fro its stomech $\qquad$
Mr. Jas. T. Ford, who arrived in Seattle recently from the Far East, where he has been studying labo conditions for some time past, is of the impression that
the development of the cotton and iron industries it Japan and China will in future prove a serious menac
to the trade of Great Britain and the United State to the trade of Great Britain and the United States
Cotton mills, he says, are springing up all over Japan
and are even now largely supplying China's and are even now largely supplying China's 440,000,00
with cotton goods. As a result partly of this ne rivalry, cotton mills have been shutting down all the United States. In China, he asserts, there is a
the coal and iron necessary to carry on extensive mand the coal and iron necessary to carry on extensive manu
factures for an unlimited period, and he believes the Chitose are fully alive to the possibilities of the situation. The situation in Russia becomes every day more
complicated, the strike complicated, the strike having now affected almost every
part of the European portion of the Empire. In the
south the entire district of and the Tartars have been let loose on the people wit such terrible results that at Baku alone, it is asserted, 300 corpses were counted in the streets. At Batoum
and Poti collisions have also occurred. And it ported that the latter town has been bombarded by detachment of vessels from the Russian Black squadron. .. At St. Petersburg the strike has as-
sumed the form of a lockout, sumed the form of a lockout, several of the largest ployees that they are discharged, and that the works will be shut down indefinitely. As a consequence, beof the riots is anticipated. In Russian Poland
the situation has not improved. In Rent the situation has not improved. Nearly all the rail-
way employees in the Province, including the telegraph operators, have joined the strike and traffic is almost entirely suspended. At Warsaw the strikers have de-
stroyed the switchboard station and cut some of the telegraph wires. Serious riots have also been reported
from $\mid K$ harkoff and from Riga, where mobs of workmen
have destroyed some of Once more the news of a possible peace, which
gained curcency recently, has proved to be but a myth. Who toe contrary, lighting has been renewed along the
Whole front in Northern Manchuria, operations thus
overing it distance of about a hundred miles with
 Wery effort to accomplish, the grand coup before the It secral points they have crossed the Sha and shathe,
ind are making oforts to pass the hrun. At the same
ine., they are attempting to cut off the munication between the Russian army and Vlatlivostok portant position at Tsinkhetchen, and have driven t
Russians from Da and Vanze Passes, thus guining open road to Fushan; while Kuroki's repulse of Licut.-
Gen. Rennenkampft has thrown open to them the mou:twinous country east of Yentai. The Russians, on the




Field Notes.

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







## Canada's Wheat Production.

$\qquad$ furnished some interesting information Dimental Farms, growing in Canada. In 1904 he said that $80,000,000$ bushels of wheat were produced in the Dominion. In
1902 the United States sent to Britain 81,000, G00 bushels of wheat, or 54 per cent. of the latter's total $\mathbf{1 2 , 0 0 0}, 000$ bushels. U. S. flour exports had in 1904 similarly. He pointed out that Canada was destined the great wheat-producing country of the World, having many advantages in respect to soil, climate, etc. Experiments were being conducted at the
Experimental Farms, he said, in order eties of wheat that would ripen earlier, and thus would be immune from early frosts, which sonetimes injure the wheat crop in some portions of the Canadian West.
The experimenters, he said, were meating The experimenters, he said, were meeting with con-
siderable success in producing earlier varieties, and he looked forward to some very important results along
this line in the near future. Canada's strongeat petitors as wheat producers, according to Dr. Saunders,
will be Russia. Argentine

## Re Selling Wheat

Ed. Note," in answer to a letter from Edward Wil
liamson, re grading grain, in which you give some good
advice, thourh
Advice, though rather hard to follow in many cases, for the firm which remits promptly. How are we to know
which of the firms that is ? They ull adver all solicit consignments, asking shipper to bill the car
to their order, or at least to their advico
$\qquad$
$\qquad$
$\qquad$ ried out? It seems not. Then whose fault is it Who is supposed to prevent irresponsible parties buying
wheat without either license present there is only one man has a chance to the list published showing the names of the there is no the shipper is entirely at the mercy of the buyeds. firms directly and too expensively, that at least believe, tod been allowed to do business, right in the Grain Exchas license or bonds, have advertised in all the leadin papers, including the "Farmert's Advocate," soliciting
consiguments same as the rest, yet the commissioner to get rettlements, wheat, appealed to Onn had neither money, credit, nor conscience. An-
other advice in your Ed. Note is to send bill of lading
throuyh through bank, and the bank will get the moncy. That
is all right so far as the advance is concerned, but
whin to secure it? If you don balance how are you going
town certiticate you get your out-
mank often lose by the fall of the ladinge, what if you do sell and surrender your bill of
The bave you that you will ever get it is quito easy for the firm who holds the B. L. to
get he balance of the purchase money, or duplicates
of wrimh of Weight and grade, and ignore the oriminat shipper's
cluim, although he holds the original certificates,
do voul Another paragraph which needs explanation in your
note is the one referring to the commission merchan
holding thack the balince state ats soom as the commission man has money. You
(an sell it and get the whole sum for it he
cannot turety ing the number of bushels the car cone certificate show-
last clausn in doing business with are those who oolly fo firms worth the solution of the whole difficulty. If you will kindly
pullish the names of the said BEST FIRMS, who al-
ways do business promptly, woul will multitude of farmers like myself, who are are oblige
INDIVIDUAL SHIPPERS. INote.-The several points brought out by our cor-
respondent were well discussed at the Ge.-G.'s convention
at Brandon. Mr. Hamilton, of Portage the Mained the way to do business through the bank. As
to the commission of surgestion was that business should not be dow


ington. In California the prospect is excellent, excep
along the Sacramento River, where some damago Hamiota Grain-growers Meet. the Hamiota $c$...in-to 18th, to hear the report of the delegates to Brand Provincial convention, which was given at some lengt
thy four of the delegates, and discussed by thy four of the delegates, and discussed by the members
present. All the delegates expressed themselves being highly pleased with the convention, and thou a the time and money spent there was well repaid by the information gained, besides the pleasure of being presen the Province. The benefits of the association are being seen and felt in our local market at present, when fo
the first time ing right up to the track price for wheat on the street. This is certainly an achievement worth striving for brought it from the association, claiming it has has held aloo should immediately admit that he has made from good two years, and can take his load on the market to-day ret to-day A strong resolution was passed at the meeting
Saturday, asking Saturday, asking our member at Ottawa to oppose the
imposition of duty on rough lumber, which is being is also being largely signeders at present. A petition raying for same. If this action was followed baw the local associations, after being so strongly dealt

Problems of Agricultural Societie
ditions and needs of the agricultural societies in Mani Deputy Minister of Agri~ulture. delegates to a meeting to societies, asking them to sen ions: at which would be discussed the following que airs grouped for purposes of $j$ the judges to be selected by the Department: wheth ists in desirable to have a general revision of the priz veneral committee with an ideal list prepared by xpert outside judres employed Forty-four out of the forty-nine societies reported to otherwise, and their positions witi regard needs o Moyment of competent judges.
After hearing reports
tions for improvements from all the delegates, sugges Dr. A. G. Hopkins, and Jas. Murray. T. Ketchen recommended ask educative and attractive features judg ing competitions for the younger generation, and con petitions for fitting live stock, particularly horses, fo they should be clean. Good horse-racing. athleti , 1 of India, a species of wrestling on horseback pectitions for women handlers of horses, as being par
ticularly successful. He also advocated hilits in the-list, and arrangement of the livestock ex said in according to classes. Mr Ketche the success of the fair by the gate receipts, for the Dr. A. G. Hopkine Dlito onar.
night ge a brief address upon improvemernts Advo He said that the local fair shatal agricultural societies vived with special reference to the peculiarities of the for the andicultural societics to migdertakot be advisable suggestions he made were for the holding of athletic conce show, pure-seed distribution, plowing matches, but beef-ring, poultry-plucking and milking exition of the clcmonstrations of horso-training, milking competitions for tions, looking farms, giving of prizes for new models for farm
machinery, for best plans for farm architecture for best if deliates. He further advachinery, and the holding
 the amount of money expended by the society in prizes Mr. Murray said that it was remarkable that in a
Country where grain-growing was of such signiata
itle attoution htlle attention was paid to exhibitions of grain. then went on to outline a system of seed fairs in conMection with institute work. These seairs he recom-
mended being held in mended being held in late winter, or very early spring,
the exhibits to consist of at least of grains in the sitear. At such fairs arrangements the discussion of grain subjects, after the judging had
been comploted



MARCH 8, 1905
asires in the mattor desires in the matter, not later than March 15th, nam- size, poor in quality, lacking in beef-producing conforma-
ing within a range of ten days the date upon which
tion, and the only outlet or market is a local one, and
thenchers are obliged to accept such prices as they can offer, A motion was passed, asking the Deputy Minister with the assistance of Dr. Hopkins and Mr. Ketchen, to
prepare a model skeleton prize-list, with suggestions of irepare al model a general natief but animated discussion upon features that should be eliminated from the fairs culminated in a
nost emphatic resolution, condemning the permitting of gamos of chance or inmorat exhibitions within the use their endeavors to have thesə features absolutely rrohibited in the shows of which they were directors.
The Deputy Minister then thanked the delegates fo The Deputy Minister then thanked the delegates for
the earnest manner in which they had applied themselves to the discussion of the questions brought befor the resolutions passed at the convention.
Veterinarians Meet.


