## PAGES

MISSING

##  <br>  <br> *AGRICULTURE, STOCK,DAIRY, POULTRY, HORTICULTURE,VETERINARY, Home CIRcle.

Vol. XLIY

> When the Butter is streaked, you may be sure it was not
> Wad 11 d 0 I Dairy Salt
> that was used to salt it -for Windsor Salt gives an even colour.
> All grocers sell
> Windsor Salt.

CHOICE DAIRY STOCK FARM FOR SALE






 R. S. Stevenson, Ancaster, Ont. H. C. Baird, Son \& Co.


Brick and Tile Machinery. Yard Supplics Write for Catalogue "ARKHILL, ONTARIO. ATER TERM OPENS JAN. 4th.


IONDON, ONTARIO, FEBRUARY 4, 1909



Champion Evaporator


Not a aingle feature of the CHAMPION EVAP
ORATOR could be dispensed with. The simplest


 ${ }_{58}$ THE GRIMM MFG. CO

Corin That Will Girow Buy your secd corn on the cob, and avoid um
certanty.
Hand sel
Hected
Candian-grow
 J. O. Duke, Ruthven, Essex Co., Ont.

## Learn Telegraphy








## Cow Comfort



Champion Cow Stanchions Polished steel bars. Malleable a nd Self locking.
Give freedom to cow Absolutely safe.
If you are putting in
a set, see us first a set, see us first
IT PAYS TO MAKE YOUI IT PAYS TOMMAKE YOUR
COWS COMFORTABLE. Ontario Wind Engine \& Pump Co., Itd., 100 Men Wanted


Columbia Hay Press Co'y, kingsvilie. Ont.
I Cured My Rupture Will Show You How to Cure Yours FREE



Free Rupture - Cur Cart is. A collings,

Satertown, N. r

## Water! Water! Water



A FAIRBANKS-MORSE GASOLINE ENGINE
a pump and a few feet of pipe will supply you with water from the nearest pond or
fiver. periencing another water shortage Over $\mathbf{7 0 , 0 0 0}$ users.
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THE CANADIAN FAIRBANKS CO., LIMITED montreal. st. John, n. B. Toronto. Winnipes. Calgary. Vancouver.

## TO FARMERS!

Oats offering for seed, in limited quantities, as follows: zoth Century Oats, Six-rowed Barley, Mandscheuri Barley, Golden line Peas, No.
29 Field Peas. The No. 29 peas are good length of straw, very pro29 Field Peas. The No. 29 peas are good length of straw, very pro-
lific, and mature about 10 days earlier than common field peas,
W. P. Niles, Wellington, Ont.

Grower of Seed Peas and Beans


SUBSCRIBE FOR "THE FARMER'S ADVOCATE AND HOME MAGAZINE "


## Nitratetafof Soda



| "Hitch up" to "Frost" Fence "Tandem." It will pull Big Business your way. And you desire more money. $\qquad$ that class, here is your are in opportunity. "Hitch 'p" to the will "P'ull" big' sales your way. $\qquad$ $\qquad$ for hig big with the en last year. The fence absolutely Woven Fence provision contraction. <br> The second ho: $\qquad$ Frost Wirl: Fixcor: Co., I, maten, ILamilun, Ont. FROST " FIELA R (CT1:D Manitoba Froet Wike Fence Co., Limited, Wimipeg, Man. |  |
| :---: | :---: |

# The Farmer's Ndvocate <br> Persevere and Succeed. and tome Nragazine <br> Established 1866. 

Vol. XI,IV

## EDI'TORIAL.

Get the Manure Out Now.

There is a difference of opinion among farmers manure is spread on the fields in winter. when hilly land, and in a broken winter, no doubt a rather considerable proportion of the more sol-

uble portions is washed away. To minimize this uble portions is washed away. To minimize this
loss, some farmers deposit the manure on the loss, some farmers deposit the manure on the the spring; others haul out and stack in deep after the snow goes off. Where time permits, this is an excellent way to apply manure on corn and root land; but time doens not always permit, and the method of leaving in small heaps is open to the objection that they hold the frost long in spring, not only delay ing the spreading, but sometimes retarding the plowing or other cultivation of the land. Then, too, the spot directly under pared with the remaining ardu favored, as comhaps, is better than to have the dissolved ferhaps, is better than to have ther
tilizer carried away to the river.
$\qquad$ opinion. Whatever is done with the manure, it should at any rate be gotten out of the yard in winter, and cither spread on the field, left in small heaps, or stacked conveniently for distribution with the spreader in spring. On level land
it is doubtless best to spread at once thereby completing the whole operation at one stroke in the slack season, and having the manure in good rondition to incorporate readily with the soil.
If spread on sod that is to be spring-plowed for corn, the waste will be minimized we incline to favor piling and distributing with the spreader, where a spreader is available, othermg frozen through, will be proof against seromfermentation and leaching until they thaw out, which in most sections will seldom occur until spring.
However the manure is handled, there will be some waste. When left in an open yard to fer-
ment and leach, the wate of fertilizer is consideralle, and the waste of time much greater, though, tramped and worked ower by hogs, the loss will not be so preat. The problem is how to handle the
manur. coonomicall. and secure quick returns While consurving, so far as possible, the total winter hauline, at least, and, in many cases,
winter sureading, as well. will be found the best

Eastern Ontario Winter Fair. wetting to them, Ottawa is entitled
when largest winter fairs in the Dominion.
of live stock and farm products, as

I,ONDON, ONTARIO, FEBRUARY 4, 1909
animals and products of superior quality. Grad- though we are not iniormed that it was pasteurually an interest is being aroused, and, with the ized Assuming that live hogs were worth $\$ 5.50$ donald college, just across particularly the Mac- per cwt, and meal $\$ 1.50$ per cwt. (which is, perary, in Quebec, after a few years, it is to be cording to this experiment, would have a value hoperd, as preat enthusiasm may prevail as is inclination of winter at Guelph. At present, the horse many seems rather to tend towards and various tional features arre absent purste, where educa
The Eastern Ontario Winter Fair must develop on distinctive lines. It must be something more than a reflex of the preceding event at Guelph. part a large percentage of farmers in the Eastern dairy of the Province are engaged in dairying, the milking compatition be emphasized. Already, able interest. Might it not be enlarged by offering liberal and extended lists of premiums for milk and butter-fat production, with cost of feed themselves: whil) Other features may suggest dairying should be on the lecture programme should like to see the programme more thorough ly adapted to Fastern conditions, and not so much of a repetition of that previously rendered at the Ontario Provincial Winter Fair. An echo an earlier event makes a poor drawing-card. It must be admitted that the management have had little encouragement in the past from the people they were endeavoring to serve, but it seems to us that, by breaking away from the winter fair. adapted to Fhastern Ontario type of tions, a larrer attendance might he secured, the resulting interest and onthucincm will do the

Feeding Value of Whey and Whey
Fat. results of an experiment conducted last summer at the Ontario Agricultural College, to ascertain the feeding value of the butter-fat in the whey re1. That the feeding value of good sweet, cleanflavored whey has been commonly underestimated. 2. That the whey loses about one-fifth of this feeding value when the fat is shimmed off for makins whey buttor. or is allowed to accumulate and float as a stinking mess on top of the whey in the factory vats, to be afterwards thrown away.
burings the season of 1908 , the Dairy Depart-
$\qquad$
$\qquad$
$\qquad$ the Inimal Hushandry and Farm Iepartment, in charge of lrof. (3. F. Day, carried on a series of
experiments to ascertain the relative feeding alues for hogs of whey containing an average of

A Moderate Opinion and Prophecy
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## the Farmer's Advocate

and Home Magazine
the leading RICULTURAL
DOMINION.

The william Welin company (Limitrd)
john Weld, Managrr

2. THE FARMER'S ADVOCAT
is published every Thursday.
te is impartial and ind $i$.
HOME MAGAZINE It is inpartial and independent of all cliques or parties, handsomely

in Canade
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WHEN A


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h. CHANGE OF ADDRESS. - Subscribers when ordering a change
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WR INVITR FARMERS


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intidis paper should be addressed as below, and not to any
indidual connocted with the paper. Address-THE FARMER'S ADVOCATE,
The william weid company (Lnetted)
$\qquad$ which patrons should not lose sight. The whey
will be worth less for feeding. The constituents of whey that make it valuable for feeding are the nitrogenous substances, chiefly albuminoids, which .28 per cent., and the ash, sugar, etc.. averaging 5.8 per cent. While it could hardly be said that the iat is the most important of these, yet it is of considerable consequence after all. It has usually been claimed that, while butter-fat is
valuable for feeding tutes, such as starches the were cheaper substi take its place in the ration. While this could to a considerable extent, wet experienco is true that when we attempt to substitule the proves tirely, young animals do not digest their food well nor thrive as they should. A small percent age of fat in skim milk or whey adds greatly to its feeding value, especially for calves. In this connection, we are reminded that, in the or
dinary whey tank, much of thic fult scum, that simply forms stinking nuisance, afterwards thrown away. How ever, where the whey is heated, us it should be year, the fat remains in the wher and it this feeding value is' obtained. made by skimming
it at 20 cents a pound
the whey unskimmed would be worth 7 cents that wt., which is a low estimate. One thousant pounds would amount
$n$, it is probable that this oprese op o, it would mean worth
value of the whey-butter made shoulthird of the
epresenting loss to patrons in the
of the whey. It is possible the to
be as much as this if fed to well-gro
calves."
1 received dictionary all right. I am
pleased with it. I think I can secure some mo.
new subscribers.
WALTER WATSON

## New Life on Old Farms.

ife and operations, often complain of our conservatism. Yet, changes-yes, revolutions-in practice do occur, but with deliberation, and they are tremendously real and important.

Quarter of a century ago, Bay of Quinte, Ont barley had a great name, and many growers made ready money shipping it across Lake Ontario to the States at a dollar a bushel. But the price dropped to $80,70,60,50$ cents, and lower, and became a losing game in more ways than one, for onstant cropping was draining away the life of the soil, more deeply darkening the outlook wi every passing year. When the McKinley 13ill, d signed to protect the American farmer, became a went up that the last nail was being driven in the coffin of farming in many a county, but it only meant the pruning out of a detrimental and dying branch of the business, and the develop ment of a system that meant life and produc ivity. Instead of death, it was a resurrection

The County of Prince Edward furnishes a fine example of how the process worked out. Cheese dairying, with its adjunct of hog-raising; the production of canning-factory crops, such as to apple-s, sweet corn, peas, beans and berries, and applied, with characteristic energy, steadiness and intelligence, in the successful pursuit of prosper ity. To-day, with an area very much less than one-third that of Middlesex Co., Ont., Prince Edward has some two dozen splendid cheese fac tories, many of them equipped with up-to-date cool-curing rooms, commanding a premium price for their cheese; an immense export irt burrels of which the lower grades are dried, and eleven can ning factories, several of them the finest in the world, and two others on the border, largely sup. plied from the county. These busy establish ments are not all centralized, but well distributed among the villages, towns and rural districts, so congested. of boxes. Incidental industries, such as making portation business by rail and hout remunerative employment of lubor, lanking, the store business, have all been promoted and local ing use of farm of county roads for the increas are moderate in size, and the system of farming pecialized or intensive. The coarse grains thed are chien. fed. . . .
Saturally, the successfully-conducted canningfactory business is a most interesting feature of
the activitios of the county, and has helped to five Prince Edward the reputation of being one informed farmers credits this industery and besting lifted bay of (2uinte farming from "under the hatcon and he desienates Wellington Roulter soms hav daddy of the husiness, with which his back in 1sixa. Piston, he county smatys, then three Lrwat istablishments-11 Bumber not f. C. Miller \& Co... and The Olat homenstad In prosperous bloomfield, a few milns west, there aro e Farmers' Co, and A. 13. Salor of Cos ming Co.. the Wellington Prachime laksite and a third may be in operation wis aras
where a second one, opwate by Church 13ros., burned out last year, had been in operation, making eleven in all, in addition to the Miller \& Co. factory at Trenton, and the Queen City Canning Co., at Belleville, which though not actually in the county, are largel supplied from its farms. About one-half of thes establishments have been acquired by the cuna dian Canners Limited, and the others are inde pendent. Heretofore, two of the largest amal gamated factories made their own tin cans, bu hereafter, for all in the organization, the cans will be manufactured at the big consolidated facory at Simcoe, Ont. When we consider that one good-sized factory employs hundreds of hands or many months in the year, especially when the pack extends to sauces, jams, apples, poultry, etc., and the outpay for produce and wages ranges from $\$ 25,000$ to $\$ 50,000$ each in a season, and the number of cans of wholesome foods put up uns into the millions, the magnitude of the in evelation in approximately grasped. is a ne of these industrial hives, like The Old Home stead, constructed a few years ago, of modern, hollow concrete blocks, with cement-floored storage, and every facility for safety and excellence of output, covering acres of ground-space. Mr. Amos H. Baker, the manager, is, by the way, this season undertaking, on a farm leased for the purpose, the production of crops for the factory, beides those contracted for

[^0] rops makes autumn a particularly busy season ork ehich it has been demonstrated that minch proves profitable can be accomplished ons wielding labor and skill, but it pays well, $\$ 200$ per acre. Then amainon return of $\$ 7$ hat this class of farming fits in fairly well wit aluath, soct corn and other by-products being aluable for feeding purposes. Not only is the ure purswed has ars ing the shicul of knowledge. Those who, by reason af range cotion of their farms, or for other causes, have cluding dairying and the supeneral farming, rcharding, have malized reflox benefits from nning industry

Allowing for the rapidly-increasing activities I Canadian mining, lumbering and railway conris regular items in the bill of fare so freely used steadily-growing towns and settlements Conse who express a caution to the effect the ar present packing equipment of Ontario is probably and that it is entrely in the nature of a iudicious ganization, which notl umbraces some 'amners' or-
$\qquad$
$\qquad$ plaisance in their dispowed to look with com
$\qquad$
$\qquad$
$\qquad$

Classes for Cheese and Butter Cows. communication to "The Farmer's, Advocute." ex
presses, or, at all events, implies, dissatisfaction with the basis on which the milking competitions
are conducted at the Winter Fairs at Cuelph and are conducted at the winter Fairs at curliph and should be taken into consideration in determining the standing of the cows entered and sub mitting a calculation, based on data, as to cost
of feeding, cited from a report of the sit. Iouis Fair Board, of 1904, all of which represents the single Jersey entered at ciuclph in Wecember last as achieving 9 cents greater prolit in butcer-fat
production than the champion Holstein cow of production than the champion Holstein cow of
that exhitition. Without dwelling on the un that exhibition. Without dwelling on the un-
certainty of computing a cow's profit on the estimated cost of feeding an entirely different cow,
should, in justice, be pointed out that an item
15 cents. or thereabouts, should have been al buttermilk obtainable from the yield of the cham pion Holstein over the Jersey in the test in question, thus transferring the balance to one of six
or eifht cents on the side of the other cow. This is saill not in disparagement of the solitary Jersey entry, handicapped as she was by odds of simple regard for the facts of the contest, accord ing to the official results. Were cheesemaking, and not buttermaking, the end in view, the Hol ing ; but, even in buttermaking, skim milk has a value that should never be ignored. Twenty sweet skim milk.
We thoroughly agree with our correspondent however, that amount and cost of fecd should be and, though perhaps not practicable, it would be desirable to have an authenticated account of the feed consumed for, say, a week previous. It is
a question, further, whether there should not be a question, further, whether there should not be
two competitions, one from a cheesemaking and one from a buttermaking standard. The present scale of points is a compromise which scarcely making than the cheesemaking standard. It allows 25 points for each pound of butter-fat, and
3 points for each pound of solids not Looking at the matter, first, from a butter standpoint, valuing butter-iat at 25 cents a pound cwt., then, if 25 points is a fair cradit per pound of fat, 24 would be about a corresponding credit for each pound of solids not fat. From a cheese-
maker's point of siew, if 25 points were a fair credit for each pound of fat, 6 points would be
none too much to allow for each pound of solids fione too much to allow for each pound of solids
not fat. This ratio is deduced from the " pernot fat. This ratio is deduced from the " per-
cent-of-fat-plus-two " method of calculating the value of milk for chesesemaking, making, in value of milk for chcesemaking, making, in
addition, a triffing (perhaps not a sufficient) allowance for whey solids
udged as butter-producers skim ior cows to be sidered at feed value, and one for cows to be compared as cheese-factory propositio

Scatter the Seed of Progress. ting their subscriptions renewed for nothing but a litule trouble, in many cases very little, by securing two new names at $\$ 1.50$ each, sending these, labels marked forward one year. Others send one
late labels marked forward one year. Others send one
new name, at $\$ 1.50$, being thereby credited with six months' advance on their renewals, sending 75 cents to pay the balance. Thus is the good seed scattered. Help to spread more of it in
your melghborhood. Send two new numes it your nulghborhood.
sible, one at least.
it was ated that the estimated number of farm ers in: Anada in 1901 was $471,88: 3$, and in 1908 ,
$575 .$. 5i5.... It was also estimated that $3,319,516$
pers...
for


Free Trade Not One-sided.
 Wr... "rade is sided liree Trade," but, in fact,
Ir. Mr. Moys would stand up straisht against a true
pumb, he would find out that it was himself that Free trade is just in principle, and, for the
most part, the nearer we get to it, the better for all. But ahsolute free trade in all things is not drsirable. For instance, Great Britain has a
feretrade policy, yet she has a tax on some of
the lumria the luxuries, namely, wines, spirits, tobacco, and
also a tax on the income of the rich. Mr. Boyle seems to be afraid of direct taxation. Mr. We have Cirect taxation in our township matters;
not have it in Dominion matters, as well. would then know what we paid to keep up the Government, as it must be kept up by some method or another. Protection benefits ithe few
at the expense of the many, and if protection is such a hiessing to the United states, as Mr.
Boyle states, why did both Mr. Taft and Mr. Boyle states, why did both Mr. Tatt and Mr.
Bryan promise revision of the tariff during their Bryan promise revision of the tariff during their
campaign for the presidency, and why are Mr. Carnegie, Mr. Hill, Mr. Johnson and many others calling for lower tariffs? Nearly all the great
manufacturers are calling for lower tariff or recimanufacturers are calling for lower tariff or recithe fallacy of their policy, which was simply trying to make themselves rich by taxing themselves. how the farmers of Canada could be benefited by Parry Sound, Ont


Farmer's Interest in Home Manufactures.
Editor "The Farmer's Advocate":
In reading the letters, 'Who is the Tyrant ?", and "A Kick from the Cow," issue January 7 th one who is not politically biased may be led to
think that issues are not fairly set forth. Mr. think that issues are not
Beer plausibly states. ." Perhaps I can give you a case, and I will endeavor to make it so plain
that he who runs may read. In buying the Tothat he who runs may read. In buying the To-
ronto machine at $\$ 125$, the $\$ 25$ duty goes into the pocket of the Toronto man, and he will have $\$ 25$ that he never earned. If the farmer buys the Chicago binder, the $\$ 25$ duty will go into the Dominion treasury, and will benefit all. The
farmer, of course, will be out his $\$ 2.5$ in either case statisticians inform us that one half of the
arice an article sells for is paid out as wages. price an article sells for is paid out as wages. raw materials to manufacturing plant, cost of
sale. etc. Quite a proportion of the $\$ 1 \approx$, is sale. etc. Quite a proportion of the $\$ 10$. is
paid out to the laborer. skilled and unskilled, and
it would he interesting to know exactly the
facturer; how much he gul for imt.... on capi
tal; how much for wear and tear. han fur for repreciation in buildings; for protertion; msur work; how direction of labor and worry of financing. that $\$ 125$ were paid to the Chicago man, all hands of citizens of the United States into the for all the items mentioned above. "He who runs"
sometimes thinks that the $\$ 125$ may be better placed in the hands of Canadian citizens. The home market is of great value to the farmer. The $\$ 125$ gives employment to the creator of the are paid better than the ones employed at unskilled work, and can afford to pay a higher price for choice butter, eggs, meat, fruit, etc., and it is
to this class of customer that the skiled looks for a higher price for the products of his skill. The mechanic, the heads of educational, manufacturing and mercantile establishments, the doctor, the Cabinet Minister, the lairyer, and so if we all highy-pace laborers.
facturing to be done in foreign countries manuproportion of our intelligent countries, a great men will go to such foreign countries, where their abilities will meet with larger returns. We do of water," be the "hewers of wood and drawers fed Some of the talk about the "rich men being led on pap." and of the "worm turning on the trade country man who cannot live in a free made country is not worthy the name of a man, "Play the Game." asing a sporing pha will not will not be invested in industries that refuse to buy our fainished products, which is what
is proposed when a high tariff is addopted shal is proposed when a high tarifi is adopted, shall
we be satisfied to sell only those articles which require the least skill to produce, and which receive the poorest reward for production? policy, the arguments of free-traders would be more readily accepted. (ireat Britain has made rapid strides under a free-trade policy, but the United States and Germany have made greater
comparative progress under a highly protective policy. It seems necessary to fight tariffs with the same weapons. Capital flows to where it
receives protection.
JOHN NEWTON.

