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oover un an old plaster oeiling, give us partio-
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## 


HOMESTEAD REGULATIONS.

 of afamily, or any male over 1 is years of agea, to
the extent or one-quarter section of 160 acres,
 situate, or ii the homesteader desires, he may, on
application to the Minister of the Interior,
 someone to make entry for him.
The homesteader is reauired to perform the
conditions ooneoted therewith under one of the
tollo (1) At least six months' residence upon and
colltivation of the land in each year for three
years (2) If the father (or mother, if the father is
deceased) of the homeoteadir resides apon
den
 such person residing with the father or mother.
(3) If the settier has his perranent residenoe.
upon farming land owned by him in the vioinity
of his homestand the reavirementh as to reasiof his homestead, the requirements as to reai-
dence may be satisfled by residence apon the
gaid land. Six months' notice in writing should be given
to the Commissioner of Dominion Lands at to the Commissioner of Dominion
Ottawa of intention to apply for patent.1
w. C. CoRY.
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tisement will not be paid for.

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cels in pulverizing a seed-bed, in fitting cels in pulverizing a seed-bed, in fitting
up corn or root ground, or at any diffior full particulars.
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 contagion.
Thins.
to install. $\underset{\substack{\text { Thee are } \\ \text { conted } \\ \text { cor ment }}}{ }$
C. RICHARDSON \& CO., вох 500 .

THE SPICE OF LIFE A farm laborer who was getting married found that he had not enough money
with which to pay the minister's foe We which to pay the minister's foe-
He promised, however, to pay him in potatoes when they were ready for digging
up. The minister waited for some time but no potatoes were forthcoming; so hic called upon the man and inquired th
reason. $\stackrel{\text { reason. }}{ }{ }^{\text {Well, }}$
was the reply, "I'd like to to give youre, the
potatoes, but she ain't worth potatoes, but she ain't
The youth was in danger of driftin into bad courses, when one of the noble
people who interest themselves in such cares, says an English paper, per-
suaded
him to accer suaded
a farm. Alas to accept employment on
a week later the lad roappeared in his orld haunts. What, James!" exclaimed his ben Pactor, reproachfully. "Back again
Why didn't you stay on the farm? Why didn't you stay on the farm?"
"I id couldn't stand the country, sir,
answered the born London guttersnipe. answered the born London guttersnipe.
". Too quiet for you-eh? ."
'/ Oulet ? Not Quiet ? Not arl ? Much too nolsy
cried Jamen. "' Why, crikey, sir, it was friir deafenin' ! Wot w1' the row of the birds in the daytime and the noise of
the silence at night, I very near went off the silence at night, I very near went off
my " That speech," said Bird S. Coler,
anent a political address, " was ungraanent a political address, " wès ungra-
cious. It reminds me of a Scot's speech to his wife. "i The Scot had married for the second
time. His new mate was sentimental and a little morbid. She could not re-
sist asking her husband now and then if he loved her better than he had loved
her predecessor. her predecessor.
i.
i. She would sa
'Do I more than fill Jean's place in
your heart, Jock? ? your heart, Jock?"
.. AAre ye sure ye're no' regrettin'
Jean, laddie? ? ".' Jock, do ye lo'e me betber nor her ?'
.. The man bore several of these examinations patiently. Then he ended
them once for all with a gruff. them once for all with a gruff:
,. Tak' ma word for it, Betty, if Jean
was livin' ye wadna he hern', was livin' ye wadna be here." "
"There was a time," said Senator
Scott, of West Virginia, when my colScott, of West Virginia, when my col-
league Ekins was a hustling young
freight agent in New Mexico. His office was a box car, and his principal troubles
were in making his receipts were in making his receipts of fretght tal-
ly with his bills of lading. One day he had a carload of household furniture
switched to his siding. The seal of the car door was quickly broken, as young
Elkins then, as now, always liked to keep up with his work. He was greeted
with the bray of an ass ns the door slipped back on its rollers. The bill of
lading was at once scanned, but there was
nothing lading was at once scanned, but there was
nothing to show that the anlmal should
he a passenger on this particular car. The goods were all checkedo outc, and then
FIkins wired the general office thus : $\cdots$ I'm a bureau short and a jaskass
long on this carload of furniture.' long on this carload of furnture.
A Atter a little delay the answer came,
All $O \mathrm{~K}$. The burealu ta a burro.;

August belmont at a certain directors'
meeting, was descrithine a meeting, was descrifing a fraud that had
heen brought to light in a proposition
laid before the laid before the board.
.. " These gentlemen," said Mr. Belmont, "gave thrmselves away. They stood
onnvicted out of their own mouths. They onvicted out of their own mouths. They
were tike the innkeeper's famfly that con-
ducted the weekly rafle. keys, ducks, youns thigs brizs bets of ere egrs
and such like rural commodities. A
 hand in the hur and drew a disk for each
neculator in turn. The person whose
oumber was the hichest ent the prize. Well. it had heen noticed that the
kerner's wite got the prize pretty fre-




Gold is a costly metal, but fron is far more useful. Genius may dazzle us,
but it is everyday goodness and plodding but it is everyday goodness and plodding
patience that keeps the world sweet and patience
healthy.'

Wise people use discretion in telling the plain truth about their opponents, but
foolish guys assume the role of knockers and then wonder why they get into trouble.-[Live-stock World.

Heroism is not alone in the dnsh chivalry or the heroic charge of the bat-
tiefeld. The one who stands faithful to the ordinary humdrum duties of life is also great, for these are the most portant duties at last.
" Poor fellow I His doctor tells him the only thing that will cure him is a
course of mud baths, and he can't afford to go to the mud springs."
".
But surely he can go into politics, and let the mud come to him." The Arkansaw Traveller man, who did
not mend his roof when it rained be-
cause be couldn't, and didn't mend it when cause be couldn't, and didn't mend it when
it was not raining because lie didn't need It was not raining because he didn't need who lets troubles settle themselves ; but did you ever stop to think how many
things do straighten themselves out in the best way when you five them a chance?
Among examples of American humor re-
ently given in the Nineteenth Century antly given in the Nineteenth Century
and After is a story which a bright orand After is a story which a bright or
nament of the English Bench is said tu have told more than once.
A speaker in a western town had
atarted out to show that there mikht be atarted out
great differences between national and
local great differences between hational and
local reputation. He had said, . A man
can't always tell what his neightors think can't always tell what his neighbors think
of him," when he was interrupted by one of him,"" when he was interrupted by on
of his hearers. "I came mighty near knowing once, said the man, with a reminiscent lo
". but "but the jury disagreed."
"During the taking of a relighous
census of the disurict of Columbla the
past winter," relatea a representative
 ladies who were engaped in the work
stopped at my home on Capitol Hill, and when the bell rang it was answered by
the negro boy I brought from Tennessee the negro boy I brought from Tennessell
with me. The ladies asked him: "Will you please tell me who lives here? "Yessum; Mistah Johnsing," was the
answer. .. Is he a Christian ", answer. "Is he a Christian?"" "No
màam.
nerseo

```
nothing to him.
```

It is told of a certain New England
farmer that he one day set forth to pur-
farmer that he one day set forth to pur-
chase a cow from a neighor who had one
to sell. The negotiations had reached a
to sell. The negotiations had reached a
about agreed to would-be purchaser had
owner sald:
I really think that i oucht to tell
a reaty think that I oupht to tell
is all I have said that she was in regard
to the quantity and the quality of her
milk, but I will own up that she is hard
tilk, milk because she is such a kicker.
You never know when she will kick you
over.,
"Oh, that is all right," said the would
be purchaser. "You see, my wifo does
the milking at my place ",
In a village in Marylind an old deacon
in whaving himself on Sunday prior to
church time made a slight cut with the
razor on the extreme end of his nose
Quickly calling to his wife, says the
Phile
Philadelphia Ledyer, he asked her if she
had anv court placter in the house
had any court plaster in the house.
" Youn will find some in my sewill
lonsket."she said.
The dearon son had the cut coverefl
A1 church in assistine with the collection
he coticed ond
he noticed everyone smile as he passed the
plate. and some of the younger people
lauched outright. Very much annoyed.
he asked of his assistants if there
was anything wrong with his appearance.
Was anythine wrone with his appearanc
"Well
swored the should say there was." an

# Farmer's <br> perseverf and sucgete <br> <br> and Home Nagazine. 

 <br> <br> and Home Nagazine.}

## EDITORIAL

## Farmers and the Tariff.


#### Abstract

rratulate themselves on the able, clear and for- cible presentation of their views on the tariff question before the Government Tariff Commission at their sessions recently held in Quebec and of the agriculturists what is known of the callbre of the agricultar will be presented with no with be presented


At Montreal the Huntingdon County farmers were represented by a deputation. Mr . Robert
Gellars, their spokesman, represented them as the voiceless multitude," who rise before dawn and etire long after dark, who toil long and arduous$y$ in fair weather and in foul. who are the real exponents of the simple life, who have practiced the art of self-denial almost to the point of per-
fection, who are obliged to look at both sides of fection, who are obliged to look at both sides of
every doliar-the Canadian farmers. Mr. Sellars Irew a striking comparison betwen the farmer and the manufacturer, and concluded that if the denial and self-sacrifice that is practiced every day hy farmers all over the Dominion there would be no cry for higher protection. This deputation hemselves on record as being in favor of letting the tariff stand as it is, or, at least, not increas-
At the meeting of the Commission in Toronto last week the case for the farmers was ably ad-
vocated hy Mr. James McFwing. President of the -armers' Association of Ontario; Mr. W. F. W. isher. Secretary of the Dominion Grange: Mr .
F. F. Drury of Simcoe Co.. and others, and from their showing, the Commission must have received a very vivid impression that, in any revision of the tariff. the greatest constituency of producers of disposed to submit to the increases in duties homg asked for by many in other lines of businass without a vigorous protest. Mr. McFwing wreatest wealth-producing class in the Dominion;
that they are alsa the greatest consumers, and that they are alsa the greatest consumers, and. ariffegislation. He presented the resolution rs' Association, which declares acainst any inbritich preference, and declares the opinion that If the principle of maximum and minimum tarffs 1... adopted, the maximum tariff should not be wreater than that at present in force. Increased arif. he claimed, would result in decreased con-
vimption of goods because of the higher prices, Ind the decreased volume of imports would cause " loss of revenue. Thus, the increased duty would ime impose a burden on consumers by adding to he cost of living. In support of the contention that the tariff cannot aid the general farmer, he thoted trade statistics of 1904, showing that in hat year the imports of hogs and hog products trorts of similar Canadian products amounted \$13.524,600, and declared that no tariff on
ter and grain, some of these shoring even greater
disparity than in the case of hogs. And these figures, he claimed, show clearly that the price figures, he claimed, show clearly that the price
which farmers obtain for their produce is fixed by the condition of the foreign market to which quite useless as a means of raising the selling price in our home market. Mr. McEwing also showed that in some instances no duty is imposed where a duty might help the farmer, as in the case wool were $\$ 1,319,000$, and o. 1 r exports $\$ 315,000$ while of hides our imports were $\$ 4,775,000$, and our exports a little over $\$ 2,000,000$. Here was case where protection might help the farmer, but dian manufacturers of leather and woolen goods reap the benefit. It was stated by the delegation that the chief products of the general farmer in Ontario are butter, cheese, hogs, lambs, wool and poultry products, and that in all these, except hogs, the United States market prices arc usually higher than the Ontario prices, and this being so, the Ontario farmer is protected by what may be called natural conditions, and he cannot se benefited by any tariff imposed on product similar to his ow
Mr. Drury, speaking as a practical farmer, and circumstances of the general farmer while on his tours as a speaker in attending Farmers' Institute meetings throughout the Province, dealt with the amount by which the farmer's living is in creased by the tariff, giving an account of an actual case within his knowledge, of the expenditure, on an average well-to-do family on an On tario farm of 200 acres- 100 acres in cultivation 20 acres in pasture, the balance wooded-placing heir expenses in the purchase of dutiable goods implements at the lowerage anure of $\$ 3880$ which with come other items brourht the which S429.17 the average duty on these being about 30 per cent. would make the taxation a little over $\$ 130$ He further claimed that the indirect Anert due to this system of protection to Canadifficulty of securing satisfactory farm help, ow ing to farm hands going into manufacturing towns and aetting a job when they wanted it, and that The lahorer was not therehy benefited in the end The eeneral feeling of the farmers, he said, was like to see the British preference increased, be cause this would give cheaper goods, such as we have to buy, and facilitate our export trade to Fngland, now hampered by the difficulty of obtaining return cargoes. If the maximum system is to be applied against commercially hostile countries he contended that an exception should me made in agricultural implements, which, when imported at all, came from the United States. In concluding. Mr. . the country depends upon the maintenance of reasonable tariff policy.
Mr. McFwing, in conclusion, said: "We wish the manufacturers Godspeed in their race for prosperity, provided the prosinerity secured is due to
their own efforts, but we emphatically protest against any movement lobking towards empower ing them to take toll of our earnings by means of legislation." Meetings will be held by the Conmission at other points in Ontario, and it is

The Royal Show Again Migratory.
The annual exhibition under the auspices of Re Royal Agricultural Saciety, for over sixty ant and wales until three years ago. Than, owing to the great expense of fitting up new show grounds, and for other reasons, including a declining revnue, it was decided to locate the show permanently in the vicinity of London, where a valuable property was secured and what were intended to be permanent buildings erected, in the hope that the city people would be attracted by the exhibition and an increased attendance of country people as well. This hope, however, failed of realization, the citizens of the metropolis evidently not being aware of the presence of such an important population supplied even fewer visitors than when the show was held in provincial towns, the result eing a financial loss each year so heavy as to discourage the Councll of the Society from conInulng the show fn what was designed to be its permanent home.
At a special meeting recently held it was decided by a: unanimous vote to accept the invitation of a deputation from Derby to hold the Royal Show in that eity next year, and the date was fixed for June 27th to 80th. The experience
of the Royal Soclety in regard to a fixed and permanent home for its shows differs widely from that of the principal fair associations of Canada and the United Statos, which have proved to thefr satisfaction that the settled show with permanent buildings is more successful in every way than the peripatetic show, and would not consider a propsition to return to the old order of things.
Without claiming familiarity with all the circumstances, we have a suspicion that the recent decision of the Councli to economize by reducing. expenses of its oncers. might well have been armore enterprise shown in advertising the fact and the location of the intended permanent show, the esult might have been such as to have avoided he necessity of again going the rounds of other centers.
Our friends on the other side of the sea do ot appear to realize as we do on this side, the alue of printer's ink as a factor in swelling the ecord of atcendance at a fair, and the consequent

## Open-air Treatment for Cattle

 It is understood that the Dominion Minister of gricuture has authorized the veterinary Departthe Nappan (N. S.) Experimental Farm cattle of acted some time since when subjected, which reerculin test, first by Dr. Hall, V. S., of Amherst and subsequantly by Dr H Frink V © o St. John. The idea is to submit both those which reacted and those that did not to the same pen-air treatment as is now resorted to in the ase of human beings affected with tuberculosis. will be isolated, a series of experiments may be carried out to determine the curative action on cattle of the outdoor and nutrition system of reatment. The importance of the subject would Yeem to make it desirable that the Dominion veterinary Service should institute such an in-vestigation, and under the competent direction of Ir. Rutherford. Veterinary Director-General ar r. Rutherford. Veterinary Director-General, ar-
the Farmer's Advocate
and Home Magazine.
this leading agricultural journal in the
THE WILLIAM WELD CompANy (Latten)
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(so insuen per yoars ADVOCATE in pullebbed every Thuraday

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ddroes-THR FARMER'S ADVOCATE,
THE WILLIAM WELD COMPANY (Lnated

## Raising the factory Stondero

One of the subjects down for discussion al the district meetings of the licensing of cheese factories and creameries, based upon some system of inspection and subsequent oversight. A couple of years ago this subject was raised in the "Farmer's Advocate," and discussed at considerable length at that time and dairymen should give the subject
tion. so that at the meetings they will be pro pared to take part in be in a position
victions and back them up with facts and arguments
the licensing idea has
lly received
omething burdensom
hen the question was debated in these colum before, that there would be a loss of individua ontrol and initiative among the factories which ppears to be regarded wit appears
ntario condition
the subject had been
aid: ' Now, look here,
Association organization)
and you are fust
wist.' I replied
this Province, a
he da'ry world, a host of first-class mak... keep their factories in sanitary cond
keep themselves
hat are careless
tions around thei
make it practically in The position. then, is simply this

Should they be permitted to produce an inferior class of stuff which will compromise the reputation of our dairy prodacts in the eyes of the consuming public and in the men whose factories and whose methods are up-to-date? Licensing would whose methed aringing the unfortunate excephave the standard of the better class, and would work them no real hardship. In fact, a proper ly-planned and administered system of licensing should, in reality, have the effect of benefiting them. What we desire to work out is some system in advance of what we have now that win do the greatest good to the greatest number What say our dairymen

## HORSES

What the Hackney Is and Was.
There is no type of horse so little understood or appreciated as the lackney, the desire to entertain what chimes with our own personal ideas
rather than to achieve accuacy, and, lastly, because the type was unfortunately made a fad, and run into the ground. Trotting men forget that the Hackney is world over. Thoroughbred men overlooked that he is a trotting Thoroughbred, pure and simple. The Hackney is somes of trotter and Thoroughbred as well as qualities which neither possess. bred, does not conflict with either type when con-
He sidered aright, but is the link which connect. ness. He is one of the oldest types of horses in existence, and was the distance-coverer before the days of the railroad, and the trocters and it carly fifteenth century were Hackneys, and
should be remembered that this same Norfolk trotter, besides producing the famous and showy trotter, besise cut quite a figure in the production
Hackney, also
of the Ainerican trotter, as shown by the Hackney of the American trotter, as shown by the Hackney
and the famous Handletonian families, both tracing to the one com
and maternal lines.
In the far-away days the Hackney performed what were wond from the possibility of to-day's equine regarded irom These include the werformances in
standpoints. Tho
1794 of Ogden's mare, who trotted four miles in 12 minutes 14 seconds; she also went forty miles
in three hours, ten miles in 32 minutes, and in three hours, ten miles in 32 年inutes, and
thirty miles in two hours, troting and carrying
in the saddle 250 pounds. The trotter has been in the saddle 250 pounds. The trotter has been
aeveloped for speed and. light-wagon work, but
we can develop the Hackney for heavy-carriage we can develop the Hackne the same line of ex-
and heavy-road work along to
cellence. if the trotter is to be bred to do it he must be merged back into the Hackney type, for no other type of horse ever has been and none
probably ever will be found to equal it along
those special lines. Another great Hackney was those special lines. Another great Hackney wa
Phenomena, in the early part of the last century,
bred by the popular Sir John Astley in Norfolk bred by the popular Sir John Astey in Norfor
sired by Othello, a trotter or Hackney horse, dam being a half-bred mare. She trotted 17 miles in
56 minutes, and was matched to duplicate the performance. when she went 17 miles in 53 min
utes, four of these niles being covered, consecutive utes. four of these niles being covered, consect age
Ii. in less than 11 minutes. At the advanced age
of twenty-three years this wonderful mare went Gov 24 , J. Finton sent his mare a mile on the
Sudbury road in 2 minutes 58 seconds. and sh
 rotted it in 9 hmars 56 minutes and 57 seconds
overing the first forty miles in exactly four hours demonstrating the wonderful possibilities of the
Inackey as a carriage and heaveharness horse
13t they must be hrod. shown and demonstratel Trom the wility standpoint. rather than from that
of the show standpoint. Col. I. I. Torrey. nevar. Wot hred to has bow over 1,000 half-hred Hack
 have done son miles in ton hours. time and again

The Cost is Small, Yet the Returns TIT YAV whn gain that was tarkine

Administering Medicines to Animals.
The art of administering medicines to animals without endangering the life of the patient is not
as simple a matter as many think. This is especially the case when the medicine is in a fluid state, and is given by the mouth. When fluids. are rapidly poured into the mouth of a patien
whose head is elevated for the purpose, it is no whose head is elevated for the purpose, it is no
uncommon for a greater or less quantity of th liguid to pass down the trachea to the bronchial tubes and cause more or less serious trouble, ac cording to the nature of the liquid and the quan
tity thereof. This unfortunate occurrence results from different causes. If the animal's head be elevated and a fluid poured into the mouth, it at once reaches a box called the pharynx, just beyond
the root of the tongue. From this box originates the gullet and also the windpipe or trachea, the entrance to which is guarded by a valve. If from any cause the fluid is not swallowed promptly the
pharynx becomes full, and after a short time the patient is forced to breathe. The expulsion of patient is forced to breathe. The expulsion o a consequence, a greater or less quantity of flui
enters the larynx and passes down the trachea enters the larynx and passes down the trachea
the hronchial tubes. This causes the patient cough more or less violently. If sufficient fluid passes down to fill the tubes the animal will die
from suffocation in a few minutes. This occur more frequently in pigs and sheep than in the larger animals, but its occurrence is by no means uncommon in cattle and horses. If a less quantity passes it sets up what is called mechanica
bromchitis, and if the amount of fluid in the tubes be quite snall it may become absorbed, and the animal recover, while, in other cases, the patien suffers for a few days and eventually dies, not
withstanding the most skifull trealment. There are different reasons why this unfortunate acc dent occurs during the administration of fuids
to animals. There may be a soreness of the to animals. There may be a soreness of the
throat which prevents the animal endeavoring to throat which prevents the animal endeavoring to
swallow on account of the pain it causes; there may he a partial or complete paralysis of the muscles of deglutation (swallowing): there ma be merely a stubbornness on the nart of the pa-
tient, or the fluid may be introd iced in such large quantities that he cannot swallow it fast enough In order to safely administer medicines in this serve closely whether the patient is swallowing
and to pour only a little inta the mouth until he commences to swallow. There are many methods instruments, and are practiced only by veteriprinciple of a druy in a fluid form ander the skin he intravenous, injecting it into a vein, the these methods, to be successful, and avoid unto-
ward results. require great care as rugards clean liness of medicines and instruments, and it is nec-
essary to have instruments especially designed for the purpose, hence are practiced only by veteri-
nary practioners, who practice these modes of administration where practicable, as the actions are
inore certain and more auickly produced methods are, in the form of powders, balls,
drenches, and the introduction of fluids into the mouth ont of a syringe. We will first discus the admiseration of medicines to horses. Pow-
ders are given either in damp food. in the drink-
ing water. mixed with water and given as a trench, or placed on the back of the tong te out
of a spoon. The latter is a handy, safe, and sure The powder is placed in a perfecetly dry spoon,
an assistant steadies the horse's head. and the with the right introduces the spoon into his
mouth, passing it well back, and unsets it. The powder drops on the ront of the tongue, dissolves
in the saliva. and is swallowed. Of course. when
the quantity is large, or does not dissolve readily This plan is not satisfactory, as the patient will
often drop more or less of it cit of his mouth.
When the appoter a very disagreeable taste. it is convenient and catisfactory to give it mixed with damp food, as
boiled oats, damp chop or hran. ptc. ${ }^{\text {The ad }}$ much practiced but it requires a little a skill is the part of the operator. The drug is made moist with water, treacle, or other moistening
substance. rolled into a bolus not more than cman and and 2nen
 Com
should be enclosed between the teeth it should horses, when crossed with the neat, active farm
not be forcibly drawn severe scarifications. It should be held quiet, and the left hand, which still holds the tongue,
used to get the horse to relax his hold. If the used to get the horse to relax his hold. If the
tongue be kept well out of the right side of the mouth between the molars he will not close very firmly on the hand that is in the other side of
the mouth. There are instruments called mouth the mouth. There are instruments called mouth
speculums with which thee mouth can be kept open speculums with which the mouth can be kept open
and the safety of the hand secured, but the farmer seldom has one of these, and the veterinarian seldom requires one for this purpose. With any of
these methods of giving medicines the principal these methods of giving medicines the principal
danger is a waste, and, of course, if some be wasted, more can be given. In drenching we must always allow for some waste, and at the
same time guard against injuring the animal same time guard against injuring the animal. In
order to drench a horse his head nust be held up. He should be backed into a stall or against some solid object that will prevent him from going backwards. A hame strap or something of that
sort is put into his mouth, a rope or strap atsort is put into his mouth, a rope or strap at-
tached to it and run through a ring or over a
beam and pulled beam and pulled until his head is safticiently high, or a stick may be attached and an assistant hold
his head up in this way. The operator now puts his head up in this way. The operator now puts
the neck of the bottle into the mouth from the
side and allows a little fluid to rum out side and allows a little fluid to run out. If he
swallows readily the drench may be allowed to
rian slowly, but if he does ran slowly, but if he does not swallow the roof
of the mouth should be rubbed with the bottle.
This usually causes him to swallow. His This usually causes him to swallow. His tongue
should not be pulled out nor his throat pinched as the latter will cause him to cough and open poir the fluid faster than he swallows. Some
people pour the fluid people pour the fluid into the nostril, but this is
very dangerous. If during the process of drenching the patient commences to cough, his head
should be immediately lowered; even though the drench be wasted. There is generally inore or less
waste in drenching, and if the waste exceeds the allowance made for such, more should be given a two-ounce syringe. The syringe is filled, the
hurse's tongue taken in the horse's tongue taken in the left hand and the
syringe introduced well back into the mouth with
the right a and the find syringe introduced well back into the mouth with
the right, and the fluid forced out into the
tharynx. He usually swither pharynx. He usually swallows it readily, and
there is little waste and no danger. Several syringefuls can be given this way, if necessary
Under no circumstances should sore throat be drenched in the ordinary way, but
lluids may be given with a morse with a fluids may be given with a syringe.
The administration of medicines
The administration of medicines to other class-
es of animals will be discussed in a future number

The Thoroughbred for Crossing Purposes
The breeders and stockmen generally of Mani$y$ realize the value of do not seem to thorough as a means of getting salable horses and generally improving our stock.
It is a popular idea in the great West of ours horse, or that when crossed with small a mares becomes the progenitor of saddle horses. It is true that he is bred almost solely for racing, but
that his usefulness ends there is a very mistaken hat his usefulness ends there is a very mistaken
idea, for there is no other breed of horse so thor oughly general-purpose. To this breed we owe
our ore the various Coach breeds, the Hackney, the hunter and the American trotter, or Standard-bred. Thoroughbred upon the foundation stock of the lirst three types mentioned, those types would son cease to exist. It is not found necessary
n producing the trotter to use the blood of this grand old breed to the same extent as in the iroduction of the other lighter types of horse, hough the practice is still in vogue with many here is noteders, and 1 am saie in saying that trains of this valuable blood in its pedigree, and in many cases very close up.
These facts should be proof alone of the value
the Thoroughbred for crof We have still further proof in the fact that, to uccessfully raise horses for the cavalry and ar-
illery, the Thocoughbred stallion must be used. reed will say, why will not some other type or
do equally as well? Simply because no ther breed has the stamina or conformation, "I it is generally known that for intelligence and strength of muscle and hardness of bone

- all essentials in horses of this class-the ThorMighbred has no equal, and is capable of transItting his own qualities to his offspring as no
ther sire. whether of the lower or higher order
mare, again the Thoroughbred stands unequalled
I do not say as high-steppers, but I do not say as high-steppers, but as carriage
and coach horses, for they transmit to their
offspring thet ele offspring that elegance of carriage and easy, frictionless action that is so much sought after in
the big cities, and that the Thoroughbred alome
possesses I do not wish it to be supposed 1 mean these crossing classes of horses can be produced by cold-blooded mares; such is not so, but one thing crossed every time the Thoroughbred stallion is right direction for improvement, for a cross of
". hot bor an blood " in the farm brood mare is always an advantage where general-purpose and light horses are being bred, as it gives her offspring
endurance and ambition; in fact, a cross of the Thoroughbred is essential in the brood mare if success is to be met with when using the Hackney
stallion, or any of the Coach-bred or Standard bred stallions for crossing purposes, as these breeds, or rather types, are themselves of mixed breeding, therefore they must have some of the
pure or " hot ". blood in their mates to give the pure or "hot" blood in their mates to give the
offspring sufficient stamina and style. To sum the whole thing up, why use sires of
mixed breeding which are not strongly enouch Thoroughtroduce thomselves, when by using the horse, and consequently strong enough to re produce where others fail, one gets, in a measore, what they are breeding to when using the greatest of breeds, care should be taken of this no undesirable vices or qualities in the horse selected, as, to a certainty. they will he produced
in every instance, so strongly doos he tpansmit


Senator's Roan Mina
Champion yearling Shorthorn heifer of three counties-Essex. Kent. and Elgin-1905. Bred and owned
by John Lee \& B Ons, Hikhgate, Ont. Photo by Farmer's Advocate representative at Highgate fair.
his quality to his offspring. The horse to solect should be of good temper, size and quality, with plenty of substance. Substance must not be tendency is to run to quality ralher than subIf farmers would use Thoroughbred stallions great Northwest would be world-famous for this equines. It is such tactics as these that have made and kept Great Britain Justly famous for producing most of the finest horsos in the world
I am sure I have said sufficiont to show in 1 am sure 1 have said sufficiont to show in
some small measure the value of the Thorough bred. But chapters could be written on their ex cellence and uses, and then not exhaust the supply
of material wherewith to write. That these line of material wherewith to write. That these line
may help others to help the industry in the righ may help others to help the industry in the righ
direction, is the sincere desire of
Sask

An Old Country embargo-off advocate says Trief but has shownits hand "" not mastered it shown its Land; the "Farmer's Advocate" a ways speaks out, has the manliness to fight the
cause of its readers, speaks its own mind cause of its readers, speaks its own mind, and does
not fight from behind the defences. The Dundee man might as well own up. "We have a lot of money invested in wharves and lairages from embargo remains.