Another Nail in the Coffin of the Mexican.
To the Editor "Farmer's Advocate":
For years I have taken the "Farmer's Advocate,"
and there is no paper coming to our home that has a more welcome place or is read with more interest. It is truly a farmer's paper, published in their interests, and
from its pages we get each week instruction, advice from its pages we get each week instruction, advice
and knowledge which is valuable and interesting to us and our homes.
I may say, coming here poor and penniless from the
old Land but with health and courage, I selected Old Land, but with health and courage, I selected
Alberta as my home in 1883 . Spending a few years in the service of the C. P. R. company, I took to ranching and the raising of cattle, for which 1 had a fond-
ness, and $I$ am thankful to say, have made my life-work ness, and I am thankful to say, have made mot wish to
thus far somewhat of a success. I do not
boast, but to-day I am the owner of five thousand acres of land and five hundred head of cattle. I noted in the last number of the bringing Mexican and Texas cattle into the griass This is certainly commendable and praiseworthy, and should be read by every farmer and rancher, not only
in the Territories, but in Canada. While I am not inin the Territories, but in Canada. While I am not in-
terested to the same extent as those who have their thousands of cattle, it is a matter that affects every have no hesitation in saying, detrimental to the present
havd future prospects of this young country of ours. The and future prospects or to prevent their importation To-day we have men of enterprise looking forward porting valuable and costly cattle from the best herds of Great Britain, in order to raise the standard and
quality of our best beefing and milking strains, and quality of our best beeing and mating strains, and to compete in the best markets of the world, securing for the growers and producers the highest prices
their labor and toil. The result of bringing those cat the into the Territories is to discourage those engaged of producing what exists to-day-a glutted market, over-
stocked with a class of cattle unfit for export, small in
ranchers are obliged to accept such prices as they can offer,
or carry the cattle over from year to year, hoping that
something may turn up to improve price conditions, which is a great financial loss. Have not our neighbors across the border Mearnod
this lesson of their folly, and shut the Mexican cattle
out of the northern grazing States, and why should not Out of the northern grazing States, and why should not
we take a leaf out of their book and take such precautspecially out of this Western country, noted for cattleraising
farming,

## Sheep and Swine Breeders Convene.

The Manitoba Sheep and Swine Breeders' Associa-
tion held its eleventh annual meeting in Winnipeg, on
February 23rd. President Jas. Bray orened the meot-

Greenway, Crystal City; ; Tamworths, R. S. Preston,
Dilot Mound. Directors
representing
sheep breeds Pilot Mound. Directors representing sheep breeds: Cotswols, La Riviere ; ' Oxford Downs, Alex. Wood,
Souris ; Southdowns, W. W. Fraser, Emerson. Auditors, Geo. Batho and Dr. A. G. Hopkins. Representative to Winnipeg Exhibition Board, W. G. Styles, of Rosser.
On the resumption of the convention, Prof. Boss, Minnesota, illustrated the method of cutting up beef,

The Banquet to the Stock-breeders
$\qquad$ mipeg entertained the visiting stockmen, was followed
out this year. It can hardly be called the success of the previous year. Although people differ as to whether
intoxicants should be used at such banquets, few will condone such gross violation of all courtesy to visitors hibitions of themselves, usunlly connected with too heay hinitions of themselves, usually connected with too heavy
filling up on intoxicants. In an editorial of a week or so ago we suggested what were, in our opinion, im
provements in the way of convivial entortainments the time of similar conventions; and we now sugges that in future intoxicants be omitted entirely, as at th Grain-growers' banquets at Brandon and Regina. We themselves-as the total absence of drunkenness among the delegates was remarker at the three last farmers conventions held at Winnipeg, Brandon and Regina-but because such exhibitions are not pleasant for visitors, and are a socrecented themselves in aody and had special brands of wines and liquors supplied, and it would be interesting to the ratepayers to know how big the bill for liquors, ostensibly supplied to the stockwen, but drunk by some of the aldermen present, really is. Mayor Sharpe presided, in his usual able manner,
and postprandial speeches of the usual order were made and postprandial spee
by some of the guests.

## Markets.

## Wheat-Very little of interest to farmers, unless it to those who have seed to purchase

cases quality eln, 97 c .; No. 2 northern, 94 c .; No. 3 northern, 88 .
$\qquad$ Hay-Plenty olfering firm at these figures. May-Plenty ollering, at $\$ 5$ to $\$ 6$ per ton,
Mill Feeds and Flour-Same as last quotations.
$\qquad$
$\qquad$
$\qquad$
$\qquad$ are $2 \overline{\mathrm{c}}$. ; pound bricks, 28 c . Dairy butter, 10c. to 16 c .
$\qquad$ prices, which are firm at 30 c. ; storage, at 26 cc .
$\qquad$
Chicago Markets
medium, $\$ 3.50$ to $\$ 5$; stockers ind fooders, $\$ 2.40$ $\$ 4.40$
Hogs-Mixed and butchers', $\$ 4.70$ to $\$ 5.05$; good $\$ 4.90$; light, $\$ 4.70$ to $\$ 4.90$; bulk of sales, $\$ 4.85$ $\$ 5$. choice, mixed, $\$ 5.25$ to $\$ 5.75$; native lambs, $\$ 5.7$

## British Cattle Market

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Lump jaw; athormal growth; stiff


Life, Literature and Eoucation.

Though nature is constantly beau tiful, she does not exhibit her high est powers of beauty constantly, for then they would satiate us, and pall their appreciation that they should e rarely shown. Her finest touch are things which must es watched or : her most perfoct passaces of beauty are the most passages of Ruskin.

## Literary Lines.

 taken it the present time in the movement fo a consolidated school is being given inces, under the Macdonald Rural Schools Fund. The beneficial results of the new system are well from the St. John Telegraph of Feb ${ }^{13}$ ". At the meeting of the education section of the Farmers' Association
at Fredericton the other day, Mr. at Fredericton the other day, Mr .
Wetmore, the chairman of the Mac donald consolidated school at King ston, told this little story: ' While driving through a section where a
small, poor school had been closed up, Mr. Wetmore was hailed by ased up, ing farmer of the district, who
asked how the new school was petasked how the new school was get-
ting on. Mr. Wetmore told of the progress being made, the large atriend, 'I never saw the sald his my children.
school was
difficulty in opened I never had an home from school to do odd ioh around the place. In fact, it was Ways a trouble to prevent them inding excuses to stay away from choory if $I$ wat there is a regular home, and on the days when manua training is taken, nothing duce them to miss school hat's all right, isn't it ?' said Mr
is,' replied his friend.
that makes children want to goo with you in helping it on and I am

## The Gardener Bird

 The highest development of thedecorative instinct in animals is found in the gardener bird (amof Nornis). This plain-looking native ground, spreads moss before it, and bright berries, flowers and scatters As the flowers wither hey arects placed by iresh ones. The whole

## Assuming Nationhood.

## rne decision of the Federal Goy

 of maintaining the dock-yards at Halifax, N. S., and Esquimalt, 13. O.,at an annual cost of $\$ 2,000,000$, has saarcely met with a dissenting note. Something of the real indewhole Dominion when it assumed the responsibility of coast defences, and has done more to impress both Brit ain and the colonies with the significance of this young nation
than the assumption of hel fences. Canadu, more than any of national armaments, but since they are, as yet, a necessary evil, she
cheerfully shares the burden of their cheerfully shares the burden of their
maintenance with the much-lurdened

## Sir William Dawson.

Sir Wm Dawson.