## Active Meeting of Farmens' Club.

The annual meeting of the Brant Townshin Farmers' Club, held on January 12 th, showed
that, although it was asleep a few months during the busy summer, it is yet as live as ever, and perhaps a little more so sudging from the
enthusiasm displayed at this meeting, the future success of our meetings will be more pronounced than ever. It is becoming apparent that enter
prising farmers are feeling the necessity of more prising farmers are feeling the necessity of more
co-operative work. The co-operative buying of seed is only one of the many advantages that will result from organization in a farming community. We, as farmers, have been partially asleep to our own interests, and are only begin
ning to get out of our stupor. We are beginning to see wherein we can improve ourselves, and it will be the purpose of our Club to help to bring about as many of these improvements as we can.
Since organization, on March 6thy 1908, six meetings were held, and many important matters discussed. The interest manifesterl by those present was always sufficient to keep the meetings
from getting monotonous. The progressivefarmer is always willing to learn, and takes an interest in similar meetings, because there is a circula-
tion of ideas. He feels that activity is tion of ideas. He feels that activity is life, while
inactivity is death. Last spring our neighborhood bought its seed corn and clover sced on the co-operative plan,
and the prospects are the same will be done this Experiments in fertilizers were conducted by Hfferent members, some showing good results,
thers none at all, and stable manure will still ee used as a fertilizer. Tabing the year all hrough, and considering it being our first year we had a very sucressfull year, as a Club.
The old oflicers were re-elected. Mr. Player
the wnlkerton of the Walkerton Creamery, addressed the meeting,
with a view to startine n cow-tosting He distributed a number of pamphtets- Pbulletin
 associations- and cxplained the advantage of
knowing just which cow paid for her fead which would which to he classed as her feed, and
He mentioned a boarders He mentioned a large farm in Cuubber where he was
at one time emploved that took al laily test of every row in the herl. Therw were atways about
250 cows. and anv con proolucine locs than Two papars "were given. was by A. F. Wahn amount which enes into the pocket of the manu- wns "Fntertninment in the Hom.". We said

Tor home, which is most desirable, and a lack
this is the curse and death of a nation.
It als
this is the curse and death of a nation. it also
kept the different members of the family, at home.
kept the difirent members of the tamily at home,
and the social interourse pronoted a love and
respect for each other. Ry keeping the famil respect for each other. Ry keeping the family
at home, it kept them out on mishict This, of
corse, was nore applicable to town homes. Encourse, was more applicable to town homes. .
tertainment at home was kept under the super vision of the parents, which was not possible wit entertainment sought elsewhere. It became
source of culture and refincment. Enitertainment source of culture and refincment intertainment
that instruct, ns well us cmtertain, should be lected, but, unfortunately, the instruction part is not always considered. It is not gencrally know
that character is greatl) inlluenced ty the manney that character is greatls inlluenced by the mannes
and spirit in which entertaimunents are carried on Every ention ton, whe her pood or bad, that is
aroused in the course or a game truls to strensth aroused in the course of a game tonds to strength
en tiat particular emotion in character. When en that particular emotion in character. Whe
 then, is a gooil reason why we should think a good and high thoughts.
are the thilders of our character. and the kind of character depends on the kind of thoughts and emotions. The question of how to keep the boy on th love for home and farm life. Farming cun be
made interesting, and a love for farm life can be The study of nature was referred to

1 to actupation the bot
love The study of nature was reent of to
tom plank in the development
life. Get your children inter
its many branches. and you wi
to keep your boys on the farra
to keep your boys on the farm. entertainment, and two common classes were readd ing for instruction and for amusensent. The ques.
tion of what to read had to be unswered hy tion of what to read had to be answered by each
individual himesti, depending on what he desired
to make of himself. If he desires to become man of no account, he can read novels and other
light stunf; while, if he desires to become a mant
 Exercise of our mental faculty strengthens it. habit of getting a story-book as a present for a
youngster was said to be a waste of money; better get him a book on the study of insects, plant lif
or hirds etc. It would do more towards making good farmer than all the stories published Soine good farming paper should, of course, Mr. Rowands, in dealing with "Entertainment
in the Club,." said that everyone could assist by in the Club," said that everyone could assist by
being present and taking an active part. must be a sort of central station, at which idens are switched round and exchanged. Ideas ary
things that cost nothing, and py kiving to your neighbor you are doing him good and yourself harm; you are making him your dehtor, and in
that way benefit sourself. We should encourage asking and answering questions, as this orten 1ecl
up to
other important branches of the subject up to other important branches of the subject.
Recitations and readinys should lio encourngect as they helped the faculty of expression. Iratated
too must not he mental faculties into action, sharpened the per ception, and were a preat source of information
poth to the debaters and the nudience. lot depended on the president in selecting son jects, and men to present them. Subjects of live interest to farmers should be chosen, Aiter all
has teen said, the sucress of the coub devends of
 is no reason
creasing val

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tainment Comn
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or to specialize on a

Complete Substitution for Milk Fat Unwise
 its own num ritive value, but partlo in that it it
itroves the digestivility and batance of the whin? conomy of sulstituting starchy and suyary for butterfat in the ration of calves and pies,
that there is $a$ tendency to deperiate the peculiar yalue of the natural iat as a foocl for vount
 wise to abstract
wise to abstract
whey to be fed
oint is that, whil
nd vegetable fats or (ils mas profitully
Hace of MOST of the milk fat, the canol "ylly
words ono-quarter pier
skime mike is dout tess wort
shan half as much as double


Canadian Registpation of Tho oughbreds.
$\qquad$ They may be economically substituted in ppart
$\qquad$
HORSES

Flooring Horse Stables. terials of which stable floorste are commonly made. Of the three, a good clay or earth floor is un Coubtedy the best, providing it could be kept and leveness of surfice it is frooid for ther horses to stand or lie on the soil "tselfy if the
soil is dry, und not reeking with thlth or soaked
 answers fairly sutistactority
stable requr or ordinary stable requir ements it is far from heing what an
ideal floor ought to bo
 distance ahove the eround. Whe in danger of the
horsms brombine throuth.
$\qquad$
$\qquad$
The usefulness coming morernass apparent buth to the owner and porter of Thoroughlreal stock, as well ar
IVominion of Canada at large Member Society now extend from the Allantic to the cific oceans, and the past year of 190 has show,
in the matter of registration oi stock at (1tulus.
 that the Thoroughbred Horse society is only sis
ond to the Clydesdale Horse soocict. The country that depends upon its native hroed of horse, without frequent crussing of the Thor oughtred horse, will never hecomn prominent as a
producer of the light horse for dirinink or suddul purposes. A cross of the Tho coushtrred whood is
the backibone upon which thl the hill of horses must huild if in thane lighter hreeds hor place as a horse- -remeding coumtry, as sho is
ent illed to do Conadians should hilvic enound national spirit in them to support the Cannulial can register, for is small fied their Thoronglured
 wIIJAM Hevorlem.

Rapid Growth of Milk-fed Colt.


and a little expying
nce along that line eri-

gil we it the hop
nteas, but have not
seen anything yet.

his only tiar to



 vally increasing ${ }^{\text {was geting }}$
tuarts
tuarts meal.
 lil it was getting dout two table poonfuls per meal.


FARMER'S ADVOCATE
To Improve the Horses

| Despite constant warnings th actice of using low-grade rposes, and of crossing breed sponsible for inferior horse Cada. For many years, M rses at fairs in all parts of ort time ago he returned, p through the West and in Br Asked his opinion regarding the horse industry, Mr. nada by a persistent mixing n starts rearing colts ould not change, unless he e, continually change de $\qquad$ <br> the light breeds are deplorab blemished. $\qquad$ uld mathe use of these. Canadians are well e and proper conformation. Short courses ses. If every farmer would take advantage ding 10 the teachings of those who have made tudy of horses, there would soon be a gr nge for the better in the class of horses shows. |
| :---: |

LIVE STOCK.
Another Ventilation System.
In replying to your inquiries about ventila
tion, I would say that my stable is ventilated by
means of two large galunizediren wind ridge of barn, the fresh air coming ientilators on inch tiles at top of basement wall. The temperature is regulated by means of a trapdgor in hay chute, and also by the door leading up into
the barn, which can be left open or shut; when the barn, which can be left open or shut; when
the doors are all shut, the foul air rises and finds
its its way through thes openings, and passes out through the sentilators on the root, and if I
wish to do so I can open the trapdoor and wish to do so I can open the trapdoor and stable
doors, and the fresh air will come down from the ventilators and air the whole stable. If too much closed up by woong in through the tile, they are is do not consider this an ideal system, but it is a long way better than none. I have gone
into stables in this neighborhood sometimes on warm, damp day in winter, when the air was almals to breathe this foul atmosphere for months If I go into my stable and find that there is a smell of foul air. I immediately know that someair, and open up my ventilators. Ins.ERSFIR

Stable Walls and Floors



Piggen Plan.
In your issue of JJanuary lith a subscriber asks for a plan of a pigpen. I am sending you
plan of one I built in the summer of 1908 Which is giving entire satisfaction. My pen is built with scantling frame south, as you will see cement-concrete foundation. Walls are set o oarded on north side and both ends, with building paper between; south side is single-boarded, inches of cement; inside walls are double-borded with half inch hemlock, with building paper be tween. There is joist cight feet from floor, with south side, with eight lights of $10 \times 12$ glass in one window in west end. There are four venti lators in north and south sides, $2 \times 4$ inches. trance to yard T. trough v-shaped bo. 2, encement : P 1 , post for swing front, set with inch slant over trough, which causcs front thent swing over trouch: P' 2 , door post for dividing
pens : S D 3 sluch door ior wheribarrow, $\frac{1}{} 1$ 1. three foet-high shipping with with elevated gankway outside : i) 5 , doors for dividing pons and closing pigs in bed-place when cloaning out Is thedplaces W WR Woven-wire

## Wet high, which lets sumbikht strike wireet on

 \& 1 inch crantlines. sit on cdee. We have chut owe each bedthlace for lefting down bedding Wewt wide: centor or feorline anartment, is frept


## THE FARM.

## Shingle-roofing Pointers

I notice that sometimes you have queries garding shingles and roofing, and garding shingles and roofing, and I thought

would give you my views on the shingte for what they are worth. Shingles are ordinaril Sold by the thousand, and the standard size is 4 inches wide, but nowadays nothing is said mensions are important factors ind these two diiceable or useless article. Most farmers who size of the mill to buy will be able to tell the choice of what is ofiered mainly from the stand point of price, and the most intelligent seem to have the hariest of notions as to what constistandard size was is inches purpose. The old together to equal 24 inches, and a few mills are still cutting that size but the tendency is to drop to 16 inches in length, and six butts to 2
inches, which makes a big difference to the mill man, as he saves timber, labor, and last, but mot least, freight, and the farmer, still buys by the
thousand and pat thousand and pass the same price, and does not and then he finds it out a-plenty. A shingle action of wind a roof, but is worn out by the and it of wind and rain on the exposeal suriace and the shorter it is is the less the thinner it is at the weather line to hold, and there is the weahest place. The difterence does not seem so greup are, and then figure out the diferencerhaps elmount in the two pieces. Just for the in the suppose you are measuring the two sizes, what point : 5 inches from the 1 -inch shingle, at a just inch of timber, and on the 16 -inch have have 9-32 inch, which gives you a difference of just about 25 per cent. more wood in the heavier article, and a great deal less than 25 per cent.
ofter spells the diference between satisfaction and
dissanticfaction dissatisfaction. of the reasons for the spread it seems to be one that seems so prominent in your advertisinc roo umns. After you have decided on the size of shingle you need, then the next essential is the way it is manufactured. A roughly-cut shingle wtir never give good service. In the first place,
it seems to have the power to draw the plater up under the weather line by capillary attraction and the fuzz in dry times is a harbor for sand and a
vantage ground for mosses the edging must or ought to be carefully done so that. the butts are a little be carefully done points. If it happens that the butts touch, and the joint above is wide, the joint fills with leave or other debris and starts a rot; where, if the
butts were open the stuff would wash out and
be carried be carried of the roof. And for that reason, the shingle that is edged by a wheel-jointer is a bet
ter article than one edged by a saw, for the ter article than one edged by a saw, for the
wheel planes smooth, while the saw makes When you have your thecide whether you want to paint them, or not hecide whether you want to paint them, or not,
hefore they go on. If you want a goo: job, dip
vour shingle in any of the ndvertised stains, and see that it is well done, and let dry paint and expect satisfaction. There is an't mint and expect satisfaction. There is no paint kood results on a roof after it is laid. and I have often remarked that the better the paint was, the worse it was for the roof, and the rea-
son is not far to seek, as the work is very often
done in the one in the heat of summer. when the wood is ot and dry. and it drinks wh the oil of the

 it breaks through the joints onto the shingle be low. The wood being dry and free irom paint,
absorbs the water. which soaks down to the absorbs the water. which soaks down to the
weather line, there to be met by the wall of oil weather line, there to be met by the wall of oil
soaked wood. The water must stop where it is until evaporated, and so it runs for three or four years, and then the butts start to break off and come fluttering down, and the water come owner that "s shingles are no good," or at least
shingley used to be. give as good results as any roof I know of, but a painted roof, or a roof made of those skimped and pinched little pieces of wood, will never give satisfaction, and they will. I think, eventuall put the public from
sizes and qualities.
I know of a roof near here that was shingled
nearly 30 years nco with nearly 30 years ngo with basswood, pine, cedar the basswood seems to be lasting just as well as any of the others, and the roof is still weather would recommend basswood as a material fo shinger that is only one test.

## Valuation of Fertilizers

 Trade values of elements of plant-food in ravmaterials and chemicals are given in Rulletin materials and chemicals are given in Bulletin No Experiment Station The figures given corre spond to wholesale prices in New York State for the six months preceding Narch, 1908 , plus abou 20 per cent. in the case of goods for which ther The values given are

Nitrogen in ammonia salts
Organic nitrogen in dry and fine-ground fi
meat and blood, und mixed fertilizer Organic nitrogen in fine-pround bone
tankage
Organic nitrogen in coarse bone and tankage Fhosphoric acid, water-solub
Thosphoric acid, in fine-ground (reverted) .... Phosphoric acid in cottonseed meal, castor pomace and ashes course tish. bone and
phosphori: acid in cours Phosphoric acid in mixed fertilizers, insoluth in ammonium citrate or water
petash as high-grade sulphate, in forms irm Prtash, as high-grade sulphate, in forms irec
from muriates (chlorides), in ashes, etc...
$\qquad$
$\qquad$ may be regarded as consisting of the followin lemenwixed trade materials (2) cost of mixing (3) cost of transportation; ( 1 ) storage, commipad debts, ete. While the total cost of a ferti ommercial valuation includes only the the olements entering into the total
is, the retail cash cost in the market
$\qquad$
$\qquad$ aluation does not necessarily have any relation to crop-producing vatue on a given farm For a
particular soil and crop, a fertilizer of compara
fivel tow commercial valuation may have a highe ngricultural value, while, for another crop on the bur rep chlut ating commbuciat Multiple he MLUE. add to the product the figures represinting the
percentage of available phosphoric acid and of pot ash. The sum expresses in dollars and cents the approximate commer
lizer. For example

Re (per cent. of nitrogen) muntiplicied hy. stuw
vact, thes are fairly accurate, and the rule has men tittle short of drudgery for a woman.
the great advantage of simplicity.
take take the insoluble phosphoric acid into considera- $\begin{gathered}\text { Then, as to our soit-water system, a al } \\ \text { built of brick, with cement mortar, and plas }\end{gathered}$ tion would be made if the following rule is iol- on the inside with cement, is situated in Cowed: cellar. A small force-pump, connected by Multiply 4.1 by the percentage of nitrogen. room, where there is a sink, with a lead-pipe Multiply 0.9 by the percentage of available phosphoric acid
Multiply
0.4
hosphoric acid by the percentage of insoluble Multiply 1.0 by the percentage of pota
The sum of these 4 products will be the com mercial valuation per ton on the basis taken.
For example, the table of analyses shows a certain fertilizer to have the following composition Nitrogen, 2.52 per cent., available phosphoric acid, 6.31 per cent, insoluble phosphoric
acid. 89 per cent.: potash, 6.64 per cent. Followacid. 89 per cent.: potash, 6.64 per cent. Followwould be:


$\$ 22.98$
$\qquad$ srganic, and all the potash to be in the form of the sulphate. If a considerable portion of the
nitrogen exists in the fertilizer as the nitrate of nitrogen exists in the fertilizer as the nitrate of
coda, or as sulphate of ammonia, and the potash is present as the inuriate, the valuation should be Farmors should be warned against judging Farmars should be warned against judging
fertilizers by their valuations. A fertilizer, the oost of which comes chiefly from the phosphoric
acid present, would value much lower commercialthan $n$ fertilizer with a high percentage of nitrogen. and yet the former might be the more
profitable one for a given farmer to purchase.


$$
\begin{aligned}
& \text { ess elaborate, an ele } \\
& \text { less piping. could }
\end{aligned}
$$

$$
\begin{aligned}
& \text { hess piping. could } \\
& \text { installed for very }
\end{aligned}
$$ Would be to do mov

wel whatever they attemp
iII this line: put in th line: put in the II be amply $r$ in comfort during
fightest particle o
thinh ciowThe navators, close

 Mns are Ushapeod, and The closet is of the si water-box, which

Modern Conveniences in Country Home.

Total. per ton equals:
II a fertilizer rontains only, one or thoo orl then
pended from the ceiling gives mhenty of pressure nected with the forcurnumum. This lank is conthat if it should be run dry, water can be pumpil up from the cistern in the cellar.

