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LONDON, ONTARIO, JANUARY 26, 1911. 10 957



## Trosṫ Fence

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| Shen we had found that out, we berge |  |
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FROST WIRE FENCE COMPANY, LIMITED, \&mm


## DO NOT WAIT

I'ntils seeding time to decide how you are going to

## DO IT NOW

Treat your grain and kill the smut with
"STANDARD"BRAND

## Formaldehyde

40 VOLUME.
The BRAND your local merchant handles.
Used with complete satisfaction in Experimental Farm tests.

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Toronto, Canada


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Tanks,
Water Boxes, Concrete Mixers, Etc., Etc.

| SEND For |
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canada.


THE FARMER'S ADVOCATE


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that commit you to no outlay at all We welcome comparison with other makes. We know
ours will excel test. Write us for detalis of thils FREE TRIAL OF OFR. Ask for
Bulletin No. I.

TO NEW COMPANIES.
() UR engineers will glady furnith you tullinformation if you think
of building a line. Write for I E S W $\begin{gathered}\mathrm{E} \text { carry in stock wire, in } \\ \text { sulator ors, and everything }\end{gathered}$ sulators, and everv thing
is I in construction supplies. Get our prices
Prompt delivery assured. canadian independent telephone co., limited

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## RECIPROCITY <br> do not need reciprocity if you buy your drills direct from us, without selling expense. We manufac rom us, without selling expense. We manufac ure the IMPERIAL HORSE-LIFT DRILL. et us tell you why this drill is th best drill on the market to-day.

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your own plants from seed with double:-glas sash. Plants grow larger and quicker. No worry
of bards or mats for covering: of bards or mats for covering,
Alwas gets the sunight Sipes
 $\xlongequal{\underline{\text { lor booklel. }}}$
M. Brenmen \& Soms Mif. Company
Hamiton, Canada.



1. XI,VI

EDITORIAL.
The W
onines it
Provincial Mitention to educational matters. The Provincial Minister of Agriculture was the only
man who discussell the turif at a regular session.

The consumer who kicks about the price of deefsteak seldom thinks of what it cost the farmcr who bred, fed, stabled and cared for the cat-
tle. As a matter of fact, the extravagent of steaks is largely due to the extravagant cost fr retailing and delivering, plus the consumer's
failure to utilize the cheaper cuts of the carcass
Thirty-five systems of farm accounts have been
ubmitted in response to our announcement of ,rizes for essays on farm bookkeeping This number is most gratifying. The task of judging will be difficult, hence the results may not be announced for a week or two. There will be some good matter for publication when the awards are
nade

Ten or a dozen sjeankers at recent agricultural
oonventions have emphasized the fact that farmang has become a bustiess, and a complex business dignity of the ocoupetion, but to the demands it makes upon management and business training
Both the businces ncreasingly emphasized as tine sects will be

That the aggresate value of Canadian dairy roducts tor the fiscal year ending March 31st, million dollars the nexcerdey eighte production and a half 1902 903, the year oi bumper exports, is Dairy Com nissioner Ruddick's comifort ing assurance. For-
ikn trade ret urns do torne cunsumption has largelly increassed story

It is a mistake to assume that American apilal would cease to tlow into Canada under the concervable that in some lines it mieph (10) all the more reatily locause of the cheaper Kh and lowered cost of labor and supplies. or those manufacturing industries catering to molition under which to prodluce most favorable

The marufacturers have presented their views Un the tarif question frankly and publicly. In
this they command our respect. Nor, for our part. have we any exception to take to their
Iendering of advice to the agricultural community. We orceasionally indulge in the privilege of making suggestions to them, and turn about is fair poims, we welcome their evident disposition to

Thatlan thank failures are becoming so fre woull he were they not so serious. Our boasted Vanhinf 4ystem seems to have some weak spots, after all. Public opinion is veering rapidly to

I,ONDON, ONTARIO, JANUARY 26, 1911
No. 957
Five Paths to Prosperity. In national affairs, New York is often de-
scribed as a pivotal State. As roes New York so go the elections, may not always be true; but the vastness of her population, the greatness her cities and towns, her marvellous means transport, linking the Atlantic and the Great Lakes, and the varied capabilities of her soils for culture and dairying. commonwealth a remarkable vantace, clearly dia cerned by men standing on the outposts of prose ress. The position of the state is not unlike that of the Province of Ontario and Western Quebec in the geographical and agricultural make-up of Canada. More than ever, Canadian agriculare is to be based upon intelligence. So is it With New York farming, now in the midst of a reat awakening, in which many agencies are perating. For over a quarter of a century, the ears iment station at Geneva, during recent dan, has labored an direction of Mr. W. H. Jor from Albany, the State canital, ramify atricur tural societies, associations, farmers' institutes and a campaign of improved highwavs institutes mighty hilltops of Ithaca the: State College of Agriculture, under Dr. L. H. Bailey and a corps farmin 80 professors and instructors, with ample wice. Sis in its rom University, industrial casses innocracy of education for the of life ./ (ormell the pursuits and professions Goldwin Smith and the breathes the apirit of and $i+$ ense being represented in its 5,000 student enrollment of which this season the College of Agriculture the College is energized with life. Department.s are thronged to overcrowding, plans are under way or new buildings and equipment to the extent of several hundred thousand dollars, and an Ex-
tension Movement is connecting it with the rural homes and schools of the State, enlarging its oprortunities and multiplying its efficiency. This artichar work avas iargely initiated by Prof horticulturist when Dr. Bailey assumed the di rectorship. Proi. Chas. H. Tuck, a genial opti
mist, inspires the movement now,
$\qquad$
$\qquad$ pears to be proceeding along five conspicuous ing. (2) fancy and businesslike fruit culture, (3) poultry husbandry, with egg production as a to the soil, the long-continued reduction of which J. I.. Stone. Professor of Farm Practice, declare: :o the the fundamental difficulty that has so re
duced the productive capacity of the farms; and (5) the systematic construction of a network of macadramized state and county roads to enhance
country life and facilitate the marketing of farm products. Inderlsings and permeating the entire
$\qquad$
$\qquad$ ane. Wears of the American West, are returning o resume und enjos thie opportunities of life on he lants of the state. The least evidences of roperity are proiably in those districts where
condition, diaily for some $9,000,000$ people, most of them city and town residents, to say nothing butter, cream and cheese, is an enormous problem. Incidentally, the sale of so much whole milk lessens the supply of by-products, and thus necessary dairy cows hecomes increasingly costly and difficult, although the breeding of this type overshadows all others, and the Holstein-Friesian is far in the lead. Many years ago, the cauze of the black-and-whites was espoused with characteristic American enterprise and enthusiasm by such firms as Smith, Powell \& Lamb, J. B. Dutcher, T. G. Yeomans, F. C. Stevens, The Unadilla Valley Association, and others, who have continued the work with unabated energy in milk and butter record-making, and in a campaign of publicity
probably never before equalled. Prof. I. P. Roberts, formerly head of the College of Agriculture, and director of the Experiment Station, gave a demonstration in herd improvement, by breeding and discarding the undesirables, that raised the production of the College herd from 3,000 pounds of milk per year, to 7,463 pounds, containing 302 pounds butter-fat, or a gross return of $\$ 120$, a little more than dotble that of the original herd. At present, the average milk production per cow in the state is reckoned at about 4,400 pounds is year, and to raise it to at least 7,000 pounds partment has launched the cowege dairy de which in Canada has proven of such value. policy discovers that some cows are not producing nough to pay for their feed, while others return over $\$ 50$ in excess of food consumed, is an eye opener. With the rank and file of dairymen, the next greatest means of progress will be in the production of proper foods and in improved modes of feeding. The College dairy department gives vidence of thoroughgoing work. From the aundering of the student suits, to the boxing of the final product, and the sterilizing chamber for ntensiss and cans, a policy or rigid cleanliness is f keeping clean than most dairym the gospel learned krom Chan most dairymen have yet call is for better-trained ments and the State the lairy-schools stucents to qualify themselves are steadily lengthening, is the observation of Prof H. E. Ross, Assistant Professor of Dairying. The day of the slipshoti maker is gone, never to recurn. He is not wanted. The tremendous de mand for whole milk and cream crowds upon the upply for cheese factories and creameries, but ertain local conditions favor the latter. Suphes of cheese and butter keeping well within suring, good mind surate returns for woduts of patrons, commen

Long and deservedly New York has prided itself upon its achievements in horticulture, alike in Coriculture and fruit-growing. Distinguished leaders have piloted the pathway of progress in its science and in its commerce. The fruit areas present all the tokens of prosperity and the re-
linements of life. More than ever before, apple culture will be prosecuted according to the requirements of science and business. The orchardsurvey work has shed a flood of light on the problems of the weak and strong points of the industry. In the three years' survey of Niagara Colunty, it was ionnd that some 716 orchards Law an average anmal income per acre, for five
wars, of $\$ 109.20$. (iradually, faulty cultural methods will be abandoned, and greater profits
the $F_{\text {armer's }}$ Advocate Sielding and rust resisting strains of timothy, 200 plarts tested. Atready some of the best are proand Home Magazine. the leading agricultural Journal IN THE DOMINION



## 





 deserfing of greater encouragement than timothy. Canalian farmine for iorses and otier stock. A distinct service least one-quarter could be added to the 6,000 ,oon grown on a ereatls -reduced acreage. The results
of experimental anl 1 demonstration work with al falfa on sterile hill lands has been decidedly en
coumaring. and also the use of time in correcting soil acidity and settiner free plant footl. It hat
heen demonstrateri that, to secure alfalfa crops on munkirk clas laam, a common type of soil to be well manured the season of scwing, dressed
 told the students that more clover cranks were nure that will imbart a deeper color to the soil, increase its warmth: enable it to hold
more water, impure its texture, and promote
its bacterial activit.

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\begin{aligned}
& \text { Just one other example, but a most refreshing } \\
& \text { one. Down in my native County of Haldimand }
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& \text { one. Down in my native County of Haldimand } \\
& \text { last fatl, I heard of a case which admirably il } \\
& \text { lustrates several of the points which I have bee }
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& \text { lustrates several of the points which I have been } \\
& \text { irying to make. In a certain neighborhood }
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& \text { was a comparatively young man named } \\
& \text { Warren Stringer, a schoo! teacher. Twent }
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& \text { Warren Stringer, a school teacher Twent, } \\
& \text { yars ago, his father, owing to failing heath } \\
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Now, Mr, Stringer had no agricultural scienc

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& \text { whatever, but he did have an inherent liking for } \\
& \text { the farm, and a desire for such knowledge a }
\end{aligned}
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& \text { the farm, and a desire for such knowledge as as } \\
& \text { would make it possible to do better work than }
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his neighbors, and to understand the "why"