It shines on to enlighten and vivify
the moral and intellectual life of our country Since he penned these
words, in 1888 , many others come from his, many others hav where he lived, one of the truly
grand old men of Camada his deat occurring on November 19th, 1899 . As to details, John William Daw-
son was born at Pictou, N. S., on October 13th, $18: 0$. He received
Ois earlier
$\qquad$ enter the University of Edinburgh, course there, he returned to Nova
Scotia, and inumedialely himself with its educational affairs being soon appointed, on the
strenglh of his servien, on tendent of Fiducation. Since that day, ho has thenn acknow ledeged as one of the foremost celluationists, as
well ns ono eff the theat rimal

 whom he has called "the greal aposte of rational yeolosy,", he
nuade a thorouth examin ination of tho coal measures in the difierent parts



Examine the paragraph, and what have we P First, the little lad, the
keen observer and working ", at plants, stones and fossils at an age phints, stones sand
the truth of the hold arave again the truth of the old adaze, "The
boy is father of the man?, matter of fact, his biographers tell Uis, hisese collections were begurn when Sir william was but twelve years old.
After that, the lons life of study. Arter that the long life of study,
and investigation, and thought. the writing of many books, and the meeting with kindred souls, who,
with him, have nssitcos with him, have assisted in laying
bare the scerets of the earth. With bare the sereets of the earth. With-
in these few lines, also, we may read something of the character of the man; his enthusiasm; his def-
erence to the views of others, joined to an independence never afraid to
assert itself when assertion seemed necessary; the spirit of humility, so marked in him, which is ever an attribute of the truly great; the
consciousness of the "just beginning" on the sea of knowledge, which indicates the true scientist, who ever says, "Nothing can be final in this matter,", rather than, "' This I have proven -an epitome, in very truth,
of the life of Sir William Dawson, to whom, it is a pleasure to say, "the evening of life " was
long, very long, and the suil long, very long, and the sun
of his influence has not set
wing

## this wo

ossil plants, began a district rich in , these as a boy, in comnec pursuits. He has thus seologica gaged in the study of fossil plants Cor nearly half a century, and, while he has published much on the sub-
ject, has endeavored carefully to facts, and has made it a specialty to collect, as far as possible, what has been published by others. He has spondence or personal intercourse with most of the more eminent workevening of his days, he thinks it
right to endeavor to place before the world a summary of facts, and ing, however, that nothing can be
final in this matter, and that he can Dect of the subject the present as-$-5-\infty$ passed away.". contained, perhaps, an epitome of the


Natural History at McGill Univer hanagentreal, which, under his acknowledged position as one of the vorld's great seats of learning during his principalship, and owin Normal School and the School of In 1893, Engineering were established In 1893, he retired from active wor at the University, but was im cipal, and Governor's Fellow, as wel as Hon. Curator of the Peter RedDuring all.
During all these years, he found
time to write of work for the press which amoun complished would seem prodigious even though his energies had not been otherwise taxed by his work at been accomplished by the only have markable perseverance and assiduity Among his best known publications are : "Acadian Geology," "Origin the Coal Periods." "Handbook of Earth Zoology," "Story of the Bible,", "and Man," " Science of the Points in the Science of " Salient "Science in Bible Lands," "The Mecting Place of Geology and His"Eden The Historical Deluge," Primeval Life," "Fossil Men and " Geological History of Plants, and "The Ice Age in Canada."
These works are recognized as
very valuable from a scientific
standpoint standpoint. To an unusual
degree, also, the author degree, also, the author has
made them popularly readable, while his contention that geology rightly understood and the Bible rightly in-
terpreted, do not conflict terpreted, do not conflict, recom-
mends them to many who have looked upon the works of some other Sir Willian Dawson's fame is world men he mase fortunate than most est apres, in living to see the fulldone. Honors came thick he had upon him. In 1881, he was awardLondon ; he has of the Geol. Soc., the Royal Soc has been President of the American and British Associn and the American Geol. Soc He Nas created a C, M. G in 1881, and on F. R. S. ; F. 1881. He is also Edinburgh University and of Mcdiil D. C. IL. of Lennoxville Univ., and Seldom have so many honors ied showered upon one man, and few here have been who better deserved relipions spirit, he was deeply renius has, doubtless ial. Natural do with Sir William Dawson's and the in life; yet, enthusiasm work have been no mean hand fation to this first essential quali a lesson. Genius may not be ination to work hard may belongy III. has atcomplished our countryach. in our own way, ac appointed Principal and Professor witar own talent to the utmost, mak

MARCIT 8, 190:
Fashion Notes
1t is perhaps without one pang of
regret that the feminine world as a
whole will bid good-bye to the
" 1830 ". styles of last year. For
pehold, the flopping skirts, the
drooped shoulders, the baggy sleves
and such like extravagances have
already been given their conge by
people of fashion, and a specdy re-
turn to an era of greater simplicity
has been promised. Skirts will, of course, be made dom go by leaps and bounds-but the fullness will be placed almost entirely from the knees down, tho apper portiats stitched in place, hipyokes and similar devices. In waists, the greatest innovation is in the
sleeves, which must now be full at the top and tight-itting at the
wrist, or rather, from the elbow down. Some of the prettiest models show one simple pulf, reaching from shoulder to elvow, the lower portion being made
sleeve. Tucks and pleats will still be much used on bodices, though surplice effiects will be quite popular, especially when littee gur white all contrasting color, or ofton gowns. are used to form the some of the ne west designs show emboriderca
suspenders placed over the surplice. This, however, savors of a fad which is likely to outrun its popularity very quickly.
Beyond suit will be the popurar gown for spring wear, supplanting, to a great
extent, the facket and skirt suit
jot extent, has been in vogue so long. With the shirtwaist suit, when necessary, will be worn a jaunty titl separatle comfort, in that it may be put oll over any gown without look ing out of place.
The shirtwaist costumes may be made of fine $t$ weed, cashmere, lustre or mohair, as as
linen
trimmed
wilh embroidered bands, for wear during warm weath er. Mohair will be exceedingl' fashionable. The new weaves of it are very fine arviceabie, as they are dust resistant and spot-poof to a decru materials. Slirt waist suits tafficta and foulard are also to bul
fore among fashion's favorites, but are somewhat perishable for country In more dressy gowns, voile, eolii ctc., may be chosen, and made up Hot too elaborately, but with the
flufliness that seems to suit Inminess that seems to suit such
materials. Lace will be little used muimpe of chifinon or some such thin Gumpe will be much in evidence. a finish to the yokes, berthas various forms will still be used, or
simple frillinus of accordion-pleated cinifion, net, organdic, cte. depent thime unton the material of which the

Asking a Blessing
$\qquad$
$\qquad$
$\qquad$
$\qquad$
 wh her her poor thin hands, closes he

THE FARMER'S ADVOCATE.


Lord, behold, he whom Thou lovest is And kiss the sacred foot-prints of If it be trus that "we wannot but Upon the feet of any such a one speak the things which we have seen As lieth patient here beneath His hand
and hand
Whom Christ
has liond on His own we must be carefil how we speak of cross, to lie
things we know nothing aloout. Thank- Beside Him, till Himself shall give re-
 fect health, I dare not presume to give And that shall not be, wany a on
knows well, personal counsel to you who have been Until his place knows him no more
called to "rejice, inasmuch as ye are partakers of Christ's sunferings.", But God's messages may be passed on from
one to another, and my hrother-who one co another, and my brother-who is
a hospital chaplain has just sent me H. E. H. King's "Sermon in the Hospital)" which is a beautiful message to
the friends of the Master who are called the friends of the Master who are caled
to drink with Him the cup of suffering. To give you the whole of it would be impossible e even if, as often happens, I
were to take were to take up more space, but 1 must pass on to you seme
selections from it. The story berins selections isrom it. The story begins
with a description of five wards fulls of sick people, who are listening to a serMon from the text, "I am the true ine." The preacher shows how the vinc
trained, pruned. thinned out, stripped
and its fruit, and even cut back lo the Measure thy life by loss instend of by the wine drunk, but by the wine poured forth: love's strength standeth in love's Many are pains of life i I need not stay sacrifice;


Asking a Blessing
rom painting by Walter Gas
 Which onn can share us or soothe, wich From all all desire,
change