Results of P. E. Island Auto Leg. islation,
$\qquad$
Was buitt in 1901 , and is comparatively new. In
the pantry, we have a waiter rumning down to the
cellar. When a meal is finished, all perishable
food is trip up and down the cellar steps. The waite hisists of shelves fitted inside a box without th
bottom; sash cord attached to this runs an arge wooden pulley, an

## eight of theight, which

$\qquad$
$\qquad$
$\qquad$


business men, and has bech
act ever passed
Now, Mr. Editor, the result hats been surm ing. Our roads and streets have twen filled wit teams drawing loads of produce to town, and
bringing back merchandise of various kinds, with horses and buggies, on business or pleasure bent and, best oi all, the feeling of security enjoyed by all, added immensely to the enjosment of a drive ing summer season one would meet wagon loads of tourists driving quietly along our roads, admiring the scenery, and invigorated by the pure Gulf." This was a sight seldom seen when thy auto held sway, although there were only a few
running, yet one never knew when he would meet them. Now, according to observation by myself them. Now, the travel on our roads increased the past season dry-goods, grocery, boot-and-shoe
viewing our men, etc., they unhesitatingly answered, in every case, that their trade had increased.
In the days of the auto, women In the days of the auto, women that would would put up the horse at the first stable they would reach, for fear of reaching one of these vilesmelling things, and carry their stuff to the marference the past season, on market days the ference the past season, on marses and carriages, with-
streets were filled with horse out dread or anxiety. As I have oiten been one of the number, I can scarcely describe the feeling the face of these undisputable facts, I noticed in one of our dailies that the owners of the autos are circulating petitions in some remote districts of the Islana
the trouble, for not for years to come, at least, would our representatives dare to repeal that law, knowing full well that if they did, few of them would ever get a chance to warm the cushions on
the seats in the big house. A. A. MOORE. the seats in the big
Queen's Co., P. E.

Double Building on the Level vs. Basement Barn.
The very excellent description, with cuts, of peared in our issue of Feb. 20th, 1908.(repeated in January 21st issue, 1909), has received favorable comment from many of our readers. The calculating member of our stafi, among others, was impressed with the cheapness of the irainc, and the question suggested itself to him, would it not be possible to dispense with basement walls atogether, containing as much room, at but litule greater cost than the basement barn described? The double building in mind consists of a byre (cattle stable) 40 by 55 ft ., with 18 -ft. posts, roofs joined, a barn of the same size, $40 \times 55 \mathrm{ft}$. with $18-\mathrm{ft}$. posts, having a drive floor 12 feet wide, and at one side of the floor a horse stable,
$15 \times 40 \mathrm{ft}$. on the other side a mow $28 \times 40 \mathrm{ft}$.; $15 \times 40 \mathrm{ft}$., on the other side a mow $28 \times 40 \mathrm{ft}$.; both stable and byre to be covered by a cort ait
height of 9 ft . Such a building would contain 2 per cent. more storage space (though perhaps not nuch greater capacity) than the basement barn in., with $18-\mathrm{ft}$. posts, and as much room for stock. The obvious advantages are that, with wooden, instead of masonry, walls, there would overstructure in which an effective ventilating system could be more cheaply installed; that the hauling-in and backing-out could be done on the level, instead of on a long, steep approach, and ened. In regard to the question as to the advantage of wooden over masonry walls for stables, it is noteworthy that pig-feeders quite generally pigpens, that masonry walls are not satisfactory for swine, why for cattle? In fact, not a few up-to-date dairymen object to basement stables, though there is no doubt they can be improved lining with lumber.
In the calculation the frame and siding lumbet are reckined at $\$ 2.5$, per thousand, and the sheath so dear ing and lining at $\$ 15$. This, while no probably the high enough for the country on the veragio. Mr. Mcintyre's own thuares as to mat ture aro in frame and other parts of the struc ture are taken as correct, and the same relative
amounts whe given for the supposed double build
inc ing. Fine bents were reckoned for the byre, and culations airly, and not twisted to support a pair of haldings on the level, containing 25 per 82.95. - Per cent.) more than a single hase ment burn, pives occasion for thourht and furt her


Fig. 1. Plan of Proposed Double Barn on Level.


Frume tour and bents, each ive middle bents, each 630 it
fide girts, braces and door caps door Purline ...lates

Wall plates 150 630 | enter posts |
| :--- |
| Curline | Sills for thre sides of byre.... $\begin{array}{r}450 \\ \text { Rafters ... ............................ } \\ 1,630\end{array}$,

$\qquad$
Total, $10,185 \mathrm{ft}$., at $\$ 25$ per M. ... $\$ 254.60$
 looring and sheathing, 9 ,
idinn, $6,150 \mathrm{ft}$., at $\$ 25$
heangles, 50,000 , at $\$ 2.75$................................

 | leams, joists and supports for lofts | 75.00 |
| :--- | :--- | :--- |

 | yre and stable floor, stalls, etc................ 200.00 |
| :--- | :--- | cundation, concrete wall, one foot

above ground on three sides of byre, above ground on three sides of byre,
and foundation pillars for barn abor of carpenter on building, exclusive 176.00 Total ..................................................... $\overline{\$ 1,246.25}$ 'Fxceeds cost of basement barn by only $\$ 82.95$. Windows, doors and granary not reckoned in In the above proposed barn plan, minute deIn the above proposed barn plan, minute de-
ails have not been worked out. It is assumed hat there will be horse-fork track at the ridge of
hath byre and barn, and that in the barn, hay ill be unloaded from the drive floor, while it (o) the be taken into the byre loft through door bove both horses and cattle, and at threshing ime a considerable portion of the straw would Iso be put away in the byre loft. Probably not more than 25 per cent. of the fodder and bedding towards the end of winter, a day with the horsefork or slings would put that right. In the case used to who have a truck for silage, it might be
anse dry roughage also. While it has been stated that the double building on the level contains 25 per cent. more storage space than the basement barn, it is not contended that much more could be packed into it, because so It is to be noted, however, that 40 per cent. of the total storage space is contained in the bay the basement barn. The intention was to in gest a size of double building having at least qqual capacity for both stock and fodder. A much more aconomical one could, no doubt, be devised. For instance, by adding but one foot to the
height of the bvre building, its loft capacity would be increased by 10 per cent. or 12 per cent. It is not forgoten that when the building has to be reshingled it will lake nearly 20,000 of expense would not be an obstacle to many, in years, in Western Ontario gained. Of late buildings has, become desprvedly popular, until now the natural tendency to go to extremes has thought that they were the thinge, but not only thing. In many cases, where old buildings are being made over, other ways are not only pos-
sible, but allisable. Other advantages than sible, but andisable. Other advantages than
those montionod might be spoken of. Suppose

THE FARMER'S ADVOCATE.
easy it would be to fix up a pen for them in the
mow of the barn suggested, at slight expense. mow of the barn suggested, at slight expense;
while in the masonry basement it would be inconvenient or impracticable.
plan of vouble buildina
The foregoing article and calculations being subruitted to Mr. McIntyre, he expressed his
opinion that the relative estimates of cost were opinion that the relative estimates of cost were
substantially correct, though, suggesting that the
allowance for carpenter work was perhaps a little allowance for carpenter work was perhaps a little pieces of material was perhaps slightly under the mark. On the whole, the calculation appealed to him as fair and reasonable. Upon the subject of advantages and disadvantages, he referred to
the durability oi the concrete wall, and stated that he had not found the approach to his basement barn a very serious inconvenience. On the other hand, he recognized frankly the advantages
set forth on behalf of the double building, and kindly offered to prepare drawings to illustrate the description of a double barn set on the level, and built with a plank frame. The cuts appearing in cornection with this article were made
from the drawings Mr. Mclntyre submitted. The ground-floor plan shows the double barn in L shape, each section $40 \times 55$ feet. The cattle stable shows stalls for 16 head on the south side, The pen on the north side could be used to run cattle loose in pens and box stalls. The horse ande shows five single stalls and one box stall, barn. The granary (not allowed for in estimate of cost) has a capacity of a about 1,500 bushels,
but has only one window. The hay mow, in the but has only one window. The hay mow, in the
north end of this barn affords valuable protection from wind to both horse and cattle stables. In one of the figures, a diagram view of the manger salso shown.
MODIFICATIONS OF FRAME FOR MOUBLIE
Below are Mr. McIntyre's comments on the
framing of the double barn. according to own drawings. ****

Daipy Test at Guelph
$\qquad$
your error in reporting the dairy tests at (iuelph Winter Fair, last December. I cannot quite understand you people up West, the way some of you
delight in boosting the Holstein cow. I suppose delight in boosting the Holstein cow. I suppose
you are taking your cue from Proiessor inean. In your report, in "The Farmer's Advocate," yo give the Holstein cow credit with giving milk
testing as high as $7 \frac{1}{2}$ per cent. butterfat testing as high as 7 合 per cent. butter-fat. This competing breeds. And in your note on the hibit of cows at dairy tests, a reader would ib sure to take it for granted that the Holsteins
were winners, all other breeds not being in it it fair to look upon milk only as a correct tis of a profitable cow? 1 think not. I also thinh that the Guelph Fair 13oard, assisted as they we to make this dairy test fair to all breeds, making butter-fat and solids, and cost of production, th test. The American people have for years been
testing the profit value by bulter-fat counting the cost of feed consumed, as the proper way to find the best breed. At the (hicago and st. Louis World's Fairs, especially, this was done querors. At st. Louis, in 1904, only one con stein cow got in out of sixteen prizes. Now, let us let in some light on the testing
at Guelph, as between the best, first-prize Holstein, and the petween the best, int-prize Hol food consumed in their three das test. 1 think can show that some of those Holsteins that took prizes did not pay their board bill while being take miy figures and comparisons from . wil issued by the St. Louis Fair Board of 1904 . might say here that the cost of the food for a
three-days'
test could be Chree-days test could be ascertained, as well as
for a longer trial, if it were wanted for a longer trial, if it wers wanted, though, no
doubt, nothing less than the whole year is a proper test. The figures ! quote, us correct, of the Guelph test, show that Mr. Haley's Holstein
cow, first prize, gave 203 pounds of milk in three days, testing 3 , per cent. butter-fat, producing
7.511 pounds butter-fat in three days, at cat 30 cents per pound, $\$ 2.25$.
Mre days, testing 4.7 per cent butter-tat, producing per pound, $\$ 1.83$. (Cost of food of Holstein cow: Meal, 22 pounds per day; three days, 66 pounds; at $1 \frac{1}{2}$ cents per
pound, 99 cents; 57 pounds per day other than pound, 99 cents; 57 pounds per day other than
meal for three days, 171 pounds; at $\frac{1}{2}$ cent per
pound, 8.5 cents. pound, 85 cents; total cost, $\$ 1.84$. per day, for three days, $52 \frac{1}{2}$ pounds; at $1 \frac{1}{2}$ pounds per pound, 78 ? cents; food other than meal, 37 pounds per day, for three days, 111 pounds; at
 if food, $\$ 1.81$; profit, 41 cents. $\$ 2.8$, cost of Tood, $\$ 1.31 \frac{1}{\text { a }}$, profit, 49 cents.
Test, where see, by even a three-days' correct test, where the Jersey stands; and if it was for
a year, where would your best Holstein be? As I
said said, I have taken my figures of the food consumed from the amount of the two cows, Loretta
I) first-prize Jersey cow at S. Louis fair, and
the fith-prize Holstein coll The firth-rpize Holstein coul, Shadybrook Gerben.




## Average $\$ 82.32$ per Cow

Replying to your request for particulars how our herd was handled, which obtaine tition, 1 may say that, as we had no intentio entering the competition until October, our her were not cared for nor fed as they otherwise
would have been. ()ur herd consisted of head, five cows, and one three-year-old of eigh two-year-old heifers, five being pure-bred and
three grade Holsteins. We sent three grade Holsteins. We sent to the Mount Pleasant cheese factory, from May 1 st to Octobe
$31 \mathrm{st}, 48,740$ pounds of milk or an averate 6,090 pounds each. The total amount of mone received was $\$ 445.82$, or an average of $\$ 7.430$ each month. From their dates of freshening cow il December 31st, the herd have averaged a frat tion better than 9,000 pounds each, or a total The average price per cut. of milk was 91.47 net me $\$ 658.60$ fords the season, or an average $\$ 82.32$ per cow. One of our cows did not freshen mount of milk for the tost anse. lessened our even cows through May, while we were charged with eight. In regard to feed and care, I would say that, as soon after freshening as circumoantes "ould permit, they were fed two quarts
ont and pea meal, one quart bran, one pint oil ake, from 15 to 20 pounds puly et mangels twice they day, and what mixed hay or fodder corn hey would clean up nicely three times daily, until
they went on the pasture, when they were fed nothing but one quart of oat and barley meal each morning and night, until sept. 21 st. Then til Semmenced feeding forder corn-one a day, uny stable and fed what fodder they needed, with the same ration of meal and a few roots; and thus they are yet, and will continue until' freshening fain. Through the winter we feed oat straw change. We have neither a silo nor alfalfa as vet, but intend trying for a stand of nine acres of alfalfa this spring. For a stand of nine acre

## Dairying in Brockville District.

Dorth Aurusta Chemse Facte tors, last season rau only irom May 1 st until November ist. Owing
to the extreme drouth in this section of country
the the milk How decreased at a rapid rate towards commence feeding their stock in Farmers had to reason a the remainder of the fall; and for that to the butcher's hock, and more as canners going
 C.

## THE DAIRY

## Depends on the Man.

##  <br> him howew, that nt horense <br>   <br>  <br>  <br>  <br>  <br> mat opy strict atention the the manum <br> thassit, and our diniry iroduct:

FEBM（ 1 4，190，THO FARMER＇S ADVOCATE

 milk delivered， $1,479,263$ ；total mones，$\$ 165,1171.107$ ； average price per pound of cheese， 11.8 \＆cents；$i 23$ ， $11191-6$ dozen，April， $127 \frac{1}{2}$ dozen；May average number pounds milk for one pound of lugust， $3 \frac{1}{2}$ doren $96 \frac{1}{2}$ dozem；Jepterber， 74 dozen； $98 \frac{1}{2}$ dozen

A uairyman gives the following as a safe rute

A doiry man solecting a dairy cow ：＂Choose， forst of anl，a good type deep bods，large heart，
girth，firm abdominal wall，indicative of gootl girth，firm abdominal wall，indicative ol goond
constitution．Then look for a well－balanced udder，well forward and
length of attachment，＂to the body，and greand，giver
squarely－placed teats．＂ POULTRY

## A Boy＇s Poultry Experience．

Editor The Farmer＇s Advocate
My father takes＇＂The Farmer＇s Advocate， and I am greatly interested in the Poultry
does．I artment．
Depar Department
My poul My poultry house is $10 \times 15$ ，boarded on stud－
ding inside and out，and filled with straw tween．There are two windows in the south side， $3 \times 3$ ，one being cotton，and one glass．The
door is in the west cud．The ceiling is boards， door is in the west cud．The ceiling is boards， head；this keeps everything dry．There has
never been any frost on the glass this winter． The cotton window gives plenty of fresh air，and the straw overhead absorbs the moisture．It is
very cold sometimes here，but the fowls are al－ ways lively and healthy．The root is peaked，
and shingled with cull shingles．There is no cornice on the ends of the rafters，and the space is not filled in between the rafters，where it rests
on the studding under the eaves on each side This is a good place for the escape of bad air
The that comes up through the straw．
In the morning the chickens get a good feed of In the morning the chickens get a good feed of
oats，well scattered in the litter．This keeps
them scratching most of the morning．At noon them scratching most of the morning．At noon
they get a hot mash or a feed oi chopped vege－
tables，consisting of turnips，cabbage，small po－ atoes，or any other vegetables that are handy
hese are all chopped fine．The fowls like this and eat it greedily．Sometimes a little charcoa is good，or some good poultry food．At night

they have been getting oals and peas，but the peas are not good for them，being too fattening． | ear here．They get fresh water，with the chil |
| :--- | taken orf，three times daily．I always try to keep grit before them．I can get it here at all

times of the year，out of the bed of a stream．I
have eight Plymoulh Rook pullets and one cock－ erel in this pen．Hoping you will be able to
find space for my first letter to＂．The Farmer＇s find space for my first letter to＂The Farmer
Advocate，and wishing it every success．
Bruce Co Ont

## Methods and Results in 1908


$\$ 140.17$ ．besides of those sold amounted to tion．is we kept no record of the cost of feed， not think we would be overestimating to say a east half was clear．Owing to the better prices aggs，hut，ofgs paid much better than the summer
 gggs sold realized $\$ 25$ ．
Ijesides
est month for cash，as the The value of $\$ 120$ ，and kepeipt we sold chickens to lets；so our poultry receipts for the young pul－
cludine value cluding value of pullets kept，would at least total
$\$ 2 \pi 5$ ．
Ihis year we intend $\$ 27 . \quad$ This year we intend keeping about 100 not pure，but a very good strain．We are keep－ ario Co．，Ont．an amateur．

## A P．E Island Flock Record．

## As you are asking for reports from farmers

 poutry llocks，I will give you ours．In 1908 we houses second one First one， $12 \times 30$ ，with 50 hens ， breed is the Buff some three－quarters－bred．They to the amount of $\$ 135$ worth，the average price received being $172-3$ cents per dozen．About 90 chickens were raised， 45 pullets and 45 cock－ erels．The pullets we value at 35 cents each， which arnounts to $\$ 15.75$ ，and the cockerels at 25 cents each，\＄11．25．Total，\＄162．Amount of at 50 cents，$\$ 75 ; 25$ bushels of wheat at $\$ 1$ ， $\$ 25 ; 40$ bushels small potatoes，at 23 cents， to chickens，amounting to $\$ 2$ ，which makes $\$ 112$ ， profit，together with the manure，very fair re inuneration for labor expended，as the work is very light and easy to perform．The houses werenot up－to－date，there being only two small win－ not up－to－date，there being only two small win－
dows in each house，and no ventilation，except by door．There was a floor in smaller house；
the other had none．No difference was noticed in health of birds or number of eggs laid．This vear we have a new house， $13 \times 30 \times 7$ ，and are
feeding 125 in one flock，which is much easier And，by paying more attention to ventilation， reding and caring for birds，hope to get better
returns，with less labor．Eiggs are selling now n our market town of Summerside at 25 cents per dozen，and seldom get above that during the winter，so，you see，we will have to be content
with small prices until we get the tunnel and can with small prices until we get the tunnel and can
send them to large cities on the mainland．And vet we farmers think that hens pay as well as
any other live stock，and often get worse treat－ nent，too．Not long ago I heard a farmer boast－ ng about his eug receipts，and 1 ventured to ask
him how often he cleaned the henhouse．＂Not until spring，＂he said，which means every six monthis．If hens were only given a chance，kept heir grain among clean straw supplied with gravel，broken oyster－shells，skim milk，water，and as aried a diet as possible，greater profits would
be fortheoming．
JMES STAVERT．

GARDEN 部 ORCHARD
Apple－growing in Peel County．
I have lately become rather interested in our orchards．There are a few questions I would like
to have answercd，to see if there is really any rea－ neglected．
1．Has it been proved at any time that
apples can be grown as a profitable crop in the apples can be grown as a profitathe crop in the
climate such as we have through the northern
part of the Counties of Halton，Pecl and York？ or，is the climate of the southern counties much beethe for this crop
2．What particular arieties thrive best in
these countios．
$\qquad$