STOCK.

## Dentition in Cattle

the specification adopted in connection with testing the ages of cattle by their teeth, is as follows, and is interesting as showing the dentition in such animals at different stages of growth: have all of its milk (calf) incisor teeth in place. Fifteon months.-At this age center pair of incisor milk teeth may be replaced by center pair of ing through the gums, but not yet in wear Eighteen months. - The middle pair of permanent incisors at this age should be fully up and in wear, but next pair (through cut the not Twenty-four months.- The mouth at this age will show two middle permanent (broad) incisors fully up and in wear, and next pair (first inter-
mediate) well up, but not in wear. Thirty months.-The mouth at
show six broad permanent incisors, the middle and first intermediate pairs fully up and in wear, and the next pair (second intermediate) well up, but
Thirty-six months.-Three pairs of broad teeth
should be fully up and in wear should be fully up and in wear, and the corner
milk teeth may be shed or shedding with ner permanent teeth just appearing through the $\underset{\substack{\text { gums. } \\ \text { Thi }}}{\text {. }}$ Thirty-nine months.-Three pairs of broad
teeth winl be fully up and in wear teeth will be fully up and in wear, and corner
teeth (incisors) through gums, but not in

## Contagious Cattle Abortion.

At the annual Autumn Conference of the Scottish Chamber of
Agriculture, held
in Perth Agriculture, held
in Perth 1 as t
month, a resolumonth, a resoluthanking the
British Board of
 appointing a De
partmental
Comnittee on contag-
ous a.bortilo.n among cattle.
Mr. W. S. Fer guson $_{\text {, }}$ seconding
said no scourge cost the scourge tagious abortion Some had been able to keep it in heck. A grea be breeding stock Were it not for
this scourge. The
ate Principal Willate Principal Williams had taken
up the subject
but he was but he was a
little in advance of his time. What he at the service of those now engaged in making
en n uil r
y . The enquiry. The
Highland Society
had at had at that time
but that did not voted $£ 200$ to the Principal, but that did not enable him to touch more than the fringe of the
subject. For the present enquiry the Highland had given £500, and the Treasury had voted £4,000. No doubt more money would be given if
it was shown that this was well spent. Hitherto they had been groping in the dark, and did not know what they were dealing with. What breeders wanted was scientific information on this subbect, Mr. Alex. Pottie, V. S., Paisley, wes under stood to say that he had an effective cure for abortion; that, provided his system were perse-
vered in for a reasonable length, of time, the scourge could be stayed. He seemed to be arguing that his system should have a fair trial from the
Departmental Committee. He had stopped the pepartmental Committee. He had stopped the
disease in hundreds of places, and there was no need for elaborate investigation if this were so
It did not matter what theory he It did not matter what theory he proceeded on if the end aimed at was gained. Fvidence and
reportss of experience should be taken from all
parties. parties.

## Wanted.

OUR READERS TO USE THE " WANT AND FOR SALE" AND " POULTRY AND EGGS" COLUMNS FOR THEIR ADVERTISEMENTS. THE FARMER'S ADVOCATE AND HOME
MAGAZINE, LONDON, ONT

Winter Feeding of Beef Cattle.
The fact that either winter feeding or summer grazing of beef cattle has not been satisfactorily profitable for one season is no sure indication that the following year will necessarily show as do those for cereals and dairy products, and the next year may bring higher prices for one and lower for others. One of the lessons to be learned from an unfavorable year or a dectinds market is that the product ofs the highest price. Another lesson is that the product most cheaply produced, the quality being cqual, brings the most profit. Since few farmers who practice feeding beef cattle raise as many as they require to consume the winter feed, or the pasture they have, but depend upon buyily a lart or all the cattle they feed, it goes without saying that their pro:it or loss in the transaction depends largely on the class of stock purchas the feeder endowed which they are bought. Were to correctly predict market prices six months in advance he would be in a position to buy with a feeling of comparative safety, but while that gift is withheld he has to take chances in this line of business, as most men
have in others, and the best thing he can do, havhave in others, and the tost secure as good a class of cattle as he can, and at as low a price as he can buy that class; and then feed them as gaine gain in weight to have them in condition to bring the weighest market price at the time he wishes to sell.
whether the outcome will spell profit or loss, or Whether the outcome will spell profit or loss, or
nerely holding his own, will depend on his skill merely holding his own, will depend on when he sells. The object of this article and of a series
to follow is to endeavor to throw some light on to follow is to endeavor to throw some light on the problems of buying and feeding cattle with a
view to econonyy of production, in order to secure the best results, so for as the feeder can control the situation. One of the difficulties in securing the class of cattle one would choose to fed-and it is a somewhat serious dimcuth-is the god-doing steers or heifers available in this country, owing to the neglect of farmers, to use a good class of pure-
bred bulls of the beef or dual-purpose breeds. The bredefit of all concerned of improving the stock by this means is a lesson the average farmer ha
been deplorably slow to learn, despite the oft been deplorably slow to learn, despite the oft
repeated reminders of the market reports and o repeated reminders of the market reports and of
writers in farm papers. Under existing condi-
Unse tions, the best that can be done is to "take time by the forelock " and keep a look-out for possible
bargains some time before the cattle are needed to put on feed, securing a good one or a few when they are found and can be bought right. If these cannot be secured near home, the next best
thing-and sometimes it is the best-is to occasionally visit the cattle market in some good center, and keep a lookout for a carload of a use ful sort not sufficiently finished for the export at a price likely to allow a margin for profit on a few months' feeding. The railway companies, we understand, make special reduced freight rate on stock shipped out for feeding and returned $t$
the market by their road, and the banks are gen the market by their road, and the banks are gen
erally willing to loan money to farmers on th
security of the cattle when marketed. So that security of the cattle when marketed. So that,
if a man has a sump of forder and other feed
ind to be disposed off, and has not the ready cash
pay for the needed catte to feed, he may,
willing to take the risk of borrowing money market his feed through catle to letter advantage
than he co.ld in the raw state, and have at luast arease the fertility of his land. And if hie bus and feeds judiciousls, the gan in "emght of th
cattle is likely to let himh out sumbly, ©ien whous



It requires but few words to describe the prof
itable feeding steer, but unless the buyer ha itable feeding stecr, but unless the buyer has
been observant of the difference between good and common or scrub cattle in this respect, and has had some experience in handling the better class, he may make serious mistakes in his selections.
He will be in danger of preferring size to quality, smoothness and thriftness, and may find that he has a lot of cattle lacking in uniformity, of a bad
type and hard to sell to advantage. If he has type, and hard to sell to advantage. If he has
not confidence in his own judgment, he may do not confidence in his own judgment, he may du er in whom he has confidence.
The good-feeding steer or heifer will show the characteristics of some one or more of the pure-
bred bee: breeds in color and conformation, will bred beef breeds in color and conformation wio
stand on short legs, will have short, broad head and a bright eye, a broad muzzle a short, thick


A Good Feeding Sort
and deep ribs, a strong back and loin, long, level quarters, long thighs, well filled in at the junction between the fore legs, the fore ribs and flank well let down, will have a good coat of soft-handling hair, a loose, soft-handling skin, and a quiet A two-and-a-half-year-old steer of this description should weigh about 1,100 pounds in good, thrifty condition, coming off the pasture, or when put in the stable for winter recding. The differ-
ence between the class of steer described and a common or a dairy-bred animal is that the former will lay on flesh of a. good class rapidly on the back, 1 oin and ribs, where the best cuts are
found, and will make rapid gains in weight, whild the other class will put but little flesh on his back, but will flll up inside with tallow, a low-selling product, and will never have the appearance that
takes the eye of the buyer and brings the best price, takes the eye of the buyer and brings the best price pound less, while his gain in weipht will also be
much less than that of the beel-bred steer, and much less than that of the beef-万red steer, and
there is little chance of any profit on his feeding there is little chance of any profit on his feeding
It is well to buy not later than November for winter feeding, as after the grass becomes frozen it is less nutritious, and the cattle are failing
rather than gaining in condition, and this loss rather than gaining in condition, and this los.
has to be made up before any gain can be madc has to be made up before attle bought in the mar-
However, we have seen cat
ket in Iecember which have mado satisfactor ket in IJecember which have made satisfactory
cains when stabled and wisely fed. gains when stabled and wisely fed.
The feed at first after stabline should be main ly roughage, as straw, hay and ensilage, with a mupplemented with a light meal ration after the
surst week or two, and graduall imereased. The
limestion of the advantage or otherwise of light

## Shorthorn Registration

I beg to draw attention to the fact that entries Olume 22 of the Herdbook will be closed on the 31
December, 1905, and if breeders wish pedigrees December, 1905, and it breeders wish pedigrees
appear in that volume it would be advisable for the to send them in as soon as possible, when the applications will receive our prompt attention. Volume 21 is now in press, and win be mailed to grees of 4,940 bulls, and 5,290 cows, or a total of grees of 4,940 bulls, and 10,230 ; also a list of prizes (awarded at the different exhibitions which receive our grants), together with the names of the exhibit Since the Record Office has been removed, a number f breeders have been enquiring as to the cost of regisration. The fees have not been changed, and are as follows:
Fees, invariably in advance


P'ostage stamps will not be accepted.
who apply. ${ }^{\text {a }}$ new form of registration certificate is now being ssued (with the railway shipping vouchers attached). Send in the old certificates and they will be exchanged for the new form at the cost of 10 cents each.
Kiep animals registered. It is a poor nimal not Keep animals registered. It is a poor animal not
vorth the fee necessary to record its pedigree. worth the fee necessary to record its pedigree.
Always state on the application form the number or volume where the dam is recorded. It would also kreatly aid, when forwarding pedigrees for registration
to write them legibly and correctly, and be careful to to write them legibly and correctly, and be careful to
give every particular required on the application form give every particular required on the application form.
1efore sending in pedigrees, their accuracy as to date
of birth, color, name of breeder, owner, of birth, color, name of breeder, owner, etc., should be
carecully checked. No pedigree will be received unless Carefully checked. No pedigree will be received unles
made on the printed application form of the Association, and must be certified by the breeder, his nccredited If care is taken in thuse points, much inconvenience,
Idlay and correspondence will be avoided. There are hundreds of breeders in every 1 'rovince who
are not as yet members of our Association. Note are not as yet members of our Association. Note the
small fee to join, $\$ 2.00$ per annum, which entitles the member to register animals at reduced rates, and if
there are four animals to record in one year, enoug will be saved to pay the membership fee. If not a teady a member, send in the name, and also tell neigh burs of the advantage derived from being a member.
The Association has, since 1895, distributed prize money amounting to over $\$ 25,000$ at the leading exhinitions and winter fairs in the various provinces. The
distribution of a liberal share of our surplus funds. distribution of a liberal share of our surplus funds, in
the form of prizes for the encouragement of a strong Che form of prizes for the encouragement of a strong
representation of the breed at the principal shows, has heen beneficial to the fraternity in advertising the Short horn, thus keeping in the public view the merits of the
urratust lireed of cattle yet produced. krwatwi lreed of cattle yet produced.
W. are now numbering the females, so that each cortiticate is numbered as issued. If there is not a
number on your certificate send it in, and we will put number on your certificate send it in, and we will put
it un and return promptly.


National Livestock Records, Department of Agriculture Ottawa, can be sent free. Send in your
prompt attention. $\qquad$ H. G. WADE,

## The Bacon Pig

Bacon hogs ready for the market should possess long, deep bodies, with straight or slightly archThe shoulders should be fairl closely to the body, and rounded nicely foined top from side to side. The bodies should the however, be any thicker through the shoulders at points more than half way up from the underline to the top line than through points at a similar
height situated between the shoulder and the The croup should slope but slightly from the loin to the root of the tail. It should be of
good length, and should maintain its width good length, and should maintain its width that of the body and shoulders
In short, a straightedge laid against the side
from the shoulder-point to the tail should touch at every point.
The ribs should spring out well from the spinal column, but should fall in fairly vertical lines once a deep-bodied rather than a round-bodied animal. The body should be carried on good stout, clean, straight-boned legs, free from weakness at
the pasterns and with squareset hocks. the pasterns and with square-set hocks.
The feet should be strong and compact, the animal standing right up on his toes.
The neck should be of medium thickness, with no tendency to coarseness
flabbiness head should be clean-cut, and free fron SUITABLE breeds As already suggested, pigs most nearly con-
forming to these requirements are found in great est numbers among Large Improved Yorkshires grades and cross-breds.
By "grade" is meant an animal the product By "grade" is meant an animal the product
of a purebred sire; that is, a sire registered or eligible for registration in some generally recog
nized herdbook, and from a dam not so registere nor eligible for registration, whether she have none or many crosses of pure-bred blood. By
"cross-bred" is meant an animal the product of a pure-bred sire and from a pure-bred dam, the
dam being, however, of a different breed from the Some of the more striking peouliarities of these duction are given below. These statements ar made after several years' experience of a varied character with each sort. Large Improved Yorkshires, white pigs, hav ing breed. In shape they come fairly early-matur ing ideal bacon pigs. They come very nearly be
ing idurnish a very large
proportion proportion of carcasses answering the require
ments of the best bacon trade. The hams are well developed, and the proportion of fat to lean is usually about right.
The sows are docile, good milkers, and very prolific. The boars are very impressive, seldom
if ever failing to leave a strong impress on their If ever failing to leave a strong impress on their
progeny. They are usually robust, healthy ani mals, but are not quite as well suited for pastur ing as are pigs from some of the other breeds.
Berkshires, black pigs with more or less white in the face and white points, have shown them-
selves to be not so prolific as some other breeds, selves to be not so prolific as some other breeds,
but to be very early-maturing animals. Their
admirers claim admirers claim for them such a superiority in
this respect and in their apparently superior powers to assimilate food as to more than make
up for the rather small litters which are not infrequently borne. In conformation they are not quite so well suited for the bacon trade as are some of the other breeds. They are very well
suited for pasturing, having few if any equals in this respect, and giving verv satisfactory returns,
indeod, while being fed in this way. They are luite free from the affections of the skin and other and red skinned sorts while on pasture. elves a quite prolific and fairly early-maturing on $\alpha$-bodied, but are not infrequently raider light n the ham. They are fairly rapid growers, but
are somewhat slower to come to maturity than are some other breeds. They cross well with
Berkshires and with the Targe Yorkshire. As Berkshires and with the Large Yorkshire. As
ires they are fairly impressive.-1.J. H. Grisdale
n Bulletin 51 .

## Tell Your Wants

TO OVER 30,000 OF CANADA'S BEST FARMERS BY ADVERTTSING in THE " WANT ANT FOR SALE" COLUMN OF THF, "FARMER's
ADVOCATE AND HOME MAGAZINE,"
LONDON ONT

## Dodder (Cuscuta epithymum)

 fuction and dispersal of pernicious woeds in grasses, hovers and other cultivated plants, is to be laid directwho import seeds from Europe or careless seedsmen, nearly all our worst weeds have come from that continent. During the past year, especially, there has been mported and distributed through this Rrovince a comparatively new weed, known as Dodder. Although there that has yet proven itself dangerous in in ontuly one Dodder is a plant that differs from the majority plants, in not being able to draw its food either from plants which live upon the the parasites, or to those ther plants. Dodder seed when placed in the soil plants, but instead of two green leaves there appears This the surface a contained in the seed has become exhausted when it throws out haustoria "suckers" at points where the stem comes in contact with that of the clover, and by fxing these sucking discs into the stem establishes a in much the enables it to draw the juices of the clover mon green-leaved plants draw nutriment from the soil. When this union is effected the dodder plant disconnects
itself from the earth, but still continues to grow very

Which he submitted to Dr. Fletcher, Ottawa, and whic proved to be dodder. In 1904 it had spread so as to
produce a sort of blight throughout the field. The alfalfa was cut once, and gave a yield of one and onehalf tons per acre. In 1905 stx acres were cut, and
gave a yield of about one ton of dodder stems and alfalfa per acre. The remainder of the feld the tenant did not consider worth harvesting, as the dodder had tenant should be legsoglly the crop. As to whether thil tenant should be legally responsible for allowing thi pernicious weed to go to soed repeatodly in the mids
of a magnificent clover-producing center, to the detri ment of not only the owner of the property, but po sibly the whole Province, is a matter I shall leave to
The history of its introduction is only a repetitio of what has often occurred before. The seed was im ported, offered for sale at a low figure, and, as a ro In Germany this weed has proven acomplishea ity, as it nearly forced farmers to abandon the growth of clover, and the above is evidence of what it is capa ble of accomplishing in Canada under favorable condiAs to methods of eradication: When small dodder
infested spots are first noted they should be mowed a closely as possible with a scythe several feet beyond
where the yellow vines are observed. Atter the velation has been removed these spots should be viaded tion has been removed these spots should be spaded
as cutting is not relliable. The small olustora of iower
at that produce practically all the seed are pear the roo
of the clover stem, and will often remaln on the atubb) of the clover stem, and will often remain on the atubbl
after the alfalfa has been cut, and there ripen thei seed. The writer examined a large number of then seed. The writer examined a large number of thes
dodder capsules containing seed, and found that those
produced at the upper part of the elover produced at the upper part of the clover atem wore practically barre.
filled with seeds.
Burning small areas is effective, but a considerable degree of heat must be maintained for several milnutee o destroy the sooas


This may be secured
ly covering the ground
with straw or ohav-
ing well covered with with straw or shav
ings well covered with
kerosene. For entire kerosene. For entire
nelds, cultivation with
hoed erops, such it hoed crops, such ia
roote or corn, or two
successive seasons, to successive seasons,
usually successful, buit
rotation rotation should be
modifled so as to lesve modified so as to loave
out loguminous plants
until the vitality of out leguminous plants
untit the vitality of
all seed remaining in the soll has been d
stroyed.
Unfortunately,
new Canadian se


 Toronto, " is proving
the very beot thing
that could poteifly the standard of soed, trade in Oan-
ada,
this wooed, not io thate
what we should uso every
precaution to
rapidly, even more rapidly than the clover, and as all soon killed. Thus spots resembling the work of fire in clover may be seen in infested fields where the dodde)
has destroyod all vegetation. By the time the first plant attacked dies, however, the tendrils have attached Chemselves to new hosts, which enables it to live on and eventually it forms masses of tendrils six or seven inches deep. These leafless stems produce densely clus
tered pink or white flowers, which are succeeded by rounded seed pods, each cluster producing about sixty sceds. These seeds will retain their vitality in the soil Ror five years or longer under favorable conditions.
Tests as to vitality have shown that the hall-ripe seed of this species will retain sumfient vitality to germinate almost as readily as the fully ripe seed. In some cases they germinate more quickly than the ripe seed, and was but litule inferior to well-ripened seed.
As a good example of the injury this weed may ac complish when it once becomes established, let me men tion a case in St. Mary's, Ont., where a fifteen-acre field of alfalia was in two years practically destroyed by thi
weed. The writer had the opportunity of visiting thi field several times during the past summer, and thi ough the courtesy of the owner secured the following informa
tion: The field was seeded down in 1902 with alfalfu oats being used as a nurse crop. Conditions being oats being used as a nurse crop. Conditions betng (wice. and giving a total yield of about six tons per
acre. The first indication of dodder was roted June 1st, 1903, when the owner found about a dozen small
round yellowish patches, which he attributed to the bursting of drainage tiles. In about two weeks, how
ever, these had spread so as to attract special atter Ver, these had spread so as to attract special, atten

## Our Western Letter.

It is the 10th of November in Alberta according to the calendar, but if you ask the man in the street he wher this country we do not judge time by the almanac alone. The election is over and everybody breathes a sigh of relief, for if ever a campaign was woven of the warp and woof of dirt and bitterness this one was, and now that the worst of the fight is over, let us hope that some of those who carried the persona question to the front and ignored the real ground of controversy between the chasly ashamed of themselves. cientiy to be tarted even, there was no previous The part to rake up, and while yet the page is fair record to rake up, and and does not this acrim-
shall we not keep it so, and shaious controversy in which charge and countercharge of corruption flashes back and forth from party to party, and from paper to paper, tend give the stranger within our gates the idea that in the Dominion of Canada political integrity, of even the semblance or at any price.
Charges of malicious malifeasance have been made by both parties, but nothing will ever be heard of them again. Yet, if these things are
true, they are a disgrace, and certainly they true, they are a tisgrace, and. It's up to the
should be probed to the bottom. should be probed tothe sides to put up or shut
representatives or both up-put up the proofs of statements made,
publicly withdrav the charges.
Enough publicly

The weather ! That's a cleaner subject for discussion. It's ideally beautifut these days, Day alter day Old Sol goes his rounds over a sky
as clear and blue and cloudless as ever formed the vault of heaven in any land. At night, from live to ten degrees of frost, and from ten o'clock sky, so that coats are needless, and work in that sky, so that coats exe exhiliaratings. $\begin{gathered}\text { But the people } \\ \text { clear sunshine is } \\ \text { in. other lands will never learn. }\end{gathered}$ A fow days ago in other lands will never learn. A fow days ago I met a landseeker from Nebraska who had been
told that it was not safe to come to Alberta in November; he would not be able to see the coun-
try for snow and ice. But this Yankee came, try for siow and ice. But this Yankee came,
and the felt boots aud double-lieece-lined, feltand the felt boots and double-reece-tinea, het-
paper-fur-side-in garments he brought with him can be saved for future use if he ever returns to can odd home in Nebraska, but if he does, what a
his
light he will be to the people of his own land! light he will be to the people of his own land

They-I mean the C. P. R. Co.-are building a new line from Lacombe eatward. at now extrain backs out-because it can't turn round at train back out or the line. There is only one one
the other end of ind passenger coach, and it it divided into three-one
part ofr regular passengers, then the smoker, and part for regular passengers, then the stoker, and last tue baggarge. is very interesting to see them
nire the express and freight out onto the open fire the express and freight out onto the open
prairie. One place is called Chigwell ; there is prairie. One place is called Chigwell, there
one store there, and not another building, One store there, and not another
lest you mivht miss the spot the owner has sign up, "This way to Chigwell store." day that may be a thriving town. for. after all,
the great things of this world had not great bo-
bor the great things of this world had not great ber
ginnings, nd even the mighty oak was one day a
Iiny secdling, scarcely worth a passing notice. Alix, ,t the present torminal of the line Alis.




 Listory is
Everybod
Erpassed
surpassedy the Garden of Eden it Woulth'! plense
 Toronto
Alberta.
Alberta. Opinic
are very dififerent
post in Toronto. alth wewh 1 donnt '...", no.n n article would be usictul, "specinlly ernment in that city: but quarter-section of land and
velopment of this country.
of wealth, and in the work there
out here. Yes, that a thousand time
pint she seess through other eyes than
come day she will prohahl


## Clover in Manitoba.

The impression had long prevailed that red clover, owing to the severity of the winters, and grown in the Province of Manitoba. The editurs of the Western edition of the "Farmer's Advocate," judging from what they had seen of sucat Brandon, and on the farms of a few enterprising farmers in different sections of the Province, and realizing the urgent need of the growing of some leguminous or nitrugen-gathering crop to renew the supply of nitrogen and furnish vegetable
matter to take the place of that being exhausted matter to take the place of that being exhausted
by continuous grain-growing, as well as to supply for stock-feeding purposes that best of fodders-elover-a year ago announced that the publishers
of the paper would give four silver medals to the of the paper would give four silver medals to the
men who grew the best crops of clover in four districts of Manitoba in 1905, and a gold medal for the crop which best survived the winter and
made a stand in 1906. A gratifving number of made a stand in 1906. A gratifving number of
farmers in eack district entered the competition, armers in eack, district entered the competition,
and the success of the seeding alter the harvesting and the success of the seeding alter the harvesting
of the grain crops with which, in most cascs, the seed was sown, was, generally speaking, quite satisfactory. In the case of two of the winning
entries the clover seed was sown alone, and in he other two it was sown with a nurse crop of barley, and it was somewhat surprising that, con-
tary to the generally-accepted theory, that only by sowing the seed alone could a good catch be secured, the competition showed that with a seeding of barley as good a stand of plants was
secured in most cases as where sown alone secured in most cases as where sown alone.
In the matter of seeding there was a wide variation in the amount sown per acre. As much as twenty pounds and as little as six pounds were sown, and the best resuls were from seed sown
at about the rate of from eight to ten pounds per
From the results of the competition, the editors have no doubt as to the feasibility of clover-
growing in the West. It, therefore, only remains growing in the West. It, therefore, only remains
for a more general adoption of the crop by those whose farms require renovating and those who
keep live stock to any considerable extent to keep live stock to any considerable extent
demonstrate on a larger scale the possibility successfully growing clover, a consummation which will relieve the minds of many who have been apprehensive of the future of Western farming owing
to the prevalence of the opinion that the crop o the prevalence of the opinion that the cro
would not succeed there, and that in course would not sucoed there, and that in course o
time the fertility of the land would become ex hausted, and farming, consequently, prove un profitable. The same misgivings were once enter
tained regarding farm lands in the Eastern Prov inces, but the growing of clover and feeding stock has saved the situation and demonstrated

## Manure Spreading-Ensilage Feeding.

1. For the past few years we have been drawing our manure out of the stable and spreading it direc
on the land, but as the snow is going away the wate
in the ditches close by the field are highly colored by in the ditches close by the field are highly colored by
the juice from the manure. Is this a waste, or is the julce from the manure. Is this a waste, or is
there no fertility in this color, as some claim? Do
you think it would be best to put it in sinall? heaps you think it would be best to put it in sinall heaps
(five or six to a load) and spread in the spring ? 2. From experiments conducted at Guelph, has it
been found advisable to feed ensilage with cut straw or alone?
2. We have a pure-bred aged cow, that calved in
February, 1904. She had been served regularly by February, 1904. She had been served regularly by
the bull until last May, when we thought we could not get her in calf, so turned her out to pasture, along
with a bull and some other cattle, but in about two weeks we noticed she had a large, udder. . We brounht
her down, and she has milked fairly since. What was Ans.-1. There is no doubt that where the drainage
anter from the surface of a field shows discoloration there has been considerable waste from the manure
which has been spread upon the surface during the winwher The method adapts itself to fields where there i
ter. Tharatively little surface drainage. comparatively little surface drainage. If the method
of spreading manure on the surface of the ground durinc the winter is judged by results, it seems to be a
very satisfactory one in almost all cases. Y Mour
cormspondent, however, seems to be an exception to
 her
the hamp each timu" whithe team and slicigh, so as to
puck it firmly and provent excessive fermentation. We
 straw. I may suy that I prefer the latter mothod for
two rapons my mixing cut hay, or straw with the
silage, I brlin. .he stock relish the food more, and also


"Farmer's Advocate" has had a similar experience, and can suggest a reason. It is quite possible that there was abortion.