 Passeth not, nor will pass ; and only Remains for us to look for, more of pain,
And doubt if we can bear it to the end. But if this be the hardest ill of all mortal flesh and heart to bear in is the one comes straightest from God's hand, Him nearest $t_{0}$ ourselves. things 12ichly for joy, and power, to use aright;
13ut then we may forget Him in His We cannot well forget the hand that holds, us, and will not let ue go . . . . . For thee, and not another; only known $I_{11}$ all the universe, through sense of caught by eye or not felt by Or apprehended by the spirit's sight In all their incommunicable pain,
seak mother their own babes, upon the tender $W_{\text {ith }} \underset{\text { flesh }}{\text { fond }}$ familiar touches close and Because He cannot choose a softer way To make us feel that He Himself is near,
And each apart His own Beloved and Sweet it is when a babe opens its eyes. Blue, smiling, to its mother's morning But thou, when waking to the morning With $\begin{gathered}\text { unrefreshed and aching limbs, }\end{gathered}$ The heavy pressure of a constant pain Ipon thy forchead, and the weary brows Is it not God's own very finger-tips the licht and careful touches which

Sem heavy because measured to thy strength,
With none to spare; and yet He does not or thy impatience, but stands by thee still, $\begin{aligned} & \text { sfaltering, till thou too shalt }\end{aligned}$ grow wouldst not miss the sharpness grown
custom, which assures Him at thy Hand to thy hand, and not far off in And when the night comes, and the
 - Depart from mp. O Lord, and let me H. will mint leave thee, nor forget thee;

Thee closer in the thrilling of His arms, time.
He gives His angels charge of those who
$\qquad$
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$\qquad$
$\qquad$

But for this world, the word of God And When
find we come to die we shall not
The day has been too long for any of us
To have fulfilled the perfect law of
Christ.
Who is ther
done
More wide, more perfect for a law
life? ?
Has any died that was not short at lest?
The ultimate symbol of Divinity
ow can we dream of ? We have got
Whereby to seize it ; but in Him we
The ultimate symbol of Humanity,
Humanity that touches the Divine
Upon that side of mortal conscieusnes

$$
\begin{aligned}
& \text { pass the gates } \\
& \text { Death. hinked with Him holdinct }
\end{aligned}
$$

pass the gates
Death, linked with Him, holding by
ur Brother gone before, before we
the perception how our life is joined
To God's ; for we are now the sons of
And know we shall be like Him there,
We shall be doth not yet appear ; but
We see Him we shall know Him as He in.
Is more to "The Crone of Christ
And that most closely we may follow
By suffering, have all hearts of men al-
Is suffering then more near and dear to
For its own sake than joy is? God for-
bid
We know not its beginning nor its end Is it a sacrifice? a test? a school?
The fruit of Evil ; yet what Evil mea None knoweth, though he spent his life We suffer. Why we suffer-that is hid With God's fareknowledge in the cloud ir, impatient, thou let slip thy wit not find it in this world again, Is given thee to suffer for God's sake. Serve Him and love Hin Praise Hi work for Him,
row near and
delight ; nearer Him with
sut then we shall not any more, be
To suffer, which is our appointment here
Canst thou not suffer then two? to-day, Saying, It
From which tho From which Thinkest thou prayest for delverance Would overcome thee? Thou would say, ' So soon?
Let me go back, and suffer yet awhile t yet praise And $\stackrel{\text { God }}{\mathrm{He}}$ nd He might answer to thee,-' Never All pain is done with.' Whensoe'er it That summons that we look for, it will seem
Soon, yea too soon. Let us take heed That God may now be glorified in us: To suffer perfectly: since this our souls
The suffering,
May here be preace,

But I find that, in spite of cutting out
a great deal, my space is more than
filled up. The closing lines must, there-
fore, be left for next weak
fore, be left for next week's issue.
Make thy life all pure and true
Filled with deeds of high endea
That which thy God approveth eve

THE FARMER'S ADVOCATE


Our Ingle Nook readers will be pleased had chipped the plaster, and there we co-day to see the following sketches from ef per Theo, who so kindly wrote If the art-lovers of our circle. readers in a healthy and most fascinatin pastime," he says, "I shall be satisfied." We thank Theo most heartily for his in ferest in our "young readors," and rust that his efforts in their behalf may
ANSWER TO AUNT LIBBIE. Dear Dame Durden,-In the issue of the
Farmer's Advocate ", "Aumer's Advocate" for February 9th
a clean wall paper.
A nurse was telling me once how they home. The walls an operation at cleaned with bread. if papered, were is our summer dining-room. It has the usual three-foot base boarding, and the
walls from this were painted; but time
inree ugly big cracks in the corners. S
ind we papered it. The paper stuck well o
the painted walls. he painted walls. It had a white
ground and a pretty floral design, which round and a pretty floral design, whic
made the room very bright and cheerful. Last spring, when we housecleaned, we cleaned the paper with stale bread. We did not think it was so dirty until part
was cleaned. When it was done it looked as fresh and bright as if freshly papere It took a small loaf of bakers' bread and a few pieces to do the job ; cost, si or eight cents. We are going to clea again this spring.

SEASONABLE REOIPES FROM WRIN As KLES.
As this is the season when oranges ar heap, I send a well-tried recipe fo
range marmalade. I dozen lemons, 3 grape fruit ; cut th fruit in very thin slices, taking out the
pips. To every pound of fruit, add

pints of cold water; let stand 24 hours then boil until tender, about 2 hours. Let stand till next day, then weigh, and of sugar. Boil till the syrup jellies as. the chips are transparent, which will take about one hour.
Lemon Butter. $-\frac{1}{2} \mathrm{lb}$. of butter, 1 lb . of the rind of 2 lemons and juice of 3 . Pu, the whole into a pan, let it simmer over then put away for use. Best to cook it burn.
Che
Cheese Pudding. -1 cup of grated cheese pint of new milk, 1 small tablespoo poonfter, rolled biscuit, small teaepper Puthard a nittle salt and ered pudding-dish, bake twenty minutes a rather hot oven. Should be, when corve, as light as a baked custard very appetizing on hot plates. This is Egg Toast.-1 egg and 1 cup ond beaten together ; salt and pepper a taste. In this, dip slices of bread and a nice brown. Place in a hot excellent breakfast dish cover. This is an Cake without egys-1 cupp cup of milk, 1 cup of flour (sifted). Ceaspoons of baking powder, 1 teaspoon of lemon or vanilla; beat thoroughly, and add five tablespoons of melted but

## Points for the Homely Girl.

 ivate a disposition which will irradiate her ugliness that it is ransformed into seeming beauty. haracter to compete with her bea tiful sister. She must pay attention to detail that mast pay atcention to details Her dress should be modest, and becoming in fashion and color. Her hair must be scrupulouslyneat and arranged to the best advantage. Her carriage must be crect and She, more than all others, must have a care to keep her voice well Her manners must be gentle and She must be beautiful at heart look at good pictures ling thoughts, lifting utterances. She must repress the angry or fret-
ful word and discover the delicht of bestowing an unexpected eñlearShe must not expect attentions, Above all, she must be interested in something, heart and soul, brain and body, as far as possible forployment, whether it be a duty empastime. There is no beautifier in something to a genuine interest in something-anything. It lends lack-luster eye, it puts vivacity into the most listless expression, and makes the ugliest features interestSo, let the homely girl have her spiring one, it will only make her more attractive.
Truly, the effiorts the homely girl must put forth are many, but in the long run they will pay a hundred-
fold.-Exchange.

Miss Hoamley-Didn't you hear Miss Knox tell me yesterday that I was ." the
homeliest girl in our set?" Miss Goodhomeliest girl in our set ?" Miss Good-
ley-Yes, the hateful thing! I gave
 hope you weren't too hard on her. Miss
Coodley-Well, I told her she ought to
consider how sensitive you

Honesty, absolute truth, in thought
nd deed, always:
Earns what it gets
Pays all its debts
Pays all its debts
Knows no regrets.


## 6 Coupons now with every pound of

## Blue thetory TEA

Beginning at once, card inside each end marked as 1 Coupon will count as 3 Coupons, making 6 in every pound, or 3 in half-pound package.

This makes the tea coupons count up very quickly-3 times as quick as before.

Ask for Blue Ribbon Tea; write for Premium List, and send in Coupons

BLUE RIBBON, Dept. N., Winnipeg.

## Illustrated Catalogue <br> OF

School Supplies, Books, Stationery, etc. The finest in Western Canada
sent to any address on receipt of card.

WARNER'S Ltd.<br>The Great Bookstore of the Great West,<br>dBIRANIDON

## Did the Blight Spoil

Your Potatoes Last Year?