4 Is it the best grade
he culls being consumed a
5．What is the average price pat harel that 6．Are there any of our pears shipped to the pears and they ever be able to grow apples of British Columbia
8．Would you give a rough outline of what
you would consider the proper way of caring for an orchard ？
Peel Co．，Ont．
Ans．－1．I believe it has been proven many can be successfully and profitably grown in the section of the country you mention．I have at various times judged the fruit exhibits at fall fairs in these counties，and am sure，from what
I have seen，that as good apples can be grown inave seen，that as good apples can be grown as in almost any section of the Province．No doubt，nearer the lake，in the southern sections these counties，the crop may be more certain， injured by late spring frosts；but these occur so arely that this is a matter which need hardly be along the lake－front
2．The climate in that section of the country wit permit，of all the best varieties being grown．
It is well，however，not to grow to many vari－ $t$ is well，however，not to grow too many vari－ as a rule，be narrowed down to a half dozen of he leading varieties，such as Northern Spy，Bald－ ＂in，Greening，King，Ribston，and Blenheim．No
doubt，many would wish to include in such list he much－discussed Ben Davis，but we believe that，although this variety has been a very profitable one，the markets of the future will be nore discriminating，and demand only those vari－
tities of the best quality，and for this reason we think it would not be well to plant too largely f varieties of such inferior quality as Ben Davis． he apples in these counties is exported，and what is used locally．I am inclined to believe that at present more is used locally than is ex－ ported，from the fact that commercial orcharding that it should have． 4．Where the apple crop has been sold by the
barrel，only the best grade of apples is taken by he buyer，and the culls left for home consump－ ion．Unfortunately for the reputation of the Canadian apple trade，this practice has not been in many cases，where the crop is bought on the rees，as is often the case．little or no culling is shipped out in the same barrel，which discredits Canadian apples generally when they appear upon a foreign market．This method of buying and
shipping has done more to injure the Canadian shipping has done more to injure the canadan nentioñed．
5．The price usually received by the farmer irom the apple－buyers when the crop is purchased
either on the tree or by the barrel varies from 50 cents to $\$ 1.00$ per barrel．Usually，when bought by the barrel，the latter figure has been
the prevailing one；whereas，I know of growers the prevailing one；whereas，I know of growers
who have been shipping and selling through the co－operative associations in the northern part of Halton County，having obtained between $\$ 2$ and $\$ 3$ per barrel．The sooner apple－growers realize
hat the most successful way of marketing the apple crop is through a co－operative association， the sooner will they receive full value for the fruit，and the sooner will apple－growing be rec 6．There have been a number of successful tempts to ship pears from Ontario to the Old Country market，but so far the export in pears that，when picked at the right stage of maturity and carefully packed，pears can be successfully placed in the Old Country markets；but the tend－ ncy of this fruit to ripen in shipment makes the bing．Nevertheless，we believe that in time pears will be much more largely shipped from here to
the Old Country than at present． the old Country than at present： $\qquad$ prophesy as to the possibilities or otherwise of doubt，however，that there is a vast extent of country in the Northwest where fruit of this kind
will never be grown，although there are possibly sections in Alberta，near the foothills，where fruit may in time be more or less extensively cultivat－ parts of Allerta imicate that fruit may be grown ing in that district are better understood；but I believe that for many years to come the Ontario the Northwest，untess，through neglect of the op－ market hy competition from British Columbia
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$\square$
might be briefly summarized under the following headings

Thorough cultivation.
Regular pruning.
Intelligent and thorough spraying
These and many other points in connection with orchard management are more or less fully cultural College on "Apple Culture," to which 1 would refer you. Copies of this bulletin may be had on application to the Department of Agr
culture at Tornto. culture at Toront

## Bpown-tail Moth.

Canadians should be able to identify the Brown-tail moth, which has done such enormous
damage in various parts of the United States Nova Scotians, too, are acquainted with the pest. ists have found specimens on nursery stock. Ther is a danger that Canadian orchardists who plan trees imported from across the line may have similar experience
New York State.
The winter nests can easily be recognized. Th winter is passed as young caterpillars, which
form colonies at the tips of the branches of the trees on which they fed the previous season. Eggs laid in July develop into half-grown caterpillars about $\ddagger$ of an inch long, black in color, covered with rusty hairs, and having on the 10th and very conspicuous reddish-yellow, cushion-like tubercles. The nest is readily, seen, because
the colony is enclosed in leaves on the tip of the branch.
The adult insect is a moth similar to the adut of the fall webworm, white in color except the tip of the body, which is brown. The female has at the tip of the body an almost globular tuf by lights.
Egg masses, two-thirds of an inch long, and one-quarter of an inch wide, and covered with of the leaves during July. Although the youn caterpillars do little damage before winter comes, they are very destructive when they emerge from the buds have opened. Remedy consists in col lection and destruction of egg masses before the buds burst in spring. If this is not done care spraying mixtures.

## THE FARM BULLETIN

## To Our Club-raisers.

There are thousands of farmers who do not know what they are losing every year through not being subscribers to " The Farmer's Advocate and Home Magazine." Therefore, we want all readers of " The Farmer's Advocate " to act as club-raisers this year, and send us large lists of NEW SUBSCRIBERS.

If you send us two new names and $\$ 3.00$ to cover same (each new subscriber paying $\$ 1.50$ ), we will mark date on your paper forward one year as remuneration to you: or for each single NEW NAME, accompanied by $\$ 1.50$, we will advance the date of your address label six months. Cash commissions or premiums, as preferred, for larger lists of new names.

In clubs of FOUR RENEWALS OR OVER, we will accept $\$ 1.25$ each

Premiums not included in club offers
Start raising your club immediately. Get "The Farmer's Advocate and Home Magazine" into every household in your locality.

British Shows for 1909
February 10 -Glasgow Stallion Show.
February 23 to 26 . Shire Horse Show, 1 , mion March London. 5 -Hachney Horse society s hhow, London
May 26 to
Exeter.
June 5 to 15 -International Horse Show. June 22 to July 20 to $23-$ High ling.
December

Fortheoming Events.
Feb. 4th.-Annual meeting of Canadian Jersey Cattle Club, Walker House, Toronto.
Feb. 4th.-Canadian Holstein Breeders' annual meeting, 9 a.m., in Association Hall, corner Yonge and McGill Streets, Toronto. Feb. 4th and 5th.- Annual convention of Canadia Feb. Seed-growers' Association in Ottawa. 9.30 a. m-Annual Sheep-breeders' Association, Temple Building,
Feb. 5th, 1.30 p. m.-Annual meeting, Dominion Feb. Sth, 1.30 p. m.-Annual meeting, Dominion Feb. 10th and 11th.-Ontario Fairs íssociation City Hall, Toronto.

Manitoba Winter Fair.
The programme for the Winter Fair, to be
held at Brandon, Man., on March 9th to 12th, shous that a great treat is in store for those who can attend. In addition to the display of competitions and addresses there will be judging D. A. Gaumnitz, Assistant in Animal Husbandry Ruthinnesota Agricultural College; Br. J. G Ottawa, and Dominion Live-stock Commissioner, audiences.


Jack Canuck is Beginning to Take Notice.
To Test Milking Machine.
prepared an elaborate programme for their have convention at Manitoba Agricultural College, Winpeg, on February 17th and 18th. In addition to addresses by such dairy experts as Prof. T. L. H. Shepperd, of Fargo, N.I), and J. A. Ruddick, Ottawa, there will be a practical demonstration

One of the Requisites
The F'armer's Advocate \%. for 1909 . We have gone exclusively into farming, and appreciate your sable articles in connection with successful farm ing. It has no equal that '1 know of in agricul. ural literature.
Bruce Co. Ont

An outlireak of hog cholera has been recently
disconered among a herd of to hog been recently
ronto. The entire herd has been destroyed, and
the promises placed under a three-months
tuaran tine. during which time a the ownomthe" quaran
allowed to have a pir A free course in stock and sied judging has
been arranged hy F. C. Mart, 18....., of the Gat ollegiate Institute, to be hold at in the Galt

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C.m.mom
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## Education by Institutes.

not oulived their dajs of usefulness, was amy proven at a gathering at Wilton Grove, Middles ounty, recently, when a representative of "' Farmer's Advocate" chanced to be privileged ing. The speakers were arternoon and evincin Department of Agricalture were: Miss Susie Campbell, of Brampton; W. F. Kydd, of Simco and R. R. Elliott, of Owen Sound. At the ever ing meeting, variety was made in the programme
by a chorus by the church choir, songs and music by local talent, and short addresses by Jas. Wheaton, of Thorndale, Secretary for the Inst tutes of Eiast Middlesex; and Jas. McCrae, one of the officials of a local literary society, that is
doing great work in training the boys and girls The chair was occupied by David Lawson. Hubrey.
Progr
Progressiveness was in evidence on every
hand. An attendance of over 80 enthusinstio farmers and their sons of over 80 enthusiastic most double that number, made up of men and women, boys and girls, at the evening session,
showed the interest taken in educationnl nowed the interest taken in educational work. A collecting in a corner at the rear, to cause discolecting in a corner at the rear, to cause dis-
turbance, were in the front seats, evidently as
much interested as the older people. Arrangements had been made for the women neet in a separate room in the afternoon, and
Miss Campbell succeeded in organizing a Women' Institute. After the object and aims of such organizations had been clearly outlined, it was
voted unanimously to form an Institute lady present became a member, and it was decided to hold a meeting the first Thursday in March. Many topics of interest to women were
discussed briefly. Mrs. McCrae suggested that something should be done whereby the older boys and girls of rural districts should be privileged to go to public school during the winter months, to social matters.
orses AFTERNOON SESSNE
Horses and dairy cattle were fully discussed in many particulars at the afternoon meeting. Those while regarding horses, and particularly their feet and legs, or who were not sufficiently interested to cause them to make a careful study of this worthy class of live stack, cannot be depended on to further the interest of agriculture to any
great extent. Digests of the addresses given by Messrs. Kydd and Elliott, and the discussions in connection, will appear in a later issue of "The .. Dreping meeting.
"al Dropped Stitches" was the topic of a brief of enthusiastic loyalty was regrettable. Rut Lack farming operations, there were such dropped stitches as lack of ability to tell a horse's age mouths. Chief among the dropped stitches, how Middlesex ranked sece of co-operative associations Middlesex ranked second among the counties o
Ontario in acres devoted to orchard over 16,000 acres in fruit, and yet feww were were ing great profits from fruit-growing. The sys tems in vogue in Hood River District, Oregon, $\mathbf{U}$. prices were obtained, were referred to to ing high only first-class fruit was put up in boxes or bare,
rels, and buyers came long distances to cot it berels, and buyers came long distances to get it, beause they knew the quality was right.
Improvement should be the aim in On the farment every sould be the aim in any line. strive to do better than his or her parents had
done. Reading, and a study of soil and crop done. Reading, and a study of soil and crop
conditions, as well as of live stock, were essential The importance of home and the influences that could be brought to bear by man and wo were were discussed by Miss Camphell. Women also do duty at at "ick hed. Widow" hats, and was almost a certainty that women would wote
for the hest-looking man. Both men wat for the hest-looking man. Both men and women The counger peonne learned from the older, and
$\qquad$
 "i." Wouldtion in the home, whereby the househimer, "as somethine that woubor-saving ma-

In beantify ying school grounu mained to be done. Prizes at fall
lections of plants, weed seds, or
seed strin, were advocated.

writer in "The Farmer's Advocate ", "had ash...
whether Farmers' Institutes had not outlicel
whether farmers' Institutes had not outlived
their usefulness. His opinion was that they had
not ; that only the fringe of agricultural prob-
not; that only the fring
Tree-planting around the homes was advised
Forests were being cut down, giving the winds
free sweep, lessening the rainfall, and lowering
the water-level of lakes, rivers and wells.
the water-level of lakes, rivers and wells By
keeping live stock out of present wooded areas,
and by planting rough land to
be done to improve conditions.
speakers and others who had assisted in making
the meeting a success. It was unanimously pro-
claimed the best ever held in the district.

## A World's Butter Record

 The Jersey cow, Jacoba Irene 146143 , whoseportratit appears on his page, is reported as hav-
ing finished a record of butter production for two ing finished a record of butter production for two
years, December 114h, 1906, to January 24th, 1909 -dry 45 days-unequalled by nny cow of any
hreed, her milk production being 31 . 0 . breed, her milk production being $31,50 \mathrm{~J}$ lbs. 9.6
ozs.; butter-fat, $1,744 \mathrm{lbs} .13 .4$ ozs;; butter (8:
 rules of the American Jersey Cattle Club, authen-
 hutter (8. per cent. fat), 1.122 lbs. 9.3 ozs. In
the last three successive years she has produced the last three successive years she has produced
42,064 lus. 14.4 ozs. milk, 2,332 ibs. 3.4 ozs. butter-fat, and 2,745 lis., 4.9 ozs. butter ( $88 \%$ iat). Her average butter-fat test for the year
1908 was 5.53 per cent. She has, in addition, dropped her owner a henlthy, living calf each value of the butter product of this cow for the vear ending Jan 24 th, 1909 at 30 cents per
pound amounts to 8366 , 8 , and her skim mik pound, amounts to $\$ 336.82$, and her skim milk
and buttermilk, at 20 cents per 100 lbs., comes to $\$$ and buttermilk, at 20 cents per 100 los., comes to $\$ 32.60$, making the total value of her product for
the vear $\$ 369.42$ Her best day's mik is iven
as 69.8 pounds; best sesen days' milk, 467.5 as 69.8 pounds; best seven days' milk 467.5
pounds; best even days' butter, estimate 29.3

Fraud in Horse Registration Judging from the outcome of the first prose
rexistrat Canadian records soon will be free from names of animals not entitled to be registered. A case agaiust $W$. B. Williamson, a horse dealer, of To
ronto which hal bor ronto, which has been under consideration for
over two years, recently was sifted out at Toronto.
The directors of the Clydesdale Horse-breeders Association, hearing allegations that a mare,
Jane Austin, had been improperly registered, took steps to locate the gnilly party. A detective was given charge of the case, and soon direct evidence was secured to prove what those in charge of the
records believed to be the case. The conviction of Williamson should serve as
warning to all dealers in pure-bred stock, and warning to all dealers in pure-bred stock, and
those who have stock registered from time time. Other cases of a similar nature are promthat the public will be properly protected in Government Aid to Agriculture. The December issue of Census and Statistics Monthy summarizes the appropriations in aid of
 lomion appropriations,
Provincial appropriation

## Quebrec

Nova scotia
Frince Edward Isiland
Nanit oba ......
Saskatcllowan
Mritich Columbia
$\begin{array}{r}162,764.50 \\ 31,980.00 \\ \hline\end{array}$

Rural Mounted Police Idea Endorsed.

## gh. minual meeting of the Cohourg Central

 holt - Fai Eairs Association mupet ins. to he


FAF.AER'S ADVOCATE
Uruing Removal of Sheep Quarantine.
ition is Weing circulated among Canadian
eders, ursing upon the loominion Minister ders, wring upon the bominion Minister
 ntit recmiations, on . June 1.5 th , 1908 , it is stated
that the leading a loss oi 90 per cent. of their business. The
petitionerg petitioners request the Dominion Government to the contugious disease (scal), which the American Secretary of Agriculture claims we are harboring, and which, it is admitted, has existed to a limhampered access to the American market is declared to be of utmost importance to the breeders
of pure-bred sheep in Canada, which should be to of pure-hred sheep in Canada, which should be to
the Western Hemisphere what England has been

## Canadian National Directors.

At the annual meeting of the Canadian Na-
tional Fxhibition Association, held in Toronto hast week, the following were elected directors Or this year: Agricultural Section-Hon. John Pryden, Messrs. Robert Fleming. II. R. FrankStark, Thomas A., Graham, Claremont, and
Robert Miller, Stoufville. Manufacturers, Sec B. Brown Messrs. George llooth, ©. E. Briggs, C. A. B. Brown, John A. Cooper, W. K. George, George
H. Gooderham. Noel Marshall, and W. K. Mr Naucht, M. P. P. At a meeting of the directors Mr. G. H. (iooderham was elected president.


Jaco ba Irene.

## Lersey cow; claimed to have scored a world's recor

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MandH.
Harbor. Governmentarmern
W. II. Bunting, C. F., Fisher, F., (1). Smith
M. Hendershot, W. B. Burgoyne, it (aring, W.
County Grants Committee.-W. H. Buntine, F
A. Goring, C. B. Hare, St. Catharines, and (:, E.
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Foot-and-mouth Disease Quaran-
tine Ameliorated.
29th, that the cattle quarantine, imposed as a re
$29 t h$, that the cattle quarantine, imposed as a re-
sult of the outbreak of foot-and-mouth disense
the United States, had been relaxed to the extent
of allowing hides, horns, meat, straw and hay
from the United States to come in, so long as the
origin was not one of the six quarantined States This sort of freight is now allowed to enter Canada after passing through the affected States providing it is in closed cars. On the same day, despatches from Niagara Falls, Ont., stated tha national bridges were notified that the embargo against horses and every living animal, except cations had been made to Of late, certain modififirst was very rigid, excluding vehicles of all kinds

## Agriculture in Orkney Islands.

Favorable weather in the early months of 1908 was the means of enabling farmers to get well fine weather came the end of March and first of

April, they were ready for the
soring work, and spring work, and
the middle of the latter month saw farmers busy sowing oats. But a heavy fall of
snow, to $t h e$ depth of 18 inches
plain, on the
intervened, rendering the ground very wet
for two weeks or more, and it
owas about the was about the
middle of May
before the rest before the rest
of the oats were
sown sown. Swedes
were sown under fa vorable condi-
tions in the end of May, but here wet we a ther
whain intervened atrain intervened,
and some were sown as late as
the 15 th of June the 15th of June,
while the yellow while the yellow
turnips were sown in the latter hal

## Fruit-growers Prepare Plans

Enthusiasin prevails among the fruit-growers of Niagara peninsula, and, with such organizatio
as now exists, the tendency is to hold out for just treatment from express companies and others acts of the ucts of the gurdens and orchards. At the meet
ing of the Niagara F'eninsula Fruit-growers' Assocration, held in St. Catharines last week, officers and committees for 1909 were appointed as fol 1ows: President, W. H. Bunting, St. Catharines
Ont. ; 1st Vice-President, E. D. Smith, Winona Ont., for County of Wentworth; 2nd Vice-Pres. Robt. Thompsoli, St. Catharines, for County o Lincoln; 3rd Vice--1'res., W. M. Hendershot, Thor C. E. Fisher, St. Catharines
$\qquad$ sections by townships. Committee Wm Whens
Fspress and Express and Freight Committee.-Wm. H.
Bunting, F. Bunting, Fith, Vinona, F. A Goring, Homer Murray Pettit, Winona; IV. M. Hendershot, Thoroid: J. M. Metcalf, Grimsly: II. Fleming,
Grimsby: Grimsby: M. H. Parpenter, Mmona; E. L. Jem-
mett, Beamisville : Robert Thompson. St. Cath-
arines : W. I. Brimgman, Winona ; J. W. Brennan. Vineland.
Entertainment Committee re Pomological So Cety Convention.- Murray Pettit. Robt. Thomp I. Roberts, Crimsby; W. M. Hendershot: C. E
Fisher. St. Catharines. Fisporimental Sprasing Committee.-J. W. Smith Winona: W. McCalla, St. Cathar-

July was fine and dry, and cropsth. made good
progress, and the hay crop was secured in excelent condition. A good deal of hay was made
n Orkney, although the crop was not extra bully n Orkney, althou After a fine summer, harvesting commenced in the first week of October, and was the finest in the memory of the oldest' people. The crop was and in a short time it was all secured in good condition.
The bulk grain is about 4 qrs. per acre, and weighing from 40 to 44 pounds per bushel, and selling at 15 s , per qr Bere is also a good crop, weighing about 48 pounds per bushel, and at present is selling at 19 s . per qr. for the standard weight. Potatoes, as a rule, are a good crop; likewise, turnips. Store and fat cattle sold well all autumn. In spring, fat cattle were selling about $3 \overline{5}$ s. to 36 s . per cwt., live weight, in Aberdeen; the price latehas been about 38 s . to 40 s . per cwt.
Lambs sold for 3 s . 104 4 . less than last year, the average price for half-bred lambs being about 20s. Fat sheep were also down in price. There was keen demand for good horses all year. Small up to $£ 12$. Pijys have been selling at $4 \frac{1}{4} d$, and $4 \frac{1}{2} \mathrm{~d}$. per pound
Summing up, the season of 1908 , has been a irly prosperous one for Orcadian formers.