## DAIKY.

## Sampling Cream.

When cream stands for any length of time the top layer will be richer than the cream below; this makes it necessary to thorouphy mix each
lot of cream by pouring from one can to another just before taking a samnle for testing. If the cream is lumpy it should be p.
fine hair-sieve before sampling.
Gathered-cram factories have, in some cases, adopted the following method of sampling cream :
Each driver is provided with a box of numbered Each driver is provided with a box of numbered
bottles having a capacity of about four ounces each, one bottle being provided for each patron.
This box is protected from heat in summer This box is protectea from heat in summer and
cold in winter so that the sample bottles of cream may arrive at the factory in nearly the same condition as when taken from the farms. This gives the buttermaker a chance to inspect each patron's
cream and locate the defective lots, if there are any. After inspection at the factory the samples are poured into composite sample jars which contain a preservative; no preservative is added to
the bottles taken to the farms by the man he bottles taken to the farms by the man who
weighs, samples and gathers the cream, but he mast protect these samples stron cranges caused by heat and cold during the difierent seasons of
the year. In some factories each lot of cream Ine year. In some factories each hot of cream re-
ceived is tested, as this is considered more ace curate and satisfactory than tests of composite samples. Cream should be sampled with a tube or some arranement that gives the same aliquot ortion of each lot. When the composite samples are lested, the cream should be weighed into the Babock cream test-bottles. Measuring cream with a
pipette of any kind or size does not sive accurath results in testing with the liabocock test. In
Wisconsin the law requires the cream should be Wisconsin the law requires the cream should be
tested by weighing into test bottles. lested by weighing into test bottles.
Testing cream accurately requires greater care than testing milk, esplecialy in in reading the carer
cent. of fat. The short-necked cream bot thes graduated from 40 to short-necked cream per bethos n opportunity for exact realings, because the
column of fat is so wide that the menisus include nearly one-half of one per cent. fat, and nicertain readings that may be either too hich or
 han onc-half of





How First-prize Butter was Made.
method followed in in the making of the butter which won
list on awn first award in the section for 56 theound bor which woon
crramery at the Canatited In the frrst place 1 would state that our creamery
a part of the manufacturing plant known as the is a part of the manufacturing plant known as the
Canadian Milk Products. situated at Brownsville, Ox-
ford Co Cont ford Co.. Ont. Our main line of manufocture is is, dried
milk powder, but we also make considerahle quantitites of butter. Our supply of make consideratile quantities market demands a frst-class grade of powder, it is
essential that all milk be conled to
65
F. previous to delivery, and must necessarily be clean, of grood flavor, The milk from which the prize butter was
nade was delivered in the evening of the 2 nd of of August, only evening nilk beoing uses for the purpose.
After the milk was delivered, it was immediately separated at a temperature of $65^{\circ} \mathrm{F}$. The cream was
 Which surrounded the vat. After the cream hand been reduced to this temperature, it was treated with $20 \%$
of pure lacticacid starter, was well stirred, finally Arrving at the creameryh next morning. I examined ity, and found that it hand a distincty ty clean, and acienant
favor, to both taste and smell $19{ }^{\circ} F_{\text {.. and the the aste and smell, the temperature was }}$ the cream was then treated with Hansen's butter col
 wa first scalding, then thoroughly cooling, the cream
wan allowed to run into the churn, and churning process l.egan, Wich lasted for a period of 57 minutes. Dur-
ine the churnine procoses, and just at the point when
ind


$58^{\circ}$ F. After the buttermilk had dralned thoroughly,
the butter was rinssed with water and allowed to drain.
'After this water was added After this water was added, at a temperature of $50^{\circ}$
F.; as much water being added as there was originally. The churn was then revolved eight times, ter had drained thoroughly, it was salted at the ratof 75 of an ounce per pound of butter, the salt being
evenly distributed by means of a sifter, etc. ${ }^{\text {The churn }}$ was then revolved twice without worker, then twice was sufficiently worked. During process of salting and working the churn was run at as low speed as pos the butter.
The manufacturing being done, we must next tur our attention to the packing, etc. None but the best
boxes and parchment paper procurable were used. The parchment paper, 24 hours previous to wese, wased. The in a solution of formalin and brine. The boxes were which they were packed ready for exhibiting. After exhibits were prepared they were immediately cooled to
a temperature of $18^{\circ} \mathrm{F}$., and maintained at that temperature until shlpped to the exhibition. It may b of interest to know that the butter was made six days
previous to judging at the exhibition. previous to judging at the exhitition.
With regard to the saltless butter which we ex-
hibited, the process of manufacture was entirely the same as with the salted butter, except that instead of salt being added $\frac{1}{2}$ of $1 \%$ of preservaline was added.
In conclusion, $I$ may say that the score on this butter was as follows: Flavor, 494 ; grain, 24 ; color
$14 \ddagger$; salt, $9 \ddagger ;$ finish, $5 ;$ total, 96 points out of a possible 100 Buttermaker, Brownsville CoBBIE,

The Four Great Dairy Breeds in America. By Valancey E. Fultor. IV.
Jerseys and Guernseys, which are often called
the sister breeds, unquestionably have the same
origin. Some say that the Brittany cow, and
others say the Normandy, was the source of their
origin, but the preponderance of evidence is that
they are descended from the latter breed. As far
back as 1734 the Jerseys were, according to the
authority of Rev. Philip Falle, recorgized as a
distinct breed, and were esteemed as superior to
French cattle. The system of management of the
Normandy, Brittany and Guernsey stock was al-
most identical.
IMPortations inTo LowER CANADA.
Early in the fifteenth century emigrants to
Lower Canada went from Dieppe, St. Malo and
Rochelle, and brought their own cows with them
from Normandy and Brittany. Being verv tena-
coous of their own customs, and assimilating very
little with the English-speaking population, they ittle with the English-speaking population, the
handed down the breed comparatively pure. There was constant trading between Brittany, Normandy and Lower Canada, and, like the Ayrshires, the
Brittany and Normandy cattle were introduced into Lower Canada by captains of sailing vessels. These cattle of Lower Canada are now recognized
as a distinct breed- "French Canadian "-and lave their own Herd Register. There is little Canadian cattle had one common ancestry. The milk of the latter is as rich as that of the Jersey,
but they do not give so much of it, nor are they as large in stature as the Jersey or Guernsey.
This may be easily accounted for from the fact that the French-C'anadian cattle have not had the same IMPORTATION TO JFRSEY PROHIBITED IN As far back as July $16 \mathrm{th}, 1763$, an act was
wassed by the States of Jersey prohibiting imanssed by the States of Jersey prohibiting im-
portation of any live cattle from France, except or slaughtering. Ifver since the year 1763 the
,reeders of the Island have bcen alert to maintain ROYAL JERSEY AGRICULTURAL SOCIETY The Roval Jersey Agricultural society played on Jerseys, and still continues to do so, This
ionciety was organized on Jamuary 18 th. 1834 , and immediately drew up a scale of points. I
know of no organization which has shown as
creat foresight as has this society, especially in he rules they have passod to heer, especially prize bull on the Island for one year. or forfeit the prizc-
money to make the services of the prize bulls
available to members for a nominal fee : to permit final registration. or fualification, as it is
called. of females only aitor they come in milk
and their superior individuality has heen approved wose commithereley prespectially appointed for thalification." and purnot on the herdhook "f undesirabie and the awarding prizes to hulls. and increasing or de-
movemfint to improve the breed.
The first concerted movement to improve the retary of the Royal Agricultural Society of Engthe Jerseys in 1834 as "Too slightly formed be hind and cat-hammed. The udder was ill-formed. In-shaped; many were without that golden or
yellow tinge within the ears which denotes property to produce yellow and rich butter: some had short, bull necks; some had too much flesh,
or dewlap, under the throat, and somie were too I fear that some of these defects apply to too many Jerseys exhibited at the fairs on this con-
tinent. The first test was made by Mr . Hume, presi-
dent of the R. J. A. S., in 1845 , of three two-year-old heifers, and was for a year. They show-
od an average profit of $£ 155 \mathrm{~s}$. 2 d . each, but this
included


Blue Befl, Imp.
Typical Jersey cow. Aged 14 years. Photographed six
monthe atter calving.
value of her manure. The test of the same heifers was continued the following year, with an inimportations to the U. S.
An Alderney cow was known to have been imWorks. She yielded 91 p pounds of extremely rich, highly-colored butter per week. She was small,
and was supported with less ford than ordinary stock. She averaged fourteen quarts of milk a day. Less than 17 pounds of her milk were re quired to one pound of butter. In 1840 Mr .
Nicholas Biddle, of Pa., imported three Alderneys The importations into the U. S. really began in 1850 Mr. John A. Tainter, of Hartford, Con year, including the greater number of them in that cows Sisson's Dam 22, Violet 28, and Jessie 28 . necticut a Mr. David Buck, also of Hartford, Con Webster, imported for "Franklin," Great Daniel 552. Buttercup was imported by Mr. Sam Hen shaw, of Boston, but was sold to D. Buck. The While Mr Mr 169, was also imported by Henshaw. ed Jersevs for others, he is entitled to the credit of having first introduced them into America. Connecticut and David Buck, both of Hartford, of Jerseys imported in 1850 . In 1851 seven males were imported, including Premium 7. ColWilloughty 231 , and George W. Lyman's bull Taintor imported 1: Thos. Motley. of Mass., 4 : iemales were hrought to the U.S that year. Up
to 1860 John A Taintor continnled to be the chief importer, having brought over 50 females. and walls than the former. Hartpord. Connecticut, was the great center of Jerseys in the early davs
around Boston, came next, with Pennyslvania and importations into canada.
The first importation into Canada was made
Aug. $17 \mathrm{th}, 186 \mathrm{l}^{2}$, by Mr. S. Sheldon Stephens of Montreal. It consisted of the bulls Defiance 196,
bred at the latn Queen's Shaw Farm. Windsor, Fng.; and Victor Ilueo 197, bred on the Island The cows were Victoria 411, Pride of Windsor
483 , Amelia 484 and .Juliette 485, all bred by her late Majesty the Quecn; and Alice 488, Hebe 493. Pauline 494, I ydic 495, Portia 496, Fancy 1318, and Beauty 1319, all bred on the Island of In 1871 the imported cow Taffy 5523, and Topsey of St. Lambert, were added to the herd. Later on Stoke Pogis 3rd 2238 was bought by
Mr. Romeo H. Stephens from Mr. Peter Leclair, Winooskie, Vermont. Mr. Leclair had bought (imp.) at public sale in England, and by crosin them at his farm in Vermont, Stoke Pogis 3rd Mr. Harrison Stephens, father of S. Sheldon Stephens and Romeo Stenhens, really bought the herd above described for Mr. S. Sheldon Stephens Jerseys, of Bushey Farm, Herts, England, and Mr. James Duncan Gibbs, a friend of Mr. Harrison Stephens, who accompanied Mr. Fowler when he bought the stock. The herd was first kept
on the farm of Mr. S. Sheldon Stephens, on the on the farm of Mr. S. Sheldon Stephens, on the
lower Lachine Road, near Montreal. but was afterward removed to the farm of Mr. Romeo Stephens at Montreal, Que. It was the location of the Parm which gave the name of "St. Lambert" to
the herd. The St. Lambert herd was reteined the herd. The St. Lambert herd was retained
there for many years, and was destined to become famous the world over. I have been very particular to give the names of the animals itm-
ported by Mr. S. S. Stephens, for to-day there are probably more than three times the number of animals recorded in the A. J. C. Herd Register
tracing to some members of this herd than tracing to some members of this herd than to any
other herd. Readers of the "Farmor's Advocate" need not
be told than Mary Ann of St. Lambert was the most celebrated animal ever bred at was Lambert. Que. In the development of the St
Lambert strain the writer played no insignificant part

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\end{aligned}
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& \text { FORMATION OF THE A. J. C. C. } \\
& \text { The A. J. C. C. Was founded in 1868. }
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& \text { Hand treasurer. On its removal to New York }
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& \text { annual receipts have been far in excess of the }
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& \text { annual recripts have been far in excess of the } \\
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& \text { stein-Friesian Association to ranidly catching un }
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& \text { stein-Friesian Association is rapidly catching up. } \\
& \text { The members of the A. J. O. C. are extremely }
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there are those who feel that the Club does not

$$
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& \text { do as much as it miaht to eacourage the breed } \\
& \text { in this country and Canada, nor as is done by }
\end{aligned}
$$ other

concur.
There are Jerseysacteristics, though the solid color, black tongue and switch predominate.
The head of the Jersey cow is very beater most beautiful of all dairy breeds. She has good long neck, a thin wither, usually a straigh back, though I regret to say there are far too many with sloping rumps. She usually has very deep paunch. Her udder is large, but not so Jerseys that of the Holsteins. The imported exseys have usually a very long full-front udder dian and American Jerseys are defictent in fore udders. Imported Jerseys are prone to have Jersevs small teats, thougk beautifully placed strains small teats have resulted from this course. The Jersey cow is the smallest of the four breeds
have described. She is very fine in limb have described. She is very fine in limb, shows her breeding, and is considered delicate hy some.
This, however, is not my experience. She pos-
sesses a high nervous temperament, which seems to stand her in good stead in case of sickness and her work as a dairy cow. She is game to
the last notch.

The Jersev cow has been noted for 100 years of extreme richness in her milk. A good herd will average from 4.75 to 6 per cent. fat. They
averaged in the Pan-American dairy test 4.58 per cont. and in the St. Louis cow demonstration calf per cent., twenty yone of these cows were in 40 pounds of milk a dav was considered a phe nomenon, hit such records are very common to-
of St. Lambert, gave over 82 pounds a day. A tuial College assortment, etc., were 625, being well-selected and properly-fed Jersey herd average 5,000 to, 000 pounds of milk a year
350 pounds of butter a ycar would be a low aver350 pounds of butter a year would be a low aver-
age for such a herd, and some have averaged 450 pounds per cow per year.
The Jersey cow is a
The Jersey cow is a good feeder, and requires
onsiderable concentrated feed to do her best considerable concentrated feed to do her best
work. She is very fastidious in what she eats, work. Will not use up so much bulky food as will the Ayrshire or Holstein. Jerseys breed true to type, more so than the Jerseys
Guernseys.

## A Successful Creamery

 A short time ago one of our staff was able to visit the Chilliwack, B. C., creamery, 12 months that famous district. The output in 12 months below 10,000 pounds in any month. Patronsnumber over one hundred, cream being collected number over one hundred, cream being in winter. The butter is put on the market in brick form, the Babcock test being used to determine each patron's - returns. The temperature of the water
at the creamery is 52 degrees $\mathbb{F}$. Any ice used at the creamery is 52 degrees $F$. Any ice used
is artificial, brought from New Westminster, cost-
ing $\$ 9.00$ a ton there, the creamery standing the oss of the waste. The butter is marketed at
Vancouver, and brings 30c. in winter, 25c. in vancouver, and brings 3oc. in winter, 25 c . in considered a large one. The farmers own the
cream cans; a ten-gallon can cost $\$ 4.50$. Last cream cans; a ten-gallon can cost $\$ 4.50$. Last year the farmers netted 24.75 c . a pound for the
butter. Hauling costs fc . pound of butter-fat.

## GARDEN AND ORCHARD

The Ontario Horticultural Firhibition. Tho second annual Ontario Horticultural ExHall, Toronto, Nov 14th to 18 th . In 1904 the exhibition was called a Fruit, Flower and Honey Show; this year vegetables were added and the more comprehensive name adopted. It
 Gardeners ${ }^{\prime}$ and Florists' ${ }^{\prime}$ and ontario Vegetable
growers ${ }^{\prime}$ Associations, the Toronto Horticultural and Toronto Electoral and District Agricultural Societies, and the Ontario Department oricuararal
agricul
ture the Department granting 81 Noo towards ture, the Department granting 81,000 towards
financing it. the Toronto city council also coming financing it, the Toronto city council also coming
up with $\$ 250$. The amounts contributed by the various organizations were all pooled this year and the total applied towards a general fund The management consists of a stan of offcer
elected from among representatives of the severa elected from a,
organizations.
From a visitor's standpoint, the show was great success, although the meagre attendance was atogether unworthy of the magnificent dis pley, The chrysanthemums were a worder and and the fruit and other exhibits, made the scene fairly entranc
ing
The audience room of Massey Hall
held the maior portion of the exhibits, 'mums being ranged with particularly imposing effect upon the stage In the center of the floor was an exhiblt of fruits
by the Chatham Fruit--xrowers' Association, the feature of it heing a variegated column of apples
arraved concentrically about a concealed center-


 packing boxes were graphicnly itultrated. on exhibits of fruit, as well as the apiary products.
Beneath the balcony at the rear was an exhibit of fruits in jars, some of which, put up two years
ago without sugar and in cold water, had ap ago without sugar and in cond water, had ap
parently been perfectly proserved or inflermation o kow that truits for cooking
of inforing may be thus kept as these had been
or baking or baking may be thus kent, as these had been.
with practically all their nturn) freshnes. Your reporter had no opportunity of ofserving th
process, but was agrecally sumprisel on sampling process,
the result
hiibits of
Province
had a couple of pyramid
apples, inat must have
and then we w
had the biggest.
Additional foor space was
ment where were the compotitiv,
mercial packages (boxes and harr)
domestic and export trade. Fntries
export. 38 ; boxps. expor
about double those of last year. Mr. P. J. Carey, Dominion Fruit Inspector, who with Mr. H. W. Dawson, judged the commercial packages of apples and pears, stated that about
75 per cent. of the boxes this year were properly 75 per cent. of the boxes this year were properly
packed, as against 5 per cent. last year. The improvement is ascribed to the educative influence of last year's show, to the demonstrations this
fall of Mr. Boies, the Ottawa. Fruit Division's fell of Mr. Boies, the Ottawa. Fruit Division's
expert packer from British Columbia, and to a laudable disposition on the part of growers t avail themselves of opportunities to improve thei packing. There is still, however, a tendency to
cling to the habit of putting in excelsior and cling to the habit of putting in excelsior and undesirable, for a properly-packed box of fruit will be firm without such filling, and as the trade objects to it decidedly, boxes thus packed wer prizes. A box of Baxters, as fine as anything in the show, was undecked with prize cards on ac leunt of newspapers having been used between the ably, to make them carry better. Growers ar not all "on" yet to the various wrinkles in filling boxes. As most are aware, these must be putting the layers in so that every apple will be directly above the one below it. This is not necessary; indeed, it is to be eschewed in favo rest on several others. Some of the arrangements which look as though they left large spaces ai the sides, are really the most compact methods There are at least sixty-four distinct ways of
packing a box of apples, and the ingenuity of the packing a box of apples, and the ingenuity of the
packer is tested in putting the apples in compact ly without excelsior or other wadding. A box
should be packed with the middle a little higher should be packed with the middle a little higher
than the ends, so that when pressure is applied on the ends the spring in the top and botto will still keep the fruit there snugly compressed as at the ends. Likewise, in packing barrels, the
center should be a little fuller, and the pressure center should be a little fuller, and the pressure
should be applied by a circular iron inside the rim, instead of by a block on the center. Fruit Division, Ottawa, had an instructive exhibit difierent kinds of packages, and barrel and bo ron such as described screwed down by a luh on top, the pressure being obtained by means ong hooks which catch under the luwer rim made box A simple was also userul-looking home The vegetable display was of moderate dimensions, but the quality was good. There was and a fair showing in melons and cnulificwer chokes, seeming to indicate an increasing interes in these. Chrysanthemums were considered ahead last year's, while the table decoration attracted how would seem to be a preat deal more worth of patronage than some of the other events that it is, the to time engross Toronto's society. As disappointing, and unless it is hetossed to there will probably be a feeling to change it to ome other place.

Ontario Fruit-growers' Convention
During the Horticultural Exhibition, conventions lions, the Ontario Fruit-growers', the Ontario Bee ceepers' and the Ontario Vegetable-growers' Asso
ciations, while on the 17th there was a meeting of pomologists and those interested in fruit exheriment station work, and the same day cietics of the Province met to form a new
provincial body, known as the Ontario Hor icultural Association. The Fruit-growers' annua meeting began on Tuesday evening, November 14 t , $O_{n}$ the opening evening there were, besides the president's address, speeches from several others.
Hon. Nelson Monteith. Minister of Agriculture for Ion. Nelson Monteith, Minister of Agriculture for ntario, in a pleasing address pointed out the adintensive lines, such as fruit and vegetable growing. Mr. A. N. Brown, of Wyoming, Delaware,
spoke on co-operation, citing some instances of "hat Americans were doing in that direction. an th hring the buyer to the farmer's door, and suration in the potato industry. Whereas the
 tality. Thst year an organization known as Exchange, sold 350,000 operatively organized, and wit-growers are co-operatively organized, and
soon be a compotitor to be reckoned with. Their but it will find the best for dessert purposes orchards are being set out that will soon be bearing, and one advantage the Irish will have over

> PRESIDENT'S ADDRESS

After anticipating some of the topics expected tion, President A. McNeill, better known as the Chief of the Fruit Division, Ottawa, referred to the season's crops and prices, noting that it opened with a remarkable show of bloom, which, being probably due, among other causes, to cold and prolonged rains, and to weakening of the tree by a succession of heavy crops, or by the severity of the last two or three winters. He pointed out the desirability, financially and otherwise, o
a partly with a view of discovering some means of securing a more regular crop by more perfect apples, and deprecated the practice among growers of selling their crops early to operators, who knowing market conditions and prospects better as a rule than those they buy from, have the ad-
vantage of the latter in such bargains, which at best are of the nature of a gamble. He referred $t_{0}$ an unfortunate widely-copied newspaper report, occurring at a time when the market was de varieties, and predicting a great abundance peaches, and low prices therefor. For want of prompt explanation and denial, the public expected cheap peaches, and refused to buy in full reasonably, and some housewives were still look ing for those cheap peaches. As a matter of fact, there has been so much loss from winter-killing in bearing trees, was not excessive, but tardy demand resulted in unwarrantably low prices, and in some cases disappointment to would-be purchasers. The The fruit trade of the Province was uer in a more healthy condition. The outlook is good, though grave problems loom up for solution. The plied, markets for small fruits are now well supdirection of long-distance shipments require a distinction on the part of growers and shippers between nearby markets in point of maturity, varieties, packages and packing, and in or Maritime markets it will be necessary to encourage the growing of these fruits in large plana few point. where the growers will busertaks at make a specialty of long-distance shipments. appears to he an almost hopeless task to assemble pend upon the local market for their chief who de To a somewhat less degree the marks apply to peaches and plums. On an enormous soil and climate to produce must work out the problem of long-distance year regular trial shipments to Great Mritain There is no reasonable doubt that with the splendid steamship facilities now at the disposal of
the fruit-grower we can land peaches in in the best of condition. The outlook is not growers hopeful for plums, but even here fruit broad light and appreciate the fact that the ramification of the trade in canned fruits, jams and
jellies is one in which they will have to take a The problems in apple-growing are somewhat till it completely overshadows the local trade large as this is. Steamship facilities and export demand are excellent, but a pressing need is a
better gystem of marketing. The middlemen gaged in the trade are excellent business men, bu the present system is bad. A barrel of apples for which in a normal year the grower would be glad to receive one dollar, is shipped to England
or Calgary, and the consumer pays five dollars for it. While the perishable nature of fruit is an excuse for many of the bad methods in selling, it in the greater part of Ontem of buying in vogue sible for much of the waste and the want of proper
grading and packing. for the serious deterioration bet ween picking and selling, for the exorbitan price of packages, and for the unfortunate condi
tion of affairs that will enable men, if so disposed, to get a product without paying a proper pric ers, he was ready to assert, would be glad to se mended the work of the co-operative committee ment every assistance. morally and financially. have noticed that in the ehange that must take
there comes the distinct question of the matter of partment should busy itself; thus the Fruit Divi- tion is in good standing, but unable to do any businesa varieties. This is so intertwined with the ques-
tion of soil, climate and modes of handling that we had reached the point where we should ask the Government to bring to our aid an expert wh
could give his whole time to the development could give his whole time the the development of
the fruit industry of the Province. Good the fruit industry of the Province Good
work has been and is being done by our
fruit experiment stations, which, however, are fruit experiment stations, which, however, are
in the hands of men who have business in the hands of men who have busines
of their own to attend to, and have not had any special training for anything but elementary work We have confined ourselves to a few variety tests a few climatic tests, and have been eminently suc-
cessful, but we must now look at the broader side of horticulture, and note what is being done in other countries for the development of new and profitable lines of fruit-growing.
The expert required would be fully informed as
to the latest and best methods practiced in the experiment stations of the Republic and in the Old Country, and might be very properly attached
to the agricultural college, using the several local to the agricultural college, using the several local
experiment stations for the development of his experiment stations for the excellent work of the
plans, and supplementing the
present Professor of Horticulture, unhampered by present Professor of Horticulture, unhampered by
the routine of class work. Referring, in conclusion, to the death of one
the oldest members, Mr. D. W. Beadle, Mr. Mc Neill indulged in a little reminiscence and horticultural history, and commended the appointment of a standing committee, whose duty it would b
to make compilations from year to year, recommend memorials, and pravide for suitable records in Provincial horticulture.