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& \text { things. He attended Institute meetings, sub } \\
& \text { scribed for agriculural iournals, god began }
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& \text { scribed for agricultural ournals, and began } \\
& \text { practice what he learned as best he knew how }
\end{aligned}
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& \text { practice what he learned as best he knew how } \\
& \text { He tried both beef cattle and dairying, but found }
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& \text { there was more money for him the dairy. He } \\
& \text { kept accounts, practiced soiling to supplement his }
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& \text { kept accounts, practiced soiling to supplement his } \\
& \text { pastures, and built the first silo in his neighbor } \\
& \text { pood. A few years aco there was a farm for }
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\begin{aligned}
& \text { hood. A few years amo there was a farm for } \\
& \text { sale in the neighborhood, and to everyone's sur } \\
& \text { prise. Warren Stringer bought it for four or five }
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& \text { pris. Waren. .tringer bought it for four or five } \\
& \text { thousand dollars. A neighbor offered to lope }
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& \text { thousand dollars } \text { neighbor offered to loan } \\
& \text { him some money to pay for the farm, but he }
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& \text { him some money to pay for the farm, but hat } \\
& \text { lidnt need any Thea the neighbors began t, } \\
& \text { sit up and take not cee. They are now commen }
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 Ther implements and tools were practically all for as racards nowl sorvice After getting some
new implements, pary ing certain claims to from thy brother I foumd that the farm of 105 What I wanted it had cost me nearly $\$ 3,000$
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THE FARMER'S ADVOCATE
do business with those in the Fair building, rather
than follow to the city stables those who were compelled to put their horses outside. But there
is still a more serivus phase of the matter. It was openly charged by some of the smaller ex
hibitors that, though they were first in the build ing with their exhibits, they were compelled to get out to make room for the big breeders and
importers. if sucl a charge be true, and the writer has little reason to doubt it, it will re
main a standing disgrace to the Fair manage maint, and will surely militate against the suc-
mess of future exhibitions. Why not tell the farmer plainly that, while his presence is greatly
desired at the Faar, he need not trouble about desired at the
bringing any horses, but just come and behold the
wonderful display that can be made by the horse nobility of Ontario.
There is just one other matter that I wish to refer to, and thating their stock shipped home
exhibitors in having
after the Fair is over. Unfortunately, the weather was very cold during the week of the
Fair. and stock taken out of warm quarters an put in cars was sure to suffer. One would expec
that no time would te lost in sending them to their destinations, but we find that stock loaded
before daylight was left standing at the junction until after midday, not reaching their destinations, about fifty miles from Guelph, until late
the evening, and with very disastrous results to their owners. To the writer's personal knowl
edge, one very valuable gelding has since died o pneumonia, brought on by a chill received on the While this may be a matter over which the Fai management have no control, I think it is thei test against such treatment by the railroads
Trusting that others will give their views on the Trusting that others will give their views on the
Winter Fair, whether they agree with me, or not 1 feel that it might be productive of good.
Perth Co.. Ont. FROM THE MANAGEMENT'S VIEWPOINT. The Secretary of the Exhibition, A. P. Wes
tervelt, makes the following observations regard tervelt, makes raised by our ccrrespondent :
ing the points
. The management. of the Winter Fair are aware of the disadvantage of stabling the horse
outside of the Winter Fair Building. Those who
The have had charge of locating the horses at the las
(wo exhibits are, no doubt, better acquainted with the difficulties of the situation than anyon
aise. For tha last. exhibition, as it was not eise. For the last exhibition, as it was no
possible to secure the accommodation for stabling
horses, it was decided lo charce a stall fee for horses, it was decited the building. Accommodation outside was frce. This is noted simply to
show that it was quite realized by the management the reasonable unxiety of hose exhiviting
horses to procure accommodation in the building and to, as far as possible, put the horses inside and out on a more equal footing, It will be
readily understood that, from an exhibition standpoint, it was rather a difficult situation
meet. However, the inference made by the let
Hol ter is not correct. There was absolutely no in-
tention to favor the large exhibitors, to the disadvantage of the smaller exhibitor. Attention were unable to know at what time each class
would come on, and the difficulty of getting the horses from the stable to the building. If a man
were exhibiting one horse, this would only hap were exhibiting one horse, this would onfy hap
pen once, but if a man were exhibiting fifteen or
twenty horses, it would create practically an im twenty horses, it would create practically an im-
possible situation. This was the reason for the accommodation of the larger exhibitors being se
cured in the building. The smaller exhibitor could stable outside with a considerable less dis advantage than an exhibitor showing a large
number of horses, and it was felt that this principle
hibitors. Whld appeal generally to the ex-
What I
 hitors simply because they were large exhibitors,
but that there appeared less disadvantage to
smaller exhibitors stabling outside than in the
case of the large exibitors case of the large exhibitors.
". During the last show. McFwen, who
was placed in charge of stabling the horses,
monell a resolution at mowd a resolution at the Fxecutive meeting that
the Executive meet immeriately after the Ex.
hitiotion and hitition, and meet with the city council of Guelph
with the intention of discussing the question of more accomnodation, the principal object in view
boinz more accommodation for stabling the horses. This Fxecutive meeting was held on the 2.3rd of December, and a meeting with the city
council was also held on that date. The matter is still beine considerecei, and we hope that some
dinf., int arrangements may be made before anrear This is simply mentioned to show
the management of the exhibition realize the he management of the exhibition realize the
antare of some of the horses being stabled
a. and the desire of the management in

## also some information with reference to shipments

 tench were sent directly to me. These, it is in-te ive for 1911 is appointed. The Grand Trunk ntend to make some extensive changes for the acmuch limited heretofore, and it is expected that when this has been done, they will be able to handle shipments more expeditiously than hereto"It is unnecessary to state that the managelarge a number of exhibitors as possible, whether they make a larpe display or a small exhibit. Son may be assured of the same fair treatment. The management is quite well aware of the dissatisfaction caused by the lack of accommodation
in stabling the horses, but an endeavor has been in stabling the horses, but an endeavor has been
made to try to make the best of the difficult situation, and whether or not it has been suc-
cessful, it is hoped that it will not be necessary cessful, it is hoperl that it will not be necessary


Champion Shropshire Wether of America.
Bred and exhibited by J. Lloyd-Jones, Burford, Ont. This wether as a yearling won $\$ 85$ at the International $\$ 10$ at local ahows same year, a total of $\$ 123$, and sold

## Building a Pig House

ou to give me a plan If am going to build it of stone, with a furnace to boil feed. On acit long, about $50 \times 25$ feet. Want pigs to run but at one side. Would you advise stone, wellrentilated, with furnace, as good for pigs ?

UUBSCRIBER. We do not advise the use of stone walls con he improved by strapping and boarding over inade, leaving an air space. A better style of wall is a stone or concrete foundation to about a foot above the ground; then $2 \times 4$-inch studding, double-boarded outside, with paper between, and
ingle boards inside, matched
It is more im portant to keep swine dry and clean than to portant special provision for warmth. Provide ventilation, but avold drafts. A high ceiling or oft filled with straw, which absorbs moisture, ia
good, but the latter should be changed at least every year. ch The feed cooker, if one is used, pipes and chim-
ey. can be made to aid in equalizing temperature, and promoting a circutation of atr In secured by intake shafts about $4 \times 6$ inches, entering from the outside about a foot above ground
and oponing inside below the ceiling. Outlet and opening inside below the ceiling. Outlet shafts, 8 inches square, then a mith a device for preventing a cold down draft. are used. Provide plenty of windows for light. The feed room is usually placed at one
end of bullding. Buildings are usually laid out with one row pens, and feed passage at side, or
two rows, with it five-foot feed passage through center, larce enough 10 accommodate six or
cight pigs each, one compartment for feeding the Cight pigs each, one compartment for feeding, the ing place on the cement floors, which are most ing place on the cement foors, which are most
durable and sanitary. It is handy to have doors
between pens, and from pens into feed alley, as well as those into yards. Most men prefer
agure out dimensions to suit their own ideas.

Recommends Moderate Feeding f Silage.
tock the feedins fock, the amount oi silage to be fed depends up dition of the silage There is, I think, more dis rence in the quality of silage than there is in hat of hay.
Aancels, is my idea sound and 30 to 35 pounds angels, is my idea of what milking cows should orn than the silo would hold first time of filling, later, after the silagc had settled. Although the talks were as well taken care of as possible, put up in large stooks, drawn together with a rope, and bound with twine, and at filling time ap-
parently in good condition, I did not consider hat silage as good by fifty per cent as that same time, but the grains of corn came through the cows undigested and showed in the excrement,
and, of course, the cow got no benefit from these and, of course, the cow got no benefit from these
valuable grains of corn, and it was putting that much more tax on her vital organs, besides the
loss of the undigested grain. There was, no doubt, less benefit from the stalks, also, alshow so plainly in the excrement. When feeding this silage from the last filling,
I thought it wise to feed only 20 to 25 pounds aily and fed, as long pounds daily of mangels to the cows that were fresh from one to three months. Aiter this late
filled silage was fed, I fed more silage and less roots.
Aga

Again, when wanting a cow to do her best for a week's or month's tost, say, or even when fresh
or milking heavily, and not testing, I like to feed only from 20 to 25 pounds silage, and all the used to roots can handle 50 to 60 pounds each daily; but, after 40 pounds roots daily, the increase should be slow. Silage, even at its best.
is not as digestible as roots. they are nearly all is not as digestible as roots; they are nearly all
digestible. An animal, to do well. must have variety, and feeding 55 to 60 pounds silage a day
does not allow for that. For this and other reasons, I do not consider it wise to feed so
much. But more A-1 silage (which means silage much. But more A-1 silage (which means silage fed than of the lower grades I fed a cow for eighteen winters on silage, as old she would do better on silage than on grass. hecause she could not then nip the grass. So that the effect of silage on a cow's stomach may be dismissed as nil. There are not many cows fed
Galf that length of time.

Feeder Must Be Keen Observer.
Quite frequently we have been asked the ques per day?" In answer, I would say that much depends upon what the feeder is trying to acComplish, and also the quality of silage he is
feeding. If the siluge is well matured, rich, and for general feeding, 40 pounds, with hay and roots, will keep cattle thrifty and in no danger of any ill-effects. Cloyed appetite and scouring the silo too green, and sometimes by feeding mouldy silage. In the human race we find, even in some families, members who have stronger stomachs than others-some who can eat any-
thing, while others are more delicate, and have to be more particular what they eat. Just so with the cattle, in every herd we find cows that will eat and digest more than others. There is no
rule to go by as to what amount to feed; if a rule to go by as to what amount to feed; if a
feerder expects to accomplizh much, he must use feeder expects jo accomphish much, he must uent and be a keen observer.
goor judgent
Oxford Co., Ont.

Among the rank and file of Shorthorn breeders there is settled conviction that something of a age and assist the development of milking quality in the breed. Many with whom we have difcussed the matter are of the opinion that the
adoption of a systemi of officially-supervised year adoption of a systemi of officially-supervised year-
ly tests of milk and fat production, with publication of the names and records of individuals acquitting theinselves reasonably well in a Record of Performance, printed as a sort of appendix to
the herdbook, would best meet. this need. Others think perhaps additional measures might be employed. Certainly, the question is one that should be grappled with at once in the interest of present and fiture welfare of the breed. If forthoming annual meeting, why not appoint a

134


Capbolic Acid Ineffectual

THE FARMER'S ADVOCATE
THE FARM.


Alfalfa a Mortgage-lifter




to mower. We remmese the ceat, also large acthed
ihen hang a simatl jumper (about $22 \times 3$ feet) to
ihen hang a simall junpler (about $2 \times 3$ feet) to
anle of mower, so that most of the weight is on
inte mower, the hind cond











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A Western Farmer's Workshop.

Results from Cleaning Mangel Seed.
and there nlone, we
circulat ion in sonn
lirine about a cur
foons, of seering soveral con

ruceri, wd some poison acting
recen wid some poison acting

 weehs. She aborted 102 duys after infeet lion anm the count the गlischarges.
the simple treat meent of carburlic
hnow fact that medicinus mensur
will reach the blood stremin in ti
Than when given by the mouth:
ac ha bo trow tim
-
toched and drawers for punches chisels holts, burrs, etc. these con vepiences are easily mate, and
Any of Any ot our forye is simply a wooden box
cost titte, our
abee three about three iect syuare and eight inches deep,
anlled with clay, with a hole above the tire iron for a fire-pot. This hole is lined with cement. We have a cooling tank about $2 \frac{1}{\frac{1}{2}}$ feet long, 8 inches
cide and 1 foot deep, made of planks, standing near the forge.
Ther a set of stocks and dies. two hammers, one large antl one smail, a pair of bort tongs and
pir of flat tongs, a hardy, a peir of, chisels., punches, etci,
wromplete the blocksmith
cout ${ }_{f \text { fit }}$
The carpenter's toonc consist of four saw (hand saw, rip saw pane saw and
two planes (jack plane and smothing plane),

 rasp is quite necessary in putt ing handles in ham-
mers and pitchfords. and fitt ing singletrees, etc. Such a blacksmith outfit would cost about $\mathbf{8} 55$ new, and the carpenter's tools about $\$ 25$. It is
very hard to say how much a workshop saves. We harpen from seventy to one hundred plowshares every year, and the renair work if we had to hire
it done. would protably cost about $\$ 50$; but the time saved in going to town to have our plow work and repairing it when convenience of moing ants to a great deal more than the cost of havine it done. Oftentimes a man can sharpen a
plowshare at nonn. while his horses are eating, plowshare at noon. While his horses are eating. and there are showerv days when he can do a lit-
tle plow work or a little renairing on his drill or harvester ; or, if he is workin! in the field and breaks something, he might be able to fix it in a ow minuters and hive it done an mill hatration will brine out that point. I sent a man to the field to disk, hut it was not lone before he came back with a hroken brace. I went to the shop feld acain. instances.
I would by all means advise a newcomer have a workshon if he lives more than four or
five miles from town. If he cannot aflord to start with a full outfit of tonls, start with a few, but buy rood ones, and add more as he feels able.
Manithlicr.