British Cattle Market.

TRADE TOPIC
GARDEX SEEEDS, plants and bulbs of
the most up-to-date varieties and quality,
are advertised in this paper, by the old
and reliable seed house of Wm. Fwing \&

illustrated catalogue of nearly 100 pages
will be sent free to those who apply for
it it. See the and
the catalogue earl

## Gossip.

At Ridgetown, Ont, on Feltruary 9th
as advertised in this issue, there will be be as advertised in this issue, there will be
sold oy uaction 35 head of richys-bred
Shorthonns trom the hedse Shorthorns, from the herds of T. Barrote-
Sons. EF, Brien \& Sons. and others.
 Jean, three years old, a large, smooth.
red heifer, got by the noted stock bull. Diamond Chief $=39110=$ a a prizewinner
at the Western and many other fairs Others are eleven yearling and two-year-
oid heifers. got by the beautiful bull, Roan champion, bred by Mr. Davis, and
got by his srane tsock bull, Baptoo Chan-
cellor, and his dam is of the Jowel famcollor, and his dam is of the Jowel fam-
ilys ho is thil brother to the champion
heifer at the Western Fair, 1907. These heirers are in good breeding condition
and soveral will make show-yard stuff and several wil make show-yard sturf
Six heifer calves are o beautiul short horn character, and several of them would
make snow calves. They are the low Make snow calves. They are the low-
down, thick, beefy kinde all sired by the
present stock bull. Aberdeen Prince present stock bull, Aberdeen Prince
Rimp., by the famous Sityton Choice,
 three years old, of the Scotch Princess
tribe, and got by sityton Chice. Ho
Ho
 The other bulls are five, all got by Aber-
deen trinco imm. and are throe rods
dnd two roans. They are trom ten to



 grand old show bul, Abbotsord. Thi
is a promising show cow, with a beautithe sale, the grand red four-year-old stock
butl, Roval Mysie, Dy Royal Prinot, of the Killiean Beauty tribe dam a richi, red Mysie. Note the date. Feb. 9th.
and the place, Ridgetown, on the Nichit and the place, Kidgetown, on
gan Central Railrond, in Kent
Robby had been so very lonesome for
a while that he had begun praying that a while that he had begun praying that
the Lord would send him a litte brother Every night before jumping into bed he
had got down on his kneas and reverently ofered up his petition, and laterent-
without departing in without departing in any way from hi
reverential attitude he had ventured to viggest that he had been waiting a long
whle, and holed that the t.ord might

Horses. -The Horse Exchange at
Union Stock-yards last week did ${ }^{\text {at }}$


ferremi: 4. 191


## Gife diterature

 and $\mathfrak{f}$ durationshutt, Chemist, Central Experi inentan
Farm, (intuva, for dirrections how to


 as the revent acididents at rerimshy
and K inston. in which seven lives
 served to bring ividy brore ithe
country a long and pressine neatd namely, the ncessily for beter pro last, a Bill providing for elimination



 Inspectors will be sent out to make
areport on tui
dangerous crossings a report on will dangerous crossings
and steps will, wo doubt be taken in the early fure to remove the
menace from the points reported as menace irom the points reported as
most tin need of attention.

The ful signifcance of wireless
telegraphy as as a lites.aver was well demonstrated within the last fort.
night, in the sinking of the Repulic. night, in the sinking oit the Repubuic,
rammed by the Florida, of Nantuck ett on January 23rd. There, during
 $\underset{\substack{\text { vess the thireless operat or stood side } \\ \text { and }}}{ }$
 corring the captain's words, which
were sumt throumh sumare reanhing were esm 4 through space, reaching
here the Acushnet, there the Baltic, the Lorraine, I.ucania and city of



 sank hut not in life save those
crushed out by the impact, was lost.
 The importance of insuring an ab.
 ruater is well sillustrated hy the fact
that at present oover 2, ,ooo inhabi-
 fiver water The filter, it appears,
would not supply the demand, and mould not supply the demand, and











 ease germs lurking in the well. A cern, which is called " Canadian Art,
clear, limpid glass of water is not Company, I. imited," is capitalized at
necessarily pure. It may contain
the deadliest germs. Charles Macdonald Manly, Gustay Hahn, F. M. Bell-Smith, F. H. Brig den, of Toronto: F. S. Challener, Netitor against Canada in butter and Siriest desolations of the earth. And
Siberia will no longer stand still. is working, and strongly, in Russia, India, and the people are finding
their feet heir feet. The result can only be stretching from the Volga to the Pacific, and from the Altai Range to the frozen slopes bordering the Arc
tic. What the commercial result of such a development must be, cannot
but be evident. Competition is the life of trade, but it is surely up to Canada to solidify her position by giving of her best, if she is to hol
a leading place in the commerce a leading place in the commerce of
the world.

It is said that a commission, collect information about what has ween done in other countries in the nical education, will be appointed by the Dominion Government at an early date. The commission will, in all
probability, have little, if anything probability, have little, if anything
to do with agriculture, ai branch of industry not generally identified with technical education, yet such a
movement is bound to sior movement is bound to stir those in efforts in its behalf. When industrial education is in the air, agriculture, the most varied and intricate of all industries, when regarded from a scientific slandpoint, cannot lag in
the procession. Eighty per cent. of the people in the Dominion are farm-
ers. Surely the ers. Surely the greatest expenditure
of timie and money for the promotion of education for life-work should be devoted to them. The
greatest good to the greatest number. " " * " The United States Government's
suit for the dissolution of the Stand-
ard ard oil Company, was practically
closed on Jan. 15th, but the arguments of both sides will be presented
in April beiore the United States Circuit Court, in St. Louis, and
will then be taken to the Supreme Court. The record so far com-
prises 22 print resents a cost to the litigants of
nearly $\$ 10,000,000$ Query If the
Standard (il Company wins out

People, Books and Doings. on on lay are published in the Inited ne. Mendelssohn, and lineoln. each
of whom was born in 1809 .

A Sulbstitute for Model Schools Needed.
The closing of the old County Model Schools last year has now passed Model schools were retained to the end of the year 1908; it is true
that it is still the intention of the Education Hepartment to retain at newer and less-densey-settled the rens of the Province. It has boen would be enough, and that these five be conducted by the Department at its own expense, as miniature Nor cates.
$\qquad$ The Department deserves credit for grappling vigorously with the pro-
fessional training of teachers providing such facilities for Norma as shall gradually eleva the type of teacher in scholarship culture and general make-up. abolish the County Model Schools By many of our people they were r garded with favor. Many were friend ly to them because they were cheap and money out of the Modelites board, etc. This was a sordid rea son.
But
But there were other people who
appreciated these local Model schols because they believed in the efficienc of the system. These friends of the Model Schools were numerous, an they are very skeptical now as to
the merits of Dr. Seath's system of superior Normal Schools, which aim to train-to-teach students who have never taught one day, and to give them the finish, too. These peopl must be met on its merits, and not brushed aside as senile. For example they argue that the old Model Schoo students attending there for but fall terim got the rudiments of train three years. They then took schools, and in a year or two gained the most valuable thing teachers can have-experience. They were then to attend Normal Schools. Havin thus a year or more of experience they were in a position to appreciat
the higher training of the Normal Schools. They could observe, in telligently criticize and compare with their own experience what they saw. is better than having crude students enter Normal Schools, as they are now, without one moment's experieffective in learning is how way , so "by doing." However, it is impossible to have Normal School enrants take a year in actual teaching I firmly believe that sye new," and superior to the old, judged indeBut, my olject in writing this article is to suggest a modification
of our new system, so as to combine in it some of the merits of the old pair our present excellent not impair our present excellent system; properly stafled and equipped, and
not overcrowded : evcellent, if not

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 out of the schools, cexcellent, if kept
in touch with the highest ideals in touch with the highest ideals on
one hand, and with the people on
the other. I think my plan is feas the other. I think my plan is feas-
ible, therefore I humbly submit it ible, therefore 1 humbly submit it
for consideration. The Normal Schools at present
open ou September 15th, and close open ou september 15th, and close
on June 15th. The rural schools
open about 15ih of August. Now. open about 15 th of August. Now.
what are the 1,200 Normal-school What are the 1,200 Normal-school
entrants doing from 15 of August,
when the rural schools open. to 15th when the rural schools open. to 15th
of September, when Normal Schools of September, when Normal Schools
open? Simppi, counting their fin-
gers, for the lack of anything better gers, for the lack of anything better
to do. I propose that our Normal Schools open October 1st, the same
date as the Faculties of Education and all Iniversitics. Medical and
hental Colleges, etc.. open. During the period, 1.5 th of August and October 1 st-45 days-compel the com-
ing Normal-school entrants who ing Normal-school entrants who
have no experience at all (and very
soon they will every, one be in that class) io take service in the rural
schools. How can this be done? schools. How can this be done " must adopt "a definite rule, " ${ }^{\text {t }}$ nation papers read and reports pub-
lished by August 1st. This gives lished by August 1st. This gives
two weeks to decide on Normal school classes, and allocate the stu-
dents for the coming Normal-school year. Then send each county inspector a list of all the Normaland let him place them in his rural
chools, not wo take charge of them hut to act as assistant or pupil-
teachers. There is no likelihood of any county having more than an
average of twenty or thirt of these successful Vormal-school entrants,
and, if so. adjoining inspectors who had few could take some. These No mal-school entrants would not
ceive any pay. and would have pay their board, which would the
cheap in rural sections. The inspectthe placing oi these students in their hest schoois. and noving them about
as they soe fit, as supply teachers, in the tuenth and a half which they have wem ander their control open for
there were ans shools not or of thirs. the best of thes
lack of
 It will be seen now that thise stu-
dents will have at hast thirty days They caul be set to woik at actup1
tenching and by Octobrer is shopld have taught at least fifty half-hour lessons. Let this be the minimum,
and let the inspector and regular.
teacher certify to this fact. liat they may have taught 100 lessons or they have seen, felt, heard, and ha rural-school life. School-organiza-
tion. discipline, ventilation, keeping
rogisters once. This affords actual rural-
school practice turing the month
of September, let the Normal school of September, let the Normal school
Masters tour the Province, visiting Masters tour the Province, visiting
schools, seeing their students, meet-
ing the people. lecturing at Teachers ing the people, lecturing at Teachers, generally usefui to the schools there be

```
o their respective schools, and, b,
sin their training. From Octobel
```

ist to. Whe
half months' sessiou-ample ior
oourse. Thes could then work
areater advantage
In this fight-months session the Normal sehools could do better work
$\qquad$
$\qquad$
$\qquad$ - waw


## THE FARMER'S ADVOCATE


under forty years of age. Numberless other examples of men of both the ones to anyone concerned. past and the present, might be given
to show that the best work is not a monopoly of youth. The musicians alone-and music might be deemed an
especial concomitant of youth-present an interosting array of statis- Garden." "Flizabeth, in Her German tics. Bach wrote his masterpiece "She never enjove as her saying that when he was 48 years of age. Handel aiter dinner, when her guests unt il
wroul wate the "Messiah", when he was up and the cares of
 he was 65 ; Wagner was writing the Cameron pleads for the "Meistersinger " in the period between 49 and 5 , inclusive. Bach
was 65 when he died, Handel 74 , Haydn 77, and Wagner 69. Beethoven wrote his masterpiece between 35 and
38 , and was 56 at the time of his 38, and was 56 at the time of his
death. With the exception of Brahms, the other great composers died very young. Weber reached his acme between the period of 30 and
33; he died when only 39. Mozart 33 ; he died when only 39 Mozart
reached the culmination at 31 years the guests, adding: "Although
dearly love watching people cooking

$$
\begin{aligned}
& \text { THE SPOILED CHILD } \\
& \text { as a guest? "The worst thing th }
\end{aligned}
$$

$$
\begin{aligned}
& \text { as a guest? "The worst thing that can } \\
& \text { happen to you," continues the writer } \\
& \text { hap }
\end{aligned}
$$ of age. and died at 35 . Schubert

died at 31 and it was in the same year that he produced his unparalleled symphony, Mendelssohn died at long and did not surpass what he
had done when he was 35 years old.

Something About Our WoThen, how many a hostess in town
or country will agree with the

$$
\begin{aligned}
& \text { of this paper, "the very worst, in- } \\
& \text { deed, is to have a spoiled child and } \\
& \text { his devoted slave of a mother stay } \\
& \text { with you for a few weeks. He eats }
\end{aligned}
$$

$$
\begin{aligned}
& \text { his devoted slave of a mother stay } \\
& \text { with you for a few weeks. He eats } \\
& \text { green fruit, regardless of advice, and }
\end{aligned}
$$ his ascent at 33 . Schumann died at

$$
\begin{aligned}
& \text { with you rest, regardless of advice, and } \\
& \text { green fruit } \\
& \text { is sick and peevish. If anyone is in }
\end{aligned}
$$ 46, and reached a plane that he

could not surpass when he was 35 .

$$
\begin{aligned}
& \text { is sick and peevish. If anyone is in in } \\
& \text { the hammock or porch-seats he can } \\
& \text { not be happy until he has tried every }
\end{aligned}
$$ Brahms is the only one who lived

$$
\begin{aligned}
& \text { not be happy until he has tried evers } \\
& \text { one of them. He interrupts all con } \\
& \text { versation with his desire for notice }
\end{aligned}
$$ had done when he was 35 years old.

At his death he was 6.3 .

$$
\begin{aligned}
& \text { versation with his desire for notic } \\
& \text { and praise. He is a nightmare a }
\end{aligned}
$$ men's Institutes.

$\qquad$ when sent into the parlor I alway go, for that is the part of wisdom .,

$$
\begin{aligned}
& \text { and praise. He is a nightmare at } \\
& \text { table, where his cold milik, hot water, } \\
& \text { toly }
\end{aligned}
$$

$$
\begin{aligned}
& \text { tea-and-sugar mixture, is either too } \\
& \text { teor } \\
& \text { hot or too cold, too sweet or too }
\end{aligned}
$$

$$
\begin{aligned}
& \text { hot or too cold, too sweet or too } \\
& \text { much, or he asks for articles of food }
\end{aligned}
$$

$$
\begin{aligned}
& \text { much, or he asks } \\
& \text { not on the table." Who does not } \\
& \text { know such a child, and who does not }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Again the open pages tie thefore me } \\
& \text { of the old report of the Women's }
\end{aligned}
$$

$$
\begin{aligned}
& \text { know such a child, and who does not } \\
& \text { commiserate its mother, even though } \\
& \text { she has no one to blame but her- } \\
& \text { self? }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Institutes. about which we had our } \\
& \text { litte chat a ortnight ago, and from } \\
& \text { them }
\end{aligned}
$$

$$
\begin{aligned}
& \text { little chat a fortnight ago, and from } \\
& \text { them I will venture to cull a few } \\
& \text { more wactical }
\end{aligned}
$$

$$
\begin{aligned}
& \text { them whil venture to cull a lew } \\
& \text { more practical utterances upon prac- } \\
& \text { tical topics. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { To berin with. one W. I. President, } \\
& \text { upon the subject of the co-operation }
\end{aligned}
$$

$$
\begin{aligned}
& \text { upon subject of the coperation } \\
& \text { of town and country ladies. says } \\
& \text { ond } \text { sf you have a subject which you } \\
& \text { "t yon }
\end{aligned}
$$

$$
\begin{aligned}
& \text { If you have a subject which you } \\
& \text { think pertains exclusicely to life in } \\
& \text { town }
\end{aligned}
$$

$$
\begin{aligned}
& \text { town, give it to some right clever } \\
& \text { country woman, insted of taking } \\
& \text { it for }
\end{aligned}
$$

$$
\begin{aligned}
& \text { with an excellent paper . Wery } \\
& \text { possible efiort should i, made to } \\
& \text { promote the free exchange of thoughts }
\end{aligned}
$$

$$
\begin{aligned}
& \text { promote the free exchange of thoughts } \\
& \text { and oppinins. In other words, make } \\
& \text { vour meetimes so itcersting }
\end{aligned}
$$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$ periences, failures and successes. In
this way we may bring out ideas, and set the hali rolling : ceen a lit-
tle gossip will do no harm. Not only may our meetings be a resort
for getting recipes to cater for our ur homes. but let us have intelleccomic story, for 1 believe we do not
laugh half enough to kepp ourselves © Before Forty " Theory.
The accompanying illustration,
showiny portratits of the Nobel prize
winners, is a rather striking refuta- gaining unreasonable ground during
recent wars, that the work of the ord. Ione revarded as a prodigr.

I have taken to-day's quotations
almost at random, leaving for another time several equally admirable
ones upon one or more of the varied ones upon one or more of the varied
subjects which were under discussion at the especian umpual meeting of
which we are speaking. 1 fut from one most remarkable paper, the re ing in facts and figures, from the pen of one of Canada's most well-
known lady physicians, i) Nac Murchy I 1 would desire to quote
more in detail. I will take first her
corine Cosing "ords, ". What will ontario
do about this?" as a very sufficient reason why the attention of the wocalled to an evil which is gaining Eround more and more amongst the
homes of our fair lond Murche's subject was that of people take medicine for ?." What then gives some well-authenticated facts to prove the danger of the prevailing remedies of the constituent parts of
which a total ignorance prevails, but which are almost without exception, not only useless, but positively dan
gerous to the human ssistem Ther first instance is of an old lady ". who disliked doctors," but was nine compound rhubart pills, several senna, three teaspromfuls of cascara. (va) considemel necessary wonder it

- 783

FEBAC 1RT 4, 19019


## Current Events.

Three large elevators will be built
at Fort william this year. Kaiser William * *elebrated his 50th
dirthdlay last weal The 1'rovince of Quebec was pracThe Province of Quebec wast of last
tically snowbound for a part
week An Finglish syndicate has been rormed to extract radium from the
pitchblend deposits of an old Cornish
copper mine. The. ('anadian Northern Railway propeses to build sundry connecting
links this year which will give the C. $\mathcal{M}$. R. an all-rail route from Que bec (its to Fdmonton
A Mennonite School
 torn down was ing and good substantial meals, the summer (1908s), The Mennonites do not consider it and replaced by right to take outh by swearing (only
a new modern, to affirm, and they will not go to
not up-to-date red- take up arms for war, and, as the
b,rick builling (rick hoilling Canadian Government gave them the
(s h ow n herewith), which
was opened last was opened last
September. Mr
John S . Thom John $S$. Thom- these people, as they are industrious, as, whose pic- successful, honest and peaceable. In
ture is given short, a Mennonite's promise is as here, has been good as his note. E. H. GOOD.
the teacher for


The old Bearinger Schoolhouse. house, and has been engaged for the are of the smallest scholars he had 34 years ago in the old schoolhouse.
The new schoolhouse is up-to-date in every respect, the inside being in every respect, the inside being furnished with the latest school furniture, hot-air furnace, 24 -in bell,
etc and is indeed a credit to the

## The Quiet Hour.

Telepathic Influence. Though I be absent in the flesh, yet with you in the spirit.-Col. ii.: 5 .