A REVISION OF THE CONSTITUTION. Part of the Wednesday morning session was
spent in considering the report of the committee on revision of the constitution. A feeling obtains that the association as at present consti-
tuted is too much of a cut-and-dried affair, a few tuted is too much of a cut-and-dried afiair, a directors, meeting from year to year and re-elect-
ing themselves to office. While much good has ing themselves to office. a great deal of valuable been accomplished, and a nual reports, it is felt that the organization is
not so truly representative as it should be of the not so truly representative as it should be of the
fruit interests of the Province. The opinion was fruit interests of the Province. provincial associa-
expressed that the central or expressed should, comprise representatives of local fruit-growers' associations and horticultural socie-
ties. The amended constitution accordingly ties. The amended constitution accordingly
enjoins the officers and directors of the provincial association to encourage the formation of
them. The membership fee in the aforesaid affilithem. The membership fee in the aforesaid affli-
ated associations or societies shall be the sum of ated associations or societies shall be the sum of
one dollar per annum, payable in advance. Of this sum the local secretary is to transmit to the Secretary-Treasurer of the Association seventy-five cents for each member, payment of which sha
entitle members of the local society to all the advantages of membership in the provincial association. The proceedings of the affliated' societies shall, on or before the first of November, わe
forwarded to the secretary of the association, who forwarded to the secretary of the annual report as may use such portions for the annual report as
mayy seem of general interest and value. Each affiliated society is further expected to send at
a least one duly-accredited delegate to the annual meeting of the provinciactual expenses to be paid by the provincial association. The directors of the association for the agricultural district in which any society is formed shall be, ex-officio,
members of the directorates of such societies affiliated.
Some little discussion ensued over a proposal to change the name of the association, with view of making it more acceptable to the hortiture, etc. It was concluded, however, that as the present name, in addition to being very well
known, stands better for the commercial idea than would the term Horticultural Association, the old name, "Fruit-growers' Association of Ontario be retained
The membership is one dollar per annum in advance, whether paid to the general secretary or to
the secretary of a local affliated body. The fee The secretary of a local affliated body.
for life membership is a single payment of ten
dollars to the general secretary. dollars to the general secretary.
HON. SYDNF.Y FISHER. On Wednesday afternoon the convention was
addressed by Mr. A. N. Brown, of Wyoming, Delaware, on New Ideas in Spraving. He advocated fall spraying for san ose scale, especia his
ior districts where it is bad. A synossis of his
sollowing him. address will be published later. Following him,
Hon. Sydney Fisher, Minister of Agriculture for Hon. Sydney Fisher, Minister of Agriculture for
the Dominion, was called upon, and in the course of his speech took the opportunity to explain iully his reasons for placing the Fruit Division,
ulong with the Cold Storage and Fxtension of Markets Division, under charge of the Dairy Com-
nissioner. Mr. Fisher held that educational work chould be left to the several provinces, and that
the commercial aspect of the fruit industry and the various matters affecting the general interest
partment should busy itself; thus the Fruit Divi-
sion, being concerned chiefly with work allied to that of the departments aforementioned, might very well, for administrative reasons, come under
the purview of the one branch, over which Mr he purview of the one branch, over which Mr .
J. A. Ruddick at present has charge. The Chief of the Fruit Division, however, has a free hand in any work he undertakes. The explanation was given for two reasons; first, that the fruit-grow-
ers might know just what to expect; secondly that the provincial authorities may realize what is being left to them. He was pleased to note that the protest which had been heard in several
quarters at the time the rearrangement was made quarters at the time the rearrangement was made [We scarcely think that Mr. Fisher has interpreted the signs aright. The question is one of great delicacy, first, because the present Dairy
Commissioner, Mr. Ruddick, is personally well liked, and, secondly, because during the past year the President of the Association has been the same person as the Chief of the Fruit Division, and it
would not be seemly for him in a protest to elevate his own position. There is, however, among the fruit-growers a strong undercurrent conviction that their industry redirect to the Minister instead of reaching him with necessarily diminished eloquence through an indirect channel. The members of the association Minister is mistaken in construing their temporary quiescence as acquiescence.]
While on his recent trip West, Mr. Fisher had observed a remarkable improvement in the selec-
tion, grading and packing of British Columbia tion, grading and packing of British Columbia
fruit, which now rivals the best California stuff, and is driving the latter out of the market. Referring to the Fruit Marks Act, he noted that in few or no cases had there been failure to had been put in force. For the first year or so the inspectors had been purposely lenient in prosecution, but the time had now come when the
Act might be enforced in all its severity-a reAct might be enforced in all its severity-a
mark in which his audience heartily concurred.

REPORT OF COMMTTTEE ON NEW FRUITS.
Two of the three members of the above committee
eported on new fruits that had come to their notice. In peaches, Prof. H. L. Hutt exhibited a wax model of a very promising thing, called Orr's Seedling, originated by
Wm . Orr, of Fruitland. It is a late freestone, coming in about the second or third week in October, and is of exceptionally fine quality, without any nstringency about the skin. Prof. Macoun reported comparatively one very large crab of good quality, which he thought one very large crab of good quality, which
would prove valuable for the Northwest.
REPORT OF COMMITTEE ON CO-OPERATION.
Co-operation in shipping and selling fruit is still live subject. Mr. A. E. Sherrington, of Warkerton Chairman of this commitce, season several co-operative shipping associations had been organized. Some of the older ones in good standing are at Forest, Walkerto and Chatham. One was organized this spring at Oak
ville, a joint stock company, that handled nearly all the apples in the district. One of the things to be guarded against is the breaking away of members when
buyers offer inducements. More men were needed like President Johnson, of the Forest Association, who re fused an offer of 25 cents per barrel more for the association. Clarksburg also has a splendid associa tion, which the speaker understood had erected a store house superior to anything else in the Province. An
other co-operative association is at Burford, another in other co-operative association is at Burford, another in
this season for lack of fruit. unable to do any business
During to summer Mr. Sherrington had spent some time in England and Scotland, and his (ibservations convinced him that Canndian produce is not properly
handled there. the ways of the commission men and auctioneers being in mut if fuw cases shady He was
not favorably impressed with the system-or lack of it-
nit the Covent Candon in the Covent Garden market. Where a sort of pandemonium seemed to prevail. His description ( $\ell$ the way
the auctioneers vied with each other to see who could sell fastest was quite at variance with our ideas of old Country deliberateness, and would be anything but re-
assuring to the man who saw his fruit knocked down, assuring ty without time for a second bid. Mr. Sherrington cited a case that came under his
notice of apples sold in Canada for $\$ 2.50$ to $\$ 2.75$ notice of apples sold in Canada for $\$ 2.50$ to $\$ 2.75 \mathrm{a}$
barrel costing the Old Country dealer $\$ 5.00 ; \$ 1.50$ would pay the freight. Where does all the balance go ? would pay the freight. Where does all the balance go ?
The dealer referred to believed that it would be unnecessary for our co-operative associations to even send
an agent to Britain; he thought the old Country dealan agent to Britain ; he thought the old Country deal-
ers would have confidence in goods packed by such organizations, and be willing without canvassing to risk buying direct. Mr. Sherrington had met two Old
Country dealers who already buy their fruit Country dealers who already buy their fruit f.o.b. in
Canada, and during the summer had received stacks of orders.
He expressed the opinion that it would pay our
growers to convert more of the No. growers to convert more of the No. 2 apples into
canned stuff, for which he thought a good demand could be worked up. Fruit must be regarded as a luxury in England, for Mr. Sherrington soberly related an experience in a restaurant, where an extra bill had been rendered for eating marmalade with a spoon. associations could not be run in their districts, as farmers were so short of labor they would not undertake to pick the fruit. This brought out a suggestion that one
association had hired the picking done for a couple association had hired the picking done for a couple co
operators unable to do it themselves. Mr. Sherrington thought that might be done, though he wanted no one but himself looking after the picking in his orchard, and
did not see why a farmer could not afford to hire men as well as the regular buyer.
Mr. A. W. Peart said in the Burlington cilstrict they had a species of co-operation that has been going on for twenty years. They have a manager, pald accord-
ing to the number of boxes he handles. Each grower ing to the number of boxes he handles. Each grower
packs his own fruit and puts his name on it, but they also have a common brand under which they ahip. They
alip ship in boxes, and $99 \%$ of all the good shipping frult
they send over in that package arrives in good condition. Mr. D. Johnson, President of the Forest Fruitgrowers and Forwarding Association, reported a very satisfactory season's outcome. They had any number
of orders from the West, where they sold in 1904, but of orders from the West, where they sold in 1904, but
chose instead to sell this year to an English Arm, chose instead
which took the whole output, paying $\$ 2.50$ for No.
$1^{\prime}$ s and $\$ 2$ for No. $2^{\prime}$ s, spot cash, f.ob. Mr. Johnson 1's and $\$ 2$ for No. $2^{\prime} \mathrm{s}$, spot cash, R.o.b. Mr. Johnson is an enthusiast on orchard culture, and very truly
says we must successfully grow fruit before we can succays we must successfuly grow fruit before we can suc-
cessfully co-operate in selling it. This year their association had a by-law, compelling its members to spray
twice before and twice after blossoming. As a result wice before and twice after blossoming. As a result
all the members had good crops, many the best they all the members had good crops, many the best they
ever had. while their nelghbors, excepting one or two goor fruit-growers, had practically nothing. Mr. W. D. A. Ross, of Chatham, sald they had started co-operating nine years ago : five years ago they
organized as an association, and this is the fourth seaorganized as an association, and this is the fourth sea-
son they have packed at a central packing-house. The membership has grown to 75, and they are now going
along swimmingly. They have a power sprayer, which along swimmingly. They have a power sprayer, which
nearly all the growers employ. The assoclation adnearly all the growers employ. The assoclation ad-
vances the money, does the spraying, and deducts the cances the thoney, fall from the returns. which he bellieves are doubled thereby. In one case a man with an


A Glimpse of Fruit and Flowers in Massey Hall.
and when his last barrel was turned in he blandly re
marked that it made 290. Another man in the spring marked that it made 290. Another man in the spring but concluded to have it
offered $\$ 750$ for his crop.
They have employed a salesman for the last eight years, who does the marketing. Net prices this yea
were $\$ 2$ a barrel for No. 1 's, and $\$ 1.50$ for No. 2 's. were $\$ 2$ a barrel fr No. 1 s , and
Some of the fancy fruit sold for $\$ 3.75$, f.o.b., Chatham

FRUIT-GROWERS DISCUSS THE TARIFF.
an interesting diseussion on the tariff as affecting the fruit-grower was opened with an effective address b W. L. Smith, of Toronto, who appealed to the fruit
growers not to weaken the hand of the general farmer growers not to weaken the hand of the general harmer
who has much to lose by further imposts on things he Who to buy, but little to gain by duties on his products, the prices of which are governed by the values of
the exported surplus. If the fruit-growers, who form the exported surplus. If the fruit-growers, who form one section the manufacturers will use the fact as a powerful and effective lever in working for higher protection on their products. He belleved the fruits. During the little to gain anyway by a tarin ors were higher in the past seenson States than in Canada. So far as tender fruits are concerned, practically all our importations early in the season, when our growers have nothing to
offer. The early frult serves to get the people into the fruit-ating habit, but as soon as our tender fruits come in the forefgn stuf at once goes out.

While a general rise in tariffs would not materially augment the price of what the fruit-grower sells, it
it would greatly increase the cost of what he buys. For
instance, baskets, which represent a considerable item instance, baskets,
of his expense, are taxed $30 \%$, and one Niagara district grower sald he had pald $\$ 300.00$ more for baskets than he would have been obliger to pay $25 \%$ to $80 \%$, but one Tools. impiements, etas taxes is that on sugar. There is an intimate relation between the price of sugar and the price of fruit. The cannig the surplus in fruit production, but one good relieves the surplus in fruit production,
big crop would fill the country wewth enough canned
thell goods for two years to come. Relief should then be cound in the export trade, but one of the great obstar to this is the tax on sugar. The cest of sugar repre-
sents about one-third the value of canned goods, and sents about it is $46 \%$. Regarding a suggested rebate of duties on sugar used for canned goods ior that such he said, in the frrst place, the principle would be questionable, for we would be thus conferring upon foreign consumic in canned Another point was the omes should not great-
There was no reason why we shen y increase the Canadian consumption of preserves and anned fruits: this could be done by reducing the can be of sugar. Sugar should
produced in other countries for $1 \ddagger$ cents a pound, and give the growers of it good returns per acre. The re fined sugar, but for tarifis, could be put on the marke at $2 \ddagger$ cents wholesane, and retake that we attempted $t$ He considered it a great mustry in Canada. But sugar cannot be produced in this country for less than 4 cents
ind pound. In his mind, the fruit-growers should seek the tarifi on sugar. It was an absolute certainty that any slight advance in tariffs on farm or orchard products would be accompanied by countervailing and op-
pressive duties on things used or consumed by the pressive duties on things used or consumed by the
farmer. Instead of levelling up the present tarif we farmer. Instead of to level to down.

 undervaluation and shut out the inf rior stulf, which
cheeks consumption and deplresses markets.
with an apt refermce to thi. woint of a

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aness it be the docturs?
 week. ${ }_{\text {Mr }}$. in favor
tries. good-natured
early vegetable
early. he said,
try.
and the like,
and the like,
these things
pickles under glass.
After some desultory
resolution was passed and got
on more mature deller
was reconsidered among
$A$ tone aftele
up for consideration were too important to "cut," and on the results would bo made to the railroad com
on they listened more or less patiently from two o'clock panies. till a quarter to six. The first item on the programme was an instructive paper by Prof. Frank T. Shutt, of Ottawa, on cover crops, their relation to the moisture content and fertility of orchard soils. A synopsis of
this will be published in a later issue of the "Farmer's this will be"
Advocate."
report of committee on packages. Mr. Robt. Thompson presented the report of the committee on packages. The 11 -quart basket was ap-
proved as to size, but at the present time these were not uniform in shape, nor do the manufacturers all make them of the exact size. 6 2-3-quart basket mended instead the adoption of a 5 -quart basket, which is a halr size. A grape basket of 8 or 9 nounds
was to be preferred to one of 10 or 11 pounds. A Was to be preferred to one of 10 or 11 pounds. A
number of basket manufacturers, present by invitation, spoke after this report, intimating their willingness to make all baskets to a standard dimension. They were now in some cases shading the size of their packaces to ing to confine their output to legal standard sizes. reference in the committee's report to the size of apple barrels afforded an opportunity for some picking at that enduring bone of contention. a law specifying a legal dimension instead of prescribing merely a minimum size as at present. The difference was as to what that size should be. A minority favored the Nova Scotia bar be held at Ottawa this winter, but to test the opinion of the convention, Mr. G. C. Caston moved a resolu
ion that carried recommending a barrel of the follow ion that carried, recommending a barrel of the follow
ing dimensions: 27 inches between heads, 17 -nch head and an inside diameter of about 19 Inches a
the bilge. This is practically the Ontario barrel the bilge. T
present in use

Shipments of fruit to winntiper. Mr. Robert Thompson, St. Catharines, presented a
report on the results of the season's shipments of apples, tomatoes and tender fruits to Winnipeg, by some members of the St. Catharines Cold Storage and For
warding Co., Ltd., who met last spring and agreed to co-operate to see if an arrangement could not be car ried out whereby a market for tender fruits could b lound in the West. The venture was designed
plement the eflorts of Prof. Reynolds in 1904
view of their diffculties was given, and confidence ex
pressed in the pressed in the future of this trade. Twenty-seven car
of fruit were handled, and from data at hand, Mr Thompson estimated that those who stayed with it to the end of the season got prices as good as, or better
than, obtained by those shipping elsewhere. In addition, there was the advantage that considerable qua
titios of fruit had been diverted from other marketa and they had lenrned many leseone hy which they might
thermogiraphs and insulating materials. Mr. J. A. Ruddick, Dominion Dairy Commissioner phasized some of the essentinals in refrigeration of cars and exhibited a thermograph, explaining its workings
It is a sensitive instrument, that makes a continuous record of the temperature in which it is placed. Pro tected with a perforated wooden case, it may be placed in a car of fruit, and thus a record is kept of the hourly fluctuation inc the car is in motion its vibration causes the instru
ment to make a broader mark than when at rest
Thermegren hermographs may be bought in England for from $\$ 4$ During the summer Mr. Ruddick had been conduct. the most cffective insulating materints bne six iches of shavings were very much better than six inches
sawdust. Dead-air spaces were not advised, as it is dimcult to secure a really dend-air space. Any other is beter that all interstices be filled with sawdust REPORT OF TRANSportation committef.
ahove committere. The past season had been one in
which the volume of fruit, especially peaches and plums. wruss the single exception of apples, was largely in way cumpmines to move all the perishable fruit that
 Ghine that provision form then anably prompt
 Fitall. 1.... .1.......... of fruit on all our railroads


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costul romuired, and considerable lose
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The committee is still of opinion that the present rate for the carriage of apples companies have had a very prosperous season so far as
the fruit trade is concerned, and the time has come when a material reduction in express rates on fruit must be made. While the railroad companies have to some extent recognized the claim of the fruit-growers for a reduction in rate by freight service, the express com-
panies have continued in many instances to absorb by far the larger portion of the gross sales of large quantities of fruit. All possible pressure should be brought
to bear to have the express business brought under the to bear to have the express business brought under the

RESOLUTIONS.
mitted by the res lution committee:

1. That Messrs. McNeill, Race, Woolverton, Groff and Dempsey be appointed a standing historical committee : hat it be the duty of this committee (a) to propare, as occasion arises, for publication in the annual reports
of the association, sketches of the life work of those who have rendered distinguished service to the cause of horticulture ; (b) to provide for the erection of suitable ablets to mark the place of origin of varieties of fruits
which have proved of special value: (c) to prepare for ur next annual report a biographical sketch of the late our next annual report a biographical sketch of the
D. W. Beadle, who during his life distinguished himself as a fruit-grower, nurseryman, and offcer in the Ontario Fruit-growers' Association; (d) to prepare a like sketch
of our esteemed member, A. M. Smith, the father of the our esteemed member, A. M. Smith, the father of the
ommercial peach-growing industry of Ontarto ; (e) to arrange for the erection of a tablet, marking the site
on which the original McIntosh Red apple still stands, on which the original McIntosh Red apple still stands, into life, grew, and died.
2. That we express our most sincere appreciation of the value of the work done during the past season
by the Fruit Division of the Dominion Department the Fruit Division of the ominion Department of griculture, in arranging for the publication, at
uent intervals, while the growing season was on, of reports upon the fruit crop prospects as they appeared
from time to time. We trust this system of crop rerom time to time. We trust this system of crop re-
porting will be continued and extended, as the effect of it is to place the rank and file of producers, so far as regards knowledge of the situation, on a footing of omparative equality with those to whom they sell. on Department Acriculture on arranging for informal but effective supervision of the work of transferring fruit sut effective supervision of the work of transterring rat
shipments from rail to steamer at Montreal. This work, so well done, has been of inestimable benefit to fruit-
growers in nreventing serious loss by damage in course of transit. 4 That we desire to put on record an expression our sincere thanks to the railway companies for the courtesy which they have shown to the representatives earnest effort they have made during this year to pro-
vide an efficient and prompt service in the carriage of vide an efficient and
nur perishable fruits.
3. That it be a specific instruction to the delegates who go from this association to the Dominion Fruit Conference, to be held in Ottawa early next year, to at the forthcoming session of Parliament legtslation un. der which express rates will be placed within the control of the Railway Commission, and that our delegates o said Conference be urged to endeavor to arrange for the Government to urge the adoption of that which is herein recommended
4. That our delegates to said Conference be urged
to bring before the bolly to which they are accredited to bring before the boly to which they are accredited
the desirability of securing logislation under which provision will be made that will ensure just returns from
the commission men for the fruit consigned to their 7. That the executive of this association be in-
structed to wait upon the proper railway official with a view of securing the privilegr, now accorded other agricultural societies, of free return tickets from our
annual convention without regard to the number in ul-
tendanoe. annual con
tendanco.
5. That
to those organizations of thich association be tendered
 sented by L. B. Rice.

 work alone the same lines in futurinue and extend thi 10. That we the ire to express in a sperial manner
our appreation of the serices rondlured the whole fruit-
erowing industry of Conadd

appointed to tahe charge of the work of the Ontario tar from blossoms, and that such evidence, if any.
fruit experiment stations and horticultural work of the be also published through the above channels, be also published through the above channels."
Mr. R. H. Smith, St. Thomas, gave a paper on
ownship or county fair. At
ors' meetinks and urge the end the fair directSystematic Advorticing and Narketing of prize list, providng for large exhibits of 100 or Honey." Give samples of honey to prospective buyers. Call simple matter once you have a regular line is a

H. G. Sibbald.

R. H. Smith.


Wm. Couse in pack dealers regularly with a supply of honey trade. In shipping honey, do not use "h homespun " packages. Happily, in Canada, we have
very little adulteration, and, although there is still room for improvement, the demand and use of honey has enormously increased during the
past few years, and will continue to increase as its value becomes better known. Pror. F. 1. Shut, of the Central Exp. Farm, Ottawa, described experiments on the granulation samples of honey to temperatures it had raised samples of honey to temperatures oi 122 degrees
F. and 158 degrees $F$., and found that in either case they had remained liquid, since Sept. 18th, when the heating was done, while honey which had been so heated was granulated quite
hard. He found that keeping in light or darkness, agitation, or cold storage, seemed to have no effect on the granulation of honey. But that he honey kept in the light, whether granulated and seemed to have lost in Hlavor. With reference to Havor, Prof. Shutt had learned that heating honey to a high temperature certainly injures
the flavor. He explained this by the fact that neither the levulose nor the glucose give honey its flavor, but certain minute quantities of unhigh temperature escape. With reference to high temperature escape. With reference to
bleaching wax Prof Shutt had made exhaustive experiments, and found that one per cent. nitric acid gave best results. To bleach without chemicals, melt the wax in warm water, pour off the shred the wax and expose to a damp atmosphere and sunlight. oUT APIARIES.

Mr. Denis Nolan, Newton-Robinson, took up
 Nolan said that in his experience one hundred colonies is all that can be kept profitably in an average location and in an average year. ' 10
increase this number might mean that duce the yield per colony, increase the desire to swarm, and have a larger amount of brood and bees to sustain on the nectar of the field covered.
To reduce the number means you reduce the inTo reduce the number means you reduce the in-
come on some investments, viz., cost of establishing yard, cost of maintaining yard, etc.. In establishing out apiaries, he would consider locality, with reference to overstocking, Hora, etc.; ai-
so consider site of yard. It should be sheltered for outdoor wintering and have no live trees. Have good tight house for extracting. Store honey at the out-yard, if possidie, instead of hauling it home. In all things, Mr. Nolan said,
do your work systematically and reasonably, not putting off till to-morrow what you can do to-
day
Mr. Morley Pettit, Villa Nova, read a paper on "What Can be Done to Make the Association of the Association was the advancement of the beekeeping interests of this Province. This is ers meet, and face to face discuss and exchange ideas on both the practical and the business side beekeeping. Second, wy the continual and perelou beeheeping as a business, and overco to deobstacles in its way.
dr. Petit proceeded to give the convention ther branches of agriculture offer suggestions. ther branches of agriculture are receiving strong
Governuent support in the way of opening up markets and the proper grading and distribution oi products. Honey is neglected. Other lines The fault lies principally with thewded back. themselves. They do not use to best advantage the Government aid already received, and until hey do, cannot hope for more
Prof. Harrison had already pointed out a line out men to speak at Farmers' Institutes and other farmers' meetings.

President
President.-1I. G. Sibbald, 'laude.
Vice-Presidents.- HR H1 Smith, St. Thomas

## sincretary - Wm. Couse, streetsville.

 aw... ('horry ally Mr. John Athens; Rrosjean; Tacot) Alpaugh (iall Jas Armstrong, Cheap-
 be published in the form of a Bulletin. and

Iomiton, I is Hall; Ottawa, J. K. Darling.

## FOULTRY.

## Winter Layers.

The winter layer is the proftable bird ; and is now that the preparations are made for suc cessiul winter egg procuction-in fact, the prepar-
ations began last spring when the chicke were be ing hatched, or we may say several years ago, when one began breeding up his strain of egg producers. . Wt
brought together and everything got ready for the winter's work. It is necessary that extra care be taken in selecting the birds that shall fill the pens for the winter. A few drones among them
will cut down the profits quite a lot. Any deformed birds, or any which do not come up to the point of being "good" birds for the purpose for which you are keeping them should be thrown out. It certainly does not pay to keep any which
do not show by their rooks that they might make do not show by their Touks that these are enough poor ones amg those which look all right. Perhaps a number make
the mistake of trying to keep too many birds, the mistake of trying to keep too many birds, greater will be their proft, and so they go ahead and keep a lot of undesirable birds, that will not pay for their feed through the winter, forgetting
that it takes the profit of one of the best birds that it takes the proit on one does not lay any egge at all, and one that only lays a few eggs will gereatly diminish the profit of another good one.
Thus a few non 1 ayers will greatly lower the genThus a few non-layers will greatly lowe the gen-
eral average of the whole flock. Of course, we eral average of the while fiock. or course we we
cannot tell exactly which will prove to be good layers, but we can throw out those which seem to lack the appearance that goes to mark the "excel-
lent", layer. It is not the number of birds that we keep, but it is the quality that counts. A few really good birds will pay better than twice as many with a number of drones mixed in. It pays they are found out. Sometimes the best appearing ones fail to mnke good egg producers.
In arranging the interior of the poultry-house the very best plan is to make all the fixtures mov-
able. Have the nests, roosts, dropping boards and all the dishes so they may be taken out when you wish to have a general cleaning up of the poultry-house (which qhould be one of the itenls
your fall work in preparing for winter): you may have an easier job of it, as the fixtures may be taken outside for cleaning and leave only a bare coop inside, with nothing in the way to pre-
vent a thorough cleaning. It pays to lave everyvent a thorough cleaning, It pays to lave cery-
thing as simple as possible, and still furnish the necessary advantages. Why unnecessary fixtures
 is needed, and should be given before ane begins
to build. This might save the changing of the to build. This might save the changing of the
building later.-[Percy W. Shepard, in Aruerican Poultry Advocate

happy." The Canadian mission, which was passed im- The butter shipments amounted to 701,803 packages, The prize offered by the League of the Empire to the school children of the Empire for the best design girl. In the best dozen selected were two from C ada.
Eleven whaling, vessels, which sailed from San Fran cisco last spring, have been caught in the ice in the The U. S. Government has asked until next August. Mounted Police Department forwer that the Canadian prisoned crews.
Once the manufacture of paper was a tedious proc ess, but it is no longer. Some time ago at Elsenthal the presence of a notary, who was charged to certify the time taken. The cutting began at 7.35 a.m., the wood was reduced to small pieces, converted into pulp, sheets were then driven two miles to a printing Thice and just after 10 o'clock a paper was printed, so that in two hours and twenty-five minutes the wood of a standing tree was converted into a journal ready
$\qquad$
Doings Among the Nations.
RUSSIA.
oland is now the center of the disturbances in Rus sia, the Poles having taken advantage of the disorders The Russian Government has refused to entertain th idea of a separation, and martial law has been pro
claimed throughout Poland, to be enforced by 600,000 soldiers stationed there. The pitiable condition Russiin Jews is calling forth much practical sympathy
In England $\mathcal{C} 65,000$ has already bean subscriled In England $£ 65,000$ has already been subscriled fo their relief, American contributors are responding
liberally, and a Russian Relief Fund has been started in Ontario.
tURKEY and the powers.
The patience of the European nations with the cruelty of Turkey to the people of her possessions, an
the evasiveness with which the claims of other cour tries are treated, has seemingly ended. The particular
demand that the Government of the Macedonian I'rov demand that the Government of the Macedonian Iroy
inces, where so much oppression has reigned, should b given into the hands of the European powers has me with no response from the Sultan; and as a result of
his delay in replying, a joint naval demonstration is th
be made achinst Constan be made against Constantinople. Warships from the
various nations will compose the fleet, which will b. THE FARM BULLETIN

## A report of the meeting of the ontario Vegetable growers' Association, held in Toronto, November $15 t$

Japan's flour imports are creeping up to the $\$ 10$,
000,000 mark. She has now thirty 000,000 mark.
$\qquad$ 5.000 lambs into United States markets since the mid
die of October. A. P. Stevensun, of Morden, who has proved that
many varieties of apples may successfully ye krown in
Manitoba, has had a crop of seventy barrels this sua
$\qquad$
$\qquad$
$\qquad$
$\qquad$ indeed. The outlook for the farmers-hoth stock, grain
and fruit growing-is better this season that it has ever