Chatty Letter from a New Subseriber
Have inct recesived for-the first time, and, beiny a farmer who is arming for profit, the article that impressed me most was "A Gooll New Year's Resolution." on't see how face, permuld manare his business without a system of hookkenping. any more than the merchant or the prosirector. I may sny that the past ten years allen the number of buchele of krain throched the her year and an iten of thi averaure also all milk accounts, the number of cows kept each vear, and the averave per cow: wloo when sows are due to arrow. Never lose a litter through neglect. I find it pays well to be particular about seed grain here. Sow only the best, be sure every kernel oretty sure of a moal crop I might say that his year I have been doing a little out of the ardinary; that is, the past stason I commenced
to cut hay on June 20 . 1 h. 1 cleared off a piece If hay, und plowed the ground and sowed it to buck wheat. The scason was dry at first, hut I
had one hundred bushels for my trouble, which I

 stablech Iave a sy.tem on onacyent know




A Bapn Worth Study.
$\qquad$ ability, and sanitation, are all carefully embodied in the well manned harn of James Mackinnon, Mrome Co. ©ue. Mr. Mackinnon bought a stony
make an attractive ho night be economic and acreeable, That cultivation eing lifteci off the fields, and a magnificent stone rence has already been built with them across the
farm. But the new barn is the most interesting feature of the steading as yet. It is not extra large, but it has been planned with due regard to
all the factors that. are talked of oftener than racticed. Three thousand four hundred dollar water it, with two coats of paint, and pipe $t$ is placed on a billside, which gives an easy pproach, even for the higher barn floor. Th oundation is ztone, the trame sprn The basement floor is of concrete, and is al has 4 tox accommodates $2 .$, cows and 4 horses and a root cellar. A lean-to, which has a concrete floor, serves as a manure shed. Adjoining At one end is a two-story carriage shed, which erves for warons, etc heneath, and implements above. The threshing floor is placed six fee above the regular barn flooring, which thus pro hat at threshing the grain is spouted directly nto the bins, and from there spouts carry it to the stables below, thus avoiding any handling. The accompanying picture gives a very fair
dea of the barn, while the diagrams show the exact plans. The King system of ventilation was installed
at building, and is giving thorough satisfaction

## Poisoning Spappows, on the

 Manure Heap.Wditor "The Farmer's Advocate":
Would it not be an opportune time to insist again upon the readers of your splendid weekly making a united effort to stamp out o existence that cursed pest, the dirty sparrow? The mad dog isn't in it with them. Through "The Farmer's Advocate" I learned how to sweep them up, but there was more to learn, for fox, and the game was how to get rascal sparrow to take his medicine. Several plans I tried, but one worked so well as that of carrying one or wo tablespoonfuls of poisoned grain in the pocket when cleanting the stables. Pack down the mahure, and by the time you have the stables leaned our your can expect to find a few sparhere is no doubt will keep right on with the glorious work, resulting in satisfaction, and he pleasure of having a clean barn and barnard. The expense How to proceed: Buy 20c. worth of strychnine in the powder, put a few tablespoonfuls of sot water on powder; then, with a four-inch
sike nulverize until dissolved. Put this in a half pint of water (hot, of course), have two quart cans filled with wheat to within two inches let the cens stand in a warm place for 24 hours, then drain the water off and dry the wheat in oven or elsewhere, and it is then ready to be served on the Furonean plan, for the sparrows
only nay for what they get. Be careful to keep only nay for what they get. Be oareful to keep
the poisoned wheat from children and pets, and keen the noultry shut up during the siege.
Middlesex Co., Ont.
D. FRASER.

Upper foor Plan of Mackinnon's Barn.


Barn on Farm of James Mackinnoa, grome Co., Que




220 Eggs Per Pullet


## EASTERN ONTARIO WINTER FAIR.

The executive committee of the Eastern On- weeh. Type, with size, quality, smoothness,
tario Live-stock and Poultry Show have had style, beauty and action, predominated from ty every good reason and Pour feoling satisfied have had
over their end even the weather, have all to a gratifying ex, tent oontributed to mave all to a gratifying ex17 th to 20 th not only by far the greatest that
bas been held at Ottawa in the winter, but one of
the best Winter Fairs held anywhere, To begin with, tie buildinge
To begin with, the building is a capital one entrence: all tho stock is in one building, and that one is splendidly heated, and in the judging Arena equaily well lighted. Stock and people are
froe from drafts and comfortable all the time in which respects the Ottawa Fair is a splendid example for some other organizations. The new
dairy building in dairy building is roomy, sanitary, well lighted
and warm-too warm for the cows' sake ; over it is an excellent lecture room. The accommodation for sheep and hogs is somewhat cramped, an but that may be readily remedien or exhibitors,
and may de readny remedied.

Commendation, too, must be expressed of the by they are practicaily always open to public in spectio
mals.
style, beauty and action, predominated from the
top to the bottom of the ribbon-winning aggrega-
tion, and splendid ones stood outside the money tion, and splendid ouses stood outside the mogey
Baroness Insch, fit and attractive Barones. Insesh, fot and datractive as over, none
 Honcerieft Durhess. Both are grand mares. Rosa-
bolle, ate hird, could get no points on moving trom any of them, coul ghe ile in puoints on moving
feminine character whe , wind size and teminine charactar was very attractive. Har
mony Joss, that took tourth
monort moan Joss, that took fourth honors, is a new
star of the trat magnitude, and nothing but the very best could beep her from going higher. Blach Quen, in intrth place, was a tyicin hal maro; while Marchionas, to whom sixth ribbon was allotted
 int the the tana-year-oldd class, Royal Rosie came into the Canadian rings for the frat time, in
convincing wave
 though she had to to fight harrd with the massive clean, strong-made Bessie Lane. Lady Bane, at third, showed the make-up of an attractive, use
ful mare. In the yearlings, Jessie Cameron, of medium size, but well turned, trim, and with
much character, was placed first much character, was placed firs

The Canadian-bred aged mares were headed by
a very stylish, halanced mare of good size in
Fanny Forward
Fanny Forward, and foilowing her was a thickly made, clean-limbed one in Lady Gold. The yearling fillies, however, brought out the championship of this section, in Rosvelva, that is hard The representatives for imported championship all came from the one barn, which took a little

Stirling, by Royal Edward: ${ }^{\text {O }}$, Richardson, on The Majestic, by Majestic 2, Rarot. Ness \& Son Boyd, on Koyama, by The Rejocted Ness \& Son, on Merchiston Again, by Merchiston by Alexander's Heir Onslow.
on Ko-year-olds.-1, Mount Victoria Stock Fan gins. on Maros, by British Chief; 2, Geo. A. Hod Thomas Clarey on Baron's Kid by Anow 3 Spades.
One-
on Fasciar-olds.-1 and 2, Smith \& Richardson by Black Ivory; By Black Ivory, and Bay Ivory,
Willie Illie, by Knight of Merryfield. Co., Ltd., on Moncreiffe Duchess, by Moncreiffe Marquis ; 2, Smith \& Richardson, on Baroness Rosabella, by Marcellus; 4, Hodgkinson Son, on dale, on Harmony Jess, by Harmony; 5, Graham Renfrew Co., Ltd., on Black Queen, by Baron
O'Dee; 6, B. Rothwell, on Marchioness by Mon cellus. 6, B. Rothwell, on Marchioness, by Mar
Two-year-olds.-1 and 5, Sinith \& Richardso
on Royal Rosie, by Royal Edward, and Lady Ed sard, by Edward McGregor; 2 and 3, Hodgkin and Lady Bane, by Faraway Blend; 4. Robt. Nes, \& Son, on Rose Wright, by Douglas Chief; 6, A Scharf, on Song Thrush, by Scottish Crest.
One-year-olds.-1. Robt Ness $\&$ Son One-year-olds.-1, Robt. Ness \& Son, on Heli
dore, by Scottish Crest; 2 and 3, Hodgkinson istale. on Jessie Cameron, by Baron's Chie nd Raroness Hum
 morev, hy sir Hum C'anadian - bred
Mores.Aged-1
Hodgkinson Hodgkinson \&
dlale, on Fanny
ward by Rirht
For
 Ciartley by on Lady
Caron
Ciarlley 4, HII F
(). OCallachan, on Lady
Wock, by Cecil:
I\% il
-

Salome, by Inheritor;
2, Iodiginson \&
Tistale, on Queen of
Mongolia, by
Mongotia, by Right
Champion import

## 

 of different mit
no
ensy tuat
Nine drafty 3 - year-old stallions faced the judges,
und their verdict gave chicf honure the


 whom thir, homors fell.





 -ath 2. Graham Renirow (0) Thampion stallion. Reamhope Dalesman



8

INUARY 26, 1911

Champion mare, Cymba
Standard or General Melrose, by King Melrose Gardhouse, on Generaince Ambrose, by Ambrodal ; ${ }_{3}^{2, ~ R . h e t . ~ N e s s ~ \& ~ S o n, ~ o n ~ P a r l i n, ~ b y ~ A l c l o y o n e . ~}$ Thoroughbred stallions, any age.-1, P. Clarke,
on Valjean; 2, Ottawa Hunt, Ltd., on Kirkfield; on Valjean; 2,
3 , W. Cochrane, on Ponka.
3, Hunters.-While not a numerous show, yet
Hon. very excellent animals were brought out. Hon.
clifford Sifton took first, second and fourth; Dr. Clifford Sifton took first, second and fourth; Dr. R. E. Webster in the class carrying under that weight awards stood about the same.
Pony. mare or gelding. - The feature of this Pony, mare or derful exhibition put up by
section was the wonder
that grand little stallion, Plymouth Horace, that section
that grand little stallion, Plymouth Horace, that
captivated the young and old alike. Grahamcaptivated the young and old alike. Graham
Renfrew Co., Ltd., took first in both the stallion Renifew ${ }^{\text {and mare sections. }}$
and mare sections.
Draters, in harness. - A good show was made of these horses, though entries were not so numerous as at previous shows. In singles, first and fourth to A. Scharf; fifth to John Minoque, and sixth to Thos. Clarey. In teams, Smith \& Richardson took first,
BEEF CATTLE

> The Ottawa section of country found a re nunerative and faithful ally in the dairy cow about twenty-five years ago, and the people have loyally espoused her cause ever ough beef cattle sult, there
brought into the show to demonstrate the fact that there are excellent herds of beef animals maintained in that section, and that the people
can produce show quality of stock. About sixtycan produce show quality of stock. Attle barns. Of
four head in all were in the beef-cater these the Shorthorns predominated, and some un usually good things were forward. Not a few Western Ontario. Peter White, of Pembroke, and W. A. Wallace, of Kars, upheld the credit of Eastern Ontario, against A. Armstrong, Fergus and Jas. U. One of the most attractive shorthorn ofering
was the sappy, mellow. balanced calf of White which led that class; followers of the breed wil
expect to hear from him in a year's time. But this good calf, which was first and junior champion at Guelph, and the Hereford offerings, which were
first and breed champions at Toronto and Guelph, first and breed champions at heifer, belonging to L-O Clifford, Oshawa, made the Herefor show, and made one that should enhance the
popularity of this unexcelled beef-producing breed Shorthorns.-steer, 2 years old- $1, \mathrm{~A}, \mathrm{~A}$, Arm-
strong. Steer, yearling-1, Jas. I eask,

 Irmstrong.
Iferefords and Aberdeen-Angus. - - or
 Clifford Cow or hetter,
(1). Cord
(ialloways and Devons.-Steer or heifer, 2 -yearind over-1. Armstrong. Cow or heifer, 3 years ind over-1, A. A Armstrong.
(iradee, and Crosses of any breed,-Steer,
ear-old-1. 22.3 and 5, A. A. Armstrong; 4, A. Insnes, oltawa, Steer, yearling-1, 2,3 and 4
 Jas. LNask Heifer calf-1, 2 and 3, A. A. Arm
Arong A Jas. Leask.
Three Thiree Das. Leask. 1, 2, 4 and 5-4. A
Armistrons : 3 . Alex. Dynes. Grade sicer, sired by pure-bred Shorthorn bull

Rest in wearoh ster. fera and extinited by "tian sh men in the stow-w. A. Wallace.