 EGGS THAT PAY

Your PRUSSIAN POULTRY FOOD

G. OLAFSON \& CO, Winnipeg

Winnipeg, Agents for Manitoba Province.


The Little Stamp Collector Three months ago he did not know
His lessons in His lessons in geography;
Though he could spell and read quite well,
And ciphe And cipher too, he could not tell
The least thing in topography. But what a change ! fow passiug This stamp-collecting passion Has roused his zeal for woe or weal,
And lists of names he now can reel And lists of names he
Off in amazing fashion.
I hear him speak of Mozambique,
Heligoland, Bavaria,
Cashmere, Japan, Thibet, Soudan Cashmere,
Sumatra, Span,
Spain, Waldeck. Kound Ceylon, Siam, Bulgaria.
Schleswig-Holstein (Oh ! boy of mine, Genius without a teacher !
Wales, Panama, Scinde, Bolivar, Jellalabad, and Kandahar,
Caluul, Deccan, Helvetin.
And now he longs for more Hong-Kongs, A Fiji, à Mauritius,
And where he'll stop no one can know, He's grown so avaricious ! Dear Cousin Dorothy,-I am trying your competition, and hope I may suc-
ceed in some way, as I have never had an experience before. My essay reads as
follows: follows:
In a dark alley in the streets of Lon-
don there was buildings, one of which I particularly ro member. In a shanty there was in ono
corner of a room an old frame of a bed, corner a round block of wood for table, and in the middle of the floor
there still remained the old irons of a there stin remained the ord frons of a
stove. forsaken room there lived a woman and a dog, and this old woman was deat and
dumb, and kept this large dog for her guide. The dog woold not lot a a tiving
soul touch the old lady if they had no soul touch the old lady if they had no
right to, and the only way the old body
got anything to live on was with a hand-organ that she had, was she would
go out on the streets and play it for hours.
Some would look at Some would hook at her and say,
Come on, let her go ", others would listen a while, and some would give her
some money. 0 thers would not, and the
Door dor fatend poor dog, fastened to her by a rope, was
faithul to her indeed. So one day little boy had a dollar that his grandma
had given him to buy a hobby-horse and was going past her, but had to stop to
was what it ing the case, made signs to her to talke his dollar. She accepted it, and after a
while went away and bought a dress and some food for her and the dog, and then
soment ant
went home and went home happy. This should be a
lesson to us all to help the poor as much as possible. This litle hoy was kind.
heartesd and unsclifisi. Marian menab (aged 14). We have no story-competition on
present, Marian, but I glady give little tale a place in our orner. If your
read carefully the conditions of the " Boy Knight" competition, given in a recen
issue, you will see that the hoy duccriber issue, you will see that the toy discrived
must be a " real," boy, not an imaginary hero. One of the Cornerites seems to
have the strante idea that Canada has
thrown thrown ofl her allegiance to King Fdward
I houe it may Canadians will not have to sing Good
save the Kinct any loncer." It would be a very poor ny longer.". It would
bour country
that was founcot
 very interesting. Gordon Caswell's story
will be pubbished as soon as we have
spa
write and tell something about Temiskaming, the district I live in. We came
from the County of Lambton to this newly-sot led country of Temiskaming
about two venrss about two years ajo. Our farms are
locatod in the Townehin Hillined about fifteen miles from the town of New Liskeard. We get our mail once a week from Thornloe P. O., about three and e
half miles from here. Harvest-time in thie half miles from here. Harvest-time in this
country just now is the winter time country just now is the winter time,
when the men draw their timber either to Thornloe Station or to White River, two and a half miles from here. My father and brothers are drawing their kind of timber that is generally taken out is pino, spruce, tamarack and cedar The people around here were very glac when the train came in this fall, and
when they decided to have Thornloe P. O. We have about two and a halt feet of snow here now, and as there are plenty of nice big hills, coasting Is a favorite amusement. There are moose, bears, lynx and woives in thi bigger than a rabbit. How many of the Cornerites have eaten moose meat? We had a piece of a moose the frst year wo came nere, and we wed tine. It is
something like heet, only coarser. will be a great country in the near future. The mines are very productive, aiso the soll, for growing good crops ing. I am very fond of music, and I took one quarter of music on the organ before we left Lambton. We are pleased
that the Methodist and $\begin{gathered}\text { Mission Board of both } \\ \text { Baptist }\end{gathered}$ takes such an in Berest in this country, by sending out ministers to preach at the getClers' houses. It would be very lonesome thout them. We all think the "Farmer's Advocate" is one of the best papers itor nt our house every Saturday. Wish ing you all the compliments of the sea-
son, I remain, an interested reader of the "Farmer sidvocate" $\begin{gathered}\text { BEATRICC EDWARDS (aged 13). }\end{gathered}$

Some Good Conundrums.
Qic.-Why is a flock the the most modert A.-Because it covers its face with its Q.-What is the most difficult surgical A.-To take the cheek out of a man Q.-How should Russia maintain her A.-By suspending the Sinkling Fund. Q.-What were Eve's rellifious views be A-She was Eve-angelical before ahe Q whe len the the A.--Because its turning is the result of
Q.-What is the difference between wa $\stackrel{\text { and }}{\text { A. }}$ is ? The difference is intense.
Q.-When may a man be eaid to have a
fishy orition? fishy origin?
$A,-$ When his father is attle con place and his mother a

A nursemaid goes out to take the air. With three small children under her care In bright sunshiny weather. Why is she like an arithmetician, ho, in doing a sum in addition,
Adds seven and three and two togetherl Because, as all but the baby can run,
$\qquad$

Dear Cornerites,-1 thought I woul


In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.


## Leslie's Free Furniture Catalogue" $C$ " <br> Should be in the hands of any- one contemplating the purchase one contemplating the purchase of even one piece of furniture Get it anyway, and see if there is not something in it that would is not something in it that wonld add much to your comfort and enioyment if you were its pos sessor. It contains picture descriptions and prices of ove ${ }^{600}$ pieces of furniture <br> 

No. 28-1-MORRIS CHAIR Golden ork, brass rod, reversthle velour cushions, neat carving
and turred spindles.....88 00

WRITE FOR CATALOGUE "C"
JOHN LESLIE,
324-28 Main St., WINNIPEG, MAN.


The LEAVENWORTH CASE 3. That they had been seen whllio


Toupees
Are sold by mail with
guaranteed satisfaction
TOUPEES at $\$ 15$ up WIGS from $\$ 20$.

The above illustration shows a Toupee-for
 applises to our Wigs-for complete balder es8:
and when you think of it, is it not folly for you
to continue looking at a disad vantas Jo continue look as nature intended you should
for a mighall loomount of money. Write, and let
form us bend you our booklet, which contantans our
measurement sy tem and information about ordering igs and aupees by mail. You are
taking on chances at an rate. as your money
will be returned for any complaint. Addreess:

MANITOBA HAIR GOODS CO.
winnipeg, man.

## NATURALLY

omewhat coarser
 this the case With
neglected sking. A short
maseage nighty, as per
directions, with,
Princess Skin Food
 trink in to ir boor and sample whit Graham Dermatological Institute,

| Steversto Sate |  |
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| Winnipeg Business College |  |
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| donalo. |  |
| $\rightarrow$ KILLS |  |
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| \% | POCLT |
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G. OLAFSON \& Co., Winnipeg,

## TENOGRAPHY



Portrait of the Late Bishop Baldwin

The London Printing \& LIthographing Co

## Whaf To Do For Heart Trouble



 pattern, guaranteed for 20 years, selis for
onti.50; machines with ball bearing and extra
fine wood work, cost a little more, but only about half what others charge. Our sewing





Starting Plants in the House.


## Modest Susan.


is, however, usually no necessity for a window, with, perhaps, a small table
covered with them, if the windows be iew, will probably be enough
practical purposes. are by all means the
Shallow boxes are
best. were it only for the ease with best, were it only for the ease with
which they may be handled. Cigar
boxes are poxes are admirable. Bore gimlet holes
in the bottom for drainage, and cover
over with broken crockery, then fill up with fincly-sitted soil. A sprinkling of
ilean sand over the surface is considered which sometimes attack young sed. To meeting Sunday evening oft together
lings. Now sow you sed, planting
int large seeds to about twice their depth, Yet she sat very straight indeed, and
while fine ones should bo simply scat.
tered
kept the tarther side. Dear Susan, please be-" Upward then
in fright sweet Susan sprung : "Hush ! Not another word to-nightThen Tim grew weary waiting, and no
more .
Dear Susan ," asid.; He wooed another maiden, 'twas "t Dear Emeline " instead.
She made no word of protest when he murmured : "Be mine own?" Susan hoes alone.