## To the cattle-brecters of Lincolnshire, the Presiden

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$\qquad$
$\qquad$

5. $2 . x+2$


## The Association of Farmers' Institute

 Workers.$\qquad$
The tenth metio ion of Farmers' Institute Workers was formally opened in the City of Washington, on Thursday, November 9th Secretary of Agricultere the United States. Secretary of Agriculture for the United States.
meeting was the most sucoessful held by the organiza tion since its incipiency ten years ago, 55 States and Provinces being represented by over 100 delegates,
Five-minute reports from the several States and Five-minute reports from the several States and Provin of the past year, and indicated the progress that is being made in this phase of agricultural oducation. Among the principal subjects discussed were "Inst tute Organization and Methods," "Institute Lectures, "Co-operation with Other Educational Agencies," "Boys
and Girls' Institutes," and " Co-operation with th National Department of Agriculture.'
The President of the Association, J. C. Hardy, President of the Mississippi Agricultural College, dis-
cussed Federal support for Farmers' Institutes. cussed Federal support for Farmers Institutes. He
considered that the time had come when the value and importance of this work shoutd be brought to the at-
tention of the National law-makers. He urged the tention of the National law-makers. $\begin{gathered}\text { He urged the } \\ \text { adoption of permanent committees to } \\ \text { do continuous }\end{gathered}$ adoption of permanent committees io drom year to year, as it was infinitely more imwork from that the work as a whole should be put upon a broader and more permanent foundation by being
unified, nationalized, and supported by federal appropria ion. Congress had to a limited extent recognized the claims of this work, and for several years past included in the agricultural bill an item for the salaries of our
Farmers' Institute specialists, and he (Mr. Hardy) felt ure as they had once recognized the claims of the work o difficulty would be experienced in showing them how nadequate is this help. He recommended that the asociation appoint a strong committee to present this
matter to Secretary Wilson, and to urge that he ask Congress for a suffcient appropriation to place the work on a progressive basis; that a committee be appointed to consider the advisability of asking for afflia
ion in the Association of Agricultural Colloges and ion in the Association of Agricultural Colloges and
Experiment Stations. The plan to assist in widening the scope of the work and placing it on a more progressive basis, by a requisition from the States for me necessary funds, was favorably rece
EDUCATIONAL EFFORTS.
Prof. F. H. Hall, of Aurora, Ill., and Supt. of Farmers' Institutes for that State, adressed the association
on the on the "Co-operation of Farmers' Institutes with Other
Tducational Agencies." He said that the true measure of value of an institute did not depend so much uron the amount of teaching done as the degree of interest aroused. There must be teaching, but its main purpose
must be first to create the desire to learn, and, socond, must be arst to create the desire to learn, and, second,
to point to the sources of information. For the purpose of arousing interest, one interesting newly-discovered fact, of unquestioned economic value, so preented as to challenge attention and convince the lis-
tener of its importance, is worth a hundred commonplace truths, even though the latter may be essential and presented in a most attractive manner. It is one lunction, says Prof. Hall, of the Farmers' Institute, to ssist in finding what Supt. Bayliss happily ealls " the
rail from the rural school to the college of agriculture." It must not omly find its existing trails, but it
must help to make new ones, and stimulate young people to enter upon tham. It must create a sentiment
in favor of teaching the elements of agricultural science in all the schools, in faver of rural consolidation, rural High schools, agricultural high schools, with curricula suggested by the agricultural college, and including a
department of domestic science. In no way can this be so rapidly accomplished as by the co-operation of Farmers' Institute officers with school officers and teachers. The combined farmers' and teachers' institute is ational reform. There are a few people yet who oppose what they
term early specialization in the educative process. They term early specialization in the educative process. They
plead for ". a liberal education " as a foundation for the conomic and special education. But what is a liberal
ducation? says Prof. Hall. It is the education that makes a man free, that emancipates him not only from the bondage of ignorance, but from the bondage of de-
pendence upon other people for his bread and butter, andence upon other people for his bread and butter,
and from a parasitic livelihood ; that gives him the power to earn his own living-really earn it, by doing something that must be done and thereby contribute Cation is the best, the most liberal in the best sense of the term, for your boy or mine, that will make him
worth the most to the world, able to contribute in the largest possible degree (for him) to human well-heing
Hence the thoughts of the boys should be early turned Hence the thoughts of the boys should be early turned
toward some honorable occupation. This is the purphos of argiculture in the public schools. It is best Why more than half in the poys in the schools, prob- schools, should select It themselyes for this honorable possupation.
factor in glving character to the new education,
aim of which is not ". culture for culture's sake," "art for art's sake," not philosophic leisure, but succes through useful activity, through large contribution to
human needs, through personal effort in doing a share CO-OPERATION WITH OTHER EDUCATIONAL Geo. A. Putnam, Supt. of Farmers' Institutes for
Ontario, outlined the relation of agriculture to the great manufacturing and producing establishments in U. S. and Canada. Co-operation had done much for the
agriculture of Denmark and other European and Australasian countries, and it is to co-operation in its true
sense, each working for the benefit of all, that we on this side of the Atlantic must look for progress in the
future. The Farmers' Institute is in it very essence of a sifting and scientifc investigation of experimental work and practical experience, its whole
life being dependent upon the educational agencies which life being dependent upon the educational agencies which
go to make it up. Among the educational organiza-
tions which combine to perfect the work of the institute in Ontario are the agricultural college and experiment
stations, the different live-stock associations (cattle, stations, the different live-stock associations (cattle,
sheep, swine, horse-breeders, etc.), fruit-growers' associations, beekeepers' associations, etc. These societies
are independent of the Institute as far as organization are independent of the Institute as far as organization
is concerned, but we find that by co-operating with these tion can be more easily established and maintained The aim of the Department is to so arrange the field
of educational work that the Institute officers will be composed of representatives from all societies which have members in the district. Then each of these phases of
agriculture will receive its due proportion of attention agriculture will receive its due proportion of attention
at the regular mectings, and the members of the various
societies will have an opportunity of lending therr societies will have an opportunity of lending theer
assistance to the Institute offlcers to further the special assistance to the Institute offlcers to
meeting in which they are interested

> InSTITUTE LECTURERS

Dr. Tait Butler, Supt. of Farmers' Institutes for
North Carolina, discussed the question of Institute Workers. He emphasized the fact that this was the
most important question confronting those engaged in directing Farmers' Institute work, and it is yet un-
solved. The partial solution indicated by the optimistic reports of directors, were, when taken at their
full face value, merely a short and unsatisfactory truce
with a difnul. with a diffculty which certainly yet remains to be met
and overcome before the Institute work caan be said to
be on anything like be on anything like a sound and satisfactory basis.
Too much concern has been given to getting out a large Too much concern has been given to getting out a large
attendance to devote sufficient attention to the more
important matter of furnishing those who did come with important matter of furnishing those who did come with
the right sort of information in an acceptable form.
What is the right sort of an Institute man, is, thereWhat is the right sort of an Institute man, is, there
fore, says Dr. Butler, the question that naturally arises.
The diversity of opinion re this question is areat and the standard is by no means well defined. "Personally, men or practical farmers, and I don't believe Institute
audiences do audiences do either. The question is not, how the
man, obtained his information, but, has he the right sort
of information of information, and does he present it in an acceptable
manner ?" Because manner $?^{\prime \prime}$ Because a man is a great scientist or a
careful and skilled investigator is no reason for supposing he is a good teacher. Not one in fifty of the
best farmers makes a good Institute lecturer: then why should we expect all colllege and station men to be
a success at Institute work? cator. The day of the agitator should have passed
long ago. It is education. not agitation, that is demanded. The information given must be specific and
definite-generalities are no longer of value in Institute practical farmer as an Institute worker, is that ho in-
sists on giving only his own results and opinions, instead of a definite statement of the average results of
he best authorities interpreted by his own experio or best authorities interpreted by his own experience
or observations. The experience of no man is suff-
ciently broad, nor his judgment so accurate, that ho ciently broad, nor his judgment so accurate, that he
can afror to disregard the work of others if he is to
be a safe teacher. The Institute lecturer must also be a pleasing and
interesting speaker. He must have a terse. incisive.
forcible and attractive way of presenting his facts. To
instruct his heores. forchle and attractive way of presenting his facts. To
istruct his hearers he must interest them, but, says
Dr. Butler, "to my mind the man who must resort to Iunny stories and anecdotes to interest and instruct his
hearers is, to just that extent, short of an ideal Insti-
tuto lecturer ,"


 telligent farmers, and they consequently lose faith, fust as you do in the accuracy of any man who presumes or. Butler sughested that to supply Institute lecturers
in. sufficient numbers, special schools connected with our


this work, and damand the money to pro
scale commensurate Saturday final adjournment took place at 11.30 o'clock Sarurday, when the members of the delegation went
directly to the executive offices of the White House
where they Where they were received by Prosident Roosevelt. G
C. Creelman, O. A. C., introduced the members of the C. Creelman, o. A. C., introduced the members of th
delegation to President Roosevelt.

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\begin{aligned}
& \text { THE NEW OFPICERS. } \\
& \text { The election of offcers resulted as }
\end{aligned}
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\begin{aligned}
& \text { The election of offcers resulted as } \\
& \text { Creellows: G. } \\
& \text { Cran, B.S.A.., MM.S. President; W. W. Miller, Ohio, } \\
& \text { Vice-President: John Hamilton, Scientist, Dept. of }
\end{aligned}
$$ Agriculture, Washington, Secretary-Treasurer. $\begin{aligned} & \text { Execu- } \\ & \text { tive Committee-J. G. Lee, Louisiana : Prof. W. Amos, }\end{aligned}$, Maryland; Prof. H. Hall, Illinois.

This is the first
This is the first time in the history of the American
Association of Farmers' Institute Workera that a Cana Association of Farmers' Institute Workers that a Cana-
dian has been elected to the Presidency. President Creolman has, however, been a veteran worker in this organization, having held the position of Secretary-
Treasurer for ten years. He had intended withdrawing Treasurer for ten years. He had intended withdrawing
from active membership at this meeting, to join the Arom active membership at this moeting, to join the
Association of Argicultural Colleges and Experiment
Stations with whrchion Association of Agricultural Colleges and Experiment
Stations, with which he is more directly connected, but
the dole the delegates, however, urged upon him to remain, and
accept the presidency of this association.

## A Record Ayrshire Sole.

herd of Ayrshire cattle belonging to Messrs. Robert
Hunter Hunter \& Sons, at Springhill Farm, Maxville, Ontario,
attracted a very
large attendance of dairymen and breeders from many parts of Ontario, Quebec, e.nd the Maritime Provinces, together with a considerable numexample of the potency of the combination of a splendid and liberal advertising in ensuring a successful stock
sale. The auction on the American continent best ever offered at selected, bred and fitted for utility. The sale was extheively and judiciously advertised, and the result was
the most successful disposal of the breed ever recorded in America, or, so far as we are aware, in any other
country, being a credit to the country, being a creatt to the owners, to the breed, to the enterprising spirit of the bidders and buyers, as well as to the tactiul and genial auctioneer, Capt. T. E. Robson, of Tlderton, Ont., who disposed of the
whole herd of 65 head in about two and so brisk was the bidding and so well managed the anse The result is a well-deserved tribute to the judgment and skill of the Messrs. Hunter as breeders, and sets the standard of prices for Arst-class Ayrshires higher
than ever before. The highest price of the day was $\$ 700$, for the grand
imported four-year-old bull, Lessnessock King of Beauty, the Toronto and Ottawa champion of 1905 . The bid-
ding on this bull was very animated, and ding on this bull was very animatod, and at rimes exi-
citing, and he was knocked down to the bld of Mr. W. W. Ballantyne, of Stratiord, but was afterwards transferred at a liberal advanco, it is said, to Mr. Percival Roberts, of Narbuth, Pennsylvania. The highest price
for a female, $\$ 675$, was paid by Capt. Androw Zabriskie, Barrytown, N. Y., for the six-year-old cow,
Garclaugh Queen of the Soncies, winner of first pri or a cow in milk at Toronto this year, and $\$ 590$ was realized for the eight-year-old cow. Garclaugh Bloomer
2nd (imp.), first-prize dry cow and female champion at Toronto this year, M. M. P. Roberts, Narbuth, Pa., who
was represented by Mr. J. B. Ketchen, formerly manager of the Massey Mr. Jarm at East Torontormerly man-
aeling the of the most interesting numbers in the sale was the deughter of the champion bull and cow of this year,
deale Which after a spirited contest fell to the bid of Wm
Stewart \& Son, Menie, Ont., at $\$ 285$. The sale totalled
So $\$ 9,255$, and counting the ten calves under four month with their dams, the average was $\$ 273$. Fol
ing is the list of those selling for $\$ 100$ and over: cows and heifers.


 Lessnessock Stylish Dewdrop (imp.), 4 years : J.
G. Clark, Ottawa Lessnessock Queen of Bloom (imp.), \& years : Lessnessock Stylish Betty. 8 years; P. Roberts. Maggie of Springhill, 7 years ; A. C. Zabriskie.....
Garclaugh Maylower (imp.) Minnie Douglas of Glenora, 2 yeara ; John McEwen,
 Princess Beatrice, 1 year; P. Roberts
Princess Ena of Springhill, 1 year ; P. Roberta......... Princess Ena of Springhill, 1 year ; P. Roberti....
Queen of Beauty 2nd of Springhill, 2 months ; Wm. Stewart \& Son, Menie
Queen Jessie of Springhill. 3 months : H. \& I. . ${ }^{28}$ Queen Jessie of Springhill, 3 months: H. \& Norwich 18
Mchen Bros, Charlottetown, P. E. I. ........................
Garclaugh Darling (imp.). 8 years : P. Roberts


Eoline of Glenhurst, \& years ; P. Roberts..
Rotine of Glenhurst, 8 y year's ; P. Roberts................ 8105
Rettie of Springhill, 5 years ; Industrial School,

 Mimico
$\begin{gathered}\text { Garclaugh } \\ \text { Roberts }\end{gathered}$
Leading Lady Lady Kirsty of Clenora, 2 years ; Easton Bros....... 150 Heather Bell of Glenora. 2 years; J. G. Clark....... 125
Pearl of Springhill, 1 year ; Easton Bros. 195 Lady Dulce of Springhill, 1 year: P. Roberts 170 Lessnessock Grace Darling (imp.), 1 year; J. G. ${ }_{\text {Clate }}$
Irene of Springhill, 6 months ; P. Roberts.........................................................
Cessnossock King bulls.
Ring Edward of Springhill, 1........................................ 8700 Queen's Messenger, $\mathbf{3}$ months; Wm. Stewart \& Sork ... $\mathbf{1 8 0}$
Royal Favorite, 2 monthe Minn. ............................................................ 180 Gay Consul; L'Assomption College, Que................. 125
Hoyal Sailor of Springhill, 8 months ; W. W. Ogil-

## Rural Literary Societies.

As the long winter nights are upon us again, and farmers are wondering how to spend them to the best advantage, with the maximum of enjoyment, a few llines he out subject of literary societies would, perhaps, not in our of place. If we had more of them established country, we sections or small villages throughout the ably, but tor ar oveninge, proftthe same time. considerable enjoyment out of them at where these societies have are sections of the country years ; and the young people are quite enthusiaste or their merits, and take great interest in conduoting theme but there are other sections where such societies have never been instituted, and lack of interest is taken in anything pertaining to them. Our school toachers should take this subject up, and have societios eotabeach township, and in arger school sections prised the interest that would be taken in them, and the beneft derived by our young people. Competitione could be worked up between theses societies, and debatee
conducted. In this way latent talent would be to veloped, and farmers' sons and daughters given mor confdence in themselves. We should encourage the art of public speaking among our young men, and do away
with the bashfulness which we hear so much about There are a number of difficulties which we would moe with at first in establishing these societies. Some o these are lack of funds and capable members to start say, ten or twelve to pay twenty-five or Afty cente to meet expenses for the first month-such as supplying lights and getting sultable literature. Regarding the ever instituted them, could each member with a copy, the rules of which should be
strictly adhered to. strictly adhered to. These societies could be condueted once a week, have a concert at the end of each month,
with an exchange of offcera, so

How the "Tarmer's Advocate" Helped.
ing the whil no doubt be interested to know that durooo people to Canada, all English speaking the man Jority of whom we have placed on farms in Ontario. At the beginning of the present season we sent out the newspapers also assisted us by advertising our work the "Farmer's Advocate" among the number, and 1 am sure that you will be interested to learn that out of about 2,000 applications received at thls offce about
$70 \%$ mentioned that they had seen that we supplied larm laborers through the " Farmer's Advocate." We desire to heartily thank you for the assistance you have
eendered us and the men who come through rendered us and the men who come through our agency.
The first time I am in London I hope to have the pleasure of thanking you in person. Fio are making our arrangements for next season's work, and hope to supply Canadian farmers with a good class of me
Again thanking you for your co-operation.

Brigadier, Secretary for Immigration,

## Winter Fair Programme.

Secretary Westervelt reports the programme of loccures for the Winter Fair as nearing completion, and will be in a position to have it ready for "Farmer's
Advocate" readers in our next issue. Everyone interested in making the morst out of their farming opera-
tions should plan to visit the Winter Falr at Goploh, tions should plan to visit the Winter Falr at Guolph,
December 11th to 15 th. These few days spent in
studying December 1th to 15th. These fow days spent in
studying exhibits, listening to lectures and taking part
in discussions are sure to be helpful to any in discussions are sure to be helpful to any farmer. The
poultry show in connection with this fair will itsell re 10 pay the outlay of time and expense of attending.
h


MARKETS.
Toronto.
LiVE STOCK.
Receipts of live stock at the Western
 and 115 calves. At the Union Stock-
yards, the total was 1,302 cattile, 109 yards, the total
sheep, 1,098 hogs.

COUNTRY PRODUCE.
Butter-Creamery, 22c. to 23c. ; solids,
21c. to 21 tc. ; dairy, 1b. rolls, good to choice, 19 c . to 20 tc ., and medium 17 c .
to 18 c . ; tubs, good, 17 c . to 18 c ., and to 18c. : tubs, good,
Inferior, 15 c. to 16 c .
Cheese
Cheese-124c. to 13c.
Egso-19.. to 20c.
Poultry-Fat chickens,
thin, 7c. to 8c. Fat

thin, 8c. to 8c.; turkeys, 12c. to 13c. ;
geese, 9c. to 10 c .
Potatoes-Ontario, 60 c . to 70 c . per bag,
Peese, 9c. to 10 c.
Potaroes-Ontario, 60 c . to 70 c . per bag,
on track; 75 c . to 85 c ., out of store ; eastern stock,
out of store.
breadstuffs.

 No.
84c.
94. .
Millfeed-Ontario-Bran, $\$ 12.50$ to $\$ 18$,
in car lots at outside points; shorts, in car lots at $\begin{aligned} & \text { outside points; } \\ & \$ 16.50 \text { to } \$ 18 \text {. } \\ & \text { Mants }\end{aligned}, \begin{aligned} & \text { Mantoba-Bran, } \$ 15.50\end{aligned}$ to $\$ 16$; shorts, $\$ 17.50$ to $\$ 18.50$, at Toronto and equal freight points.
Oats- 35 c . to 36 c ., at outside points. Barley-No.
46 c . to 47 c.
46e. to 47 c.
Peag-75. to
Perc., outside.FARMERS' MARKF
$\qquad$ Hogs-Light, $\$ 8$ per ewt.
hew -laid, 35
dressed,
120. ;
appl
80c.
8c.
the toronto horse market The horse market was fuirly actin
last week, particularly for connmercial classes. such as drafters
animals suitable for con
const ruct io
marketings
farmers
into the
seen in a,
the line,
claim tha
state and that farmers
prohibitive
prohibitive prices. Despy
remains that the sales wer
the we
difficul
plies. At effecting Reposi
importad Shires were
selling as high as $\$ 55$
price realized was $\$ 300$
samie eatablishment weighing from work. Already the demand for mencing to develop, though so far the

Senator's Roan Mina A Good Feeding Sort
Unprofitable Feeders Dodder
Blue B Blue Bell (imp.) …................................ 1649 A Climpse of the Fruit and Flowers
in Massey Hall H. G. Sibbrald R. H. Smith
Wm . Couse EDITORIAL Farmers and the Tariff .................... 1645
The Royal Show Again Migratory ... 1645 The Royal Show Again Migratory $\ldots 1645$
Open-air Treatment for Cattle ...... 1645 Raising the Factory Standard ..........1646 Horses. What the Hackney Is and Was …...ini46 Administering Medicines to to Animals. 1616
Crossing The Thoroughbred for Crossing
Purposes ... ... ......................... 1547
Dentition in Cattle Contagious Cattle Abortion
Winter Feeding of Beel Catt Shorthorn Regis
The Bacon Pig

FARM.
Fodder (Cuscuta epithymum)
Dur Western Letter
Our Western Lette
Clover in Manitoba
Clover in Mantoba
Manure Spreading-Ensilage Feeding. 1650
DAIRY.
Sampling Cream ........................... 1650

| How First-prize Butter was Made..... 1650 |
| :--- |
| The Four Great Dairy Breeds in |

America
Successful Creamery .................
garden and orchard.


$\qquad$
pollthy.
Winter Layers ........................... 16
the fabm bulletin.
he Association
tute Workers ...

"Farmer's Advocate" " Helped;
Winter Fair Programme ............. 1657
Nova Scotia Notes ................ 1668
East Prince, Po.E. I.: The J. W.
Johnson Holstein Sale ............
Shallow ve Deep Year in Lincoln Clounty; A Good
Yoors Yielded Well . Corn and
MARKETS … .............................1659 1659 to 1665

## QUESTIONS AND ANSWERS.



Miscellaneous.
Niling sheep ; Looking for Poland-
C'himas ..............


Cattle-Common to prime steers, $\$ 2.90$
to $\$ 6.55$ stockers and feeders, $\$ 2.15$ to
$\$ 4.15$; calves, $\$ 2$ to $\$ 7$. Hogs-Choice heavy, $\$ 4.90$ to $\$ 5 ;$ good,
heavy, $\$ 4.85$ to $\$ 4.90 ;$ butcherss'; $\$ 4.70$ Sheer $\$ 3.75$ to $\$ 5.60$; yearlings, $\$ 5.50$
to $\$ 6$. suring lambs, $\$ 6.50$ to $\$ 7.25$.
OLD indian fashions.-Corn uscd
to be ground by pounding it between two


Buffalo.
Hogs-Heavy
$\$ 5.15 ;$ Yorkers, $\$ 5$ to
$\$ 5.10 ;$ to $\$ 5.10$; roughs,
stags, $\$ 8$ to $\$ 3.50$. Sheep and Lambs-Lambs, $\$ 5.75$ to
$\$ 7.35 ;$ yearlings, $\$ 5.75$ to $\$ 6 ;$ wethers $\$ 5.50$ to $\$ 5.75$; ewes, $\$ 5$ to $\$ 5.25$ sheep, mixed, $\$ 2.50$
lambs, $\$ 6.75$ to $\$ 7$.

## Chicago

Single roadsters, 15 to 16
hands $\ldots . . .$.
...
............ $\$ 125$ to $\$ 175$ hancs … ... ... ...............125
Single cobs and carriage
horses horses $\ldots$.........................
Matched pairs and carriage
Mo horses, 15 to 16.1 han to
Delivery horses, 1,100 to 160
1,200 lbs.... ... .............. 125 to 160



## Montreal.

Cheese-Quebec, Octobers, 12 c . to 12 c 12 wc. to 12 fc ., or 12 yc .
Butter-Market firm. Good to fine creamery, 23 tc. to $23 \ddagger \mathrm{c}$. ; choice, 23 tc Potatoes-Dealers purchasing at 55 c . per
bag of 90 lbs., carloads on track. Grain-Oats, steady; No.
Buckwheat, 58 \&.c., store. Buckwheat, 58 \&.c., store.
frrmese in in wheat, owing to reported un-Beans-New primes, $\$ 1.55$ to $\$ 1.60$ per Hay-No. 1 timothy, $\$ 8.50$ to $\$ 9$ Milfeed- $\$ 6.25$ to $\$ 6.50$ per ton. toba, in bags ; shorts, $\$ 20$; Ontarios Live Stock-English market stronger local markets about steady, excep that 6c. to 6 fc.; mixed stock, $5 \ddagger \mathrm{c}$. to 5 g c . A few choice cattle, 4c. to 4 cc ; good to
fine, 3 c . to 4 c . Sheep, steady, at to 4tc.; lambs, bc. to $\begin{aligned} & \text { Stc. } \\ & \text { Seed-Local dealing are from } \\ & \$ 6.20 \text { to } \$ 7.25 \text { per bushel of } 60 \text { lbs. for }\end{aligned}$ alsike; timothy being $\$ 2.50$ to $\$ 8.50$ per iveries at shipping pointered for de-
ntario.
Eggs-No.
fresh Egge-No. 1 fresh selling at
and select fresh, 24c. to 25 c .
Poultry-Finest. Poultry-Finest, fresh-killed, dry-plucked
turkeys, 14 $\ddagger \mathrm{c}$. to 15 c . ilc . finest ducks; best geese, $9 \ddagger \mathrm{cc}$.
finest chickens, 10 c . to 10 id .

## Contents of this Issue.


disp, do you see du." replied Pat.
To bo sure (oi du,
Many amusing stories, according to The Rochester Union and Advertiser, are told
Theodore C. Weeks, the banker of Theodore C. Weeks, the banker and
roker, who died a short time ago. Saturday, many years ago, Mr. Weeks
went into the office of the late Irving A.
Evans, in the Fiske lhilding, and said vans, in the Fiske huilding, and said
to Mr. Evans: "I wish you would lend
ne $\$ 5$ until Monday." Mr. Evans, who was somewhat hard of
hearing. put his hand to his ear and Mr. Weeks, taking courage, said, "I
wish you would lend me $\$ 10$ until MonMr. Fvans handed out the money with
the remark: "I wish I had heard you
$\qquad$ "And where would do." replied Pat.
. 1 be to-tay if the

GOSSIP COMING. On December 13th, during the Winter Fair, as announced in the advertisement
on another page in this issue, $a$ joint sale of 30 head of Shorthorns from the Meyer, Guelph of and Geo. Amos \& Son,
Moffat, 10 miles from Guelph, will be Moyfat, 10 miles from Guelph, will be
held in that city. The offering will comheld in that city. The offiering will com-
prize representatives of half a score of the best of Scotch families, young, or in
the prime of life, and in good healthy hreeding condition. These herds have
been founded on first-class stock, and bred on sound and intelligent lines, and have been supplemented in recent years by judicious purchases of richly-bred animals.
First-class sires have been continuously haed, and the progeny of these in young bulls and heifers, with a number of good young cows in cair, the sale. The Amos herd has had the benefit of the services old Lancaster, winner of the grand cham-
pionship of the breed at the Canadian National Exhibition at Toronto last year, a good portrait of whom may be looked
for in our next issue. Most of the young thing
have Cruickshank bull, Chief of Stars (imp.),
and Lovel bred by John Gardhouse \& Sons,
Highfield tional attraction to visitors to Guelph
the week of the fair, and as reduced railway rates are provided ior an improv-
breeders and farmers desirous of ime
ing their stock should not fail to take in the sale. Write early for the catalogue
to Mr. A. Edward Meyer. Guelph, Ont., and bring it with you to
the sale, as the probability is there will be a big demand for it
Beals C. Wright, the tennis champion "When the reed bird season comes an enthusiastic suort "1 think of my cousin hunt, and had excenlent luck. The mily, on his return, feasted.
(. His wife, a week or so later, said
him: co. How many reed birds was it that
you shot, do you rememher, and all beauties.'
". Then the grocer,' said his wife, ' has made a mistake. He charges for only

Cantal Autornd \$2,000,000.00.
head office
TORONTO, ONT.
TMARD GURNEY, Presid

SAVINGS BANK DEPARTMENT.
$\mathfrak{L i f e}$, $\mathfrak{L i t e r a t u r e ~}$ and Education.