 Thay sow not heep one sect of cows for ore

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faculty of overwhelming all others with milk, but not so at ottawa. The Ayrshires took their in-
nings. James Bryson, Brysonville, Que., had
charge of the contest. The exhibitors were : R. R. Ness, Howick, Que.; The exhibitors were: R. H . McKee, Norwich
Ont. Arch Ont.; Arch Cameron, Howick, Que.; H. Sangste
Ormstown, Que.; H. Bollert, Cassel, Ont.; R. Herson, Billings'; Bridge, Ont.; C. Bollert, ${ }^{\text {H. }}$ T stock, Ont.; R. J. Kelly, Tillsonburg, Ont.; A.
11. Foster, Twin Elm, Ont.; R. Dowler, Billings Bridge, Ont.; B. H. Bull \& Son, Brampton, Ont. Bridge, Ont.; B. H. Bull \& Son, Brampton, Ont.;
E. Paradis, Cumming's Bridge, Ont.; W. Hurd-
man, Cumminy's Bridge Ont Awards: man, Cumming's Bridge, Ont. Awards


Ayrshire cow, 36 mos. and under 48 R. K. Ness, Founhead Swell (imp.) ...... 199.088
H. \& J. McKee, Scottie's Victoria
186.537 R. R. Ness, Moss Rose, ..................172.622 Ha Morer, Ayrshire heifer, under 36 months Arch Cameron. Moss Rose -............. 140.925 R. R. Ness, Moss Rose $\quad 137.739$ H. \& J. McKec, Scottie's Dandy 2nd...130.713
H. \& J. McKee, Scottie's Victoria 2nd. 125.405 Holstein cow 48 mus. and over
N. Sangster, Canadian Minto of Orms
.230 .599 H. Bollert, Eloise De Kol Netherland...229.751 Sangster, Pauline Posch 221.683
.211 .282
.210 .038

$$
\text { Holstein cow, } 30 \text { months and under } 48 \text { : }
$$ Sangster, Colantha of Ormstown...214.141 H. Bollert, Maple Grove Tidy Pauline 172.843 Holstein heifer, under 36 months

$\qquad$ . 187.282 . Dowler. May Pink 155.812
.124 .416 Shorthorn cow, 48 mos. and over:
A. H. Foster, Lady Morning Glory 148.900 Shorthorn cow, 36 mos., and under 488: 145.834 Shorthorn heifer, under 36 mos. : $\quad 124.043$

A. H. Foster, Dairy Queen | Jersey cow, 48 mos. and over: |
| :--- |
| B. H. Rull \& Son, Brampton Pearl.... 187.427 |
| 185 | E. Paradis, Tony of Belaire $\quad 1 . . . \quad 185.213$ E. Paradis. Rushton Daisl $\quad . \quad 170.295$ Jersev cow, 36 mos. and under 48 Bull \& Son, Eranca E. Paradic, Princess of Rideau Farm 148.483

Bull \& Son, Maud Idams. 148.016 Tersey heifer, under 36 mos.:
Bull \& Son, Brampton Fontaine Rose 140.996 Bull \& Son, Brampton Fontaine Rose. 140.996

Bull \& Son, Branpton Tady Georre. 124.899 . Eu Paradis, Pansy of Rideau Farm .... 90.021 | Gratle cow, |
| :--- |
| N. Sanster, Dora and over: |
| 223.089 | ie A. Heron, Rosalie 2nd

I. A. Heron, Blossom 3 rd
223.089
198.816
186.505 Grade cow, 36 mos., and under 48: $\quad 142.989$ Grade Heifer under 36 mos .
R. A. Heron, Tiny
I, A. Heron. Beauty 2nd
C. Bollert, Blackie 138.445 183.355
.175 .851 140.350
105.068 R. R. A. Heron, Floe

SHEEP.
The sheep exhibit was certainly the best ever
seen at this show, as well as the strongest numerically, the most remarkable feature being, is not as it should be. There are many high-
class flocks of sheep in the Ottawa Valley fit to compecte with any from Western Ontario, and it
would cortainly enhance the interest of all con would cortainly enfance the therest of air con
cerned wre they brought out to wrest their share I. Brien \& Son, Ridgetown, and L. Parkinson,
Eramosa, were the orily exhibitors of Cotswolds The exhibit was a most creditable one, Brien get Mram, in Oxford Ihowns, only two exhibitors were out Hrien \& Son, and J. Nee \& Son
honors in the Lincoln classes, Brien retting prac ically everything hurig up.
Awards in other breeds were
Leicesters.-Wether lamb-1, 2 and 3, A. \& W Whitelaw, Guelph, Ont. Three wether lambs Aown, Ont. Ewe lamb-1, 2 and 3, A. \& W Whitelaw. Three ewes under 1 year-
\& W. Whitelaw ; 3, E. Brien \& Sons. \& W. Whitelaw ; 3, E. Brien \& Sons. Shropshires-Wether lamb-1, ${ }^{2}$ and 3, J. \& ${ }^{\text {and }}$ Three wethers under 1 year-1, J. \& D. J. Campbell; 2 and J. Lloyd-Jones,
year-1 and 5, J. Lloyd-Jones ; 2, 3 and 4, J. year-1 and D . Campell. Three ewes under 1 year-1, \& D. J. Campbell ; 2 and 3, J. Lloyd-Jones. Southdowns-Welher under 1 year- 1,2 and 9 J. Lloyd-Jones. Three wethers under under 1 year-1, 2 and 3, Geo. Baker; 4 and 5 ,
J. Lloyd-Jones. Three ewes under 1 year-1 and J. Gloyd-Jaker ; 3, J. Lloyd-Jones. Dorset Horns.-Al Hampshires and Suffolks.-All prizes won by W. Lee \& Son, Simcoe, Ont.
Grades and Crosses.-Wether J. \& D. J. Campbell ; 2, A. \& W. Whitelaw ; 3, E. \& Brien \& Sons; 4, J. Lloyd-Jones. Thre
wethers under 1 year-1, A. \& W. Whitelaw ; w. \& D. J. Campiell ; B, E. Brien \& Sons;
 Fergus; 3 and 4, Geo. Baker; A. A. A. Waker
law. Three ewes under 1 year-1, Geo. Bampbell. SWINE.
The swine exhibit was exceptionally strong, the entries being more numerous and of better quality than in any previous year. Three of the leading breeders of Western Ontario were out with strong
exhibits, which, with the well-fitted entries of several of the breeders from Eastern Ontario, made a splendid showing. Major Geo. D. Hood, to all concerned ali the classes. Excellence of type and fitting was characteristic of the classes for export bacon hogs, and, while the bulk of the awards went to the Western was remarkably uniform, and changes could have wasily been made, and no harm done.
J. Featherston \& Son, streetsville; Brethour Nephews, Burford; A. H. Foster, Twin Elm Alex. Dynes, exhibitors in the class for three purebreds. Fourteen lots were lined up for comparison. The task of selecting the fittest was no easy
one for the judge, and required both time and one for the judge, and required both time and
care, the awards being tis follows : 1 and 3 , Brethour \& Nephews; 2, 4 and 6, Featherston; 5 and 8, Foster; 7 and 9, Dynes. or crosses, eleven lass came out in the grades Nephews, Featherston, Bradley, Dynes, W, A. WalNace, Kars, and R. A. Heron, Billings' Bridge, responding to the call, the result being: 1,3
and 4. Featherston ; 2, Brethour \& Nephews ; 5, Wallace: 6, Heron
Corkshires.-Barrow, 6 months and under 9-1 and 2, Jos. Feathersthe Alex. Dynes. Barrow under 6 months -1 and 5 , Featherston; 2, 3 and 4, Brethour: 6, Dynes. Sow, 6 months and under 1. 4 and 5 . Brethour: 2 and 3, Featherston;
S. 1 , hour: 3 and 6, Featherston \& Son ; 4, Dynes 3. A H. .Foster. Brien \& Son. Barrow under 6 months- ${ }^{\text {en }}$, 6 months and under 9-1, E. Brien \& Son Bedlow ; 3 and 4, W. A. Wallace, Kars; 5, Alex. 8 Son: 3 and 4, Alex. Dynes ; 5, J. ${ }^{\text {E. Brdow }}$ vallace.
Tamworths.- Harrow, 6 months and under 91 and 2, Alex. Dynes. Barrow under 6 monthsinder $9-1$, J. E. Brethour : 2,3 and 4, Alex. hynes. Sow, under 6 months -1 and 2, R. Reid ${ }_{4}$ Co., Ottawa; 3 and 4, Alex. Dynes. Grade and Cross-Barrow, 6 months and and 5. Dynes; 6, Heron. Barrow under 6 mos. 1, Dynes; 2, Brethour; 3, Heron; 4 and 5 , Veatherston ; 6, Wallace. Sow, 6 months and
under 9-1, IBrethour ; 2, Featherston; 3, 4, 5 under $9-1$, Brethour ; inder 6 months-1, J. J.E. Brethour; 2, Alex. Dynes; 3, Jos. Featherston: R. A. Heron; 5 and 6 , W. A. Wallace.

Thour. Best Export Bacon Hogs, any breed-1, DRESSED Cabcasses. The dressed carcasises were judged by Prof.
Gray, Hull, Que. Pure bired or Ciradi-1 Cattle. Alex. Dynes, ot

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|  |  | Baker, Simcoe : 2, Grades and C'rosses-1, Geo. Swine.-Thr 3. . W. Featherston \& Son, Sexport, bacon-1 and

Bretnour Manotick ; 6 and 7 , Alex. Ipnes ©. Geo. Bradle Three grades or crosses. -1 and 3, Featherston

\& Son ${ }^{2}$, Geo. Bradley ; 4, R. A. Heron, Billings' Bridge: 5, Brethour \& Nephews. erston \& Son. the other departments of the shorl had a fuli house. More than a hundred birds of the judges declared that every department one so strongly represented that one could scarcely say which was the strongest end of the poultry is beginning to be evidenced in the dressed-poul try exhibit, though much remains to be learned | There was a moderate-sized exhibit made of the |
| :--- |
| grains. The presence of Western Ontario | grains. The presence of Western Ontario exhibit

ors was fully felt. as they carried off a large part of the prizes. This fact further proves that the farmers of Eastern Ontario and Quebec have not
yet fully realized the practical importance yet fully realized the practical importance of good
seed. There was a noticeable presence of weed seeds and mixtures of grains in presence of weed
Eastern exhibits.

## Gallon Eggs

 who used same, we judge that the product must
be treated in such manner as to preserve the oggs.
form does not render eggs are sold in gallon ectionery and baking, but, as a ceneral rule it way. Indeed, we are told by those in the that uce business that these gallon eggs may be doubtThe fact that gallon egys were brought from Russia last year, past the great consuming country egg-producing districts, is indication our own must have possessed the inducement of cheapness and why would good egres have to be cold cheap nough to make this trade profitable? The mat-
ter certainly looks as thoukh it were worth vestigating, and Mr. Cunn's statements at Guelph
aroused a tremor of apprehension. This wa speedily allayed, in part, At least, hy the assur ment of these gallor at Montreal, that a shipfound unobjectionable. Now comes a despatch Prom Montreal, dated January 19 h, to the fol-
lowing effect valued at $\$ 75.000$, has been seized by the city and the Roard of Control ordered to-diay that mot
a single can must be sold in the city. The owners
 but if there is any, delay in removal, wery can
will be destroved. The seizure was made by Pr
Wcharrey Chinf Fowd


violent nature remultai it whout of
$\qquad$
$\qquad$
a sample

cept those which trace in all crosses to reg
animals in the country where the breed
It is difficult to believe that the framers this amendment could have been fully awar some of the breeds that will be most vollowing ar affected: Clydesdale, Shire, Hackney, Percheror and Thoroughbred horses; Shortnorn and Ayrshire
cattle; Berkshire and Essex swine, and many
breeds breeds of sheep, particularly Swne, and many
Cotswolds. Cotswolds.
It may be news to many that Canadian sti were established before there were such books in the country of orifin, hence many animals re and recorded in Canada at a time when there were no studbooks in which to record them in
the countries from which they came the countries from which they came.
established in Great Britain until 1877 was not Canadian records for that breed were established in 1870, and importations of Ayrshire cattle to Conada began as early as 1845 . The importe of Ayrshire cattle in the United States and Can ada is consequently not recorded in the Scottish tracing back to such foundation stock animals brought into the United States without the pay Take, again, the case of the Berkshires. The years before the British record, and consequat ten years it means that all animals imported before the
ly,
British British book was established could not be re corded over there. Now, the foundation of the
Dominion Swine-breeders' record is the Berkshire record and other early importations A good many Rerkshires have been brought from
the United States to Canada in tracing to this stock not recorded in the years Berkshire record. Only animals which trace to recent importations from Great Britain will, there
fore, if the regulation as amended terpreted, by granted free entry into the Unit States.
National Live-stock Records says.' "I Canadian much if ten per cent. of Canadian- "I doubt very qualify for free entry." And regarding Short horns, he adds: "Although our Shorthorn stand will be eligible for free entry. At least animals percentage trace to imported crosses not recorde