## Humorous

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

In answering any advertisement on this page, kindly mention the FARMER'S ADVOCATE.


Only a Trifling Cold
Has been the Lullaby Song of Meny *
VIctim to their Last Long Sleep. A cough should be loosened as an allayed before it settles in the ungs. Once settled there Bron-

DR. WOOD'S NORWAY PINE SYRUP
just the remedy you require. Ihe virtues of the Norway Pine ther standard pectoral Herbs and Balsams, are skiifully combined 0 produce a reliable, safe and
fifectual remedy for all forms of oughs and Colds
Maph, N.S. writes: :": 1 think it
my duty to let people know what
great good Dr. Wood's Norway
Pine Svrup did for me. had
had cold which setlled in my chest, and I could get nothing to cure it inf tried Dr.W oods botle helped me wonderfully, and the red me.

Price 25 cents per bottle.

eto., taught by mall. Write for par-
tionalara. Catalogue roe. NATIONAL
ioolars. Catalogue roo. NATIONAL
BUSINES COLLEGE, Limited. E. J.
$\stackrel{\text { O'sallivan, C.E.,M.A.., Prin., Winnipeg, Can. }}{=}$

## cossum

testing TO FIND THE GERMINA
To find out whether seeds are capable
producing plants requires neither exmert knowledge nor special apparatus. bery farm home for making germinatio tests of practically any kind of seed most convenient way to test seed of corn and other cereal grains and most the root crop and larger vegotable seeds is to place a number of them, say elotting paper, Canton flannel or cloth; invert another plate to cover them. The
seed should be kept moist, but not wet. The temperature of the average farm-
house living-room would be quite suitguard against excessive heat or cold. clovers or timothy thus treated will have Very small seeds of the finer grasses, of the beets or mangels may be germinated to better advantage by scattering them
in a saucer (belonging to a flower pot) on a cloth that soaked in water, and set or in a pan containing not more than
one-eighth of an inch of water, the ob-
$\qquad$
$\qquad$
$\qquad$


## Last modntain valley The Town of <br> LUMSDEN <br> N.-W. T.

Is Headquarters for
Supplying Settlers
 Bomble



$\qquad$
SPRING PIANO BARGAINS

 is in thorough repair and guaran teed for five years

upright pianos.

${ }^{\text {Karn }}$
, anyton Bros.
In. 385
3
$3+10$
3

Any of the above shipped o
WRITE AT onek

LAYTON BROS
144 Peel Street
MONTREA

The Washing Came High.
It must have been one of thos
"onward calls," that led Constanc to go with her brother to that
"comic opera of a town," for what
elso colst else could it have been? It was
sich a sudden flitting from a bright
fult full life in a city, to the new place,
cut out of the forest, so new that cut out of the iorest, so new that
there were no established precedents. there were no established precedents.
Everybody felt equal to everybody
else and no ene wantod else, and no one wanted to be sery
ant to another. The salary at the mission-house
was not large enough to pay for help, but Constance's mother in the
sou uthland said you think soul can make the home
for your brother in that payhouse for your brother in that playhouse
he describes to us, I will pay for a maid as helper in the scullery."
. "We do not have sculleries in the
noth
 Mmpossinte to thil a maid-oi-all-
work," revpliced the brother, "but I
will not allow Constance to work too hard. We will do the every-day
"ork together."
The brother and sister established
thenselves in the sind themselves in the mistsion-housse, he
as missionary among the people, and
as mon Che missionary among the people, and
she encr to make a comfortable
homp The first troullesontue problem wass
how wo get the washing orene small
as was the housc. they lind freount as was the house, they liad frequent
guests. and the table Ihinen and becl-
clothing made the basket full in an



THE SPICE OF LIFE.
Modern surgery appears to be making
vormous strides.
Directions with a nuw infant's feeding bottle runs: With anew
baby is done drinking it must the baby is done drinking it must be un-
screwed and laid in a cool place the hydrant. If the baby does not thrive ${ }^{\text {on }} \begin{aligned} & \text { fresh milk, it should be } \\ & \text { boiled., } \\ & \text { A photographer advertises }\end{aligned}$ boiled." A photographer advertises:
." Your bahy can be emlarged, tinted, and

The first ine insurance policy of which the details are on record resulted in a self on June 15 th, 1583 , for $£ 383$ against dying in twelve months. He did
die on May 18 th of the next vear-and the disgusted underwriters (the company of those days) contested payment
on the plea that he had lived twelve months of twenty-eight days each.

A writer tells of the origin of Mr

comedy, "Speed the Plow," written in 1789 .
Ashield,
One of the characters, Farmer
growing weary of constant references to Mrs. Grundy, a character
in the play, by his goodwife. sumdenly turns upon her with : done $\frac{\text { quiet, will ye. Always ding }}{\text { ding }}$ Dame Grundy into What will Mrs. Grundy say , my, what will Mrs. Grundy think ? ${ }^{2}$ The phrase tickled the public ear at the time, and is
till in fashion.
 recently, what, is the chief cause of ill
health, replied :. Thinking and talking
ation heath, replied. Thinking and talking
about it all the time. This ceaseless in-
trospection in which Ing generation of nervous folk indulge is certainly wearing them out. When they
are not worrying as to whether they
slep to sleep too much or too little, they are
fidgeting over the amount of food that they take or the quantity necessary for
health. In short, they never give them-

Representative Cooper, of Texas, tells
story about Gen. Sam Houston, of his State, and a practising Houston, of his
did not like the old seneran who uously opposed to him politically onn
day, anter a heanted political discussion.
tho
 would believe you, doctor," (athas " quiet reply of the general. ${ }^{\text {Then }}$ Then, sir,"
vehemently exclaimed the doctor. $-2$ have of you." "Not a bet me than coctor, but I simply have a little more

## POSTPONED SALE

Our sale of PURE SCOTCH SHORTHORNS ad vertised to take place on February 16th was postponed

TUESDAY, MARCH 21, 1905.
All trains on the Owen Sound Division of the C. P. R.
will stop on the farm on day of sale.
GOODFELLOW BROS., Mackani Farmit.


F. \& W. SINGLE DISC DRILL
is a drill that has proven successful wherever it has been used. it long life and The DISCS are flat, and at a slight angle to the line of motion, The SEEEDING APPARATUS is
art can make it. We would like you to perfect as mechanical for yourself.
Our Illustrated Catalogue " F " contains a lot of information.

## 

Head Office \& Works, Smith's Falls, Ont Winnipeg, Brandon, Calgary, Regina

WE LEAD THEM ALL IN QUALITY, IN CHEAP NESS, AND IN QUANTITY SOLD

Galvanized Steel Woven Wire Fencing


American Field and Hog Fence.


We call your special attention to our extra Heavy Fence, all Horizontal
If your dealer does not handle our Fences, write to us. Made by The Canadian Steel and Wire Co., Limited, winnipeg, man. hamilton, ont
Neineore Root $\begin{aligned} & \text { Ship us your Senega and } \\ & \text { turn it into money while }\end{aligned}$ prices are high. We predict low value in near future
THE LIGHTCAP HIDE \& FUR CO., Limited
Dealers and Exporters of Hides, Pelts, Deerskins, etc. Exporters of Hides, Pelts,
Highest Prices, Prompt Returns. 172 KING ST., WINNIPEG, MAN


Advertisements will be insertod ander thif
headin, suap as Farm Properties, Help and
Sidantions Wanted, and miscollanous adver-TWMAys-One cant per word oach ingartion.
 3 oents.
Besmax WANTED-Will pay 30 centa a pound
for good olean beeswax here. James Durcan, $\mathrm{F}^{\mathrm{OR} \text { information conoerning } 100 \text { improved and }}$ unimproved tarms in the Dauphin diutrict,
 ohasers. Partioulars mailed free,
 acres broken, log buildinge. Price nineteen bun
dred. E. J. Darroch, Swan River. IMPROVED and UNIMPROVED FAR MS for nalp
 $\mathrm{F}^{\text {OR informantion about the rich Daphin ountry }}$ Oo ustof improved
Nioholoon, manager.
 Two miles from mark et. Nearly a dozen elevatoris
in sight of the farm, Plenty of good water, tail

 neea, Man
PABTNER WANTED in established nursery ted in vernoin
W ANTED at onoe- Saleeman in Manitoba and
 rnamertal and ahade tres. Recommended by
Fxperimental Stations at $B$ andon and Indian Head.
Bige

 Stone \& Wellington, Toronto.