## George Eliot.


gently, " l've seen men as are won-
derfully handy with children, though derfully handy with children, though
they be awkward and contrary mostthey be awkward and contrary most-
Iy, God help'em. You see this goes
first, next to her skin," proceeded first, next to her skin," proceeded putting it on. "Yes," said Marner, docilely, they might be initiated into the my-
steries. steries; 'Whereupon Baby seized his
head with both her small arms and head with both her small arms and
put her lips against his face with w purring noises,; "See there," said Dolly, with a woman's tender tact, "she's fond of
you. She wants to go on your lap, you. be bound. Go, then ; taker her,
Master Marner : you can put the Master Marner : you can put the
things on her, and then you can say things on her, and then you can say
as you've done for her from the first as you ve done for her from the firs
of her coming to you." Marner took her on his lap, trem-
bling with an emotion mysterious to bling with an emotion mysterious to
himself, at something unknown dawnhimself, at something unknown dawn-
ing in his life. Thought and feeling were so confused within him that if
he had tried to give them utterance he had tried to give them utterance
he could only have said that the child was come to him instead of the gold-he had lost-that the gold had turned into the child. He took the
garments from Dolly and put them garments from Dolly and put them
on according to her tcaching, interon according to her teaching, inter-
rupted, of course, by Baby's gym-
nastics. nastics.
"There, then ! Why, you take to it quite' 'easy, Master Marner,"' said
Dolly, "but what shall you do when you're forced to sit at your loom?
For she'll get busier and mischievouser every day-she will, bless her!" Silas meditated a little while in some perplexity. " 'I'll tie her to
the leg o' the loom," he said at last, the leg o' the loom, he said at ast,
" tie her with a good long strip o'
something."
"Well, mavhap that'll do as it's a little, gell, for they'r easier persuad-
ed to sit in one place nor the lads. ed to sit in one place nor the lads.
I know what the lads are, for I've had four-four I've had, God knows-
and if you was to take 'em and tie and if you was to take 'em and tie 'em up they'd make a-fighting and a-
crying as if you was ringing the pigs. Eh, if it wasn't a sin to the
lads to wish' em made different, bless
'em, I should have been glad for one 'em, I should have been glad for one
of 'em to be a little gell-and to think as I could ha' taught her to scour and mend and the knitting and
everything. But I can teach this everything. But $I$ can teach this
little un, Master, Marner, when she gets old enourh."
" But she'll be my little un,", said Marner. rather hastily, "she'll be
nohodv else's." "No, to be sure, you'll have a
right to her if your re going to be a father to her and bring her up ac-
cording. But." added Mrs. Winthrop. coming to a point which she had coming to a point which to touch up-
determined beforehand
on. "you must bring her up like on, "you must bring her up like
christened folks' children. and take christened folks' children. and take
her to church. and let her learn her
catechise. as my little Aaron can say catechise as my little Aaron can say
off-the " I believe" and "hurt no-off-the "I believe and
boty by word or dect." and every-
thing, as well as if he was the clerk thing, as well as if he was the clerk.
That shat you ,wust do. Nastor
Warner. if yon do the right thing by That's what youn wust do. Mastor
Warner. if yon do the right thing by
the orphin child

In pulses stirred to generosity,
In deeds of daring rectitude, in deeds of daring rectitude, in scorn thoughts sublime that pierce the night
like stars. And with their mild persistence urgo - man's gearch

To make undying is heaven;
Breathing the beauteous order that con-
trole thewing sway the growing ufe
ith growing sway the growing life of
So we inherit that sweet purity
For which we struggled, falled and
ith $\begin{aligned} & \text { agonized } \\ & \text { widening }\end{aligned}$ retrospect that bred despair. Rebellious flesh that would not be nubA dued, Poor anxious penitence-las quick diasolved; harmonis, quenched by meetil Die in the large and charitable air;
And all our rarer, better, truer self, That sobbed religiously in yearning song,
That watched to ease the burden of the

Laboriously tracing what must be, A worthier may yet be better-saw within And shaped it forth before the multitude Divinely human, ralsing worthip so
To higher reverence more mixed with love.
Thet ber self shall live till human Shall fold its eyelids, and the human aky Be gathered like a small scroll within the Unread forev
Which Thartyred is then to come. For us who strive to follow. May I
That purost heaven, be to other mouls The cupp of strength in some great agony,
Enkindle generous ardor, feed pure love Beget the smiles that have no cruelty. Be the sweet presence of a good difllyued,
And in: difusion ever more intenso । So shall I join the choir invisible, Whose music is the gladness of the
world.
-Cheorge Ealiot.
Tribute from a Leading Iducationist.
a Slince boyhood on the old farm 1 heve followed the career of your exHome Magazine " with great inter-est-as, it has developed from. a
monthily to a semi-monthly, and then to a weekly, with its many departments, all so ably edited, and all so good. I must now express my ap-
preciation of it all, and especially preciation of it all, and especially of
the latest department begun-" Lifo, Literature and Fiducation." ${ }^{\text {and }}$ True greatness in a nation and greatness
in literature
develop,
together in literature develop, together,
thought, and language to express thought, and language to express
that thnught. The prosperity of Canafla for any. .opreations will and no one can estimate the benefit and no one can estimate the benefit
to our Fair Canada" of the culti-
vation of a mod literary vation of a cood literary thaste by
this liopartment in your Magazine which poos into so many thousands
ideas are swept away. Wishing your magazine ever-increasing pr Yours very sincer
W. R. MANNING, Principal

Bruce Co. Model School
Walkerton, Ont., Nov. 11th, 1905.

## Magnifying Lenses.

 There are but few inexpensive cles capable of contributing more to a family's pleasure and profit than amagnifiying lens: and such an magnifiying lens; and such an article is simply indispensable to a
pupil in one of the higher classes in pupil in one of the higher classes in the public school for nature-stuay
orchard it is useful for the detection sect them, if necessary. The legs of impurities in small seeds and the can be removed and the lens sup-
observation of the eggs and certain ported in a handle of twisted wire. stages of small insects that are in- In this mounting it can be carried jurious to garden and field crops. In in the pocket, and used in the orthe household it frequently comes handy to examine fabrices, food in-
gredients, thistles in the fingers, etc. gredients, thistles in the fingers, etc.
The most serviceable kind of lens, after one has learned how to use it,
is the form known as the watch is the form known as the watch-
maker's. It fits under the eyebrow maker's. It fits under the eyebrow
like a monocle, and leaves both hands free to manipulate the object under study. The tripod is a generally convenient and satisfactory instrument.
Placed on its legs over small objects Placed on its legs over small objects
lying on the table or a piece of paper
or cardboard, such objects are in
hard or field quite conveniently.
An inexpensive form of lens that is convenient for carrying in the is convenient for carrying in the
pocket is known as the bellows lens. One or two lenses are mountturned out from an upper and lower plate of vulcanite. When closed the vialcanite plates protect them from
dust or scratching. Students somedust or scratching. Students some-
times miount this kind as a dissecting lens, so that both hands may be ng lens, so that both hands may be of the cork outside to receive a wire of the cork outside to receive a wire
upon which the lens can be adjusted,
when it will be in focus. The lower end of the wire is inserted in a bit board lat serves for a lable Thomas H. Russell, L.L. B., the editor-in-chief of Webster's Imperia
Dictionary, has compiled a Dictionary, has compiled a littl
book (Geo. W. Ogilvie \& Co.. Chil cago, Ill., publishers) called "Fault English Language." This littl book, of a size that will fit the pock et conveniently, is well arranged fo ordinary use, and in it will be found
"boiled down." a great deal of valuable information for those who wish to use correct English in their ordinary speech or in writing. The mos
common errors are pointed out and common errors are pointed out and
the correct form indicated. A very useful little book, indeed.

## St NORWAY'S NEW KING AND QUEEN. 邬

When the Norweg ians had finally decidtheir best interests to have a king and gov ernment independent of Sweden, they begran to look about them for some member of roy alty worthy of holding the sceptre of the Vikings. A few of the citizens were in favor of doing away with the kingly offce entire ly and establishing
republican form government, but the majority were desirous of being ruled
over by a monarch The son of Sweden' king was thought o and ${ }^{\text {an }}$ invitatio
given him, but it wa not accepted, as the arrangement did not meet with his father's offer of a throne was made to Charles, Prince of Denmark the grandson of old daughter is our own beloved Queen Alexandra. He accepted on chiscite vote of Norwegians should be in his favor.
12th this plebiscite was taken, giving a large majority in favor of this popular
prince. Prince Charles prince. Prince Chares
should prove a king well suited to the free-dom-loving Norweg-
ians, for he is almost ians, for he is atic in his ideas as they are, the result, no doubt, oi
marrying an English $\underset{\text { wife. His mother, the }}{\text { marrying an English }}$ Wife. Prown Princess of - Denmark, was very anxious that he should
wear a crown, and wear a crown,
would have been pleased if he had married the young Queen that he is king in his own right, her disappointment over the
failure of her plans failure of her plans
will be iorgotten. Since marrying Princess Maude of of
Wales, third daughter Wales, third daughter
of the King of Englan of the King of Ench in England, and has honorary rank in the The Prince, who will will be known
be crowned July, but already great preparation are being made in Norway for the reception of the new

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his
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Prince Charles of Denmark and Princess Maude of Wales.

water supppy or food, it
is but a question of time when typhoid germs will reach the stomach through
the water supply or food The germs of typhoid like the seeds of other
yegetable organisms, often egetable organisms, often
prove more vigorous when transplanted to a new
This was soil.
trated
in camps established variour during the war with Spain.
While no soldiers evident While no soldiers evident
ly ill with typhoid fever 1y ill with typhoid fever
were received in them, men
suffering from attacks were received in them, men
suffering from attacks so pear ill brought the infec tion. By not regarding conveying as capable of hy omitting disinfection Conditions of camp life fornished abundant mean or the contamination of food, and typhoid of virulent ${ }^{t y p e}$ became
alarmingly frequent. No doubt many cases o tracted in country dis-
tor who leave the city in the summer.
if all
a 11
sewage promptly disinfected, ty
phoid fever would becom extinct. This is most difficult except where, by a system of perfect piping
it is possible to carry the
 sea. In inland cities and
in country districts there
still is still need for the intro-
duction of improved muction oif improved
methods of sewage. towns where no plumbing is employed, but where
sewage is deposited open is deposited in
wells, vaults of
oprains, typhoid drains, typhoid fever is
constant menace. In such constant menace. In sukh
cases the antiseptic value
of wood ashes may be utilized. Coal ashes may Hikewise be used, but the
effects are not so markedly germicidal.
The germs of typhoid are also killewi of typhoid prolonge
apposure to direct sun exposure to direct sun-
light, but in a watery
medium they sink into the soil; and in soil of cer-
tain kind int ain kinds they may re-
main unexposed to the sun
and in a state col transmitting infection for years.
germs of this disease by the germs of this disease by
mple process of antisepsis would
the infection of water with isease. Until of water wis is generally
viling all water of which there is
 wealth you used to have


Keeping

## " In Tour

with
th It is wonderful how helpful a ilteral And Jesus said, somebody hath touched Me : for I perceive that virtue
out of Me.-S. Luke viII. : 46 .
" Only a smile, yes, only a smile,
That a woman o'erburdened with gries That a woman o'erburdened with grief
Expected from you; twould have given
 But, weary and cheerleess, she went away,
Because, as it happened, that very day
You were 'out of touch' with your Lord."
The account given by three evangeliats of the woman who was haealed simply by
touching the hem of our Lord's garment, touching the hem of our Lord's garment,
is a very strange one; the miracle seems is a very strange a in a itself. Although
to stand in a class by we are told in a general way that poople garment, this is the only particular in-
stance recorded of a cure in which He stance recorded
was, apparently, a passive instrument. was, apparently, miracles He actively exerted nitraculous power, in this He submitted
nit
to nave . 'virtue ", taken from Him. Into have "virtue " taken from Him. In-
stead of His hand outstretched to help, stead of His hand outstretched to help,
we find the woman's hand stretched out we fine
in determined faith. Touching Him in
that way she could not fail to win the that way she could not fail to win the
health she wanted, although the multihealth she wanted, although the multi-
tudes thronging and touching Him on overy side gained no advantage from that
nearness to God Incarnate. Have things nearness to these days? See how many
changed in the throng into our churches, pressing close go because it is the common custom, some because they have nothing else to
do, others to meet their friends-but-only those who, with earnest purpose, are
reaching out to touch their unseen Mas ter come a way strengthened and refreshed
for the battle of life. It is the same way when we approach Him in private prayer. One earnest sentence really
spoken to Him brings answer, and we cang go away feelling, like
the woman, that the woman, that He has helped us, that
prayer is not speaking only Into blank space. It is the same with hymn sing
ing. You may sing hymn after hymn ing. You may sing hymn ater hymn-
and anjoy the singing too-and yet never and enjoy the singing too-and yet neve
give a thought to the listening Lord. Then, perhaps. you rouse yourself and
send a strong .. Abide with me st straight up to the Throne, and
through and through with the wonderful throught that you have touched the hem of Christ's garment, that His glorious
quickening power has been poured afresh into you.
Strange, is it not? that we who know by happy experience the gladness of an upward look to Him, and the senge of
renewed strength it never fails to bring renewed strength it never falis to bring,
should drag along so wearily without it
sor should drag along so wearily without day.
hour arter hour-perhaps day after day
Baring Gould says that Noah had a winBaring Gould says that Noah had a win-
dow in the root of the ark, so that when dow in the roof of the ark, so that when
he got troubled and discouraged he could hog up towards Heaven. He could not see the waves or the drowning people,
but his thoughts were lifted up after his eyes-up to God-and he goes on to say: "It is very true that you have your home
duties set you by God. You wives have duties set you by God. You wives have got the cooking and washing and mend
ing for your husbands and children. You have the cradles to rock, and stockne
to darn, and the foors to scrub, and the
well, mell well potatoes to peel. Well, well, well 4 or
course you must do this. God expects course you must. It is your duty to do
you to do this. this. But then, don't occupy your minds
only with the cradle, and the ktockingas. and the floors, and the potatoes. Have a hole in the roof of your house. Look
up! Look up to God! Think of Heaven. Set your affectlons on things above. Let your heart be there. Your
spiritual nature will be smothered if there spiritual nature wil ite smotered Never allow your
be no opening for minds to be engrosed by the cares and
duties of the things of earth. Always duties of the things of earth. Always
keep an opening towards Heaven, through
Which you can look up to God's throne."
can see the sky. I always find it easier can see the sky. I always, ind it easier
to make prayer a real speaking to a lis-
tening God when, like Daniel, I am look-
ing through a window, up, up into ining through a window, up, up into in-
finite space. One can find God more certainly when gazing up to the solemn
stars than when the head is buried in the hands-at least it is often so. But there is another reason for leeping " in touch " with our unseen Head besides the help and happiness it always
gives to ourselves.
The Body of Chriat gives to ourselves. The Body of Christ
is like our own bodies-each member must be in constant communication with Him or it is helpless. Destroy the nerve
along which messages fash from bead or along which messages fiash from head or
foot to the controlling brain, and they are paralyzed at once. So, if we want to give others any real help in their
apiritual life, let us see to that we are apiritual life, let us see to th that we are
channels of power from Chriet to them. channelsk of power from Christ to them. as fruitless as to attempt to move a car with a wire which had been cut off from
the central power-house. The wire does not, cannot, move a machine or light a room; it is only a channel or the in in-
visibie force which we call electricity. $\mathrm{S}_{\text {o }}$ visible force which we call electrieity. So
it is in spiritual matters. God chooes it is in spiritual matters.
to touch men through men, but all the power is His, the men are only channels. We are warned that no one can oven
". pray." without the help of the Holy Spritit, much less can a " power-word" Spirit, much less can a powor-word
be spoken without His help. Though
angels proclaimed the angels proclaimed the good ilidings of
great joy on one occasion, for the most great joy on one occasion, for the most
part it is man's high privilege to propartim the good news of God's love to a sinful world. Angels may well wonder
ithat men seem so indifferent to that that men seem so indifferent to that great privilige. But to get into helpful
" touch " with men it is most necessary to keep "in touch " with God, other wiso mission work at home or abrond will most surely be a dead failure, no mattor
how prosperous it may appear on the outside. And it is encouraging to romember that if you really are "in
touch" with Him, if you lay all your touch " with rim, if you lay all your
schemes before Him, asking advico in
simple, practical simple, practical fashion, as you would of any wise earthly friend, then your
words and infuence will surely tell for words and influence will surely tell for
good in the end, though you may thinls good in the end, though you may think
the outlook is very discouraging at Arat. Time is very preclous ; don't lot us watte it by letting days and years allip away
without actively touching Christ, so that without actively touching Christ, so that
wo may reffect His light. The face we may reflect His light. The
turned up to Hom must shine, and men
who see the good works which are the Who see the good works which are the
natural result will be led to glority the Father in heaven, because it is very plain Father in heaven, because sorrow or pain can quench is not an earthly and natural,

Only a day, yes, only a day,
But, oh ! can you guess my friend Where the influence reaches and where of the hours that you frittered away? The Master's command is. 'Abide in
Me.' And fruitless and vain will your service If ' out of touch' with your Lord." It is a very solemn thing to be 1 living souls, because no one can possibly measure the infuence his ulfe has on
others-an infuence which must tell for time and for eternity. A very telented scribes in one of his books patker, dolavyer in Montreal who had lost his own aith dellberately helped to destroy the when he had repented of his Years after, was appalled to find that the needs, he had sown so recklessly had taken root nd borne bitter fruit in the $11 f 0$ of the
ther man, and he was utterly undo the mischlef he had done. That is
the sad anable to
The the sad side of the power of infuence, hut think of its mighty power for good. lived nearly 2,000 yeara ago of that 140 Place an Ad, in the Farmor's Advocais
so small that it is hardly considered
worth mentioning to the ehildren in our
day schools. Only a vely short Life, day schools. Only a vety short Life,
ending in a shameful death-apparently a an invisible leaven through society like since, not because of the wonderful works
that were done-miracles are considered more of a hindrance than a help to be
lief in these days-but simply and solely

## GLENGARRY SCHOOL DAYS.



## (2n)

5 Reasons for Buying from Us
a We are jewe ry manufacturersthus enabling us to thus enabling us to sell direct at a sav-
ing to our patrons.
9 You never have to
wait for your goods.
Promptness our
motto.'
GOur personal guar GOur personal guar-
antee accompany-
ing each and every purchase.
a You run no risk-
money refunded in
money refunded
full if not satisfied. aOur facilities in our Mail Order Deour Mail Order ${ }^{\prime}$ department
axcelte to-day for our
a Write to-day for our
lilustrated cetraoguo of
overything pertafing to
Mustrathing
jowelry.
Aminose KENT Esons
156 Yanges Toronto





 Canada Business College, Chatham
om
ont.
A Young Man's Face



Acne treatment,
Ach Pimp Cure.




Graham dermatological institute Portrait of the Late Bishop Baldwin

The London Printing and Lithographing Co.

A Watch Dial-ogue
Says the slow watchHow time flies says the EIT CTI WATCH "Time cannot fly past me"
 ELIIN NATIONAL WATCH CO., EIgIn, III.

## The Real Value

of a flour should be judged by the results obtained with it

Five Roses Flour gives better results and is casier and more economical to use for bread or pastry than ordinary brands. It is, therefore, the best value on the market, and all housekeepers should use it.

LaKE OF The woods milling company, Limited.
J.P.CLINTON \& Co.

## Edmonton,

 Alberta REAL-ESTATE \& FINANCIAL AGENTS Estates Managed for Non-Residents. We have lengthy lists of choice improved and wild lands in the Edmonton and Vermilion Valley districts that are rapidly rising in value with the advent of railways into Central Alberta. Many of these lands are situated near new C.vested now will double in a fow years.

etter in Albertice: $\$ \mathbf{2 3 . 0 0}$ pern acre. Fasy term
Reference: Imperial or Montreal Bank.
"Careful Attention to Business," our motto


## Laurentian STOVES AND RANGES Second to Nome in Canada. <br>  <br> The Gould Manuf'g Co., Ltd. <br> Smith's Falls, Ont.

appalling variety of pies and cakes,
served by the big girls and their sisserved by the big girls and their sis-
ters, who had recently leit school.
and who consequently bore themomand who consequently bore theman-

ves with all proper dignity and importance , were of cake or pie unless specially | proper dignity and hrealed only too plainly their |
| :---: | ound a pail of water and a tin cup. n ser nd. third, and fourth supply of From hand to hand, and from lip to an or the oily lip the cup passed, with a fine con empt of microbes. The only point

f etiquette insisted upon was that " "leavings" should be allowed to
cmain in the cup or thrown back into the pail, but should be carefully flung upon the floor.
There had been examination feasts school. when the boys indulged in free fights at long range, using as
missiles remnants of piecrust and cake. whose consistency rendered them deadly enough to " bloody" a
nose or black an eye. But these hase or black an eye. But these
harbaric encounters ceased with
Archie Munro's advent, and now Archie Nunro's advent, and now
the bovs vied with each other in
"minding their manners." Not only was there no snatching of food or exhibition of greediness, but there
was a severe repression of any apwas a severe repression of any ap-
parent cagerness for the tempting
dainties, lest it. should be suspected that such were unusual at home.

## ON SOME CONTRASTS.

WHAT ONE MAN CAN
And just here comes in another " " With $£ 20$ a man here is something of a capitalist. In England all he can do with it is to put it
in the post-office savings department in the post-office savings department
at $2 \frac{1}{1}$ per cont. ; but here it will at $2 \frac{1}{2}$ per cent.; but here it wim
get him 100 acres, and leave him
with $£ 15$ with which to build a log
 partly for himself and partly for
other farmers, he can keep himself going in fair comfort; and another winter in the woods should enable him to devote the whole of the fol-
lowing season to the clearing of his lowing season to lay
own land.
Thus in a ferv years he would lay the foundations of independence, as
nearly all the men in the camp here nearly all the men in the camp here
have done. for each of them, in one
art part of New hrunswick or another, children, who keep the cattle fed in
his absence. Of course, a man who his absencc. can bring canital with him has a can artiventare : he can buy the
great and, with the greatest accessi-
best land, bility to the railway. or a farm wut. as I have said before, many of the most successful farmers in the Province are men who began with-
out canital. took up land and by lahor in the woods, winter hy win-
ter. earned the money for the development of their uropurties. And
what one man can do, another can What one man can do, another can
do. Fven if an immmimant doss not
take un land he can live well-provilded that ho will work hard and
keen awav from the drink , THF EXCEPTION PROVES THE - "Take the case of the Bristol man iwenty years, and owns four hundred acres. He does not work them
now. because he finds farming lonesome and is one of those talkative Out a sucenssion of new faces and
ninfamiliar voices H Hence, by choice
hi. followe the
$\qquad$
"Have some more, Jimmie. Have a doughnut "said the master, Who "He's had ten a'ready," shouted ittle Aleck Sinclair, Jimmie's special Jimmio emila in me silen ${ }^{\text {mournnts ? }}$ sked the master, feigning alarm. "He's got four in his pocket, He's got a pie in his own pock"He's got a pie in his own pock" "A pie !", exclaimed the master. not the best place for a pie. Why don't you eat it, Aleck ?" "I can't," lamented Aleck. "I'n full i can."'," lamented Aleck.

DO, ANOTHER CAN DO with. He is going home this year-second-class in a C. P. R. 'steamer.
The fare to Liverpool will cost hin The fare to Liverpool will cost Eng lish laboring man taking seven ocean years? His imagination would not carry him further than a day trip. once in a lifetime, by a Belle steam-
er to Boulogne and back. And far from such a man having land of his own, his only foothold-the only space which he can call his own (sp long as he pays rent)-is the single
room in the back street in which he lives. I am not deriding him it is not his fault that his environ-
ment is what it is ; but I am putment is what it is ; but I am put
ting the case of my Bristol friend
in in this way, in order to bring into
clear rellie? the prosperity of thil clear rellief the prosperity of thic
laboring classes of Canada. It is not to be compared with the wan of means and narrow social limita-
tions of the laboring man in Eng land."
The The keynote to success, not only Provinces, but in any part of the Dominion, is a dogged determination
to succecd, added to vigorous health and abstemious hablts. Some in dustries call for more knowledge and
skill than others skill than others, notably that of
the lumber trade, but the writer of the lumber trade, but the writer of
the article in the Enclish paper from which I have so freely quoted has certainly established his point, not only by precept, but by practice
that even a newcomer, ignorant of the woodman's art, can Wir tis
bread at lumbering in New Brumswick and Quebec. Should he find himself stranded therein, and unable
for a time, at least, to attain the goal of his ambition, the building up for himsel? and family a home
unon the fruitful prairies of the unon the frutficl prairies of the
limitless Northwest, he knows
that evervthing comes who waits especially if while For Every Day

$$
\begin{aligned}
& \text { We should be glad of everything that } \\
& \text { has come to us, no matter if it is sor- }
\end{aligned}
$$

$\qquad$
$\qquad$

## The Oelebrate Finglish Cocoa <br> An admirable food, with all

 An admirable food, with ant This excellent cocoa maincains the system in robust winter's extreme cold. COCOAThe Most Nutritious and Ilconomical.

SunnySouthern Alberta.
THE COLORADO OF CANADA.
The Alberta Railway (3) Irrigation Company hasiso.000 aures Choloo Fall or

 | BRICE, $\$ 6.00$ PER ACRE. |
| :--- |
| Rooknary, |
| Pountide | PRICE, \$6.00 PER ACRE.




C.A.magrath, Land Commissioner Lothbriade, Ellberta.

Messrs.Osler,Hammond \& Nanton winniper, Man.
Nore-The frat oar of this year's winter
wheat was thipped from Lethbridge
wheat was ahipped on August 128th lest.

## (\%)




 $\mathrm{A}^{\mathrm{GENTS}}$ The onhated in uncerresented territory

 Sixiteon thouaan



For sale-190 acres rich clay loam farn


 I Mproven farms for zale in the Edmonton $\mathbf{K}^{\text {MMLOOPS, }}$ Aritibh Columbia- Ranconing teal eatate Kampoops,


 ,

## HIDES, SKINS

WOOL, FURS, TALLOW, EIC
E. T. CARTER \& CO., Toronto.


## Papa's Calendar.

This is my Sunday head of hair. A bow ory riboon tiled with care, Like all the other girls.

1 star is how on weekra-day My Bart to go to echool,
migtails plaited eventy The parting drawn by rule.

But gite of all that I can do.
Upon a Saturday
This is the way my hair will look,
When I come in trom play
I ame my papa's calendar
He often will declaro
He otten will declare
That he can tell
By hat looking at my hatr.
Not Stuck Up.
"Well, you do look like a posy, sure enough," said Susan, the maid, as Etale
walked through the hall. ". Where are walken trough the
you going this nice morring?"
o T'm eoing down to poor old Aunt " 1'm going down to poor ord, Aunt
Dinah's, to take her some fowers," said Elisie. " She says she gets ' pow'rful tired in dis Nort country seein' so few
 the garden.
Anyone who had seen the dear little maiden would surely have agreed with Suan.
She walked about, taking in the full
 ing if ever a day had been quitto so per-
foct
Every
dewdrop added
 darling little flowers looked un in the
dat
onnhine sunnhine. The birds chirped and trilled and twittered as it they were all trying
which could say the most about the the


 taking you for,"
But
But outside the garden, and down the
Elisie tound Foat, Elisie found some things not so hheo shabhy, unwasthed litule children-a boy and a girl and a baby-were playing in the sand. My an't she dressed up nice ?" ex-

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$\qquad$


Aunt linah." snid Elisie, soberly, "1s
any harm to
like to thave on clean
othes and look nico ?