## College Short Courses

cereal short-course students have been occupying tural colleges. Everywhere staff at the agricul port the very best kind of a time. In Nova tendance or so keen an interest in all the work. 30 per cent. in attendance over last increas of of they
have had the acs and have ha the assistance of capable, experienced
nen outside points in their teaching, and
hava andor in their live-stock uork. At Guelph there have
been about 150 students in thenger been about 150 students in attendince. The judg.
ing, breeding, feeding, care and management of
stock has , stock has been fuis, care and management of
seed, the preparation of the land, the selection of ing, with the many other factors atfecting grain Why so few taking these courses? It honestly Hakes one's heart sitik to po through the country
and find such an amazine lack of knowledge on
these wery phases of auricuturat cern the people every day, and then which con-
300 take in a short course. The to the puction of the short courses must the the seoms hope that, in
Ontario. the comints Revpresentatices are going til

Want Vegetable Weights Changed
$\qquad$

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| affords to farmers and others every facility fur the trabanking business. |  |  |  |
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| SALES NOTES will be cashed or taken for ollection. <br> Branches throughout Canada, including Coronto, Hamilton, Montand Truro. |  |  |  |
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| MARKETS. |  |  |  |
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|  |  |  |  |
| cars, comprising 1,957 cattle, 1 hog, 567 |  |  |  |
|  | than they are being bought for at the present time. Prices ruled as follows: 1)rafters. $\$ 225$ to $\$ 250$; general-purpose |  |  |
|  | and agricultural horses, $\$ 150$ to $\$ 200$; expressers and wagon horses, $\$ 100$ to |  |  |
|  | S225: serviceably sund, \$40 to \$100. |  |  |
|  |  |  |  |
|  |  |  |  |
|  | 61 c . to 62 c. outside. Buckwheat- 47 c. to 48 c, outside. Peas-No. 2, 78 c . to $80 \mathrm{c} . \quad$ Barley-For malting, 57 c. to 58 c .; |  |  |
|  | 80c. Barley-For malting, 57c. to 58 c .; for feed, 50 c. , outside. Oats-Canadian Western. No. $3,39 \mathrm{c}$. No. 3, 37 c . lake |  |  |
|  |  |  |  |
|  |  |  |  |
|  | Flour-Ontario winter - wheat flour, 90- per-cent. patents, $\$ 3.55$ to $\$ 3.60$, at sea- |  |  |
|  |  |  |  |
|  | Hay.-Haled, in car lots, track, To-No. |  |  |
|  (1010 werm: |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| $\underset{\substack{\text { Sha } \\ \text { Cal }}}{\text { and }}$ | pound rols, soa sotor dariv, 2tec to |  |  |
| The above ingures of the combunal |  |  |  |
|  |  |  |  |
|  |  |  |  |
| 860 cattle, 27 calves, and 136 horses, compared with the corresponding week of 1910 | Beans.-Market steady, at $\$ 1.90$ to $\$ 2$ per bushel for hand-picked. |  |  |
|  |  |  |  |
| moderate. but a stendy delivery eacil day. |  |  |  |
|  |  |  |  |
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|  |  |  |  |
| and |  |  |  |
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Walt Whitman
Little Trips Among the Eminent.

| Walt Whitman is, perhaps, the most unique figure in modern literature Although contemporary, he can scarcely be said to have been one of who found inspiration and companionship in one another during the brilliant literary period of the last century. Apart he ran, as he wish had he wished otherwise, was the door very well opened to him, for, with the exception of Emerson and noted), he was repelled on all sides, held up as a vulgarian and a poseur Yet Walt Whitman has not been wholly without admirers-and he was to say, however, that he will never be universally approved. Popular taste, ever conservative, will turn and he will continue to be, as a critic has noted, appreciated by but the <br> He rew <br> Island, N. Y., May 31st, 1819, Long farm which had been in the family though the family moved to Brooklyn while he was yet but a child, the hills, and long sea-beaches and outlook upon the Atlantic, of hast birthplace were always interwoven home of his childhood became the "Paumanok" of his poems. All |
| :---: |

Island, staying with friends, and obtaining the contrast, the other side humanity of great cities, which also In Brooklyn the lad attended pubprinting office, and remained there for a fow years. At seventeen he write articles for the papers, and in 1839 he became publisher and editor
of a little paper of his own at Hunt. ngdon, which existed for aboul at the end of that time he entercul apon a time of "l loafing and invit
ner his soul." as he called it-a tim of apparent idleness and shif
ness which puzzled his friends.

writing. carpentering. printing-

## 

sea-shores, wandering about on lone
workshops watching throadway, in
talking talking to them, passing and re-
passing on the ferry-boats at Brop passing on the ferry-boats at Brook-
lyn, observing every where, and thinking out the philosophy which was
finally to be voiced in "Leaves of Grass.
In 1848 , he took a long trip throumb
the Western the Westeru and Southern States, as
far as New Orleans, and in 1855,
" Leaves of "Leaves of Grass ", appeared-a thin volume, with, for frontispiece, a pic-
ture of Walt himself in shirt-sleeves,
with a slouch hat tipped to one side, his arms akimbo. The resuit was not, perhaps, what
Whitnaan, after fifteen years of think ing and two years of anxious, fever ing and two years of anxious, fever
ish work, expected. The unusual
forn of form of the poem, its defiance of all
teneta of rhyme and tenets of rhyme and poetical beauty
as popularly accepted (the " barbaric as popularly accepted (the "barbaric
yawp," upon which Whitman really
prided prided himself), its untamed, unshorn thought, apparently "unsettling ", had done, while cutting loose alto gether from the refing taste alto quiet polish of "the master"-all
combined to call down upon the
author's head a storm of ridioule author's head a storm of ridicule and
criticism. His constantly-repeated "I," and "I, Walt Whitman," were the critics missing the point alto gether that Whitman, by his "I,' placed himself in the shoes of the democratic American, the " divine dreams whom he would see supplant
the old. Even the unfortu tispiece did not escape, but was pointed to as proof positive that was
author was but a common poselr Before long, however, drops balm began to fall. Thoreau although puzzled, gaveracy", willing and, pieces in the book which are dis-
agreeable, to say sensual. But I do not believe thaty been preached in this land that have gether, are equal to it for put to
ing."
Burroughs early champion, and ICmerson him-
self hailed the book as ./ The mot extraordinary piece of wit and wistributed." He also wrote Whitman you joy of your free and brave
your
thought I Thought. I have great joy in it.'
This letter Whitman's publishers per suaded him to have placed in the pref extreme annoyance, it was not moved when additions had been
made to which he could not but tald exception. As a matter of fact,
many extensions were made head covered with an immense slouc black or light felt hat, he would walk
about with a naturally majestic
stride, 4 massive model of ease and stride, u massive model of ease and
independence. I hardly think his style
of dress in hase of dress in those days was eccentric;
he was very antagonistic to all show
or sham, and I fancy he merely at-

An goes onwara
ing collapses.
ing collapses, important thing, and, for the sak tired himself in what was handy, clean, economical and comfortable." Such a man might have made an man believed all war was wrong He would not go into the fighting ranks, but he did enlist as volunteer nurse, paying his own expenses, and spend-
ing his great strength so assiduously in caring for strength so assiduously diers that his health broke completely down, culminating in a long at-
tack of illness, and finally in a stroke of paralysis, in 1873. At the close of the war he was given a Govern-
ment position, but was dismissed by ment position, but was dismissed by
the Secretary of State, who disapproved of his writings. Immediastely,
O'Connor, of Washington, took the cudgels in his behalf, attacked and writing, urged his vindication of the "Good gray poet." As a result, Whitman was given another clerkship, which he held until strick-
en down, in 1873 . The remainder of his life was spent in Camiden, N. J., where one of his
brothers lived. He had never married, and poverty now came to him
but his last years were che but his last years were cheered by
the visits of troops of friends, them many eminemt men from
abroad, for his work had been appreciated more and earlier in France
and England than in America. In
deed and England than in America. In-
deed, his most enthusiastic following has ever been abroad. He died his tasto and wisdom. us to doubt brave sincerity," a biographer has
writter written, and it is perhaps true that,
in reading Whit man, his defects strike us first-so strongly as to
blind against the strength which underlies, for whitman in many rhich spects was ahead of his time re
ours. His endless enumeration us; there is objection to be taken words uncalled-for use of foreign of his poems the rawness and bare revolt. But beneath all lies whitman the potit of Democracy, WhitHivine in everything and in every
man, hence
$\qquad$ all cannot have their counterpart
of on the same
The universe he looks upon as fluid,
ch to some erand end in which each
ondgrows strong.
trophes strengthen it. Through the
s developerlolubly united with it
andan and (t) mity make a
What and hamelv, to the true for only $\begin{gathered}\text { onf play marches for victors marches for }\end{gathered}$marches for
persons.
was good to

Vivis to those who have failed The worder is, always and always
how can there be a mean man mat an inficie

This day before dawn I ascended heaven,
And I saill to my Spirit, When we
become the enfolders of these become the enfolders of these
orbs, and the pleasure and knowl edge of everything in them, shal
we be filled and sat isfied then? And my Spirit said, No, we level
that lift to pass and continue be Underneath all are individuals
swear nothing is good to me no that ignores individuals.
 the greatest man or woman;
If it be e tew ragged huts, it it still
the greatest city in the world. Charity and personal force are the
only investments worth anything. I do not think seventy years is the
timee of a man or woman, that seventy millions is the time of a man or woman,
or that years will ever stop the ex istence of me, or anyone else.

0 the joy of manly self-hood Personality $y$-to be servile to none
to difer to none not to any ty rant, known or unknown,
To walk with an erect carriage, stop springy and elastic,
look with calm gaze, or with a
fashink eye, To speak with a full and sonorous voice out wi a your peraonality
coll the other personalities of the


Is reform needed? is it through
you?
ye oreater the reform needed, the
greater the Personality you need say nourish a great intellect, If great brain ; anything to the con
If I have said any
trary, I hereby retract it. Have you learned lessons only of
those who admired you, and were tender with you, and stood aside
for you? Have you not learned the great les-
sons of chose who rejected you, and
braced thenselves aganst you?
Or who treated vou with contempt, or disputed the passage
witit you
Have you had no practice to receive Have you had no practice to receive
opponents when they come? Pleasantly and well-suited I walk,
Whither I walk I cannot define, but $I \mathrm{i}$ The whole eniverse indicates that it Whe what it is the good. present indicate

## The Windrow

## The Beaver Circle

##   

 Bill's Questions.| At school we nicknamed Billy Clarke The Living Muman Question Mark. |
| :---: |
| You never saw a chap so spry |
| asking '"When?" and "How "Why?" |
| But chiefly "How?" That thi |
| Was not enough; Bill had to know |
| The inner works," we used to |
| Why, Billy studied how to pla |
| Wo knew a twist would curve |
| But Billy askod the teacher al |
| The reasons why; and after that |
| He threw some cur |
| We went, one Saturday, for fun, |
| To watch the roaring engin |
| At Holden's works. But Bill was |
| He chatted with the eng |
| And firemen all the atternoon |
| Of wheels and shafts; and prote |
| He made an engine that could turn |
| His little lathe and work the |
| I've met with boys who asked |
| uestions, just to talk; but |
|  |
| Went hand-in-hand with doing thinks |
| (rur Bill is building na |
|  |
|  |
| Last week, with "How's the |
|  |
| ughed |
|  |
|  |

like to join. My father thinks ". The
Farmer's Advocate" an awfully nien
$\qquad$ Easter holit
oo long.
Caistorvil
$\qquad$
$\qquad$
$\qquad$ Dear Puck and Beavers All, -Forgive me
if $I$ have written so soon, but $I$ could not keep from writing any longer, because
I must tell you that I have finished read ing must tell you that I have finished read-
mrize, "Tom Brown's School esting I found it. don't know how interticular subject to study in the long even-- abou

 ..... cesaro or




## every year. RUTH

Egmondville, Ont

-     - 

Soar Puck, Thits is my scocond leturest
the Beaver circte the w.p. b, but I home arst one tount tom Nive on a tarm about sixix multere

 other day imo to to to shol

My Pather has taken "The Farmer's Ad-
Vocate"
 Wo all think it is the best paper yet.
Now that the long winter evenings upon us, I, like (irace Amey, also think
that it would be nice to have some Tond of animals; I have two canaries
cock and a hen), called Ilick and Jenny cock and a hen), called Dick and Jenny,
also a dog. called Jip; a white Angora rabbit called Rab, and a little black-and-
$\qquad$
$\qquad$

The Red Squirrel $\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
the largest mischiel-maker. He is very
fond of playing tricks on his enemy-the
blue jay. I Iave come upon the jay and
the sairry
he squirrel having a big racket over
some acorns the squirrel had stolen. We
tometimes read about the
a good provider for the squirrel being winter. Now.
this is not altogether trus,
times runs short of truc, as be sume
No matter how fine a crop the chating. are, or how thick the acorns lie on the
ground, he atways tries to steal from the
jay or his cousin, the chipmunk jay or his cousin. the chipmunk, because
he ts a born thief. But the jay is as blg a thiet as the squirrel, so there is
constant war betwemn tho two. The
chipmunk generally chipmunk generally digs the tunneal to hi
storehouse so small that the red squirrn cannot follow. All winter he sleep the hollow tru
bed of leaves.
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


4. $8=$

over your head scolding and barhime
short, he will come up to the cornet

one, a pet. that
tree in the wood
Mo. studurimed the was maud
$\qquad$
$\qquad$
ss esting and instructive. would be inter-

Ianuatiy 26, 1911
Unique Gift to Birds. Everyone has seen birds and squirrels inta and all such things, but a certain
nuts,
mon man
makes a unique gift to his littlo feathered triends. Nearry every day he passes
through with a wad of cotton, and tears it up, scatering it bit by bit while the
birds gather round him. Not a single piece is wasted. As the little pieces foat
through the air, the birds catch them chrough the arp, arently delighted at the and fy away, ap baren
idea of tree building materials. $\rightarrow$ New A Game for Winter Parties. A good game for a winter evening,
eavy Children's Amusement Book, is "Nuts in a Tumbler." To each of your
guest give two tumblers or cups, in one
gution are eikht or ton nuts, and a




The Ingle Nook

## 



A Letter from Grandmother.