The New Bearinger Schoolhouse.
Weople of the section, which is solely That this else inexpressive life of mine , heart of the pioneer settlement of Impregnated with life and strength and the first Nennonses ina as early as
here from Pennsslvania hand,
$1 \times 12$ These people are very indu;- That I may carry it aloft 1.12. These people are very indur- And win the eye of weary wanderers here

Nor from this sol
Nor bid the sleppr. wah. wend
Nor still the storm, nor bend the light Nor multle up the thender Cor bid the chains fall from off creaBut I can live a life that tells on other And makes this world less full of anguish and of pain;
life that like the pebble dropped upor Sends its wide circles to a hundred May such a life be mine
Creator of true life, Thyself the life Thou Give Thyself, that Thou mayst dwell in me, and $I$ in Thee
Though people sometimes call this "a
material age," perhaps there never was material age," perhaps there never was
a time when psychological phenomena were more carefully noted and studied. mere more carefily noted and studied.
St. Paul's statement that he is with the
Colossian church in the "spirit," though Colossian church in the "spirit," though
absent in the "flesh," is not necessarily
a poetical figure of speech, but is quite a potical figure of speech, but is quite
a pootco
up-to-date and scientifically possible. In up-to-date and scientifically possible. In
a letter to the Corinthian church he commands them to hold a sort of ecclesiasumber who had committed a great sin, nd again he promises to be there to ery same letter he says : "I will tarry Ephesus until Pentecost
Modern cases of thought - transference are often very startling to us who don't
understand the laws which govern our own spirits. May I instance one or wo? One Sunday morning last summer a lady in Toronto was lying apparently said to the nurse, "I hear Canon Cayley praying for me, and I am going to get
He was praying for her by name in the church, at that hour. She told my niece that she heard the words
with perfect distinctness. Quackenbos says that when anyone is dying he is in
an intensely hypnotic state, and unusualan free from the restraining power of the body. Who can determine the telepathic
power of the human soul? power of the human soul?
Another instance of thought-transterence
occurred a few nights ago. It is rather ludicrous, but shows pretty conclusively
to my mind that thoughts can flash from o my mind that thoughts can flash from
mind to mind without bodily assistance. mind to mind without bodily assistance.
I was in the midst of long and connected dreams, between 3 o'clock and day-
light, when suddenly a cat seemed to light, when suddenly a cat seemed to
run before my dreaming eyes, and run before my dreaming eyes, and
jumped from the top of a high building. jumped from the top of a high building.
I thought nothing of it until I heard
that about that hour someone had leaned that about that hour someone had leaned
out of an upstairs window and dropped a cat to the ground. It could hardly
have been a coincidence, for nothing that have been a coincidence, for nothing tha
had gone before could have suggested such a dream.
1 was once reading aloud to a sick person when my brother walked along and
the sidewalk, shut the gate with a click,
and came in. He said, as he came into and came in. He said, as he came into
the room and saw the Bible: "You have been reading the tweilth chapter of Ecclesiastes, haven't you?" As a mat-
ter of fact, I had just finished reading ter of fact, I had just finished reading
that very chapter, so I was naturally thather startled.
Perhaps you may wonder why I fll up my space with such occurrences, as they
do not on the surface appear to be very do not on the surface appear to be very
helpful from a spiritual point of view helpful if you look at the matter more close ly you may see their bearing. It is a
truism that people influence others far truism that people influence others far
more by what they are than by what more by what they are than by what
they say or do. But how can the secret
thoughts of a man, or his secret character, influence others? Simply by this very fact of telepathy or thought-trans-
ference. The thoughts you cherish, the trence. The thoughts you cherish, the
thoughts which are slowly making you,
are leaping out without your knowledge or will, and affecting, for good or ill, your relations and acquaintances. Then that you should guard your thoughts.
and obey the Apostle's command to think The things that are true, honest, just,
 about the lost asses of his father, he
found himself expected. A choice portion of food had been especially reserved for
him, and Samuel told him that the asses were found and that his father was


FEBIUCARY 4. 1909
Now, Anxious
day for the little book mentioned.
unable to get it from your book-deale
write Dame Durden for my address, an will mail you mine to use until you can ver regret having procured one
Durham Co., Ont.
A round dozen or more have answered heartily. It is impossible to print all of ver for publication on some future occasion, when the subject will be new again, A portion of Scottie's letter, which di-
verged somewhat from the recipe, is given verged
below.

A Letter from Scottie Dear Dame Durden, -"The Farmer's Ad-
vocate" has just come in, and, after a in at the Nookers!,"nd join in for a tle. "The Shades just think cal "J $\qquad$ Shen you remember telling us how how padded up, that the little head could s
over the top. Many an hour my babi
ont pore po it close to the stood there. I could put it close to ther
window, that they could see out. I nev had a hired girl or relations to help me,
so you young women are just doing what so you young women are just
we all did before you. The yers slip
away fast, and you will soon have help; and, oh ! What is far better, companions.
I have four girls and two boys, and a arm, with the usual work, and let me whisper it-l make all their clothes, and ou will say $\frac{1}{1}$ am is giving you too much home news. It is to cheer you all up,
young wives-and remember the place of
honor you are all filling mothers of Canada. We are to have our Institute meeting to-morrow. Last winter I boned a turhave not been able to attend often, bu corner here.
How do you do, Lankshire Lass ? am glad to see you are able to write.
Are you abte to make your pies? r'd like to peep in and shake every hand in
Happy New Year. Middlese
Suggestions from "Liberty Liberty suggests that "Anxious Mother' rub her babe, all over, quite frequently
with olive oil, to strengthen it. Continuing, she gives the following in regard to cooking fish:
When fish were mentioned, I wondered When fish were mentioned, I wondered
if all knew how much nicer they are if the bones are removed before cooking. Begin where the head joins, and run the thumb under the bones near the back
bone. There is little or no waste, and they are easily removed. Did you ever
try dipping them in corn meal, instead try dipping them in corn meal
of flour ?
I like it much better

Success with Home Dyeing.
There is nothing magical about the art the expert is it is a one who has the abil-
ity to keep these facts in mind to draw from as the occasion requires. Dyeing has been looked upon from the viewpoin
of economy. It is the means that often has enabled many a hard-working mother and tastily dressed without drawing to heavily on the household funds that often run low. St also has an artistic
side which, in the hands of one who ha an eye for color and the knack of putting cogether colors that will harmonize, ha rooms of the old house into bright an
cheeriul retreats for tired souls. Dyein is an rducator. Dress the children in brigh. clean colors and they will be much
mo careful of such clothes than if thei garlumes are faded and worn dr in and remod
 ninge, it is a aroup of facts, and it is
fow of theme facts ohat we purpooes
state, so that anyone who wishes can state, so that anyone who wishes can be
as successful as the cultom dyer in the First, study the fallicic
First, make yoursolif familiar with the (ition of the difierent goods that we find on the market. This can be determined
sometimes by a simple examination, liut
often the oiten the mixture is of such a neture
that experts are taflled. (;enerally this can he determined by raveling out the
threads each way of the cloth, from a small piece, and trying them in a tlame.
coton burns freely without odor, wool giies out a disagreeable odor, as of
tarning horn or hair; silk burns less ireely than cotton, while mercerized cot-
ton masquerades in unexpected places as
silk, and often gives trouble to the unsuspecting dyer. All-wool material, like
ladies dress goods, etc., should be care
fully ripped, and cleaned by washing. ripped, and cleaned by washing,
care being taken about the use of soap,
as strong soap will dissolve the wion
$\qquad$ with clear hot water, doing this as long ily see, if the goods are uncleansed and
put into the dye bath in this condition,
that the old cye with the new dye, and the resulting color
will be a combination of the new colors, and not what you had reason to
expect. Here is where many failures are made.
The goods are oftentimes boiled in a The goods are oftentimes boiled in a
ye solution, much as one would boil
otatoes, and with as little attention, and the dyer wonders why bright, clean
shades were not obtained as shades were not obtained as a result of
such unthinking methods. Have your goods.as clean as possible and free from

The next step is the preparation of the
dye bath. This involves the selection dye bath. This involves the selection of
the dye that is adapted to the fiber to be dyed. Some are claiming that it makes
no particular difference what the goods are, that there are dyes that will color all time, and in the same bath. This same time, and in the same bath. This is true
only in a very limited sense. It is not true when you are seeking the best attainable results, as shown in the bright, The best results can only be obtained by adapting the dye to the particular fiber For wool and silk the goods. hese fibers, use a special dye for wool and silk, and you will secure the brilliant If the cotton dyes are used for such goods, a dull color will result, which will
show on the face of the goods when up that the article has boen re-dyed, and such colors are fugitive.
Our grandmothers knew better than Our grandmothers knew better than
this, and with the limited resources of this, and with the limited resources of
the indigo dye-pot in the chimney corner, the indigo dye-pot in che chimney cornar,
logwood chips, fusti, alum and bue vit-
riol, did good work, but they found that riol, did good work, but they found that
wool and cotton must be handled differently. And the dyers that have to-day all the grand combination of colors which the advent of the coal tar series has
placed at their disposal, will say with us that the affinities of the dyestuff and the goods to be dyed must be studied if you are to expect satisfactory and lasi-
ing results.


After deciding the directions carefully: no matter if solve and follow them to the letter. Dis-
sol
with hot water by boiling in a small dish. strain into the water
you intend to use for the dye bath ale ready heated and placed in a vessel larg dyce, enter the goods while moist, sti often. Keep the dye at hoiling heat for e cotton, or mixtures with cotton. le e temperature cool down before takin
t the goods. stirrink often during th

## Diamond Dyes and child

- My little Margaret had a very pretty dress made of light blue Lan-wne. She attended a children's party one day, and spilled ice cream al ver the skirt. I intended to throw it away, but for some reason packed
way in a box. "I was ransacking a closet with a friend one day, w
this dress and began to lament the unfortunate occurrence. "My friend asked me why I did not dye it with Diamond Dyes, and I
. replied i thought I couldn't get satisfactory results. She advised me to try
anyhow, and the next day I bought a package and proceeded to dye the dress. - It wave it the most beautiful brown color I have ever seen, and now the dress has been restored to its old-time place on the party peg.

"EASY TO KEEP CHILDREN WELL DRESSED."
We have five children in our family, and the two older girls are contantly outgrowing their dresses. It takes a good deal to dress five children. " Now. I have found that with Diamond Dyes I can make over the giris dresses, and they are just exactly as good as new for the little ones. the
doing this I find it wise to change, not only the color of the dress, but the way it is made, so it
"I color the dress some pretty, bright, fresh color, and make some changes in the trimmings to further disguise it. Sometimes the substitution
of different trimmings, especially if I make a new cap or jacket to match the of different trimmings, especially if I make a new cap or jacket to match the
dress is all that is necessary. I don't know how I would dress my children dress, is all that is necessary. I dont know how I would dress my chingren
without Diamond Dyes.

Important Facts About Goods to be Dyed.
Diamond Dyes are the standard of the world, and always give perfect results. You must be sure that you gel the real Diamond D.
of Diamond Dyes adapted to the article you intended to dye.
Beware of imitations of Diamond Dyes. Imitators who make only one find of dye claim that their imitations will color wool, silk or cotton ""all fabricu")
equally well. This clatim is false, because no dye that will give the fineas reaulth on wool, silik or other animal fibres can be sued as succesasfully for dyeing cotton linen or other vegetable fibreb. For this reason we make two kinds of Di,
Dyes, namely: Diamond Dyes for $\begin{aligned} & \text { Wool, end Dismond Dyes for Coton. }\end{aligned}$

Diamond Dyes for wool cannot be used for coloring cotton, linen or
ixed good byitare especially adapted for wool silk, or other animal fibres, mixed goods, but are especially adapted for wool, silk, or or the the thickly which take up the dye quickly.

Diamond Dyes for colton are especially adapled for cotton, linen, or
"Mixed Goods," also known as "Union Goods," are made chiefly or eitber cotton, linen, or other vegetable fibres. For this.

Diamond Dye Annual - Free Send unvor nome end addresen be burue Whether he ellis Ditemod Deal) and we will eend yous aop of ter

Wells \& Richardson Co.,Ltd.
200 Mountain Street, Montreal, P. Q.


A Letter from Perth.
Having read with great interest the
Edites
articles on subjects discussed in these
columns lately, I desire to join the Club
columns lately, I desire to join the Club
and give a few opinions.
With Crazy Kid (who, I think, dis-
guises himself terribly by his pen name,
as his writing was perfectly sane),
agree with Nero and Jane, and 1 cor-
tainly do side in with Crazy Kid as to
there being a lack of Christianity in the
youth of to-day. The majority of the
youth of to-day. The majority of the
young people of the present time are
young people of the present time are
frivolous, light - hearted, high - minded,
fiirty and careless, which makes it a hard
firivty and careless, which makes it a hard
task to get them to think seriously of
task
the future and accept Christ, to carry on
a heartelt courtship, or to maintain
a heartielt courtship, or to maintain a
true triendship; and as a result there are
more bachelors and "old maids" now
more bachelors and "old maids" now
than there were in former years, and my
than there were in former years, and my
opinion is that the population may soon
I
Iecreasie, instead of increase.
delieve that in a great many cases,
singleness is caused by having begun
courtship too young. I know a young
courtship too young. 1 know a young
girl 16 years of age, keeping company
with a man who drinks, swears, and uses
with a man who drinks, swears, and uses
tobacco in every form. Now, by the
tobacco in every form. Now, by the
time this girl becomes old enough to
time this girl becomes old enough to
marry, if she has her wisdom teeth, she
will
will, like too many others, have seen too may this be said: "A primrose by
$\qquad$
 Nulta dies sine linca.-No day without
something done.
Otium sine e littoris est mors.-Leisure
without literature is death.
Quanti est sapere.-How desirable is time to feel, nor cause Quanti est sapere.-How desirable is
wisdom or knowledge.
Esto quod esse videris is won at the cost of repeated efforts seem to be besse videris.-Be what yo
Aut inveniam viam aut faciam.-I shal
either find a way or make one. Audiatur et altera pars. -Let the other
side also be heard. Qui non proficit, deficit.-H
not advance goes backward.
Tempus fugit.-Time Tempusce fugit.-Time filies.
Tibi seris, tibi metis.Tibi seris, tibi metis.-You sow for
yourself, you reap for yourself,
Das Beste ist gut genug-(Ger.). best is good enough. Aide toi, et le ciel t' aidera-(Fr.). Aide toi, et le ciel $t^{\prime}$ aidera-(Fr.).-
Help yourself, and Heaven will held The Study of Literature and Art in Rural Home I am very much interested in the sub-
ject suggested for discussion in the Lit
erary Department. viz. Whether it is ject suggested for discussion in the Lit
erary Department, viz. Whether it
advisable for people of rural districts to advisable for people of rural districts
be interested in literature and art. It is particularly the literature part of the
question which interests me, and I thinls everyone should study literature.
I know of no other study which quick
ens the in ens thew imagination, makes which quick more worth living, strengthens the in
tellect, and awakens the sympathies a tellect, and awakens the sympathies as
this study does.
Take, for instance, the study of poetry and see how it develops the powers observation. Many of us are blind t
the beauty around us. of many of us as of the poet before his awakening as or this be said: "A primrose by
may ther river's brim, a yellow primrose was
the many disagreeable points about men, and
prefer a single, independent life, whereas
if she had waited she had waited a little longer, and
chosen better company to start with, re Now, in your January $\tau$ th issue, you ask for discussion on, Should people of
different tastes and temperaments marry? or is more happiness to be found in marrying someone "like one's self"?
think that this calls for the experience of the married, and not for the writings
of the single. But just allow me to press my opinion on the subject. Iaste and temperament are married, more immediately harmonious marreind, follows,
but take it for granted that they ar both high-tempered, conceited, or have
any of the sociled any of the so-called faults, these are not not
so apt to be corrected, whereas, if the
two partners are of different taste and temperamert, the good disposition in one
is sure to influence the other. Therefore. the standard of character. is Therefore,
raised higher in the long run, where
two partners are raised higher in the long run, where the
two partners are of different taste and
temperament, providing they agree and us that glory is veiled; it is as thougit us that glory is veiled; it is as though
our eyes were holden and we canno see. Then, one hoy, porhaps, we channce
to cead, The Splendor Falls on Castle Walls"'; we look toward the setting sun first time upon our startled vision the
splendor falls. A new world is opened to us. We see things beautiful and grand everywhere, and we begin to b
glad, with a gladness before unknown that we are living in such a lovely literature is because that study creates
desire for other study. We cannot
 "asar," without wanting to know somehing of the history of Rome; Scott's aphy of Scotland; Curchill's, "The
crisis,", to the history of the sla" 'The and the civil war, while the "Glimpse
Behind the Curtain". interests us in the politics of England in the days of Crom-
vell. There is no good literary work, which we can study in such a way as

## TRUE ECONOMY IN

 Organ Buyingdoes not mean you have saved tha amount of money. It really means you is an easy matter to steal $\$ 10$ to $\$ 20$ on the interior construction of an organ The purchaser will not know the differ ence-until the lower-priced organ ha been in use a few years, when th mechanism, the action, and bellows will commen and power.

Sherlock - Manning Organ
SherlockManning ORGAN and procure an honest instrument
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We will send a handsome present to those who FIRST or repair buildings where we can eflect sales of SAFE-LOCK or repair buildings where we can efect sales of SAFE-LOCK
SHINGLES, CORRUGATED SHEETS, SIDINGS or CLIL NGS. The buildings may be barns, houses, schoolhouses

We will also give THREE CASH PRIZES, as follows : $\$ 5.00$ in cash for the list which brings us the best business. 3.00 in cash for the list bringing the second best business. $\$ 2.00$ in cash for the list bringing the third best business ALL LISTS ARE TO BE SENT IN BY THE END OF FEB’Y. Names may be sent in at different times, and the person
sending in any name first gets the credit for it. So rush along at once the names of intending builders whom you know of now, THE METAL SHINGLE \& SIDING CO., LIMITED PRESTON, ONT.