Ha ha! suck the "And fust as stuck up as ever." The other children mwest an an she. Ther they were, and the saucy boy gtooped to
pick up a bit of dirt to throw at her as pick up a bit of dirt to throw at her ais
she hurried by. she hurried by.
uut it was never thrown, for as he he raised his arm he caught sight of some
thing which made his face turn pale. thing which made his tace turn
" The baby ! " he screamed.
 the bank the poor little unkept two-year
old had made his way, and had crept old had made his way. and had crept
upon a log which lay in the water close upon a sog which roy this he had climbed to nother and another loge until he now
stood balancing himselt upon one which stood balancing himself upon ono which
lay next to the dark water beyond.
with thike tor hell the boy rushed to Tay next to the firins hor help the boy rushed to-
ward the mills, while his sister ran wildly
 about, screaming, "Mamma! mam-
mal
Elsie was older than either of them. swistly C into her little head came houghts of stories she had heard abou
the folly of people allowing themselves the folly of people allowing themselven
to become frighteen in times of danger
instead of trying too do their bost to help instead of trying to do their best to help.
She ran down the bank, and, before the She ran down the bank, and, wefore the
boy had reached the mill, was setting boy had reached the
her feet upan the logs.
Her head grew dizzy, as they tipped and olled under, and sha halr thought of go
ing back. But she heard a pitiful little Ing back. But she heard a pitiful 1itet
cry trom the baby, and could not find in her heart to turn her back upon him, most reached him, when he glipped into the waier. Elsie threw herself at
liength on the log, and stretching out $h$ arm could just lay hold of his dress. She
grasped it it tighty, holding on with all grasped it tighty, holding on with
her might as the cruel water seemed detormined to sweep her away.
Hold on a minute longer
Shouts and footsteps were coming near and Elsie was soized hy a pair of strong
arma juat as she was being drawn into the water. . You're a brave little girl,", said the man who carried her to the bank, while
another brought the baby. . "Someone at the door wishes to see
you, Elsie," said her mother to her the next mornins.
a
very
dirty, barcheaded, barefooted
 saying fowers which he offerred to Elsie, saying: You ain't stuck, up a mite, and $\mathrm{I}^{\prime} \mathrm{m}$ no end o sorry I said you was. You
laid night down on the dirty log with all


The Dollies' Drive. Last Sunday morntng I took out my
dollies,
They hadn't been well and they wanted

And reegry and Polly, an odd little
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

## Heart Trouble

The heart tself has no Dower no gelforntrol


 | This nerve it only one of the brancheo of thy |
| :--- | rrat sympathoth or or ystom in so closely allie



 URBrys. In Hoart, Kianey or stomach troubles. it in of
 erves to be her real cause of such troublee Se rembery as Dr. Shoop's Restorative-is the




 For the free book
Book 1 on Dispopsia.
not the

Dr. Shoop's
Restorative,


## CASH for FURS


 Hiu for our price ins and fur circurar , ven

REVILLON BROS., Ltd. 134 MOGILL STREET - MONTREAL



She came all the way down from wil tins, in Menacoino courty, to buy a wed
ding present and conessed to to sales
nan in the jewellery store that she was man in the jewellery store that she was
one of the bridesmaids, and was willing one of the bridesmaids, and was willing
to be set back as nuch as $\$ 8$ for the presstow, that's a prety thing, and use
fult. N she said, fartening her eyes one
 My M, isn't that a good deal for a
clock
o. That's a yery fine eight-day clock, madam.". ${ }^{1}$ gusss that's something new, isn
$\qquad$ without winding," sake: What will they
For the land's sake: be getting up next? Say, how to
will it run it you wind it? ?


SOVFMBER 23.1905





| POUHTRY |
| :--- |
| OEAGS OD |


 pany the order for any advertisement unde
this heading Partien having bood purebred
poultry and egge for sale will find plonty customers by using our advertising columne
No advertisement inserted for less than 90 cent

 nely barred. from a good laying strain. Stater
nction guaranted or money refunded. Herbe $\mathrm{B}^{\text {ARRED ROCK cockerels. }}$ Big blocky birds
heim, Ont.
fors' prices. M. C. Herner, Mann-





 Her SALE-Choice lot Barred Rock cockerels
Pethel, Ont.es. reasonable. Write A. S. Werden,



 W

## Canadian Poultry Grit



THE FARMER'S ADVOCATE.

Salaried Daughters.
 Mrered , nome very adeunate it we may
udfe from the census returns of the ndge from the census returns of the
rowth of cities.
How to Keep the and more important problem $\begin{aligned} & \text { nery similar } \\ & \text { now de }\end{aligned}$
 that a daughter should remain in her
fathers hause ourin that period of inn
defnite length that comes between the defnite ength that comes between the end of school life and the beginning of
mattimony is geenerally agreed
vetter protected is
there., physicilly and vettor protected there. physically and
norally, and her prents thei that they ave a right to her companionship, since
hey have, perhaps, deprived themselves fict for years while she was at school.
nd they must anticipate another and wore complete separation in the course of At the same time the feeling that leads
the young oman to leave the home to eek economic independence is a normal
nd creatitule one
Every adut, alle oadied and capable individual ought to
earm his or her own iviving and guch
a way ns to renlize it. No matter how asfoul as doughter is is in the homer , she
usually thinks, and often not without eeason, that her work is not appreciated at its full value. To ask a father ${ }^{\text {f }}$
money is as disagreable as to ask

 vill reeeive the same treatment whether
he is good-natured and helpul or disareate and lazy, and who hus an thical nature so stout as to resist such
demoroulizing infueno as this
At this period of her life, when she is At this period of her life, when she is
hoot enerofic and amitious, and most
cets work and responsilility, the young Woman is either not given anything of
mportance to do, or receives no pereific

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er talents into the profosional study of
Wat or music. not rimbe at the piang that cat inguerly
made more useful in other ways, and
made
mat she more useful in other ways, ation
ther git for acting
thout going on the stage, in making vithout going on the stage, in making
versell agreabile when ehe is feeling
If there is nothing for the daughter to
o in the home except to amuse herself,

resingly dificult oo find realy profitible thue kind sho degriles to make the diff

$\qquad$ Whop or factory. there is need of her
work in the home, and otten help hat io cases. the daughter should be siven ${ }^{\text {a }}$
regular salary, approximately the equiva-

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 contented and efficient, and each had a
feeling of independence and self-reliance
never to be attained under the .. allow-
ance ". system or the usual haphazard ap-
peal to father for money to gratify needs peal to father for money to gratify need
or whims.
Her earninks the swlaried daughter can
 lothes, and in gifts, charity and pleas-
If she puts part of it in the
lres.
avings bank, ns she should, she provides avings bank, ns she should, she provides
fer own dowry, just as many girls now a novel way to the goord old plan of
arimitive times. When no girl was eligible to marriage until she had a a hatching-
chest." full of linen and clothes of her
own spinning, weaving and sewing. In awn spinning, weaving and sewing. In
those days daughters were thus diven an
opportunity to parn their own dowry in apportunity to earn their own dowry in
the home, although they received no cash.
Whether the work of the salarifed daughter be as housekeeper, nurse or socinl
secretary, it is a better preparation for
married life than mos married life than most outside occupa-
tions. The plan does not in any way tions. The plan does not in any way
arbrogate filial affection or its implled
duties. Where a daughter stays at home from a sense of duty to her mother, the
approval of a good conscience and the approval reconnition of her value are not
verbal
always suffient to alleviate the fceling always sufficient to alleviate the freling
of dissatisfaction and unrest caused by her It is. after all, only a phase of the
generalal dificulty that parents, and
mothers especilly, have in knowing that
Mothers their children have grown up. Mothers
are apt to try to protong the Litule Lord
Fauntleroy period as far as possible, and they keep their daughters in short
dresses until they look like ostriches. It is a rare woman who can delerate re
sponsibility, even to hired help, and it is much harder for her to take her dauchter
into partnership than it is for a father


## Another Side of the Help Problem.

$\square$


n farmer's daukhter-and knowing little
of sewing or office work. I came wrst and went to work for a woman-I cannot
say a lady : and I can honestly and
truthely and truthfully say that she and others do not
deserve help. My pen fails to descrilie
my bedroom: it was dirty, end the bed my bedroom: it was dirty, and the bed
was an old mattress on top of a feer
boards. I tell you it made me sick. liu
poal ril say no more, AS AN IRRH GIRL
much.
This letter from Irish Girl certainly
$\qquad$
$\qquad$
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$\qquad$
uary human girl content him? However,
I'll keep my eyes open for the paragon, I'll kep my eyos open for the paragon,
for with all those good qualities and accomplishments he will assuredly be worth In Celebration of the Apple. Many and beautiful are our Canadian
fruits, but the apple is one of the best and most beautiful, and the apple or-
chard, in its time either of bloom or harvest, one of the loveliest of all rural
scenes. Little wonder that it has in all acenes. Little wonder that it has in al es inspired even the untaught rustic
fancies, folk-rhymes and proverbs. The heallhfulness of the apple is cele-
brated by many of them, and its probrated by many of them, and its pro-
ventive and curative propertiess are con-
trasted favorably with the powers of the physiclan :
Apple a day, keep the doctor awayApple at night, starve him outright-
Apple each meal, and one for sloep. him and shroud him and bury him deep 1
more graceful recommendation-oven ugh the nygiene of its last injunction
be questioned-is that addressed to may be
girls only

Maids who seek a rosy cheok
Maids who seek a rosy che
Orchard-way go faring.
Apoples ruddy, apples sloek Apples ruddy, apples sleok, Six a day seven days a week-
show nor stint nor sparing
Show nor stint nor sparing,
Pluck and eat, sour or sweot,
Seed and core and paring.
Many rhymes, most of which can be
raced to Dorsetshire, and are composed the Dorset dialect, relate to old cus-
toms observed at planting-or harvesttoms observed at planting-or harvest-
time. Sometimes the first mug of cider lrom the press was carried to the orchard and drunk to the health of the
oldest or finest tree, at the roots of odidest or hinest tree, at the roots of
which the lees were poured. One of the briefest and simplest of these curious healths fairly typines them all. The
Dorset farmer, it will be noted, dia not Dorset farmer, it will be noted, Hid not
transpose his $v^{\prime}$ 's and $w ' s$, in the fashion made familliar to ns by Sam Weller and with an f , he followed Mr. Weller's fainous injunction to " Spell it with a We, Saithful and vruitvul and vriendly and Yere's to the Apple, Lads, yere's to the Vriend o' the varmer, lade, ne'er may 'e
vall
Till turnips be rosy, lad, and cherries be ${ }_{\text {Huzzay, the }}$

[^0]PHE FARMER'S ADVOCATE

## \} JOINT AUCTION SALE

30 Scotch and Scotch-topped


At the Western Hotel Stables, GUELPH, ONT.

Wednesday, Dec. 13, 1905

(During winter Fair
The offering comprises such families as Village Blossoms, Mysies, Nonpareils, Brawith Buds, Cecilias, Bessies, Rosebuds, Minas, Clementinas, Clarets, Urys and others.
thos. Ingram, Guelph, Ont., Auctioneer.
A. EDWARD MEYER, Guelph, Ont., GEO. AMOS \& SON, Moffat, Ont.,

For catalogues address

ophthalmia, or partial blindness, is not
uncommon, is shea
at this
uncommon in sheop at this Beason.
Sometimes a scum covers the sight tor a
week or two and disappears without
treatmont, but it is unusual to And the
sheop fail so much as in this case. It
may be that some poisonous weed in the
pasture has been the cause. Wo would
advise changing their pasture, and wash
ing their eves with a solution or or
powderad borax in warm sost water dally

Miscellaneous.
athine shebp. my sheep are troubled with a disease months ago I noticed some of my lambs found them with sore eyes and discharg ing at the nostrils. They continued Pailing till they dwindled away to almost
nothing. Now I notice some of nothing. Now I notice some of my
breeding ewes are going the same way, breeding ewes are going the same way,
only some of them seem to be going blind. There appears to be a scum com-
ing over the ball of the eye, and their $\operatorname{ing}$ over the ball of the eye, and their
eye are also inflamed, running water eynd mattery substance. Can you tell me what the trouble is, and how to treat it ? Ans.-It is difficult to diagnose the disease from the description. Simple
ophthalmia, or partial blindness, is not uncommon in sheep at this season
Sometimes a scum covers the sight for woek or two and disappears without sheop fail so much as in this case. it advise changing their pasture, and wash powdered borax in warm soft water daily

## Nova Scotia Notes.

 In this section of the MaritimeProvinces we have had a remarkably mild and dry autumn. Cattle remained in
and
pastures untill Novemher 6th withour pastures until November 6th without any
discomfort, and nearly every day wa discomfort, and nearly every day wa
fine. As a consequence, farmers are well
along with their Ine. As a consequence, farmers are well
along with their fall plowing. Roots
are all gathered, and threwig are all gathered, and threshing practical-
ly all done. On Nov, 15 we had our firs ly all done. On Nov, 15 we had our first
cold snap, the mercury getting down near
zero, but as an inchy zoro, bnap, the mercury getting iown nerar two of snow had
fallen the night before, there is
fill fallen the night before, there is no frost
in the ground, and to-day we are having
a nice rain, so that we are hopin few more days for plowing and finishing up our fall work.
More rain would be gladly welcomed by stocknen, as the brooks are very low,
and springs and wells that went dry in
July have not started July have not started yet
Threshers resort Threshers report light yields of grain,
compared to the straw; the weather bein compared to the straw; the weather being
warm and dry when the grain was ripen
ing, the heads did no ever, some yields of wheat turned out 25
to 30 bushels per acre barley 50 bushels per acre.
Turnips did not have moisture enough
in Spte in September and October to grow large,
and are ahout two-thirds of an average
crop
 Beef rules high for this season of the
year, being 7c. to 8c., dressed weight.
Pork year, being 7c. to 8c., dressed weight.
Pork is in demand at 8c. Butter finds
ready buyers at 20 c . to 22 c. and chic ens, turkeys and geese are at Christmas
prices. Hay is moving some at 89 ,
Heser pressed, in car lots, or about the sam
delivered in town, in small lots Cumberland Co, N. Small lots loose.
$\begin{aligned} & \text { Nov. } 16,1905,\end{aligned}$
an exhibit on for montreal. An Ottawa despatch to the Mail and
Empire states that the Government is
vorable to vorable to annual exhibitions in Mont-
real, that Hon. Sydney Fisher has writ-
ten to the ten to the directors promising his assist-
ance to the enterprise, and Hon. Ray mond Prefontaine is endeavoring to have
the fair established. In the past, the exhibitions in that city did not, prove
financial successes. Montreal is now anx-
ious to compete. and hopes to rival the Ontario caties
Central Canada fairs. Mr. Robtrial and
Cicker
dive tike, M. P., is pressing Mr. Robt. micter with
the Government. Some Montreal men.
who were in express themselves as very anxious to
estaplish an annual

Shebep Exhibit at intiennational Owing to a change of dates of the InCago, arrangementsck have been made with
the mand The Management of that exhibition to
have the sheep shown have the sheep shown at the Winter Fair
at Guelph arrive at the Stock-yards (iuelph arrive at the Sinter- Faards,
hicago. on Sunday, December the 17th, Cud company states that the run from
Ciuclph to Chicago can te made in from hititors leaving. Guelph on Filiday after-
nown to get into Chicago on Saturday
now
ight, und allow exhinitors night, and athow exhinhitors on Saturday
show at both the Winter Fair at Guelph
and and at the International at Chicago.
The dates for the Guelph Show are Dec.
11 th to 15 th.
mence. The fudking will com-
$\qquad$
$\qquad$
$\qquad$
$\qquad$ fic poses than themselves to more a
thadruped sult
They can the mare effectively aped, and the contour of effectively in soit and rounded lines well adapted

 Wist inlyy whe wry difficult to portrny Importers of :1: HKMNEYS and CLYDESDALES


## THE FAMOUS Last Mountain Valley Lands <br> 75,000 <br> Ji pa rhe vis vh. sh.

Acres first-class land for sale Splendid railroad facilities.

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Shires, Percherons, Clydes,


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Mo fancy prices. and all del
anding staege.
Corre Station: Althorp Park, JOHN CHAMBERS \& SONS,

1ABSORBINE
 in any Bruise or hing, removing the
withot blistering
hatror laying norsenp. Pleasent
nito
nis


 Rosedale Stock Farm clyde ind ill shire


[^1]Glengarry School Days.



 for the first place. By the time the
fifth class was reached, the air was
heavy with the feeling of battle. In heavy with the feeling of battle. In
deed, it was amazing to note how
the master had succeeded in arousing the master had succeeded in, arousing
in the whole school an intensz spirit Aird up to Thomas Finch, the pupits Aird up to Thomas Finch, the
carried the hearts of soldiers.
Through fractions, the "Rule of
Three," percentages and stociss, the
senior class sswept with a trail of
glory. In vain old Peter MacRae
glory. $\left.\begin{array}{l}\text { In vain old Peter MacRa } \\ \text { strewed their path with his fav }\end{array}\right)$
strewed their path with his ?av-
orite posers. The brilliant achieve
ments of the class seemed to ore posers. The class seemed to
ments of to
sink him deeper and deeper in sink the gloom of discontent, while
the master, the minister and his wife,
as well as the visitors, could not
conceal their delight.
conceal their delight. As a last re-
sort the old dominie sought to stem
sort the old dominie sought o stem
their victorious career with his fa-
mous problem in Practice, and to his
mous problem in Practice, and to his
huge enjoyynent, one after another of
the class had to acknowledge defeat.
the class had to acknowledge defeat.
The truth was, the master had passed
he truth was. the master had passe
lightly over his rule in the arith-
nutic, considering the solution of
nectic, considering the solution of
problems by the method of Practice as a little antiquated, and hardly worthy of much study. The failure
of the class, however, brought the of the class, however, brought the
dominie his hour of triumph, and so dominie his hour of triumph, and so examination that the master was
abundantly willing that he should

## enj

Then followed the judging of the
cony-books. The best and cleanest copy-books. The best and cleanest
book in each class was given the book in each class was given the
proud distinction of a testimonial proud distinction or a tastimonal
written upon the first blank page, Written upon the
with the date of the examination and
the simatures of the examiners atthe signatures of the examiners at-
tached It was afterwards borne tached It was afterwards borne
home in triumph by the happy owner, to be stored among The family archives, and perhaps among tha sacred
things that mothers keep in their things that mothers of holies.
holy
After the copy-books had been culy After the coppy-books had been culy
appraised, there followed an hour in which the excitement of the day
reached its highest mark. The whole reached its highest mark. visitors as
school, with such of the
could be persuaded to join, were could be persuaded to join, were
ranged in opposing ranks in the deadly conflict of a spelling-match. The
master, the teacher from the Sixmaster, the teacher from the wix-
teenth, and even the ministar's wife,
yielded to the tremendous pressure of yielded to the tremendous pressure of
public demand that they should enter public demand that they should enter
the fray. The contest had a most
dramatic finish, and it was felt that the fray.
dramatic finish, and it was felt that
the extreme possibility of enthusiasm the extreme possibility of enthusiasm
and excitement was reached when the and excitement was reached when
minister's wife spelled down the minister's wife spelied
teacher from the Sixteenth, who,
everyone knew, was the champion speller of all the country that lay
toward the Front. and had a special toward the Front and had a special
private armory of deadly missiles laid up against just such a conflict
The tumultuous
triumph as this. The tumultuous triumph
of the children was not to be conof the children was not to be con-
trolled. Again and again they foltrolled Again and again they fol-
lowed Hughie in wild yells. not only because his mother was a great fav-
orite with them all. but because she orite with them all. hut because she
had wrested a victory from the had wrested a victory from the
champion of the Front for the Front, in all matters pertaining to culture in all matters pertaining to culture
and fashion. thought itsilf quite su-

Horse Owners Use Caustic
Cow Balsam
The Repository BURNS \& BMEPPARD, Prope.


Auotton seles of

Speolal Seles of Thoroughbred Btook conducted.
Consignmé́sua noliditied. Corroupondence
This is the beat market in Ounde for olthor
buyer or eoller. Nearly two kundred horvies nold
Clyd impontidio
3tallions and FIIITes,
Also Maokney stallione for nate
adain DAWEON, Oannintiton, Ont. Thos. MERCER, , am Martidall, Onti

$\qquad$
Androw Carnegrie telle this an one of his oxperloncen at Ekilbo Oatlo. Soon aftor
he had bought skibo there was on he had bought slatibo there was a mon-
agertio oxhibitited in the neighborhood, one agerie oxhibited in the netghorthood, one
of the main attraotione of whit was the
orang-outang. One inght the orang-out-orang-outang. One night the orrang-out-
ang got out, fell over the clife, and ang got out, fell over the eliff, and was
killed. In the morning two of the koop-
ar are came acrose the body of the dond
orang-outang. One of them acratehed
his head and gald: "Hi atn"t his head and sald:" "He aln't no "i Ho ain't no Lowlander : thay aln't got that much halr on "em." After a whill
one of them proposed to the other as fole lows: "I'll go up to the klikk and see negie and see if any of his American vio

## no DOUBT. ABOUT

 ROBT, BONO'S CISEHo was Cured of Bright's Digease by Dodd's Kidney Pills.

Dootors asid Thore was Ho Hope for
Him, but he te a wall lian Now. Moun, br (Special). -That Dodd's Kldney Pills cure Bright's Disease completely and permanently has been clearly shown in the case of Mr. Robt. Bond, a, well-known
resident of this place. Mr. Bond doe not hesilate to say he owes his ufe to Dodd's Kidney Pille.
""My attending physician," Mr. Bond Bright's Disease, and that there was no hope for me. I then commenced to use
Dodd's Kidney Pille and no Dodd's Kidney Pills and no other remedy.
I used in all about twenty boxes when my doctor pronounced me quite well. have had no return of the trouble since."
Bright's Disease is Kidney Bright's Disease is Klineey Diseane ince its
worst form. Dodd's Kidney Pulle worst form. Dodd's Kidney Pills always
cure it. They also easily cure milder

Hon. Joseph H. Choate tels a story of
W. S. Gibert, the dramatist and wit.
Mr. Gilibert was lunching at a country of good luck.". ". And so it is," replier first on your horse. A telegram from Mr. Arthiur Johnston, cate : to claim January 19th, 1906, as the date for an auction sale for the dispersion of the herd of Shorthorn
cattio and other farm stock belonging to cattio and other farm stock belonging to
his son, Mr. Robert Johnston, of Pickering, Ont., near Pickering Station, G.T.R.
FORTHCOMING STOCK sales. Dec. 13th.-A. Edward Meyer and Geo
Ammos \& Son, at Guelph, Shorthorns Jan. 10.-W. C. Edwards \& Do., RockIand, Ont., Storthorns.

A few years ago a contractor undertuok A lew years ago a contractor undertook
to widen a railway in Yorkshire and while the men were at work one day a
serious landslide occurred. There was serious landslide occurred. There wa much confusion, and the cry went up.
"Count the men."'
" Never mind. the men," cried the thritty contractor, "/ Count the wheel barro

An old lady and her two daughters went into a millinery store. The young
women wore morning hats. The elder women wore morning hats. The elde
woman said to the clerk: "I want
mourning hat, for mourning hat, for I am in muourning.
But my darter here," pointing to one of But my darter here," pointing to one of
her companions,
is
yo wider of two ycars' standing, and she is in light dis
tress. Give, her a hat with blue feathers on it."
It was at the railway station and she
was trylng to buy half tickets for two children. How old are they .. seller.
.. Only eleven."
.. Both of them
.. Thin
.. They're twins," them a moment and then remarked : eyed
iA Pretty children. Where were they "Pretty children. Where were they
born? " This one in New York," answered the
". proud mother, "and the other one in pondon."
Former Congressman H. St. George Tucker, of Virginia, according to the
Buffalo Commercial, tells a story of Virginian who had been indulging to
freely in the flowing bowl, and who had become overconfident of his own had ness. Looking around at his companions, the Virgintan boasted, "Gentlemen,
I can lick any man in Richmond." Nocon lick any man in Richmond." No-
body took up the chaillenge, and the Virginian returned to the charge. "Gen-
tlemen," he said, "I can lick any man tlemen," he said, "I can lick any man
in the whole State of Virginia." The words were hardly uttered, the narrator
said, before a tall, leann, sinewy man from the western part of the State gave the boaster a thrust that sent him sprawling
on the floor. I, ike Owen Wiser's name on the noor. Like Owen Wiser's name-
less hero, this Virginian had a sense of
liumor, anll as hie ficked himself up, he
 kivered too much ter. itury." New York is laughing over how in
artist got even with a prominemt mill lionaire, who, having sat for a crayon
drawing of himself, was so dissalisties
with the result It does not thear the shighitist insen blance
take
to no
 can 't it reasonably

## cent pair the gaze

not lon
in a towerin
threats gavaled
offered to buy
" It was
to recognize
ture at first,
ure at first," sesemblanc
o be revenged for the slight pui
work. "But I knew you would nu lub when he found himself surrounded by six or seven clergymen, who had been on Pretty soon the author of the "Mikado", was drawn into conversation. When his identity was known, one of the clergymen asked Mr. Gilbert how he felt "in such grave and reverend company,"
Like a lion in a den of Daniels," was
he reply
The new Squire's wife-And do you enjoy good health generally.
Cottager-Ay, mum, I be wonderfully Cottager-Ay, mum, I be wonderfully
'ealthy ; never 'ad a doctor an' never 'ad ealthy; never 'ad a doctor an' never 'ad
but one day's illness in $m$ ' life. $A n$ n' it's resolution wot does it. Now there's
bloaters; them things I be partic'ler fond bloaters; them things I be partic'ler fond
of, but I 'ardly ever eats 'em. When I of, but I 'ardly ever eats 'em. When I
was up along o 'Cap'n Bangs out 'ere at Wus up along o Cap'n Bangs out 'ere at
Muddybank abuildin' 'is 'ouse, that's when $I$ ate a bloater fur dinner, an' if
you b'lieves me 1 didn't eat nowt till you b'lieves me 1 didn't eat nowt till
supper the next night. It didn't agree apper the next night." It didn t agree
some'ow, an' it wor," with great em-
ohasis, ${ }^{\text {an }}$ years afore I ate another, an phasis, :. years afore I ate another, an' Dumas pere, Who was proud of the
prices he received for his work prices he received for his work, was once
buasting of the fact. am "heyond a doubt," he remarked, Ireceive thirty sous a line." "Indeed, monsieur?" "said a bystander,
I bave never worked for less the 1 bave never worked for less than
5,000 pounds a line. What do you think
of that? of "Yat? "Youre johing," responded Dumas, in irritation.
". Not at all."
For what do you receive such rates " For what do you receive such rates
rer line? ".
". For constructing railways," was the answer. constructing railways," was the The ship was sinking in mid-ocean, and
the women on board all clung to a genThe women on board all clung to a gen-
theman of clerical exterior and cried : "Oh, sir, do pray for us!"
" I am sorry, ladies," the man replied "but I am not a parson."
". Oh, then, sir, do please let us sing a "Oh, then, sir, do please let us sing a
hymn."
I am very sorry, ladies, but I am not even a choirnasaster,', ladies, but I am not
" Then who are you?" asked every voice. I am only a churchwarden," replien the demure looking man.
cried, "for the ship is sinking and some a prizewinning turkey -a con petition of special interest to farmers en gaged in poultry-raising is repurted by
the Carnefac Stock Food Co. It commenced in May last, when this company
wrote the secretaries of several faid boards stating that ocretaries of several falr
three specinl would offer three special prizes, to be competed f
at the fuirs jointly, for the heavied turkey of this year's hatch, weighed
the fairs, the weight to be reit certified by the secretary, The prizes turkeys, pair of Plymmouth Rock of Bronze
and phens, and Dair of Leghorn chickens. Prize
birds. to 1, selected and purchased by
Prof. (iraham, of the Ontario Agricule plenty of exceptionally heavy birds wet IIand
the
wen
wen