THE FARMER'S ADVOCATE

when lighted are sure to delight the chr dren. At each place, too, you might
place a small doll made of tissue paper. place a small doll made of tissue paper
which each child can keep as a souvenir do not think 1 should have a "irth-
day piee" (containing the birthday pres ents) if other children are to be invited
in, as the wee tots might, in, as the wee tots might, naturally, be
a bit covetous.
The home prosents, see, could be given when the party is
over, and all the little ones have gone soer.
over.
home
You You need not be in the least afraid
that such little tots will not have a good keeping them busy at such simpl want as blindman's buff, or London bridge. or "hot beans, come to supper," and they
will be quite happy. Children love the last. Show them some small object "easy" place. then send them all out of or on top of a door, or piano-anywhere the door and call, "Hot beans, come to supper !" All the children rush in and
look about, and each must sit down just who is longest in finding the "beans" is
loudly clapped. with This game may be played over and over I wish country teachers could find time
to teach childron



A Handsome Brick Fíreplace Wach meeting of any saciety whatever good for developing gracefulness, and
hould be friendly, warm, "human,""- exercising all parts of the body. cveryone willing to give someone else a
chance, everyone able at all to contrib-

$$
\begin{aligned}
& \text { Quilt Patterns-Spice Cake. } \\
& \text { Cook," Que., also sent a basket pat } \\
& \text { be pleased to receive some of the other } \\
& \begin{array}{l}
\text { patterns she mentioned. She also con } \\
\text { tributes a recipe for spice cake, which } \\
\text { she finds excellent: cup sugar. } \$ \text { cup, }
\end{array} \\
& \text { she finds excellent: } \frac{1}{2} \text { cup sugar, } \frac{1}{\text { cup }} \\
& \begin{array}{l}
\text { butter, } \frac{1}{3} \text { cup molasses, } \frac{1}{2} \text { cup milk (sour). } \\
\frac{1}{1} \text { teaspoon soda, } 2 \text { cups flour, } 1 \text { tea- }
\end{array} \\
& \text { - } \\
& \begin{array}{l}
\text { (From a paper read last fall by Mrs. } \\
\text { W. G. McBean, at a meeting of the }
\end{array} \\
& \begin{array}{l}
\text { Women's Institute, West Lambton.] the } \\
\text { Winter has come, "with wailing winds, }
\end{array} \\
& \begin{array}{l}
\text { Winter has come, "with wailing winds," } \\
\text { and lest the little ones in our care } \\
\text { should too much "feel the sad influence }
\end{array} \\
& \text { ways of amusement for the long winter } \\
& \begin{array}{l}
\text { By a wise use of leisure, even more than } \\
\text { hy diligence in daily toil, are people }
\end{array}
\end{aligned}
$$

rn immigrants come from the north rn lands; the Icelanders, though few in
number, taking a foremost part in the upbuilding of Winnipeg and other Western cities. These peoples have trans-
formed their long cold nights of winter Tormed their long cold nights of winter
into a real blessing,--a time of recreation of mind and spirit. All our arts and sciences are but outgrowths of efMany make lire easser and pleasanter. have come in leisure or play. A boy's kraphring was the basis of our teleinspired by the jumping teakettle lid to develop the magic power of steam; and was when "his listless length at had revealed to him the principle of
gravitation, the lenowledge of which is the foundation of much mechanical And how closely work and play are cinating, nor education so valuable, as that which comes to a child watching child of five years will, without weariwith his complaint, travel miles every day science, and being care-free in matl natural in all the beauties of nature. will delight
ing the ant and wise, so that and the bee, he becomes
whe goes to acher Iready has much he goes to school he and express teacher to help him classify healthy child of six yenvinced that a
can be made entirely sell-suppords a farm-and that without being an ob ject of pity either. I am sure many
are, only they do not receive the credit At a meeting of the National Counci of
tion was expressel at the fact that in
Ontario many children under 14, or even 12 years, were employed in canning fac
tories-shelling peas, etc. As they were kept long hours in stifing but surely, it was no worse than to be starving and homeless on the city streets
which sad alternative awaits many them if they are prevented from work
ing, -and I fail to see wherein they
would be better or happier herder would be better or happier herded in
dusty, crowded schoolrooms, in unsate requings, where they would be, perhaps,
reque their spelling fifty times, and be compelled to add long
columns of figures until they attained the speed of skilled accountants befor they would be permitted to read any-
thing more interesting than cat, rat hat. I once heard of a school teacher culprits write "I am a bad boy" (or
(yirl) and sign name, 10 , 15 or 20 time One day two boys broke some 20 tule, and
were sentenced to write their rume times : one was "Jo Day," the other The gratitude of millions of school children should go out to that queer
shabhy, and poor old German, Froebbl the founder of the kindergarten. It true he did not invent it-it has existed
ever since a mother played with her child-but Froebel gave the principles ex pression, and got for them a hearin from men-men who make the laws and
run the school whards Some generations back discuss crops and live meet and earnestly training of their children to the e.leoble intellects" of the women. How happ when such glorious twentieth century taught that "there is nothing so in lol portant or profitable to the world as the knowledge worth chidren," and also that pleasure," and so ardently were hith ter schools and homes, we see childre learning morals and manners, arts and
sciences, through the happy play. A Through the happy medium of wrote up a comical description of the spectacle presented by 30 or 40 middle-
aged school matams learning new kinderaged school ma'ams learning new kindergarten plays, such as "How do you do,
my partner ?
How are you to-day ?" $-2-=$
$\qquad$
$\qquad$

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clever little one, who went to schoo every day. A friend of her father spoke
to her, and began making inquiries about
her papa. She answered ten consecutive questions with the single word
"Uh-huh,". her manner being quite re
spectful all the time. Evidently she had spectful all the time. Evidently she had
never been told that the correct answer is "Yes, sir". The man did not anpear
to notice anything remarkable about it to notice anything remarkable about it.
Probably his own children also needed
training in manners Probably his own children also needed
training in manners. I am old-fashioned
enough to like enough to like to hear the "Sir'" and
"Ma'am"' from children tacked upon the No doubt many of you are in posses sion of that charming little booklet of
musical games, issued by the Bell musical "games, issued by the Bell Piano
Co.. SSurprised we see new beauties
rise." rise." in these old games of childhood's
days. "Here we go round the mulberry bush" is a whole course of domestic
science in a song. Our grandmothers played that, and what splendid house
keepers they becandmothers Who could preach a better temperance sermon than the song of "Old Dan
Tucker," who lost everything-partner and supper-because he got drunk ! It
we can impress it upon every boy that
decent people is, they will have nothing to do with him if he ". plays with the fire-(water)
and ". kicks up a dust," the temperBridge" was alwaya a favorite game with me. I used to suppose I liked the plaintive melody, but when I saw my awned upon my mind that " London Bridge", is politics. Each leader chooses a policy (or an article (of falth)), each war represents the election. Watch a
fow players-big or little-and you will see those who like to get on the winthey really like or not; also those who wn side, though and manfully for their Perhaps I $I$ should never have seen the allegory in the game had I not read Emerson's Essays, in one of which he states that large people are most intel-
ligent, balloting-the heaviest side to win! These are some old, old favorites in
childish plays, but there are many other old ones equally good, and new ones are
constantly being written and educational leaders. Closely akin by these are the drill, calisthenic exerclses,
and the ordinary dances most prudish cannot find Surely the little girls dancing together, or boys
drilling and stepping to music. Some kindergarten songs are lessons in ana-
tomy and hygiene, worthy the attention
of a medical expart is nothing equal to making and putting
on and of doll's clothes. She will
therem
$\xrightarrow{\text { thereby }}$ which is

## small wir otherwise

## otherwise fashionab

fashionable tailor Miss Dollie machine.
I would
use the sewing maching till sho girl tin
grown up, fearing she might break
great deal of work on the machine wit
infinite pleare
infinite pleasure to herself and profit t
me: and $I^{\prime} m$ acquainted wither me; and Cm acquainted with a sman
boy who was sure . What girls could d
he could also." and insigting he could also." and insisting upon ant
obtaining his "Man's Rights,", can throw the machine out of genr, and "make the
wheel go round so you can't sce it."
Incidentally, he sews pet rags. De some of you recall the sarcastic
speeches of the woman-hating old schacol speeches of the woman-hating old school
master in "Adam Bede"? I Cell yo.
there's not a thing under the sun than heeds to be done at all,
do better than a woman ! do better
a woma
of her
of her life, he hotter the oven the shortor
time. ${ }^{\text {II }}$ tell you a woman will your porridge every day
and never think of measur
portion of milk and meal and
portion of milk and menl
And as for cleanliness.
cleanmer than any house on

THE FARMER'S ADVOCATE


Sweeping and washing the dishes, Bringing the wood from the shed.
Ironing, sewing and baking. Helping to make up the bed,
Talking good care of the baby Watching her lest she should fall.
We little children We little children are busy,-
Oh, there is work for us all.
Most parents earnestly desire their children should advance rapidly a
school. Well, there is one great help every parent may give, and that is take an interest in the work. See whe Hans Anderson, AFsop and Mother part of each toxt-book your child is I I would not have any think that
studying, how much be gets over in a child ald week, a month, a year. Many will de- child should be kept always at study clare that as they have never will dedied play. Every child has need of a certa
some of the subjects their child
amount of silence and "aloneness," the some of the subjects their children learn, amount of silence and "aloneness," the
they cannot help them in any way they cannot help them in any way. Well, need thereof: and here lies a great ob
why not learn them now? if it is jection to the modern and worth while for the children, it is for jection to the modern school system
the grown-ups. Many eminent men have tender feeling and refined fancy d the grown-ups. Many eminent men have not thrive on the "Schoolhouse playing
entered upon new studies in old are entered upon new studies in old age.
But if you have not really time or in-
clination clination to actually learn these unknown sciences, you can imitate the phil-
osophy of Rawdon Crawley who osophy of Rawdon Crawley, who, when
little Rawdon would show him what part of the Latin grammar he was in in would look wise and say, "Stick to it,
my boy; there's nothing like a good eduxpected to work hard at learning what his father perhaps seems to consider not evening fire, or, as they sat by the A few years ago in this village there
ccurred at the entrance "exams." what


Fight Between Dogs and a Coug
$\qquad$
they may be so expert at? Wi. may
therelty evolve out of existence "the man"


THE FARMER'S ADVOCATE.



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

which will comply with the "Seed Control Act." I can save you money, because 1 buy from the grower sel direct to you. Also good
values in Alfalfa, Alsike, Timothy and all small seeds Let me know your requirements, and you will receive samples and prices by return mail. Special quotations to farmers' clubs.

JAMES HANLEY
Seed Merchant.
Belleville,
Ontario.