$\mathrm{W}^{\text {ANTED-Married }} \mathrm{K}$ mam to manape man ranch near



$\mathrm{F}^{\text {OR SALE-Having decided to quit Parming, I beg. }}$











 ornering this section, with 220 ready for crop, and
secion onvenient for hay, paaturand wod.
rand chance oni on big tarmer. For furt ther particurand chance for a big larmer. For further partic
lars apply to J Jhn D. Hunt, Carberry, Man.

TRADE NOTES.
ort such damages as they may har sustained by reason of infringers or de Falmer patents at this office without d

 nest marhimes that hawe hown inventenf
on recent years. For show shouring, they
save froum
$\qquad$

THE FARMER'S ADVOCATE.


S
MATURAL HEN IICUBATOR


## Scoitch Slorthorns

Herd handed hy tock. for rale from
poin. Young stock
lmp. Bires and dams. For particular
ED. ROBINSON,

## Adverise in the Advocate

and get best results.

THE FARM
TIONS AND ANSWERS.



 Veterinary.
washy driver.
I have a driver that scours badly when
driven; scours a little in the stable; driven, scours a little in the stable
is fecling well, but appetite is poor
What shall I do for him? G. H. L. Ans.-Purge him with a ball consisting
of six drans anoos and two of finer.
ond


indolent sore.

trade note
TRADE NOTE


bREEDERS' DIRECTORY,


A. M. MoDoralo, Napitika, Man.- Breder of



 C. . TayLor, Dominion City, - Barred Ply Cod Game, White Cochins. C. H ARocrieen-Ang \&us cattile. Pine Lake, Alberta,




 E. T. GRiFPTTHS, Moos Jaw, Asen. - Bre der of of F. Jdeolurer, Weftyn Station, Asea. Aber
 H. R. Rocks, Winkinera, Neepawa, Man. Barred

J. WA EHiNQTON. Ninga, Mon-Bref der of ot both stexes always tor rale.
 JIMES DUTHIE, Melyund Stook $F$,

## JoHN Logain, Marchison, Man. Shorthorne.

J. MANSFIELD, Rosebsnk Farm, Brandon, Man,

 J. H. REII. Moosomin, Asea- Breder of Here J. M. Macrarlane, Mcose Jaw, Assa - Breed J. er r flydesdale horses. II W. Matren, Gotham, Wie. U. S. A., importe

 L. T. THontpson. Leloraine Man- Bereder of $\overline{\mathrm{L}} \mathrm{V}$ ways. V . BIIS , Fort Qu'Appelle, ABe. Gallo.






 $\mathrm{R}^{\text {OBT. SiNTON, Repina, Asea. }- \text { Bretar and im. }}$ $\mathrm{R}^{\mathrm{P} \text { PTANLEY, Moogor in, Ases. } \text { Biteder of }}$ THOS WALLLACE, Red Herd Farm, Portage la


 THos. DALE, Portage Ia Praitie. Man. - Breeder
 $\mathbf{W}^{\text {ATrer culiford, Autinn Man, breder of }}$
 IV . Itstek. Midde Church (Nr. Wirinipet)


## Childron Are Underited

the restlet is weakness, rickits, st. vitus' dance and
MaNY mLes of chiliohood hes of childhoon

Dr. Chase's<br>Nerve Food


 living.
Active exercise of mind and body, to-
gether with growth and physiological gether with growth and physiological
changes, consume nerve force at a trechanges, consume exerve the supply of
mendous rate, exhaust the
rich blood and leave the body weak and liable to disease.
Pallor and wen Pallor and weakness, weak eyes, nerv-
ousness, skin diseases, rickets,
St.
Vitus' dance and constant liability to catch cold and to contract the disease
wf childhood are the result. As a means of restoring the vitality
of weak, puny children there is no preparation so effective as Dr. Chase's
Nerve Food. Being mild and gentle in action and
powerful as a creator of new, rich blood and nerve force, this great food cure is admirably suited to the needs of child-
hood, soon adds new, firm flesh and tishood, soon adds new, firm flesh and tis-
sue to the weak and emaciated body and restores the vigor of robust childhood.
There is no means by which nourishThere is no means by which nourish-
ment is so directly supplied to the blood
and nerves as by the use of Dr. Chase's and nerves as
Nerve Food, because this preparation is
composed entirely of the elements of composed entirely of the elements up
nature which are required to build up and restore strength to the system. Chase's Nerve Food, 50 cents a \& Co., Toronto. The portrait and sig-

Advertise in the Advocate

BOOK REVIEW.
Any book reviered in this department may
be ordered through this office. hackNey horse studbook, vol. We have received, by the courtesy of the Secretary of the Hackney Horse Society, Frank F. Euren, 12 Hanover
Square, London, W., England, Vol. XXII., of the Hackney Studbook, containing the alphabetical records of the breed for stallions Nos. 8713 to 9076 ,
and mares 16388 to 17074, and reentries. It is illustrated with cuts of Administrator 8047, champion stallion , Rosadora 11437, champion mare; Sir and Gold Foil 13513, champion pony mare at the London Show, 1904. The volume is neatly printed and should

## ers.

## TRADE NOTE

Manitotham Wag Wean.-The farmers of Manitoba and Western Canada are having
their attention brought through these columns to the many splendid features of the celebrated Chatham wagon. The
output of this factory is known in the Dominion from one coast to the other.
When a Chatham wagon goes into a disWhen a Chatham wagon goes into a dis
trict, it is the firm's best salesman. It sells other wagons to neighbors simply because it shows distinct superiority in material, workmanship and satisfactory wearing qualities. Only the best of live
timber is used in their construction. It is properly air-dried under cover, a process which brings it to the most perfect and lasting condition. If you in-
tend buying a wagon, it would be wiso to write to the Chatham Waybon Co Chatham, Ont., and get what information you want regarding their goods-price and the company will be glad to answer
any questions you ask about their any questions
wagon.


## Announcement

THE famous business so long and so successfully carried on under the name of W. Warner, Brandon, will henceforth be conducted by Warner's Limited, who assumed control on March 1st, 1905. We confidently hope, by a continuance of the same absonch, but more of your trade than ever before. Respectfully

Warner's Limited, Brandon.

| THE <br> PEOPLE'S <br> POPULAR STORE | REVILLON BROTHERS, <br> Limited. |
| :---: | :---: |
| When in the city, it will pay you to call on us and <br> have your wants attended to. We lead the trade in <br> AARERFULLY <br> ATTENDED To |  |
| ORY GOODS, GENTS' FURNISHINGS, BOOTS and SHOES, |  |
| CARPETS, GROCERIES and HARDWARE, |  |

## Joseph Rodgers \& Sons <br> SHEFFIELD, ENGLAND. <br> Plones ees that thim EXAOT MARE in on onoh om <br> James Hutton \& Co., Montroal, sion in inaurio <br> 正实

## FARM BOOK

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

| LIVE STOCK. |
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| redo ot the Horse (grd ef |
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plant and animal life.
The Btory of the plants.-Grant Allen.
 Inseoth imajurlouit to Frulta,-Saunders. 136 miscellaneous. Landscape Gardenling.-S. T. Maynard. 338 pager. sis.50. .s. Are monted. - Nellie




HOW TO OBTAIN THESE BOOKS. - We will furnish present subscribers any of the above books for cash or as a premium to those obtaining new yearly subscribers to the "Farmer's Advocate" according to the following scale

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We can furnish any of the above books at the regular retail price, which is given opposite the title of the book. By a careful study of the abover choose a select list of books suited to his needs, and for a small outlay in cash, or effort in obtaining new subscribers for the "Farmer's Advocate," secure the nucleus of a useful library.
THEE WYM. WYELD CO., LHMM'EED, WVinnipeg, Manitoba.
$\qquad$

## 352 <br> THE FARMER'S ADVOCATE. <br> FOUNDED 1866 <br> HIGH-CLASS STALLIONS



## Clydesdales, Percherons and Hackneys.

## J. A. S. MACMILLAN

Box 413,

PORTER AND BREEDER

Also guarantee every stallion as a sure foal-getter. Our record of Stallions sold as producers cannot be beaten.
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bition this year, I won 8 prizes- two champion-
shipe
 best cly desdale, benides numeroor oe ther frill
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BY AUCTION AT OAK LAKE. MAN.