# IN THE LEAD ror 1909 

The 1909 Model U. S. Cream Separators retain all features that have given them their great reputation for durability and efficiency, and have several improvements that make them even
to a greater extent than ever before, the ideal machine for dairymen who to a greater exter are posted and who demand the fircuitous and tortu-
Aid by intensifying the ous currents of the milk in its passage through the separator bowl, we have been able to Greatly Reduce the Diameter of the Bowls
which makes them operate easier than ever and still retain their great milk capacity. Notwithstanding most manufacturers were complaining all last year of dull times and small sales the UNITED STATES this fall season began, sales are lazger than last year Do not forget that the Uniled States has beaten every separator in endurance lests No dairyman can afford to purchase a 1909 Model
Sales agents in nearly every
VERMOITT FARIII MAGHINE CO, Bellows Falls, Vhe

## $\Longrightarrow$ NU U <br> incubators and

ist. Because there
goods on the market just as good s the Model Goods.
double the value give abou manufacturers do. in hatching chicks with the Model Incubators ors are as near perfect as is po sible to make them. We claim we have the best regulator on earth.
5th. Because you will find the Model the most simple machine to andle ; no cut-offs or other devices elves, ince sets regulate them season without change
6th. Because you can go to your
rest at night perfectly satisfie rest at night perfectly satisfied that care of the machine without the least anxiety or care on your part

Our 1909 catalogue is out, and

The Model Incubator Co., Ltdl., River St., Toronto


Brooders
aWarded highest honors at Toronto Industrial, Ottawa Winnipes Ex Exhibitions.
Twelve Reasons Why You Should
The Golden Dog

## Le Chien D'Or.

A Canadlan Historical Romance. Copyright, 1897, by L. C. Page \& Co. (Inc.) [Serial Eteghta Searred by the Wm. Weld Co., Led.., 7 th. Because all our machines
are manufactured of the best hardare manufactured of the best hard-
wood (chestnut) with double walls, and packed with wool.
8th. Because the Model Goods
are built for business are built for business, and to last a
lifetime
gth.
to 9 th. Because we do not attempt to compete with a lot of the poor
trash there is on the market. 1oth. Because we want you to try us just once. We know if yous
do we have made a life-long cus. tomer. Because the Model Broo ers take care of the chicks when 12 h. Because we could fill book with reasons why you should purchase Model Goods, but dont
know one reason know one reason why you should
not send us along your order and not send us al
give us a trial.
still trying to advance. Deschen
held up his hand deprecatingly. Gardeur," said he, with an air apparent contrition, "I was wron ten offer that toast. I had forg. ten the fair lady was your sister
retract the toast, since it is disa able to you, although all would hat been proud to drink it
Le Gardeur was as hard to appens as he was easy to excite to anger
He still held his drawn sword in hi hand.
." Come!" cried Bigot,
As hard to please as Villiers Ven dome, whom the King himself could not satisly. Deschenaux says he i
sorry. A gentleman cannot sa more; so shake hands and be friends
De Repentigny De Repentigny
Impervious to threats, and often
to reason, Le Cardeur could to reason, Le Ciardeur could not
sist an appeal to his generosity.
He sheathed his sword and held ou his hand with frank forgiveness
" Your apology is ample Sieur "Your apology is ample, Sieur Des
chenaux. I am satisfied you meant no affront to my sister! you mean weak point, messieurs," continued he looking firmly at the company, ready shadow of a sneer upon anyone's countenance. "I honor her as do the queen of heaven. Neither of
their names ought to be spole their , names ought to be spok "' Well said! Le Gardeur,'" right, shake hands and be friends again. Blessed are quarrels that ing out of feuds in wine. Take your seats, gentlemen
There was a general scramble back o the table. Bigot stood up in re" Valets !" cried he, " bring in now the largest cups! bring in
drink a toast five will drink a toast five fathoms deep, in
water of life strong enourh to Cleopatra's pearls, and to a jollier dame than Ekgpt's queen. But first we will make Le Gardeur de Repenpartners of the company of noble ers trading in New France." The valets flew in and out. In a
few moments the table was replenisw moments the table was replen-
ished with huge drinking-cups, silver flagons, and all the heavy impedimenta of the army of Bacchus.
: You are willing to become one us, and enter the jolly guild of of Grand Company ?" exclaimed the In-
tendant, taking Le Gardeur by the ${ }^{\text {hand. }}$ Yes, I am a stranger, and you sion,"' repied ine I clain admis-
Gardeur with drunken gravity, "a and by St. Pigot I will be true to the guild !."
Bigot kissed him on both cheeks
." Ryk a By By the kissed him on both cheeks
a boot of St. Benoit ! yo speak like the King of Yvetot. I
Gardeur de Repentigny, you are fit


You can measure my foot, Bi-
got," replied Le Gardeur, ${ }^{\text {Bi- }}$
satisfy the company that I am able satisfy the company that I am able
to wear the boot of St. Benoit."
"By jolly St. Chinon ! and you shall wear it, Le (iardeur," exclaim
ed Bigot, handing him a quart flagor of wine, which Le Cardeur drank
without drawing breath. That
boot fits." shouted the Intendant exultingly: "now for the chant !
will lead
stop the breath of any



READ THESE TWO LETTERS FROM A BANKEIB bear also in mind a signed contract goes with every bottle.


 omplicated case considered beyond hope, io using "Save-the-Horse" " you are not frittering away time
and money. SAVE-THE-HORSE" WIII Permanently Cure Under Any Test
 $\mathbf{5 . 0 0} \begin{aligned} & \text { per bottle with a written guar enteect as binding to protect you a } \\ & \text { make it. } \\ & \text {. }\end{aligned}$ ROY CHEMICAL CO., BINGHAMTON, N. Y., and 148 VAN HORN ST., TORONTO, ON

## $35 \underset{\substack{\text { choice } \\ \text { scotch-topped }}}{\substack{\text { Sch and }}}$ Shorthorns $_{\text {Autction }}^{\text {At }}$

On the Fair Grounts Pidectowa, Ontrio
February 9th, 1909, at 1 P. M.
 From thed ord of Earrert be This offering comprises one of the best
collections of Shorthorns ever sold in this part of Ontario, containing many ing Aberdeen Prince (imp.) $=60830=$, 9 choice cows with calves at foot or coming in soon, 12 yearling and two
year-old heifers, and 7 heifer calve year-old heifers, and 7 heif
For further notes see Gossip.

CAPT. T. E. ROBSON, Auctloneer

Are you a man who cares? If so, investigate the


## MAGNET

## Cream Separator

There has alway heen a desire onething bett than the averase- a machine better than the ordinary,
and these people are prepared to buy when they see ib,
and evpect to pav the manufacturer a reasonable and expect to pay the manufacturer, a reasonable
profit, knowing by experience that the superior article
pays better than the inferior if the first cost is a little
more. Large catalogue, sivins description of the pays bettarge catalogue, givine description of the
more Lat SUPORTED BOWL, SQUARE GEAR
DOLBLE SUPPO
CONSTRUCTION and PERFECT OPERATION,

THE PETRIE MFG. CO., LIMITED
Hatulton Winnipes. St. John. N. B. Regina. Sask. Calgary, alta.
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## He Bought Her a 1900 Washer

One of Our Readers Tells How Her Husband Learned

What Washday Means to a Woman.


## $\left\{\begin{array}{c}\text { F. A. N. Bach, Manager, } \\ \text { The 1900 Washer Co., } \\ 357 \text { Yonge St., Toronto, Canada. }\end{array}\right.$

That's all he said, but he lost no time
in
sending for their in sending for their Free Washer Book.
The book cane in due time, and with it
an offer to send the 1900 Gravity Washer an ofter to send the 1900 Gravity Washer
on thirty days free trial My Muband
jumped at the chance to. try the Wane
without having to spend a dent. We. We'll
 to send on the Washer.
It was sent promplly, all charges paid,
and the 1900 Wrosher Company orrered to
let us pay for it in little easy payments.
 six minutes to wash a tubful, and the
Earments come out spotessly clean.
We were all delighted with the Washer,
and wrote to the conpany that we would
 wouldnout part
times its ors
If women kne
what a wond


 old-fashioned washboard, and he will bo
only to glad to get you a 1900 Gravity
Washer. Washer.
Anybory can get one on free trial by
first writine for the Washer Boork. other
Don't be talked into buying any and Don't be talked into buying any other
machine there are nany rinitations but
none "just as good" as the 1900 Gravity Washer.
Excuse me for writing such a long let.
ter, but Ioper Mr. Editor, you will
print it to the benefit of the women ter, but ionope, Mr. Editor, you wion
print it for the beneft of the wome
readers of your valuabbe paper.
Sincerelv vours, MRS. J. H. SMTTH.
The secret of the easy operation of the 1900 washer is in the pecullar "s" tact with the clothes, and also has a removable tub. which is a sreat convenience. 100

LONDON, ENGLAND. IMPORTANT SALE
200 Reg'd Hackneys and High-class Harness Horses On TUESDAY, 9th MARCH, 1909
At the Repository, Cricklewood Lane, Cricklewood, London, England.
STALLIONS. BROOD MARES. HARNESS HORSES. The sale takes place the week following the close of the Great Hackney
Horse Show, when many prizewinners will be sold. Catalogues on application to: TICHENOR-GRAND COMPANY, Proprietors and Auctloneers.
$\qquad$ of the horse is an oiershoe which letters of appreciation to the invento
 Oreetco Oershons for horses are not, tent last year, the inventor has made ofle of rubler, though many horses in some notable improvements by the use of
cities do "far rubber heels. The new an ohlong link instead of a round one




Canada's Leading Horse Importers.

## Clydesdales and Hackneys

STALLIONS AND MARES.


Champions of two continents now on hand. If you want the best call on

## Graham Bros.,

Cairnbrosie" Stock Farm, CLAREMONT, ONT.
Claremont Station, C. P. R. Long-distgnce 'phone in house.

## Imporied Clydestalas and Hackneys by Auction <br> At the VILLAGE OF WINCHESTER, on <br> Wednesday, February 10th, 1909 , <br> MR. J. J. BLACK \& SON will sell, without reserve, , imp. Clydesdale. I Canadian-bred Clyde stallion, horse colt foal, 2 imp. Clyde mares, 2 imp. Hackney stallions, and 1 Standard- bred stallion. Every animal in this lot is a winner, and some of them are bred stallion. Every animal in this lot is a winner, and some of them are champions. A high-class lot. Terms: Two notes of 6 and 12 months, bearing interest at $4 \% ; 6 \%$ off for cash. Every animal guaranteed.

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| Why risk the loss of a valuable |
| :--- |
| Mare or Foal or bo:h of them when | hare or foal or both of them when

a payment of a few dollars would
indemnify you for such loss should
it
The General issues policies for 30 The 6 mont his or 12 months cover ing the mare with or withouc the
foal.
Farm Horses, Stallions, Castration, Cattle Insurance Prospectuses sent Free on demand. Agents wanted in unrepresented districts
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THE GENERAL Animals Insorance Co. of Canada. Mew York life builoing. CEPT. B
MONTEAL. P.a.
TRADE TOPIC
 worn, and with mail, are commonly
The and satisfaction have an advertisement in Costume Co nouncing that their new spring catalogue
will be sent free on request pany supplies costumes, dresses, waists
skirts, raincoats etc

## $=$

 Exhibition.
Edward Auld, of Edmonton, Altac is
reported as having recently purchased a reported as having recently purchased a
bunch of Thoroughbred and Standard-
bred horses in the States, which will le. bunch of Thoroughered
bred horses in the States, which will lie
shipped to Alberta in March. Mr.. Auld
intends to take a carload. of horset. intends to take a carload of horses
the Seattle Fxhibition next summer,
cluding some of this recent purchase.

An important auction sale of 200 rer istered Hackney stallions and brood marr istered Hackney stallions and brood mar

and high-class harness horses. is ad...
tised in this paper, to take place in I. don, Engiand, on Tuesday, March 9 th
at the close of the National Hackne
Horse Show. Catalogues Horse Show. Catalogues may be had
on application to the proprietors and
antionnears on apphes.
The number of animals registered
the American Jersey Cattle Club in 1 :nis
totalled 14.273 , and the number totalled 14,273 , and the number
transfers recorded was 15,433 a atat ment showing a steady increase and an
active demand, the transfers recorded in the month of December being 1,623, th
highest for any month in the history of
the Club the Club.
Attention is again directed to the ad-
vertisement of he auction ertisement of the auction sale of Clyde
dale, Hackney and Standard-bred, stal
lions, belonging to Messrs. J. J. Black tions, belonging to Messrs. J. J.
\& Son, at the village of Winchester.
das County, Ont., on Wednesday, das County. Ont., on Wednesday,
ruary 10 hb , when will be sold imported clydesdale stallions and mares,
two imported Hackney two imported Hackney stallions, and on
Standard-bred stallion. The terms Standard-bred stallion. The term
sale are easy, nnd the horses insury Mr. F. Dyment, Gilead $\begin{aligned} & \text { Mprings Farm, } \\ & \text { Copetown, Ont.. Writes: My sales of }\end{aligned}$ ponies during the past month have been
good. Io Mr. W. T. Smith, of Glan-
iord, ihree fuals of $1908 ;$ and to Mr. A. G. Cooke, Notre Dame du Lans, Quebec,
one par or mathet filles rising two and
three vears, respectively, as good as car
be found. Have still fin a be iound. Have still a few single as can
and matched pairs, and a few, foals of
and
 allo, supply harness and rigs, all of which
".. will quote as low as possible on aip
$\qquad$


[^1]
## MakeYour0wn Stock Food.

One pound of Barnes English Compound makes tood, by mixing it with three pounds of linseed meal. pounds of corn meal. As a condi equal. Postpaid on receipt of 500 money order or stamps. Addres S. G. Amsden, Windsor,



Liquor and Tobacco Habits. A. mgTAGGART, m. D., C. M.,
Yonge Street. Toronto. Canada and as to Dr. McTaggart - pr
R. Mercerive prath, Chief Justice

THE FARMER'S ADVOCATE


Replace Your Broken-down Wheels With Our Wide-tire Steel Wheels.
Have you a wagon that is all right except for the wheels, why not get a set of our Low Wide-tire Steel Wheels?
They are made to fit any axle. Lighter, stronger mure durable than wooden. Make your wagon good as new. Dominion Wrousht Iron Wheel Co., Ltd., Orillia, Ont.




nNEW IMPORTATION OF CLYDESDALES. My new importation of Clydesdales are now in my stables: 14 statlions 2 fillies. Visitory
will find them as chuice a lota as ever seen in Canada. Big. full of styie and quality, and red right T. D. ELLIOTT. Bolton, Ontario, P. O. and Station IMPORTED CLYDESDALES, SHORTHORNS AND SHROPSHIRES

 $\qquad$ ES IMPORTED CLYDESDALES
 IMPORTED CLYDESDALES家
 Clydesdales Hightases (imp) mares. for ant right

l$\mathrm{R}^{\text {atiol trinat mbnt }}$


 Ranoor Terferwo fisi dow






 Thos. Renataterod by The Ratiol Contreal.

MR. A. I HICKMAN Court Lodse, Egerton, Kent, Ensland,

 sell Hotel, Glowct ster. Eng.. duri,
he Royal show, and will be plea
oreign and colon ial visitors there.
Dr. Bell's Veterimary Medical wonder and kidneys. The 2oth-ommary wonder. Agente rated in every county. Writy for terms. Agent.
DR. BRIL. V. S. Kinsston, Ont. For Sale: Suffulk Punch Sialions Sired by pure-hred Suffolk Punch stallion Ontario.
One brown, 6 years old : one s...rrel. 4 years old. One brown. 6 years old ; one s.rrel. 4 years old.
THOS. KNAGGS. VANDECAR. ONT. For Exchange Mandsome Chestnut $15.21 / 2$ hands hish. Sired by Prine Regent dam
Nelline Rooker. Will exchange for sound general Nellie Rooker Will exchan
purpoce Serd fuil particula
Advocate. Londoon. Ont.
For Sale! Percheron and French Draft Duroc. Jersey Swine. both sexes.
JACOB STEINMAN. NEW HAMBURG, ONT Oalv a stone's throw from G. T. R. depor. Shires, Shorthorns and Lincolns
 And Lincolns of both sexes. $\underset{\text { John Gardhouse \& \& Sons. Hish Station. }}{\substack{\text { Hisheld, } \\ \text { Wht }}}$
 dition aftle's Elixir has put many injur
 DALGETY BROS


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Make the Lame Horse as Sound as Ever-Keep Every Horse in Prime Condition With

## Tuttle's Elixir



No other remedy has such a record for cur hg spavin lameness, splints, curbs, shoe boils,
thrush, swellings, cuts, etc., as well as colic, founder and distemper. etc., as well as colic, and safe remedy for all the Tuttle's Elixir has proved itself the dependable and safe remedy for all the ailments mentioned, and has won aud proved

Makes Best Leg and Body Wash as proved by the fact that it is the only. lotion used by owners of most
famous race horses. Send for the proofs. And let us tell you why Tuttle's

Valuable Veterinary Book, FREE

 White Star Liniment-American Condition Powders-American Worm Powders and Hoof
Ointment
Ansk your dealer for Tuttle's Remediss, If not there Ask your dealer for Tuttle's Remediss. If not there, we'll send by express. Don't experi-
ment. Get Tuate' and be sure Write us now for the Feee book.
TUTTLE'S ELISXIR COMPANY, 62 Gabrial Street, Montreal, Canada 66 Beverl. Street, BOSTON, MASS.

Clydesdale Stallions and Mares! A fresh lot hav just arrived, including many prizewinners. Some
extra big ones. Prices right. Inspection invited.
$\qquad$ LONDON, ONTARIO


Imported Clydesdale Stallion to Rent "Lard Cathcart" Imp

 $\qquad$
Oak Park Stock Farm Co., Ltd., heive at profent of orate hatedive
 JAS. J. BROWN. Manager, BRANTFORD IMPORTED SHIRES A. at sumane DR. C. K. GEARY, St. Thomas, Ont.

## IMPORTED <br> Percherons

15
Selected Percheron Stallions, 2 to 6 years old, blacks an
greys, landed December 19o8, all in Dood shap roth. doing well. The best imper tation we have ever made. All bred by the best breeders in
France. Are big, wide horses France. Are big, wide horses,
with the best of feet and legs, Also TWO HACKNEYS, right kind. These horses an and on easy terms. Stables in Hamilton \& Hawthorne,
$\qquad$
$\qquad$





Ormsby Grange Stock Farm, ORMSTOWN, P. O .
duncan mceachran. f.r. ©. V. S.. D. V.S.
limpurand bead of CLYDESDALES.




## STAMMERERS


 ticulars and references sent on request.
THE ARNOTT INSTITUTE

## RHEUMATISM.

 BLAR' SGOUT \& RHEUMATIC PILL.


Miscellaneous.

## Itability for note <br>  <br> 



## 


age of fat in the milk to any extent
vorth mentioning, but, of course. can in-
rease the total quantity of milk given. FEEDING LAMBS. Have some (6) lambs, fattening for
spring market; have them housed in part
of an old hay barn. They have access
Thich of an old hay barn. They have access
to the driving floor, which is open to
the roof, and botom part of hay mow,
six feet high. which has at present some the root, and botich has at present some
six feet high, which hat have
corn fodder stored ubove. They have
plenty of room for exercise and ample
ventilation, but are not permitted to run entiation, Sut are not permitted to run
in the yard. Their food consists of field-
cured fodder-corn, cut into hali-inch
lengths, and pulped roots, mixed, mornlengths, and pulped roots, feed of clover
ing and evening: a small
hay at noon, and a grain ration of half
pound mixed peas and oots per day.
They They are not thriving as they should,
and their wool is constantly wet, or
amp. They have good appetites, al-
days ready for their feed. Would you
way
 and suggest something that would give
nore satisfactory results?

stock-varos Horse Exchange





$\underset{\text { HRRBERT SMITH, Mangear. }}{\text { (Late Grand's Repository.) }}$
NEW GLYDESDALE IMPORTATION.