Cowan's
Cake Icings
If you had trouble with prepared Calke Ioing, it was not Cowan's
Even a child can ioe a cake perfectly, in three minutes, with Cowan's Icing. Eight delicious flavors. Sold everywhere. where
The Cowan Co. Limiled. 80

THE F'ARMER'S ADVOCATE


| Attention |
| :--- |
| Paid to the Mechanical Construction |
| of the |
| Cream Separator | You buy will save you custly repairs

As handsome as the best iron fence
at less than the cost of cheap wood
 dish, yet how few is a veople know commonon
cook it in order to ratain kow to bring out the full flavor. First have the
stoak cut in koud thick. are never good. Now have the plices
stroking hot. and put in enoush hits suet to make a little greas. When these
are crisped, put in the steak.
ine very part has come over. searing unto tontact with hly until the outside is anher very

ANUARY 26, 1911
The Garden of a Com muter's Wife.

Chapter vili.-Continued " But I suppose you still expect t
un wild as you did when a gii never troing in the kitchen excep
when you wanted something, and when you wanted something, an
spending all your time either管 young women-I never wasted my
time in such idl ing-or else listening time in such idling-or else listening
to some inposter's tale over at the hospital, or crying over the funerals of ragged sieer extravagance, and it's a wo w
man's duty to surprise the kitchen a odd hours
things amiss operation, the only way in which twice two make five, and some hmes ven six or seven and as to findiag And what we look for ; consequently, as I don't wish to find things amiss, shall never look for trouble. Wn with a horse, cow and garden nd a man, should we not? ". Certainly,"
and farher must still have kept "I I suppose so."
Then where is the extravagance of hree women and two men when wa
ive together ?" "That's not the way to look a When two families live in one ouse, it iss, else why do it ?", she added triumphantly
moder Aunt loot she has always argain sale, a debit and credit ac
ount, with material loss and gain her only standard, at least until she arried the Methodist minister; and
then I verily believe the gain that empted her was holding domestic "I think you aro mistaken," said, swallowing nyy wrath, that
is the sort of family combination that fails and brings discredit upon he word. Co-operation is the havy
ng more of everything ", (I was ing to say . love, but I cannot
ipeak that word before Aunt Lot). heme hiee, leisure, books, and al was hastening things to boot", toxplain, also, that Martha Corkle was an accident,
ort of after-thought in our but before 1 could speak, Aunt Lot
was again on the trail. "The most objectionable feature you've the house is that woman
yourted. She is a most offensive person. Iast night when
I went into the kitchen to chat with Selia and Eliza, kitchen to chat with
hey wero them hrw of things-by the way, I think Eliza is greaily wondoed and depressed
at beiny set down from the cook's
$\qquad$
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# EATON'S 



JANUARY AND FEBRUARY SALE CATA LOGUE places before you hundreds of useful articles nostly daily needs - all priced most surprisingly low - all SPECIAL VALUES of the kind that has made this Great Store famousall specially secured for this Sale in such enormous quantities that we ob tained unusual price concessions. Remember-this big selling event last February 28th only If you have not received a copy of our Special Sale Catalugue, write for one to-day and take advantage of the values we are placing be-

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2500

\section*{| TRY THE EATON |
| :---: | :--- | :--- | :--- | :--- | :--- |
| MAIL ORDER |
| SERVIGE |}


| now what you'll do for jellies, preserves and canned things this winter I can't imacine. There is a very worthy woman in our town who puts up such things for sale. I might order some for you if you like. I suppose you'll be putting in a great matiy improvements-a hardwood floor in the best parlor, perhaps, to plush curtains. You must have had a cood many wedding presents I've never seen <br> Thank you, but I do not need preserves and such things. We all preier fresh fruit and vecetables, out always be bought at the market in town. I do not see why I should make any change, except little by father, as you see. has had a lovely | rosy paper put in this room and giv- en me all the dear old mahogany that was mother's. New brass beds? No, I detest them. I like the feel- ing of being surrounded and having my toes tucked in, instead of poking them between the bars as a canary does his beak. "As to hardwood floors, father has them under ban, for in a year he has traced two compound leg frac- tures, a broken arm, collar-bone, and an obstinate case of water on the knee, to polisher floors. Besides, very soon there won't be any best parlor. It's to be our den, with plants and only the lightest of frilly muslins at the windows, and fresh mating under the rugs. In fact, I'm going to banish all carpets as soon as possible, and have thickly- lined matting and rugs everywhere." | your ways already, and don't wish my advice or value it, said Aunt as if to go, quite in a huff. " but one thing more I must free my mind of. You'll find your hushand will get many a hard cold coming up in those hot cars on stormy nights, besides losing business by never meeting people in the evening <br> Evan belongs to a club where he has a room that he can use, when weather or necessity requires, I anam afraid my voice shook <br> Humph! I shouldn't have expected that he would have laid plans to deliherately stay away from you so soon. <br> father's, and Evan : The plan was |
| :---: | :---: | :---: |

it because I urged it. No woman
should try to live the country life if she is hysterical and makes her hus please, this talk must stop, and never be renewed. I hear Tim
bringing round the As I went to the horse. bag and the packages containing her virious belongings, I saw that she thing back and evidently had somethe really painful visit to an bring asked her if I could do anything for pered : he hestated, and then whis-
"' Would you show me your new clothos? I've a great deal to fix over. Uncle diant buy a trousseau, as charge at the time of ourgiag his Have you anything tasteful in hats? Being at the head of a parish, and going to teas, cake-sales, funerals, The for quite a change t last was almost too sudden. breed strife ! modest store-a London tailor my some dainty waists, an outing gown. the hats. Hats a fur jacket, and the hats. Hats have always been
one of my weaknesses. You can express so much in a hat calls for flowers, and it requires very a wasto of time. the cutt seems such cloth into more or less fantastic shapes, and then pricking it full of
holes with a needle holes with a needle.
Poor soul! how
handled the headgear, picked she puffed out the bows and flowers, and
laid each down with a sigh ing over a girl's soft Alpine felt ing over a girl's soft Alpine felt
whose only decoration was a band
and buckle. and buckle. Aunt Lot is rather of way, as if the fire af faded sort stant and, as she thinks, righteonindignation had had its searing efShe hung over one puffy little big pink rose set squarely in front, murmuring her desire to try it on, as, if it became her, I might let her
copy it, of course, in cheaper mat rial ! An inspiration! I immediately offered to give the thing to her, promising to add strings to brightness of the rose with black tulle-all the work of a few minutes. hat accepted the gift with alacrity but resented the strings as too heat, ing, also the hiding of the rose, sayHow straber liked pink effort of so many well-meaning only men to keep young is by dressing the way that most accentuates thei that soften the face, by either cover
ing the forehead with ing th

## fat artificial pompadour ! The doorstep was reached at last



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stable is complete without a system of overhead tracking it for handling stable is complete without a system of overhead tracking in it for handling
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catalogue explains these fully, and it you will send us your name we will be pleased to mail a copy of you will send us your name and address,
feet of track you will require.
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The following King's Printers'
All the above are bound in the Best French Morocco, Yapp Edges, with
round corners and red-under-gold edges.
retail at all booksellers
and the packages stowed away the rockaway; I breathed mor
freely, but no there was a freely, but no, there was a last word
and it was not mine. With her font
on the on the step, Aunt Lot turned say: Now, Barbara, when Delia mar
ries at Christmas, you'll doubtless have difficulty in getting a waitress This commuting business, with early
breakfast and late dinner, breakfast and late dinner, and the
dishes to wash up at goodness.knows what hours, isn't popular, and you'll what hours, isn popular, and you'l
have trouble. But if you'll let me,
I can get you a good young woman I can get you a good young woman
from our town. She is strong and she has never lived out so she wouldn't expect high wages, and I might keep her a few weeks
without pay to help me without pay to help me out, and
counsel and train her for you." At this juncture, from some cause
known only to Tim, the horse grew known only to Tim, the horse grew
restive, and I had just sufficient selfcontrol left to cross the piazze, enter
the house, and close the door without banging it; then I flew up to the attic, followed by Bluff. who had
been in hiding behind of the study been in hiding behind of the study
sofa, as he had never forgiven Aunt Lot for once beating him with her
parasol, his only whipping as far as I knew, when he had given her a too affectionate greeting on
from making state calls. Ouce in my retreat, I closed the
door and lay on the old lounge pant ing; I romained there, saying thinge ed enote a time, and finally recovered enough to take my outlook seat Oh, the soothing whisper of out doors, evel when the voice comes
from leafless trees having a clearer more incisive tone than that of
dense leafage, and the pines dense leafage, and the pines and
spruces come forward and keep up a full accompaniment like the lapping
of waves that is unheard at
earlier season earlier season.
As I looked out, I realized a fea-
ture that I ture that I had never before noticed
The evergreens, so old that they had The evergreens, so old that they had
lost all Christmas-tree stiffness and
taken easy attitudec hal taken easy attitudes, had been so
planted that, as the elms and maples plost their leaves, they seemed to dis-
lopper into the appear into the draperies of these
sturdy trees, and be replaced by them. So that on hill, grass slope
or flanking of whing the walk, the furry green
of phite pines, or the fretwork of spruce and hemlock barred out win-
ter desolation, while the living green in the form of younger bird-sown
seedlings of the old trees crosses the woodiy pusture until it blends with
the sombre tone of the native red
cellars that gather round the

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The Strongest, Staunchest Fence Made

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"The Farmer's Advocate "The Farmshions.


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measurement as required. Allow at least
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## GOSSIP

Jersey breeders' meeting. The annual meeting of the Canadian Jersey Cattle Club will be held in the Board room of the Toronto Street Railway Company, corner Church and King streets, Toronto, Thursday, February 9th.
at 1.30 p. m. The Board of Directors will meet at the
Walker House, at $10.30 \mathrm{a} . \mathrm{m}$. , Thusday, Walker House, at 10.30 a. m., Thusday
February 9th.
The Directors will submit a new Con The Directors will submit a new Con-
stitution and By-laws which they have stitution and By-laws which they have
oonpiled, and hope there will be a thor
ugh discussion.
Duncan, President: R. Reid,
last call for linton's sale.
The Gossip notes on page 74 , in our January 12 th issue, and on on page 123 in
our January 1 lyt issue, give interesting our January 19th issue, give interesting
information regarding the breeding of the
oldestablished Shorthorn herd of willian oldestablished Shorthorn herd of William
Linton, of Aurora, Ont., to be dispersed
by auction, on Wednesday. February 1st. Linton, of Aurora, Ont., at the farm on Yonge street, north
Toronto, on the Metropolitan eluc
railway. These catule are descendant: railway. These cattle are descendants
the renowned sherif Hutton herd
Mr. Iinton's father, founded over eight years ago, which produced as many
Roval winners and sires of Royal win-
ners as any other in its day, and sup-


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co.io wellunton ste tast roromsto

DRAIN

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REAL ESTATE.

Joseph H. Marshall, London, Canada.




 times daily on grain reed ginger three
with teaspoonful doses, and gradually

## Miscellaneous

CLYDESDALE REGISTRATION ale horse with three registered crosses a
ou please tell me whether this filly could
ould
registered?

GOSSIP.
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HOLGTEIN - BRFEDERS' BANQUET
J. W. Richardson, Secretary Bange
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$\qquad$
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TRADE TOPIC
mine hundreds, with monthly

JNUARY 26, 1811
QUESTIONS AND ANSWERS. Miscellaneous.
local telephone battery. In a rural tolephone company, where there is no central, and the same time and in commumication acertain instrument bo-
thoo bateries in a
come sent, do they draw electrical power come spent. do they draw ececrical power
from all the other batteries on the line?