$\stackrel{\text { th }}{n}$

" 4 $\because$
$\qquad$

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 Shire, Percheron and Hackney Stallions IN AMERICA.Our record at the last four International Exhibitions, and at the World's Fair,
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Louis, viz.: $\$ \mathbf{2}, \mathbf{8 7 1}$ in cash, $\$ \mathbf{6 0 0}$ in gold medals, and $\overline{\mathbf{5}}$ diplomas. We will sell you a Draft or Coach Stallion of first-class quality for less
money than you can buy anywhere in Canada. The dealers' profit that money than you can buy anywhere in Canada. The dealers' profit that
othem Importers pay In Ensfand is aft saved Dy us, and this in
itself is a good profit to us. Intending purchasers should call at our new Sale Stables Other impomters pay in Engtand is alf saved by us, and this in
ittelf is agood profito us. Intending purchasers should call at our new Sale Stables
at the Western Hotel, see our horses, and get our prices before buying elsewhere. at the Western Hotel, see our horses, and get our prices before buying elseewhere.
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desired. Large importations arrived April 9th. July 8th and Sept, 4th, and another desired. Large in portations arrived Aprii nth,
due Nov. 3rd. If first-class stallion is needed in your vicinity, please write us. Write for new catalogue R.
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and Hackneys
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ONTARIO'S LARGEST AND FINEST HERD OF 5 HEREFORDS.--We sell our
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months old, all from from inported sire
orizewinning stock at and dams. prizewinning stock
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FOREST VIEW FARM HEREFORDS Four bulls from 8 to 12 month old. prizew
ners and from prizewinning stock.
several heif




Int calves and one yearling heifer that won frrs
it year at Toronto, London and Guelph; als
ald
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ARTHUY JOHISTON
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2 exoellent yearling bulls, home-bred. 17 first-olass bull oalves.
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shropithorsind

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9 heifers, yearlinge
29 heifers, calvon.
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All out of imported sires and dams.
Prioes eary. Oatalogue.
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A. W. Smith, Maple Lodge, Ont. T. DOUQLAS ©ONB, shorthonis an' ELYOESDites
 Now PIne Grove Stook Farm HIEh-olase Breederon 'shorthowne. Choice Shropshire Sheep, Oly
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Seoond annuad male of Shorthorns ath. furm, on c. W. Wilson, supt. Rooktand, Ont. JOHN GARDHOUSE \& sons, Highifild P.O., Ont.
 A good selection of young stook of both peree
always hand for sale. sootish Prinece (imp).
Vol

Scotch Shorthorns

Ei. Roolisan. Marian sta, me P. o.
Advartise in tho Adroceto


Shorthorns for

 h. k. Fairbairn, $\qquad$ CHAS. RANKIM, Wyobridge, Ont SHORTHORN Importar and Breder of and OXFORD DOWN SHEEP For sump-remaliee of soctiland (imp). Shorthorns, Cotswolds, Berkshires
 SHORTHORNS FOR SALE




WM. Modir Mort, ROWAN HILL STOCK FARM

SHORTHORNS $\substack{\text { Prarengill } \\ \text { Trason of } \\ \text { trion } \\ \text { ion invited }}$
A. DUNCAN A Sone. Ciden or iusy MAPLE GROVE STOCK FARM sootoh and
sootoh-Topped SHORTHORNj̄

 maple leaf stock faik 4 Oholoo Youns Bulle Por sale
 SHORTHORNS FOR SAL

Hukh Thomson. Box 556. St. Mar SHORTHORNS, LINCOLNS \& OXFORD DOWNS Aords headed by imp Royal Prine Aix



GOSSIP.
seances. I saw him yesterday. Ho has
aready become an entivisustic



wife honored those miserablo seances
enough to come and kiss you in her own
person ?

session of the medium's person, ${ }^{\text {a }}$,
kissed and embraced me through her,"
Senator Crane tells this one: Farmer
Dockridge was hastily
denatikend of in thitht by Alf the hired min whe
n was on one. In
dfold the horses and
hurriedly
hed into the summer
driver and ra

succeded ing get ting the



line to be sen at Elm Plirks in the Angu
The lyydrsales owned here are by some


Tenarkhble records whenever mad

Park farme wan sume grand stock, ,

Che visions of God and heaven and truth
and wonderful spiritual life are not re zerved to the performers of groat deeds, but the common people, who will never
get their names in prtat or be heard of outside of their own narrow circles of of
friends, may also seo visions of ocd Iriends, may also see visions of God and
heaven and truth. $\quad$ The path loading to heaven and truth. Me parh loading to
he very greatest and most wonderful revelations of God always leads a part
of the way along the commonyllace in of the way along the commonylace in
life, and thasmuch as but a fow persons In any one generation ever fiecome dis-
tinguished, it may be fustly crucluded
it that God has particularily intended
bless the commonplace life that he Less the commonplace life Lat he he may
make his very best blessings roach the
greatest number.? William e tory of the ro all, the in inititative Lerendum in Los Angeles.
Los Angeles is is an enterprising city. it has all of these go-called socicalistic de-
vices, and yet money is fully Invested vices, and yet money is fully invested
there, the poople are prosperous and the city is conservative
The recall works like this: If an alder-
man votes against what the peoole think man votes against what the people think
is right. 25 per cent. of the voters can is right, 25 per cent. of the voters can
compel him tor rexign and stand belore all
the the poople tor reeolection.
This is a plan by which


If voters cannot keep the rascals from getting in the "recall" at least gives
them a chance to turn the rascals out.




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|  |

## GREEENGHLE HERED

 SHORTTHORNS Woro now poring tor nal th thul R. WITCHELL Nelison R. Mitche Ont., Burling sons, Junc. sta. Scotch Shorthorns SHROPSHIRE SHEEP.

## yearling bulls.

 hires and dams
hierfors under 3 years old.
breeding ewes, 20 ewe lam

W. G. PETTIT \& SONS, Freeman, Ont Burlington Jct. Sta.
phone in hong-distance tele1884 + HILLHURST FARM +1805 SHORTHORN CATTLE

 JAS. A. COCHRANE, o Compton, P. Q HILLYIEXV STOCKFARM SHORTHORNS, $\begin{gathered}\text { CLYDESDALES } \\ \text { COTSWOLDS }\end{gathered}$ Present offerings: Choice young bulls and
ieifers. Also a few good young cows Ipply to JOHN E. DISNEY \& SON,


## SHORTHORN BULL

GOLDEN ABEL (imp.)
by Golden Fame 76788,
Golden Abel has headed my herd for three vears, and is sure and active, and as a sire,
the 20-odd youngsters in my stable will the 20 -odd
vouch for tha
R. J. DOYLE, Owen?Sound. Ont
R. A. \& J. A. WATT $\begin{array}{cc}\text { Salem P.O. } & \text { Elora Station. } \\ \text { Celephone in house. } \\ \text { C. P. R. and }\end{array}$ SHORTHORNS and corresponaence invited. 0 Shorthorns and Leicesters $\begin{gathered}-\mathrm{Presen} \\ \text { offering }\end{gathered}$
 ling and two-shear ewes, and this season's cro
of lambs at reasonable prices. Address : Caledonia station. AOUGLAS, tiver View Stock Farm-Present offering: Shorthorn Bulls; ready for service, of excel
lent breeding; price extremely low considering "uality. For particulars, write to

CEDAR YALE SCOTCH SHORTHORN Present offering: A few Scotch-bred heifers,
sired by Scott's Choice $=43670=$. For particuPars write to $\begin{aligned} & \text { OHN SCOTT, Dumblane P.O. } \\ & \text { Port Elgin station and }\end{aligned}$ SCOTCH SHORTHORNS FOR SALE

 MAPLE
STOCK FARL
Of
SCOTCH SHORTHORNS
 Box 426. WM. R. ELLIOTT \& SONS, Guelph, On! Shorthorns ${ }^{-\frac{\text { Willl sell or exchange }}{\text { Kinellar stamp, mi }} \text {, }}$


 JOHN McGALLUM, Springhank Stock Farm,
M. C R. and P. M. R. Box 1 I. Iona Statlon.
 JAMES SNELL, - Clinton, Ont



Suffered Terrible Agony FROM PAIN ACROSS HIS KIDNEYS. DOAN'S KIDNEY PILLS OURED HIM.

Roed the words of prater, Mr. Y. A. Woimme
 Pills. (He writes us): "For the past thros your I have suffered terrible agony from pain acring
my kidneys. I was so bad I could not atoo or bend. I oonsulted and had several dootore treat mo. but could get no rolief. On the advioe of a friend, I procurod a box or your viluable:
lifo-siving remedy (Donn's Kidney Pulle), and to my surprise and dolight, I immediately soi better. In my opinion Doan's KIdney Pilla
no equal for any form of lidney troubla, no equan for any form or kidney troubla, bor or
Doan's Kidney Pills are 50 centa per threo boxas for 81.25 . Can be prooured at all dealera or will be millod dirsot on reoelipt of
prioe by The Doen Kidney Pill Con, Toronto.
prioe
Ont.
Do
n
sure and get "Doan"h" (puriour mubstituto but bo
Queenston Halghts Storthorns
Choice yearling heifers,
Straldht Sooteh.
wo bull oalves at easy prices. HUDSON USHER, Queenstom, Ont

 fixdizux Sunny Sunnyside Stock Farm hooth. Impi th JAMESE atim, Erookalale P.O. and TOI, BONNIE BURN BTOCK FARM

 Amonatacemom Shorthom C Cow xumety

 RIVERSIDE HOLSTBINS

 , woodbine holateine



 Aro. OPR: Pethe.o.t.


 nimbenial stoon ranm nolitim

 "almarachy" holstzans




 o.w. hoosatreom, vanintoolk nll, ont.
 :
Lyndale Holsteins BROWNBKOB,

## 1672


hOLSTEIN BULL

Piebe De Kol，＂，whose dam and sirves dae dat dien



 erest to enquire before buying e
AIIIMINDLE HOLSTEII Herd are the treatest of the breed individu－




 HOLSTEINS and TAMWORTHS

 Watorloo ©o．C．HALLMAN Broslau，Ont． BARREN COW CURE makes any animal under 10 years old breed，or
reftund money．
Given in forticulara from Partiecular F．from SLLECK．Morrisburs，Ont．
AYRSHIRE CATTLE
 qualities．Sele
at reabonale
and prices writ
HIllulow A．KENNEDY \＆SON，
SHANNON BANK STOCK FARM ON AYFSHIRES AND YORKBHIRES

AYRSTITES FROM A PRIZF WINNING HFRD
 Spriaghrook Ayrshires are heavy milkers and M January iast ：also funiles or all abe P．o．Box 101．。 F．STEPHENA Hunting ion，Que Droanourmicto Framin
 R．Re FOILK，Prop．，Carlet AYRSHIRES $\begin{gathered}\text { Choice stock of either } \text { see，dif } \\ \text { ferent ages，for sale．} \\ \text { Prices }\end{gathered}$


THE FARMERS ADVOCATE
 There were 14，218 cattle shipped for ex－
port during the pasit week from American and Canadian ports．Of this number all were American but 3，736 head that wer
vent out from Montreal．The market abroad have reen in a little better shape this week．The situation from the ex porters＇account is more encouraging
than it has been for some time． Eastern States mutton markets were badly glutter with dead meat and also
live stuff last week．Buffalo had 110 live stuff last week．Buffalo had 11
carloads one day and paid only $\$ 7.10$ for choice lambs，while Chicago was giving $\$ 7.25$ ．
Our English exchanges announce
death．on October 29th，of．Mr．Peter
Stubbs，of Blaisdon Hall，Gloucester－
shire，at the age of 75 years．Mr． Stubbs，of Blaisdon Hall，Gloucester－
shire，at the age of 75 years．Mr
Stre， Stubs
breeder of high－class Shire horses，the Blaisdon stud having produced winners
at the leading shows in Great Britain at the leading shows in Great Britain；
and for his best horss，Blaisdon Con－
auer queror，a London champion，which died
qast year．he had refused $£ 3,000$ ，or queror，a
last year，
$\$ 15,000$.


What promises to be the greatest Gal Woway sale ever held in Britain or A mer
ca in recent years will occur on De 22nd at Chicago during the week of She International Live－stock Exposition．
The following breeders have contribute from their show herds：Brookside Farm Company，Fort Wayne，Ind．：F．W．M
Brown \＆Son，Carrollton，Mo．；C．
Crent Clarke，St．Cloud，Minn．；G．W．Lindsey
Red Cloud，Neb．；O．H．Swigart，Whit
Heath．IIl．Morion Perr Red Choudi，Neb．；©．H．Swigart，whte
Heath．III：Marion Parr，Harristown
III．：A．F．Craymer，Morris，III．；Michi－ Ill．：A．F．Craymer，Morris，Ill．：Michi－
gan Premium Stock Company，Davisburg
Mich．T．M．Moody Atlanta，Mo The railways have named low rates for
the 1905 International Live－stock Ex $\begin{array}{lll}\text { the } 1905 \text { International } & \text { Live－stock Ex－} \\ \text { position at Chicago，} & \text { Dec．} 16 \text { th－23rd } \\ \text { The lines of the Central } \\ \text { Passencer Asso }\end{array}$ ciation grant a one－arere plus $\$ 1$ rate
selling Dec．16， 17,18 and 19，from n selling Dec． $16,17,18$ and 19 ，from n
territory in their associations，Buffil west，except where fare and one－third
less；return limit December 24 th．The
Eastern Canadian Pecsenger Associatio lines grant rate of ．．one－fare plus one
from all stations in their territory west Of Kingston，Sharbot Lake，Buffalo，Blac
Rock，Suspension Bridge and Niagar Falls．Do not wait until the last mo
ment to see that your railway agent．＂n
derstands these rates．＂Do it now．＂ Messrs．Lloyd－Jones Bros，of Burford
Ont．，importers and breeders of reporstar Ont．，importers and breeders of registere
Shropshire sheep，send us a list of recen
sales of show and breeding stock to long for publication，but covering a very
wide territory in canada and in the U
S．from Ohio to Minnesota，in lots o POLITENESS OF IRISH PEASANTRY． $\begin{aligned} & \text { one to ten，and to prominent breeders }\end{aligned}$
A frlend sends me the following delight－and exhisitors in whose hands they have
ful bit，cut from some paper：＂It is well $\begin{aligned} & \text { been successful in pirievinning }\end{aligned}$
They flul bit，cut from some paper：＂It is well
known that the Irish known that the Irish peasant（no doubt
from a sense of politeness）will seldom
disagree with a tourist，but 11 kea disagree with a tourist，but likes to
rive an answer which he thinke will be agreeable to the questioner．Last sum－
mer a gentleman from Liverpool．while
out for a sall on Carlingford Louch，was out for a sall on Carlingford Lough，was
raught in a gale．Knowing the danger
Pat made for the shore Pat made for the shore．＇Why are you
going in？sald the visitor：there＇s not going in ？＂said the visitor；there＇s no
much wind．＇＇No，＇replied the boatman buch，sure，what there ite is av it is mighty
bowerful．＇An angler telle
pow whe quest of fish，he aked a amall，bare
legged boy if there were any abh a certain river．There is，your honor． What sort of ash ？＇There do be trout and eels，yer honor．＇Any salmon？
There do be an odd one． ，Any ther－ ＇There do be an odd one．Any ther－
mometers ？Them does be there，to
yer honor ：but they comes up lather in


## OGILVIE＇S Ayrshires <br> As quite a number of the cows our auction sale of young stock in March last，we are now able to offer for sale $\mathbf{C A L V E S}$ ，of  Apply <br> ROBERT HUNTER，Manager Lechine Rapids，Que

aple Cliff Dairy and stook Farm Breeders of Clyderdale Horses，Kyrshire．
 PORTER＇S GOLD \＆SILVER FAWN

St．Lambert Jersey Herd
I have a number of bulls，cows and heifers for
sale．Noter blood No better cream－pro．
T．＇PORTER，－Carleton West，Ont．

Brampton Jersey Herd－we have now for im－ tombert or imported stock；also females of
 Highgrove Jersey Herd is Our present offering

Shropshiine Cotswold Sheep
SCOTCH SHORTHORNS and CLYDESDALES
 Choice ram and ewe lambs．Also
50 shearling ewes for sale．Apply

## JOHN BRIGHT，

Myntle Station，Ontario FAIRVIEW SHROPSHIRES I now offer：
is shearling ewes，bred to St．Louis Champion
raml choice rams．

 Farnham Oxford Downs

 ling ewes．and
ewe lambs． HENRY MRKELL a son

## SOUTHDOWNS


$00 工 \boldsymbol{1}$ 以上
At stud，imported Wishaw Hero，810．Puppies
out of dam of frrst and sweepstakes New York． ROBERT MOEWEN，ByMon．Ontarlo． DORSET HORN SHEEP and
SCOTCH SHORTHORNS

SCOTCH SHORTHORNS
The latter representing the Nonpareil，Miss
Ramsdin，Mispien and Gloster families oxcluive
R．and the former comprising more Rovalwin． y．and the former comprising more Royal win
hers and morest．Louil prize in orer than win
ther tolock in the world．Stock for sale always
on hand． North Toronto．MoGILLIVRAY óntario BROAD LEA OXFORDS
 fimproved bacon type
A narred Plymouth Rock
Ackerels at re reasonabe inale prices． A number of nice Barred Plymot
Ackerels at reasonable prices．
Correspondence promptly answered．

| R．R．Stations： |  |
| :--- | :--- |
| fidmat，G．T．R． | W．H．ARKELL | SHROPSHIRE RAMS \＆EWES Buff Rock and White Wyandotte Fowls W．GOSNELLL \＆SON，RIdgetown，ont．



SHROPSHIRE RAMS AND EWES

 Robert mle inf, stoumvile, ont.



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 We have onty afor moro ovo and ram F. H. NEIL \& SONS, LUCAN, ONT Sheep Breeders' Associations.
American Shropshire Registry Association, the
largest live-stock organization in the world.
 01. Shropshires \& Cotswolds JU

 ewesare rach.
to imp ram.
ohn Miller, Brougham, Ont. LHICHETHER




 dshe Bowmanville, -Ontario
 E. F. PARK, Burteseville, ont. Hampelnire Dowye rom imp a stow. Correspondence invited. SHROPSHIRES


 Ohem pion alo owe Mapleview Farm. HARD Thorndale, ont SHROPSHIRES
 Oxforch Down eheep




Dbstimate Gouchs and Colios.
The Kind That Stick.
The Kind That Turn To BRONCHITIS.
The Kind That End In CONSUMPTION.
Do not give a oold the ehanoe to nettlo or
our lungs, but on the frat sign of it go to your

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## Pine Syrup.




 huobend and to ohilianom in in wondeful
 tressing oough. Wo."
of it in the hovee.
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Cables-sheopoote, London.

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sale, and a nice lot lof ram lambs.
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Lincoln Ewes
Bred to Imported Ram
Also a few prizewinning yearling
rams for sale. In Shorthorms, Scotch Cowe \& Helfore. J. T. arseon, Denfild, Ont. Oxford Down gheop, ghor
 , itumililitiontitim



 NEWCASTLE HERD OF Tamworth Swine and Shorthorn Cattle


 COLWILL BROB., Nowoaotle, Ontarle. TAMWORTH8 \& HOLSTEINS

 FAMKYORTME
 $\frac{\text { ing stock. Prices reaconable. }}{\text { Glenairn Farm. }}$
 Berkshires.
Having
purchased


DOUGLAS THOMSON, woodstock, Ont.

QUESTIONS AND ANSWTERS. Miscellaneous

WATER PIPES THROVGH FIRE-BED OF A Is there a satisfactory system of heat-
ing a house by means of water pipes passing through the fire-bed of a coal passing through the fre-bed of a coal
cooking range ? I have heard of it being used, and would like very much to know
more of it. Can such a system be put more of it. Can such a system be put
in so as to heat a dwelling ? Ans Ans. -The alove plan has been tried
but found unsatisfactory, as the .. wate front " is inadequate to supply heat for
more than a very small room berry bushes.
I have a number of currants (red and
black), also different kinds of berries,
which I wish to remove hlack), also diferent kinds of berries,
which wish to remove. When would be
the best time to do it. the best time to do it, now or in spring?
Some of the bushes are rather old. Would you advise dividing them or getAns. - Tear them out any time now
vilien the ground is not fro en, pile them and burn at the first fro epportunity. We would advise setting a new planta.
ion, preferably on fresh ground.
litbrature on raising chickens. Where can I get some good literature
in the best way of raising chickens?
F. W. B. Ans. - In addition to what you find in
the "Farmer's Advo ply to the Poultry Department of the On-
tario Agricultural College. Guelph, and to he Experimental Farm Ottawa, for their publications covering this subject. An
excellent illustrated work on the subject
is Artificial Incubating and Brooding. which may be obtaing and trough this,
med
office for 50 cents. An excellent general
vork Nork on poultry is Poultry Craft, by
Tohn H. Robinson, price $\$ 2$, through this
office
mustard and wild oats.

$$
\begin{aligned}
& \text { MUSTARD AND WILD OATS. } \\
& \text { Is there any method of cleaning a } \\
& \text { neavy clay farm of wild mustard or }
\end{aligned}
$$ uthie-bred

Bertha 5 (imp.), by the
Count Sunshine.
He is a rich red, and one of exceptionally good
quality, a very thick, even bull, and high-class sire. One of the Kilblean Beauty cows is Scotch Thistle (imp.), a
Marr-bred cow sired by Prince Cruite Marr-bred cow, sired by Prince Cruick-
hank, dam Scotch, by Merry Mason, Shank, dam Scotch, by Merry
grandam Thachstone Beauty, by Touch-
stone. The makeup of this cow is well stone. The make-up of thise cow is well
nigh perfection, as is also a daughter of nigh perfection, as is also a daughter of
hers now breeding in the herd. There is also a thirteen-months-old son of hers, a roan, sired by Imp. Scottish Prince, a
rare good one, fit to head any herd. Then there is a yearling buf and a darh, and got by Gold Mine, that are hallbrothers to the first-prize two-year-old
bull at the Dominion Exhibition, New
Westminster, B. C the making of chow bulls, and should
prove ideal sires. Another yonrline prove ideat sires. Another yearling roan
bull is out of Rose of Peel $=29770=$, and got by out of Rose of Peel $=29770=$, and
got by Scotish Lad $=40956=$, a son of
Imp. Scotland's Fame This another Imp. Scotland's Fame. This is another
thick, fleshy bull. In fact the abow mentloned bulls are ns nice a lot as we
have seen for many a day. and from their rich breeding should prove useful sires,
In heifera there are several : one $\AA$ red two-year-old, the other a red one-year-
old, both out of Tyrone Rose 49548, the elder got by McKay 4th, the other by
Mina Champion, that are of the thi.k. heavy-fleshed, low-down, ideal type: in
fact a pair of extra good ones. Then there is a yearling roan heifer. got by and a white, ten-months-old heiler,
Bold BrIton $=20397=$, dam Indian Tad 2nd $=36371=$. As intimated nbove. Mry
Gardner's offe Ings, which include. bulls and heifers, are all of a very th sirable sort, and are likely to be stoun
picked up, hence the necessity of auil picked up, hence the necessity of quic
action if you want them. His post ofil T. R., or Streetsville, C. P. R., neithe more than five miles distu

Macdonald Maic
worth the living ?
o. A. C. Review.



## Yorkshires <br> 

Im. J. DAVIS,
Importer \& Breeder of Shorthorns \& Yorkshire
C. P. BNEIGROVE BERKSHIRES

 Sakell \& LYons, Bnolerove, ont:


 LARGE RONODAnk Mord of

 YORKSHIRES AND LEICESTERS
 c. \& J. CARRUTHERS, Cobours, Ont POLAND-CHINAS Two liters \&arrowed Oct

 JOHN RACEY, Jr., Lennoxville, Que CHESTER WHITES



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| hed to show what it has done. We | proved, again and again, if the most |  |
| ofer that each sick one should learn its wer by a test. That is the quickest | dificult germ diseases. Then we offered to supply the first bottle free in every |  |
| to convince you. | disease that required it. And over on | . |
|  | million dollars have been sp | u |
| it to you to try. Compare it with | nounce and fulfil this offer. | tried it, please send us this coupon. We |
| mon remedies ; see how much more | The result is that $11,000,000$ bottles | will then mall you an order on a local |
| does. Don't cling to the old | have been used, mostly in the past two | druggist for a tull-size bottle, and uth |
| nte blindly. The scores of diseases | years. To-day there are countless cured |  |
| ich are due to germs call for a gern | ones, scattered everywhere, to tell whe | is our tree gitt, made to convince you: |
| de. Plense learn what Liquozone can | Liquozone has done. | to tet the product iteelf show you what |
|  | But so many others need it that this | it can do. In Justice to yourselt, please |
| at Liquozone Is. | offer is pubished strores of dissases to science has traced scores | accopt it to-day, for it placee you undor no obligations whatever. |
| ne are derived | germ attacks. Old remedies do not ap- | no bougaluo wia 500 . |
| ch uber. The process of making re- | pilck ones-at our cost-what Liquo |  |
| quires large apparatus, and from 8 to 14 days' time. It is directed by chemists | can do. |  |
| the highest class. The object is to | se are the diseasss in which Liquo- |  |
| ox and combine the geses as to carry | zone has been most omployed. In these |  |
| cide. <br> Contact with Liquozone kills any form | it has carned ite widest reputastion, In ail of these trouble we supply the arrot | I have never tried TIlquosone, but if you will rupply |
| Contact with Liquozone dims are of | bottle free. And in all-no matter how difficult-we offer each user a two months' |  |
| vegotable origin. Yet to the body | further test without the risk of a |  |
| Liquozone if not only harmless, but helpful in the extreme. This is its main dis- |  |  |
| tinetion. Common germicidea are p |  |  |
| n taken |  |  |
| cine |  |  |
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| n exist in it. |  | Ayy phyyideton or haopital not yot nating Liquosenes, wil |

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a thing of the past. You have my sincere thanks. or grit in their make-up, are WEAK $\ddagger$ MEN. Ih. If they were not born weak, I can make physical giants $c f$ them, HERE IS MORE PROOF OF MY CLAIMS.





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A first class farmer's knite, finest steel blados, strong by Jos, Rodgers \& Sons, Sheffield, Hingland. Fivery
cimmer and fumer's son shonld have one of these knives For One New Subscriber. Wouth a

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dexed Bible Atlas, with sixteen full-page illustirations, printed in gold and color. Two Not Subscribers.

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finely timed and stem wind. Eleven Now Sil finely timed and stem wind.
scribers. Rotail price, $\$ 11.00$.

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Sive, $88 \times 6$ inchos. This hand some pebbled-leather Wrist-bag, lethor-linied, nidkel-plated olasp and chain.
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Size, $47 \times 7$ inches, Just what every lady wants. A magnificont leather hand-bag, leathor-limed, leather
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We must have honest workers. Changing the name from one member of the household to another, or deception of any kind, will not be allowed. If discovered, the premium will be withheld


[^0]:    Recipes.
    Fairy Drops.-Cream well together four unces butter and four ounces sugar.
    Beat four egga, add them gradually Beat four eggs, add them gradually to
    the butter and sugar. Now work in rently four ounces ". Five Roses "' Alour,
    into which has been sifted one scant teanto which has been sifted one scant tea-
    upoon of baking powder, and add one spoon of baking powder, and add one
    ounce of cleaned curranta. Line a baking tin with buttered paper, drop the mixture into the pan in bita a little larger than a walnut, keeping a space be-
    tween them. Bake in a quicis oven till brown.
    Cocoa Tea Cake.-Beat three large eggs, Cocoa Tea Cake.- Beat thres large eggs,
    one at a time, into a scant cup of sugar which has been creamed with one-third
    cup butter. When smooth and light add one-half cup milk, one-halt cup " Five
    Roses" flour, into which has been put ne-half teaspoon baking powder. Add
    ne-quarter cup of cocoa, which has been one-quarter cup of cocoa, which has been
    dissolved in a little warm water. Flavor dissolved in a little warm water. .
    with vanilla, place in mufin pans, and
    bake in a moderate oven.

[^1]:    Cutamen