 T. H. HASSARD, MARKHAM, ONT.




Imported Clydesdales

WM. COLQUHOUN,
MITCHELL, ONT.
SUBSCRIBE FOR "THE FARMER'S ADVOCATE AND HOME MAGAZINE.


Combination Sale of Imported and Canadian－bred SCOTCH SHORTHORNS

At Woodstock Sale Pavilion，on March 4，＇09， 1 p．m． The offering comprises many animals of high merit and breeding，two of the bulls being imported，and the others mostly eligible for American Herdbook．The
females are young and mostly bred to first－class bulls．Contributors are：

| Mr．J．T．Gibson，Denfield ； | T．E．Robson，London； |
| :--- | :--- |
| Wm．Waldie，Stratford； | H．J．Davis，Woodstock． |

H．J．Davis，Woodstock，Ont．


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The Canadian Way to the Canadian West．
 through palace and TOURIST SLEEPING CARS From Toronto Daily at $10.15 \mathrm{p} . \mathrm{m}$ ． W．FULTON AGENT


POTAIO PIANTER


 \｜TS $\begin{gathered}\text { For proof that fist can } \\ \text { be cured } \\ \text { crite }\end{gathered}$

 Irench＇s Remedies，Limited，Dublinn． ABERDEEN－ANGUS CATTLE！

$$
\begin{aligned}
& \text { FOR SALE: Some of the } \\
& \text { Several fine heifers; also chus. } \\
& \text { of bulls. Apply: MANGGER }
\end{aligned}
$$ grape grange farm，clarhsburg．ont Angus Cattle for Sale

 J．w burt，Coningsby p．o．．U．
 Angus walter hall，

## FUUNRS－－HIDES <br> \author{ Write for Weokly Prioe Lista． 

 <br> Shipments Solicited．} JOHN HALLAM ORONTO，ONT．
## Poultry Tonic

increases egg production．
CURES DISEASE
／2 lbs．25c．By Mall， 350


THE HACKNEY STOCK TONIC COMPANY，TORONTO，ONTARIO
10
Imported Scotch Shorthorn Bulls \｜O

 fred．barnett．manager．J．F．mitchell，burlington，ont

WE ARE PRICING VERY REASONABLY
10 cminecty beece vous Shorthorn Bulls

valley home Shorthorns and Berkshires

Pleasant Valley Herd

 GEO．AMOS \＆SON，Moffat Station and P．O
Moffat is 11 miles east of Guelph on C．P．R．

First Sale of Salem Shorthorns，Feb．3， 1909 J．A．WATT，SALEM，ONT．ELORA，G．T．R．AND C．P．R． AN OPPORTUNITY Shorthorn Bulls MAPLE SHADE FARM． $\qquad$ ONS：！ MYRTLE，C．P．R．
BROOKLIN，G． SUBSCRIBE FOR＂THE FARMER＇S ADVOCATE AND HOME MAGAZINE

FEBRUAII: 1,1909
QUESTIONS AND ANSWERS Miscellaneous.

ADMINISTERING AN ESTATE Is there any definite time prescribed by died without a will, should, or is r quired to begin proceedings for adminis tration papers? Subscriber. Ontario
Ans.-No; but generally speaking,
should be attended to without any dela
and that may be reasonably avoided. Jus how urge ainly depend upon the circumstances the estate and those PRUNING IN COLD WEATHER Would it be injurious to apple trees t
trim them in the cold winter weather? Ans.-In cold climates it is generally
onsidered advisablo to delay the pruning until the cold winter weather is past.
In the part of Ontario (Welland Co. oruning of apple trees in late winter safe. June is by many considered th best time for pruning, but on many farn
bis is a busy season, and if left this is a busy season, and if left till
the work is liable to be neglected. RINGWORM. ringworm on cattle. Ans.-In an extended experience, have never failed to cure ringworm b
the application of a mixture of sulphur and lard well rubbed in, and repeated, necessary. A little coal oil added in
proves the mixture. The action of th ixture will be surer and quicker if the cale is first washed with warm soap
fuds, and the scale broken up with the niger naits. The hands should be we
deaned arter handling ringworm. leaned arter handling ringworm, as it
as been in some cases, contracted by
nen. Softening the scales with sweet oi men. dressing with tincture of iodine every
and as long as necessary, is a profe

## CORN FOR HUSKING

 corn and 50 per cent. Duke's ImprovedSweet be a profitable mixture as a huskAns. - It would not be advisable to
lant these varieties together for husking lant these varieties together for husking,
as Duke's Improved Sweet is not suitable as Duke's Improved Sweet is not suita
or the purpose, being a sweet corn such s canning factories use, and for tab
purposes. It is also of great value f
ate summer and fall feeding of mil ate summer and fall feeding of milch n a green state.
It has a large and very leafy stock small bit of land, where it is not planted
oo thickly. Three grains in a hill, thre leet eight inches apart, each way, For Northumberland County, Compton's
alone is a good husking corn; King Phil
lip, Longellow, or North Dakota, would also be good, but best of all would b
an early type of White Cap Yellow Dent REGISTERING SHROPSHIRES hire lambs at a sale, how should I proceed 10 have them registered in my name '
What are the terms to become a member
of that asiociation (Shronshire lireederac') There any help for a young co
$\qquad$
$\qquad$
$\qquad$
$\qquad$
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$\qquad$
$\qquad$


DR. HESS POULTRY PAN-A-CE-A Sicess with poultry is an assured fact mhen you give dalif\%


 INSTANT LOUSE KILIER KILS LICE

Scotch Shorthorns Canad.s greateil TWO IMP. BULLS $S$ of exellent quality

 ated GE. GIERR. Gra
Scotch

|  |  |  |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |
| One pair of bay mares and one dark brown, heavydraft and wo pring olst |  |  |
| JAMES McARTHUR, Gobles, Ontario. |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Shorthorn Cattle A. Edward Meyer,



SHORTHORNS!

 $\underset{\text { M.C.Ry. }}{\text { SCOTT }}$ BROS., HIGHGATE, ONT.
 WM. GRAINGER \& sON. Lonneshors. Ontario. Shorthorns, Cotso
Berkshires.
In Shorthorns, over 50
 Nawe and ram and ewe lambs. In

Chas. E. Bonnycastle, Campbellford, Ont. | Chas. E. Bonnycastle, Campbellford, Ont |
| :--- |
| Poot Office and Stethon. |
| Spring Valley Shorthoris. |


 Kyle Bros., Ayr, Ont., P. O. and Station Greengill Shorthorns!
 R. Mitchell \& Sons, Nelson P. O., Ont.
 and prices mailed free.
Bowmanville, Ont

seus on ENGOLNE


FEBRUARY 4， 1909
QUESTIONS AND ANSWERS Miscellaneous．

PEOPLE SAID SHE HAD CONSUMPTION


Was in Bed for Three Months.
Read how Mrs. T. G. Buck, Bracehridge, DR, W0
DR. WOOD'S MORWAY PINE SYRUP She writes: "I thought I would write
and let you know the benefit I have re-
 Norway Pind syrup. Aftow yearrago I midi I had Cungumption and that Twould torat stitindingmone and they wero very muoch clammed about moi I was in bod throe no had to go on my hadots and noweer for throe wooko, nond my limbon hemed of for ueo to moitig gevo ip all hopea of ever

 thooght woold try a ontte and by tho more and it made osomplet orr my langs.and it curved him I keep it in tho out it for anyshing,"
 Imituon ofl frot Nood Norway Pino
 Hampshire Down Sheep.

SPLENDID MUTTON GOOD WOOL, GREAT WEIGH
This highly valuable
ENGLISH BREED OF SHEE is univalled in its rapid and
WONDERFULLY EARLY MATURIT hardiness of constitution, adapted to
all climates. and in पuality of MUTTON AND LARGE PROPORTION Of
LEAN MEAT IS UNSURPASSED Full information of
Secretary, Hampshire Down Sheep Breeders' Assoclation.
salisbury
england.

## On the plantation the dairy hands were

 accustondown in
winer introduced milking stools along The boy who first salliededert with with
the stool returned t, iruised and thatered the stoon
and
with
and


THE FARMER'S ADVOCATE

QUESTIONS AND ANSWERS Miscellaneous.

MAile Lost her colt
Have a mare getting up in years. Los
a colt eight months after service. bred her again, and she lost the nex one at six months and 14 days gone
Would you advise breeding would you advise letting her rest a year? Ans.-hetter let her go a year with PINK ROT ON SPIES,

 rotten on the trees; some had a piece
rot the size larger, and some were all potten. hand-picked them and laid them on a
platform on rotting in that way, and noy kept they are nearly all gone. $1 t$ is a soft, pink
ish rot. When it starts in the takes it about three weeks to finish it
It doesn't hurt any kind only the Spies I don't think it was for the want of
spraying, for they were nearly harvesting before the roat started, and
then it would start on a clear spot you can tell me how to prevent it
other year you will oblige a reade Ans.-From your account of the Proy
with your apples, crop had been affected with the fungous
disease commonly known as "Pink Rot This fungus usually gives most trouble on
fruit while in storage, although, of
course, the enpor course, the spores from which the disease
develops get a foothold while yet upon the trees.
The mon the fruit and many other ills affecting the apple
crop Crop is thorough and systematic spray
ing. In fact, the man who has a doza
or more trees of or more trees of apples, cannot well at
ford to neglect spraying.
For full information regarding the prep aration of spraying mixtures, and time
and method of applying them, I would refer you to Bulletin 144 of the Ontario
Agricultural College, on "Apple Culture,",
copies copies of which may be had upon appli-
cation to the Department of Agriculture Toronto. "The Fepartment of Agriculture,
publishes concise spraving Advocate" als publish
year.
0.
FLAXSEED, OIL CAKE, AND I would like to know the relative fee
ng value of linseed meal and oill-caka meal, when the former is worth oil-cal
wice as
wishe wice as much as the latter, which orth ahout $\$ 33$ per ton; also what a
heir feeding values as compared with peas at 80 cents a bushel? I amm feed
ing a number of cattle, and would lomer now what is the most profitable to buy and barley chop, to fatten cattixe. Al
would like to know how would like to know how many pounds
mixed oats and barley chop. one. respectively, would be equivalent
1 pound each linseed meal and oill cake Ans.-nil cake at $\$ 33$ per ton is ver解 as to their relative money value per ton
and therefore I final it impossible to sul and therefore I find it impossible to say
exacty which of the foods would
cheaן,er. wiz. oil cake at $\$ 33$ per ton,

Pine Grove Yorkshires J. Featherstone \&. Son, Streetsville, Ont


## E <br> MONKLAND YORKSHIRES <br> JAMES WILSON \& SONS FERGUS, ONTARIO

Newcastle Stock Farm Duroc - Jersey swine

OHO IMPROVED CHESIER WHIIES.-Lar


> Caldwell's Meal
> NON-MEDICATED seeding meal for all clasee
of stock. Its most importan element is derived from pur For Cattle, Horses, Sheep, Hogs. $\begin{gathered}\text { particle of sugar beet, }{ }^{\text {l }} \text { lasses or pulp enters into }\end{gathered}$ tuted for a part of the ordinary food a perfect balanced ration is formed, A. C. CALDWELL, EAST TORONTO, ONTARIO. price. freight prepaid. \$34.00 PER ton,

| S | HAMPSHIRE DOWN SHEEP |
| :---: | :---: |
| I am offering 20 choice shearling Shrops ewes of my own breeding, from inp. Min and Butar dams, and bred to a firstc imp. ramm; also 20 extra good Cotsw |  |
| HN MILLER, Brousham, Ontario. Claremont Stn., C.P.R. | IMPORTED HORNED DORSETS <br> Thave for sale a few of both sexes, the get <br> of last year's champion all round the circuit. <br> Imp. Romul of Dorsets. <br> JAS. ROBERTSON \& SONS, MIIton P.O. and Sta.. C.P.R. and G.T.R. <br> Sta., C.P.R. and G.T.R. <br> Advocate Advertisers Reap Results. |
| FAIRVIEW SHROPSHIRE EWES <br> For sale at very moderate prices. <br> They were sired by a champion ram. <br> And are being bred to another champion. <br> Are of first-class type and quality. <br> J. \&. D. J. CAMPBELL, WOODVILLE, ONTARIO. |  |
|  |  |
|  |  |

SOUTHDOWNS 10 good yearling rams, including the first and thir AND COLLIES. ewes, which must be sold, as the flock is being reduced.
 We have 50 yearling ewes, all bred to our im.
ported
both sexes.
anted
and




Write for our COMPLEEE
PRICE LISTS. E. T. CARTER \& CO. We pay all
EXPRESS Charges. PROMPT REIURNS.

| Oxford Down Sheep, Shorthorn Cat Hoss. - Present offering: Lambs of either sex. Fo$\begin{array}{c}\text { prices, etc. write to } \\ \text { Buena Vista Farm. }\end{array}$ <br> $\begin{array}{l}\text { John Cousins \& Sons, } \\ \text { Harriston, Ont }\end{array}$ |  |
| :---: | :---: |
| Hilton Stock Farm Holsteins and | of both sexes. Guarantecd as repre- <br> w. w. brownridge, ashgrove, ontario Milton. C. P. R: Georretown (: T B |
| R. O. MORROW \& SON. Hilton, Ont | FOR SALE: SOME VERY CHOICE CHESTER WHITE YOUNG SOWS Bred to farrow in Narch el |
| GROVE YORKSHIRES | Will be sold reasonable. $\Lambda_{\text {P }}$ |
|  | Daniel DeCourcy. Bornholm. 0 |
| ages. We have one type, and that hemost aporoved. Wc, sell on the | LD |
|  | HRES |
| gal P.O., Ont. Mcter Shedden Sta. |  |



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## MEN, LOOK HERE!

Even Until Old Age You May Feel the Vigor of Youth, with its Light Heart, Elastic Step, Courage and Tireless Energy, You May Be Free from Pains and Defy Your Years

Varicocele, Spermatorrhoea, Losses and Drains, and All Ailments which Destroy Manhood's Vigor, are Cured by Dr. McLaughlin's Eleotric Belt.

## Free With Electric Suspensory for Weak Men.

Sends the current to the prostate gland, the seat of all weakness. It develops and expands weak organs and checks losses. No case of weakness can resist it. FREE WITH BELTS FOR WEAK MEN

ants to be stronger is meak, broken down, old and decrepit in physical weakness, full of pains and aches. gloomy, despondent and cheorless - any man who who are afficted with nervous debility, who get up tired in the morning, have Beckeche, Rhoumatism, Stomach, Liver, Bladder and Kidney Trouble, who are constipaced. or suffering from nerve or muscle weakness or some forms of Paralysis and Locomotor Ataxia. I don't want money that I don't earn. I don' spending all they earn on drugs-dope that is paralyzing their vital organs-that have spent all they have earned for yoars without gaining a pound of strongth or the hundrede of dollare wested.
many cases right here that I can prove my clains to you, but if that proof is not enough T'll give you the names of men right near you-where you are. In that laint many cases right here that I can prove my claius to you, but if that proof is not enough r 'll give you the names of men right near you-where you are, Is that faing
Most of the belts that I am selling now are to men who have been sent here by their friends whom I have cured. I think that is the best evidence that my business is a success from the standpoint of cures, as well as on the dollar side.
Just lately I have received letters of praise from these men who have used my

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for the boys who are arriving periodidally from Eng
hind land to be placed in this country. The young immin
Erants a mose mostly between 11 and 13 years of age

 BRTOKS' MEW CURE Rapin - pulaceo row ror为



$\cong$Nhy Canadian farmer who er- Look saingies in use for more thap thos causing a leak roof. Tikhtuit minsurance policy io conueetion
simingiles.
We give it to you without any conaitions whateoever, except that
roof with fafo Liock hhingles.
Such an offer is unprecedent Sich an offer is unprecedented, but
ve can aforit to mate it because we know absolutely that Safe Lock
shingles will insure safety from lightining:
Cit is absolutely free You do not tion, either directly or indirectly. Insurance records show that nearly one half the fire losses on barns in
Canada resalt from lightning Canada result from lightning. This
loss, running into the handreds of loss, running into the handreds of
thonisule of dollers, ean to entifely prevented if safe Fock Shingles are used. We We know this, and we hack up our
statement with a Free Insurance Poicy payable under its terms in cash Sare Lrock Shingles are sola at the
same price as shingles kiown to bo same price as shingles known to be
inferior in quality of steel, galvanizing and construction.
We have been mannfacturing safe
Lock Shingles for over ten reg Lock Shingles for over ten years, and
roofs laid when we started in business are still "as good as new," to quote from hundreds of letters we have o file in our office from our pleased and satisfied customers.
cost one cent for repairs of any sort In all these years no building covered with Safe Lock Roofing
been destroyed by lightning.

Do you know that Safe Lock Shingles fully meot the rigid require
ments of the British Government ments of the British Government for
Admiralty and other public service Admiralty and other public service
Think what that means. Let us illu:trate.
Every farmer knows from experiénc that ordinary gavanized fexcing sel-
dom lasts longer than two or three years wisthout showing signs of rust On the other hand, galvanized wire
for Government use gives years and for Government use gives years an
years of service, owing to the spleadi galvanizing insisted upon. Safe Lock Shingles are galvanized \% H the same as there may be depend wire, and
pects to build or re-roof his ten years show no signs of wear. Safe Took shingles cannot bo
 ... therefore may be depended upon to that these shingles Another objection is "therefore may be depended upon to that these shingles are apt to spread Tig. 2 shows the side locks. Note
give long service. We really do not apart owing to the warping of the the deep firm grip which allows
know how long they will last. Safe sheeting to which they are nailed, ample room for expansion and



SAFE LOCK SHINGLES are the only shingles that-

1. Give you a positive guaranty against Lightning, backed up by a policy signed and guaranteed by the manufacturers.
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3. Lock on four sides, and cannot be pulled apart.
4. Have three (3) thicknesses of metal along upper edge at point of greatest strain.
5. Completely protect nails from weather.
6. Have edges galvanized after being cut to exact size.
name Safe Lock
No otl
Shingle.
where the greatest strain the pome
safe Lock Shingles lock positively With Safe Lock Shingles the
ather shingles nails are driven full length into
enough for aro sides. This is not the peculiar lock construction by
roof. We know of many, durable any possibility of water backing
of buildings covered with these up and starting rust.
shingles being entirely unroofed in

## NO FAN NO TANK

 N0 FREEZANG

THE CENTRAL NURSERIES At the front as usual with a a well-assorted stock of Apple,
Pear, Plum, Cherry, Peach and OOnamental Trees, Shrubs, Pear, Plum, Cherry, Peach and Ornamental Trees, Shrubs, Roses, Small-fruit Prants, Evergreens, etc. All weltgrown
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[^0]:    While the growth and delivery

[^1]:    TRADE TOPIC.