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17 BULLS, 17 COWS
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15th, 16th and 12th MARCH Entries are coming in now for this sale. We anticipate heavy horses and small ponies and unbroken rang horses-horses to suit everybody.
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CATTLE. Walmeny MY imported Leader of g bulle of a are sired by the Iot of young cows, bulls and mothe wy bulls are from 12 or write for prices M. G. Willford, Harmony, Minn. TEARA NOVA 8 TOCK FARM Aberdern-ang Cattle

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and the satisfactory results. If any of those are points that concern you in the feeding of your stock, a few weeks' use of CARNEFAC will satisfy you that it does all claimed for it. We woul
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HAD FAILED
Dodd's Kidney Pills Cured His Bladder Troubles

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Bladdor Troubles are Causelt by Dis. eaved kId neys.
 shown in tho case of Mr. James Atwall
this place. Mr. Atwell saiss.





A WARNING NOTE FROM THE BACK.

Peoble often say, "How are we wh
to know whin the kidineys are out
 Kidneys, close to the small of the
back, renders the detection of
bidney trouble a simple matter. back, $\left.\begin{array}{l}\text { liderey trouble a simple matter. } \\ \text { The note of warning comes from }\end{array}\right\}$ $\left.\begin{array}{l}\text { The note of warning comes from } \\ \text { the back, in the shape of backache. } \\ \text { Don't neglect to cure it imme- }\end{array}\right\}$
 follow if you do. A few doses of
DOAN'S KIDNEY PILLS, taken in time, often save Years of
suffering Mr. Horatio Till, Geary, suffering. Mr: Horatio Till, Geary, N.B., writes:-"I suffered for
about two vears with kidner disease. Had pains in my back, , hips
and legs. and hat no appetite. It topk one
and of Doan's Kidney Pills and $\left.\begin{array}{l}\text { box of Doan's Kidney Pills, and } \\ \text { they cured me. The pains have all }\end{array}\right\}$ \{ left, and I now sleep well. or $\begin{aligned} & \text { fror }\end{aligned}$ 51.25. All dealers, of

olloways


 Owing to the loss by fire of a great portion of our winter's feed, we find it
necessary to reduce our stock. For
Shorthorn Bulls and Females,
Of all ages, at greatly reduced prices. Walter James \& Sons, Rosser. - - Manlioba Sitho Sittyton Stock Farm.




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and Gen
and


 Mothe Grandviow Herd,


Drumrossie Shorthorns "- "prum orosie Chief"



## cossily．

 At the annual sale last weck of Berk－shires from the herd at Biltmore Farms． Biltmore，N．C．， 49 head sold for $\$ 5,172$ ， lowest price，$\$ 30$ ．

In the olden days of whitewasher chapels，a minister went into the Littl
Bethel and found the workmen，with their caps on their heads，working theic white washing brushes up and down the wall．＂
to the tune of＂Pop Goes the Weasel．＂ your caps off，and，if you must sing， found the brushes moving very slowly on the wall to the tune of＂Before Jeho－
vah＇s Awful Throne，＂and he saw yery litte work had been done：so caps and get back to the old tune，or No doubt the whole incident passed wi the significance of sex char iCteristics．
Apart from a knowledge of breed char acteristics and differences which are valu－
able and necessary to the breeder of pure－ bred stock，there is much to learn from sex characteristics and diferences．An acter with respect to sexual properties
as with regard to breed propertios，and this defect，is no less a hindrance to suc－ cessful breeding
The practical and important thing to
remember is that there is such a thing remember and female type，and that we as male and female ieatures that valued，but should be sought for under sisted upon．Heavy manes in horses
strong horns in the horned breeds shreng，horns in the horned breeds
features are in order ands，and all suc eatures are in order，and their absen male constitution．If the scientist we
to translate such inappropriate male properties into a a practical breedin
principle，he would rganic capacity in such male to lodevelon oxuberant features would indicate a want
of power in him to produce variation in the offspring；in other words，to STAMP
HIS OFFSPRING with special character This scarcely needs scientific interpreta－
ion to the experienced never fails to choose a sire of strong
male individuality if he wants to trans a female mar be simitary ors A female may be similarly out of cha marked by a characreristic simplicity and ay plainness．This difference has strong
tar onfirmation in the popularity of a string
oxhibition males over a string of fe－ males．
This diference has its origin in what may be called natural selection rather
than in sexual selection．In $a$ state of ature there is obviously an advantage of the pregnant or brooding female，if we
$\qquad$
$\qquad$ is the to the offices of defence and nour－
chmont devolving on the males．This is
no lunger a consideration with animals no lenser a consideration with animals
under doniestication．It is still the case，
however，that the property of QUIET－ NESS AXD PASSIVITY that would
no fanlt in a iemale would he out
wharacter in a male．A sluggish stallic or an awkward or ambling null or ram
would not be chosen by an experienced
worn breeder for a sire．Thus it appears that
the differences that have nrisen bet weep
the seves in thecir cuolution have becom
$\qquad$ $\cdots+\square=$

## Why do＂Page Fences Wear Best＂？

BECAUSE－They are made of wire $50 \%$ stronger than Common Spring Steel Wire，so called．
IRECAUSE－The horizontal wires are COILED．Mind you，COILED，not CRIMPED．A COIL gives several times the elasticity that does a crimp．This COIL is what enables Page Fences to do with posts long distances apart．

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14 Shorthorn Bulls Choice Sootch－bred ones，for sale at
moderate prices． \＆W，RUSSELL，Richmond Hill，Ont． George St．trolley car from Union Station， PLEASE DON＇T Imarine beoanue we sold some oattile at Ham
ilton that we have none left to offer． some good SHORTE HAVE
female
HERNE
both malo and want any，write us specifoution，and wo will
tell you frankly whether we havi it
 MAPLE LODGE STOCK FARM


A．W．smeri，Maple Lodge P．O．，Ont． 갠Num



 14O－J配是ETE－1县O to choose from．74．First Prizes， 1904.
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young otock for sale． Soung trook

In answering

y advertis aDVO



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every possible test for nearly 40 years-the only one ever successfully given to suferers on its own merits.
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BOOK REVIEW Any book reviewed in this department may
be ordered through this office. (hook Gray, of the A. Galloway Associntary Gray, of the $\Lambda$. Galloway Association,
we have received a copy of Volume 14, animals belonging to this hares of 2,000 well thought of on the ranges. The
progress of the (ialloway within the progress of the (ialloway within the last
few years has been remarkatlo largely to improvecent in the breed by
the breeders. Attention has been drow to this breed quite largely by the ex
hitbits made at the leading shows which respect Wm. Martin, of Winnipe has been noted as a staunch supporter of
this shaggy-coated polled beef breed. The index shows, amongst other things, sca of points (not yet adopted), registration
and transfers, list of awards at airs, and several illustrations of wir
hers. The style of setting the pedigr style . of Scotch Herdbool vide preface). We prefer the style used
in the American Hereford and in the American Hereford and Angus
books, and the Dominion Shorthorn book,
cossity
 Hackney stallions, which he will trado Canada. Mr. Cochran's horses won anany good prizes at the World's Fai Eoodly share of the awards at several
State fairs. The offer to exchang horses, which are a comparatively scarce quite plentiful, is $n$ novel idea, and
should prove a business getter.

Bishop Thorold, at a dinner party, told America. The chaplain of a large fri-
vate asylum asked a brother clergymal to preach to the inmates on a Sunda during his absence. Before going awny
he said, " Preach your best, for thouch insane on some points, they are very in-
telligent.," So he talked to them their dear little habies into the sacred gods. Tears, streamed down the face of When asked by the preacher aiterward
what part of the sermon touched his was thinking it was a pity your mother

Charles Dickens used to tell this stor about a clergyman: ."This preacher had a relative of a Conservative ditor, and as
the preacher himself aimed to be a Libthe preacher himself nimed to be a Lib-
eral leader in the district, he and the editor had often crossed swords. This
time the chance came to deliver a home thrust without a chance for either parry
or reply. At the coffin of the deceased, or reply. At the coffin of the deceased,
beside which the editor and other mourners knelt together, the preacher made tion to the welfare of all assembled, in Cluding the reptile now sprawling in Thy
rresence, who has freguently abused servant in the columns of his beastly
publ) ication. "-lirmingham Post

TRADE NOTE.
the well-known Nand himhly sucuessful Brandon. Mran., under the name of a 1st of March. Who assume control the new firm will con
Thet allairs with the same Wise and persistence that was characte
$\qquad$

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