Ans.-This question can be answered by
angle "No.," but it may not be amiss Ans. "No," but it may not be amiss
single "explain briefly the reason tor this an-
to to explain brieny the reason for this an-
swer. $A$ drawing will aid in underswer. A drawing will aid in under-
standing the answer. The figure shows stwo telephone stations on a rural line mithout any central. $\left.\begin{array}{c}\text { Each instrument } \\ \text { consists of two parts, a transmitter and }\end{array}\right)$ consists of two parts, a transmitter and
inective you have looked
into the mouthicece of your telephone into the mouthpice of your telephone
some time and wondered what was in-
side tion noticed something dark in
yon some You noticed something dark in
side
oolor. It you were to test this with
 thin sheet of iron, called a diaphragm,
in deseribibing the telephone.
$E$ in the ndescribing the telephone. E in the
nure represents the diaphragm. Just
 chamber containing powdered carbon. ©
reprosents the carbon chamber. The back wall of this carbon chamber is another
metal phate, D. B is the batury. Note that one side of the bat ery is connected
to the diaphragm, E, and the other side to the back plate., D, but you will ob-
serve that the wre leading to D is coiled serve that the warevenich runs through that
at
coil it in coil is a pieco of sott iron. The wiro
does not touch the corn, but is in-
fulated.
You will
noto that there is sulated. You will noto that there is
another coil, S. around the other end ot
the solt bar. This coil does not touch the core either. You will see, theretore.
that the batery wire has no connection
with hen alter wiras and theretore ond ROUP IN TURKEYS ave a turkey hen that has a swelling under each eye, seems smart and hoarty. count of the swellings. Ans.-It is very unsatisfactory attempting to diagnose these poultry diseases With the scant information usualy suph
plied. The one symptom given is an in mired. The one symptom given is an in
dication of roup, which causea a sweling iication of roup, which causes a sweling
under the eye or between the eyo and nostril, no other symptoms being usually noticeable. The bird may eat and live
 tagious. A leading turkey-breeder says:
I I o not believe there is any sure cure
for it, and I beliove for it, and I believe I have saved myself many a turkey by killing and burying the
fow that have been aflicted in my flock
as soon as as soon as it made its appearance.". We doubt whether we can give better advice
it in doubt whether the disase is roup
or not, separate the ailing bird from or not, separate the ailing bird from the rest of the fock completely unt
have had a chance to make sure.

## Veterinary

bog SPavin and thoroughPIN. fed about 8 lbs . oat chop and bran daily, one-third of the mixture being bran, and day. The other day I noticed it slip and fall while running and playing, and shortly afterwards I noticed what ap pears to be a bog spavin and a tho oughpin.

1. Was it the high feeding or the slip that caused the puffs? 2. Would you adwise blistering, or win
the puffs disappear without treatment?
 Ans.-1. The trouble was, doubtless,
calised by the slip and fall.
The grain ration was probably a little strong for
a colt that got exercise only every a colt that got exercise only every seo-
ond day, and would have a tendency to predispose to trouble, but the slip was certainly the exciting cause.
2. In many cases a spontaneous cure occurs, but blistering will hasten absor
tion and tend to strengthen the synovi tion and tend to strengthen the synovial
sacs. I would advise blistering once
monthly as long as necessary. In many monthy as long as necessary. In many
cases the pulfs reappear after an apparen
v.
$\qquad$
$\qquad$ by a wagen drawn by two underfed
looking horses. The driver seemed in



Please Mention The Advocate OF COMMERCE

$|$| 1 |
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| $n$ |
| $n$ |
| $n$ | The forty-fourth Annual Meeting

Shareholders of The Canadian Bank
Commerce was held in the banking
on Tuesday, 10th January. 1911,
o'clock.
General Manager's Address. The General Manager said in part:
We have pleasure in presenting you wit
a statement which is in many respect a statement which is in many respe
a culminating record in the Bank's tory. The past year was remarkab
for a large volume of husiness and ge
eral prosperity eral prosperity, which justified our pr
dictions when last we had the honor
appearing before you appearing before you. At no time du
ing the year was there any apprehensic
lest lest we should fall short of our es
mates. The trend of business, uniform
satistactory satisfactory profits, and comparative free
dom trom losses. make it possible to la
before you the result dom from losses, make it possible to la
before you the results of our operation
with great confidence and a full assun ance that they will meet with your ver
cordial approval. The profits
s1 $\$ 1,838,065.04$, an the past year wer
as compared with thense of 8327,37 as compared with those of of
year-being 18.38 previon up capital. This result was the patainat
after making a careful after mak
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and doubt
In accordance
tion, $y$
dend to
called
are gratified a payment of of annuum, whic
anour.000).
spective prosperity justifiesent and pro
tion of a larger return on

coming year.
You were good enough to pass
lution at the last annual meeting author
izing the grant of $\$ 200,0100$ an an
Tor a Widows' and Orphans' Fund, and
this sum. with the
$\$ 30,000$ towards the regular payment
counts for the 850,000 chan Frund.
profits for this year
we are plensed and actuarial exaryinati
to adopt a comprehensive scheme to


best interests ofl the Moch
kuarded since its cunk.
are providing establishm
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## The add. an ...



|  | E FARMER'S |  |  |
| :---: | :---: | :---: | :---: |
| 932 boxes in 1903, valued at $\$ 21,500$. 000 . One great departmental store col- lects direct from the farmers sufficient milk to the several cheese busy. <br> Successtul as the year has been with ing conviction that this part of Canada is at the moment and of neglected o portunity, largely owing the easy succheap lands and virgin soil of the West While many thin necessary $\qquad$ that in no part of Canada can a larger intelligence employed than here in Ontario. We have one of the best and most famous <br> wherever <br> farm and his <br> those <br> amples $\qquad$ $\qquad$ $\qquad$ <br> are doing much good, but <br> is of a mu $\qquad$ $\qquad$ by visits paid <br> Province <br> wing to give advice, gradually to break <br> the farming of our fathers, which $\qquad$ $\qquad$ pared with not knowing. aring form $\qquad$ $\qquad$ <br> many things <br> mous difference <br> fashioned and up-to-date farming, <br> stay on the $\qquad$ $\qquad$ <br> But actual results $\qquad$ <br> orchard in 1909 \$100 $\qquad$ <br> produced in $\qquad$ $\qquad$ $\qquad$ <br> was $\$ 974$ $\qquad$ $\qquad$ $\qquad$ $\$ 2,1$ $\square$ <br> $\$ 1,890$ net; $5 \frac{1}{\frac{1}{2}}$ acres produced $\$ 2,237$ gross, and $\$ 1,720$ net: $1 \frac{1}{2}$ acres produced $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ <br> return $\qquad$ $\qquad$ $\square$ <br> made $\square$ $\square$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\qquad$ $\square$ $\square$ |  |  |  |

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Get the Most Chix
own conditions. The hen sitting on the ground is still, on a small scale the most successful hatcher. But she can't hatch 20 or 30 dozen eggs at a time, cockerels that are ready for market at off seasons, when prices are hiphof The most successful Canadian poultry raisers therefore use "P Suate Incubator because it $p$.
success with her little setting.
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out of incubators.
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40 years of square dealing at stake.
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the tray. There are no cold or hot spots.
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supply of moisture to every egr. brings out big, strong, healthy chick An even supply of fresh air, free from lamp fumes, is provided, greally
increasing both the hatch and the vitality of the chicks. Thus Gunns Prairie State Incubator supplies so perfectly the conditions
of natural hatching that it not only brings out a very high propolion GUNNS UNIVEKSAL HOVERS
 With lamp. lamp caver
and amoke couductor $\$ 7.00$

## 40 Shisprbsion sale of 40

THURSDAY, FEBRUARY 2ND, 1911


FRANK R. SHORE, WHITE OAK, ONTARIO.
MAPLE-sYrup Makers, read Thlls!

QUESTIONS AMD ANSWERS.
Miscellaneous.
BRITTLE FEET-RUPTURE. 1. The fore feet of a five-year-old mare
are getting very hard and brittle.
2. Colt sevea months old has a small 2. Colt seven months old has a small
rupture between rupture between the navel and sheath.
rlease advise treatments. F. L. C. Ans.-1. Moisture, applied by means of
wet cloth bandages, or by standing th thres inches of water, is the best means
of softening the hoof when 2. This may disappear as the cot
grows older. If not, a truss should b used, buckled around the body, with
pad placod over the rupture to press it
up and COST OF BUILDING building 4o feet long by of building 20 feet wide
part of it to be pither yard for cattle to run in? the rest

1. How many loads of stone will
, take to build foundation 10 feet high
allowing for one large door in shed an
one small one small one in pigpen; also four o
five medium - sized windows? Stone at
20 cents mer lot 2. How much lumber will it take, in
cluding sheeting for root, building to be 9 feet high on stonework, lumber at $\$ 20$
per thousand? it take, and what is the of shingles will square?
Ans.-1. A
SUBSCRIBER. building $40 \times 20$ feet and say 18 inches in thickness, allowance beling made for doors and windows, would require about
5 cords of stone, or, at four loads per
ord, 60 loads. 2. Assuming that there will be a floor inch lumber at the level of top of
stone wall., there would bo required for such foor, for siding and for sheatting
ino foet of inch lumber. In this esti-
$\qquad$

Consumption


Dr. Stewart's
Pure
Condition Powders
MAkES STRONG, HEALTHY STOCK
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 Large can sars. 5 cts. PALME
prepaid. Send ory
$\begin{gathered}\text { prep } \\ \text { erinary booklet. }\end{gathered}$
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ast, I have again decided to offer direct it purchaers of Canada, in quantities to mp. Am. Banner, Regenerated Eazner
and Dew Drop. These been grown and handled by myself, ar
pure and clean, and urther particulars, samples and price
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ells hic crown wire an
Sels his $\begin{gathered}\text { Grown Wire and Iron } \\ \text { Fences and Gates at }\end{gathered}$ factory prices; also barbed, colled and free catalogue.



FARMERS!
J. H. Holland, Centreton P.O.,On

PLEASE MENTION THE ADVOCATE.

QUESTIONS AND ANSWERS
Miscellaneous.

HON. R. L. BORDEN'S RELIGION
R. I. Bortlen, the leader of the "1
sition, belong,
ins.-Church of England.
SIZE OF PUMP CYLINDER.


what larger than ther pipe, say th.
Chree inches.
SPIDER'S EGG-BALLL

## $\underset{\substack{\text { G. } \\ \text { spider } \\ \text { a spece } \\ \text { spinne }}}{\substack{\text { an }}}$ <br> abdomen: in form ing and

ing and attractive
with regard
not give you directions which are sur ".
prove satisfactory.
then hectieved then
apon each other until the survivors
large enough to pursue. the. metheal apturing their food which is practiced come in. I have bewn kiving them car in captivity will tive aconsiderath) timen chanke. Is there any use of kenpeng on
 WINTER FEEDING OF TURKEYS
AND GEESE. 1. What is the propar kind of grain
leed, and what quantity. for curkrys du
ing the winter monthe. that it is ne are contagioused aborotion, as as it
is unusual to find a number of cases com-



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TRADE TOPIC.



BUYING MANURE A
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'Ine Heller=A11er Co., WINIDSOR, ontario.

Get Moneylalling womercan 量


Please Mention
this
Paper.

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W. W. Young, P.O.F., 258 Temple ST, Spiligfietd, Mass,
A. A. PALMER \& SONS Orleans, R. F. D. I9, Beldir
Ionia Co.,Michigan. PERCHERONS



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 I have imported Percheron Stallions for years
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sweepstakes and gold me blacks, three to four beautiful dapple-greys and
years old, weighing i, ,8oo to , ooo Ibs.. with feet and
legs that cannot be beat, beautiful heads and necks. the kind that good buyers are allow, if I can belp it,
not intend, and I will not a not intend, and
any one to give more quality breeding for a fixed price than I will. JOHN HAWTHORNE, Simcoe, Ontario.


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Rxoorteri of Pedtzree Ltve Stock of $=\| l$ D. uncmand anmen
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 ? $\begin{gathered}\text { Glenburn Stock Farm } \\ \text { A ew wiec Shorthorn calvesot }\end{gathered}$
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Quebec.
Shorthorn Bulls Kichmond mill, intario. ${ }^{\text {J. }}$ W. RUSSELL
trade topic
tleven-monthtsold bull bof cutt tomers. Have one real JT fibson. Menfibld. ontario Storingorns anu leicele
 Station Douslas, Tuscarora, Ont. Coledoni Imp. Scotch Shorthorns - then looking
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Therefore to get rid of these akin diseases it is absolutely neceasary that the
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| :---: |
| "James, can I trust you with the key | of the wine cellar? (stiffly)-"Certainly, sir

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While the much - exploited clay
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Nowtario West are inviting investigation and the tracting attention on the part of agricul.
lurists trom the older-settled po ur Iominion, as well as forreign lands
ond Hec pact is otten overlooked that in Weal ern and South-western Ontario are large
quantities of choicest arable lands cultivated, offering splendid opportunities whose minds are being directed to to more Of no part in Canada can this be more
ruly and emphatically statod than ot peninsula joining the county of Essere
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nain. Winters are milder Th northern. latituders; show miller is
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but make possible tho maintenance of a Therefore, the tundsrcy to smalle ing, thus presenting ample onportunitie dessiring to arquire comfortable home
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