

VoL. XLVI.
LONDON, ONTARIO, JANUARY 19, 1911.
No. 956

## Do your baking with

## flour made exclusively of

the HIGIH-GRADE constituents
of the HARD-WHEAT berry

Have you ever baked with flour made exclusively of the high-grade constituents of the hard-wheat berry? If you haven't, now is the time to try PURITY Flour.
Only the cream of the Manitoba hard wheat-the best wheat in the world-is used for PURITY Flour. More than that, only a portion of the flour milled from this wheat goes into the sacks and barrels branded PURITY.
PURITY Flour consists exclusively of the high-grade constituents or portions of the Manitoba hard wheat berry
Every wheat berry has both lowgrade and high-grade constituents which are separated during our proc ess of milling. So exact is our proc ess that it entirely eliminates all the low-grade portions from the flour, which is finally branded PURITY The greater strength of P('RIT) Flour makes it go farther in the baking. With it you can make
whone lomead \&
more loaves to the sack or barrel than you have ever succeeded in doing before. The loaves will be more nutritious, too, because they contain the high-quality gluten, tarch, phosphates and other mus-cle-building and blood-enriching elements of the hard-wheat berry
Vaturally flour that consists exclusively of the high-grade constituents of the best hard wheat has greater strength and nutriment, superior color, more delicate flavor
If you'll just try to realize fully what it means to your cooking reputation you'll soon be using PIIRITY Flour.
Of course, PliRITY Flour will cost

you a few cents more than lowergrade hard-wheat flour or softwheat flour.
But PURITY is very economical because it makes "More bread and better bread." The cost per loaf is no more than when using weaker flour, and the food value is much greater.
Tell your grocer you are in a hurry to try PURITY Flour. He will supply you promptly.
When you see the batch of beautiful snow-white loaves, with their soft, evenlytextured crumb and dainty golden-brown crust, youll be proud of your succest
with PURITY Flour. When you taste with pory the superb flavor of such high class bread you'll be prouder still.
If you don't want to buy a large sack or barrel, you can get a small bag. PURITY is packed in 7, 14, 24, 49 and 98 pound sacks. Also in barrels and half barrels.
Make certain the PURITY trade-make is on the sack or barrel you buy, for that is your guide to the strong, reliable, highquality flour that makes
betterbiread.'

## How do you Judgefencing?

Are you an expert". Do you know a good piece of fencing when you examine it? Or do you judge a certain make of fencing from the records it has made with your neighbors

No matter how you judge fencing, you'll find the quality of the LEADER FENCE fully up to your standard. It's a fence you can purchase with confidence, for our name stands high in the estimation of fence buyers. ()ur long experience and our reputation are a guarantee that LEADER FENCE is top-notch in every respect.

Built throughout of No. 9 hard steel wire, with a double-grip lock, and galvanized according to our own specifications, the LEADER FENCE will give you last ing service. It is built to withstand the severe extremes of the Canadian climate. You cannot buy more value
for your money. If yon pay less than the LEADER price you simply get lower quality.
Send for our booklet It contains fence facts you will be glad to know It describes the LEADER FENCE and the double grip lock in a clear and interesting manner. It is a booklet you ought to have in your hand this very minute. We will also send a LEADER FENCE lock free if you'll ask us for one.
 FENCE

Tell us if you are am. bitious to BECOME AN agext for a complete line of farm and omamental fence and gates. We've a good proposition for unrepresented districts LEADER FENCE is a wonderful seller-and we heartily co-operate with our agents in securing sales.

Frame \& Hay Fence Co.

Do You Want a Reliable Manì the salvation army Immigration el colonization DEPARTMENT
 eading Immigration Soclety in 910-11, continue its fforts to supply

FARM HELP and Domestic Servants. Co Kanized to to tail early in the spring BRIGADIER H. MORRIS, lead office James and Albert St
TORONIO. ONT MORONIO. ONT. frice for western Ontaray 396 Clarence St. $\begin{aligned} & \text { Costern Ontario. } \\ & \text { Ondon. Ontar }\end{aligned}$

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 DONT BE STISFIED with any
style of liter carrier that is oftered to
you. If possibie, see different make


 Br

 It is simple in construction, and is built tola, a a lifetime. We wue double purchave in lifting, and have a straight opro.k ket-chain co nection for lifting,
with which it it in ossible frms use a worm.gear lif, and with an emfficiency of from $50 \%$ 'o $80 \%$. Moo
 Send us a skeich showing the lay-ot of your stables, with measurements
thereon, and let us know wher then be pleansed to kivew where you with the liter carrier to rin. We will
complete infurnation. Now it the time when a liter carrier is most uveful, and you should pet
information and prices at once. Our catalogue is free, and will be mailed to

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| D A FLOOD OF LIGHT


## EDITORIAI







Wuch kood has resulted through the introducbarrey and oats. But what are we doine to en
hanco the viluc of crops that cover onve the common hay and clover
cond than any two cereal
vot the least of ills associated with town life

 that :" Hee hogs and the hens know better than
". Few settlers purchase land on the mail-order
style of doing business.,
"r's Advocate," of Winniper. "They see the coun-
try, and, beine satisfied as often buy; but seldom without beinr sacality, Well-graded roads throughout a province satisfied present settlers, and attract newcomers. It is The point is well taken. Has it not also an
application in the East? Many sections of On ario and the Maritime Provinces, and possibly, Also, Quebec, will be makine a bid for closer set dement as time goes on chood roads are one of the factors that will help, to draw and hold them. From a purely commercial standpcint, road im-

Can the American Feed Himself? neton, V. I Olinsted haw in thesh tudy of the subject of population the results of a combats the view that agricultural production ion, by reason of with the growth of populatreams, and soil-robbing farm of fertility into ferer lands. He quotes statistics showing the leading crops in some cases has quite acre of and in others exceeded the increase of population. the soil, coupled with conclusion that the ability of (better farming), to produce crops at a rate of increase greater than either the normal rate influenced by immirration, he normal, temporarily times innunurable by the Department of ture, by experiment stations, and by intelligent farmers all over the country. wethods in soil manamem to be that, with proper able to produce management, the Republic will be The improvement of the older land will be worked fivin, the endeavor of farmers to secure a better high production will not be attained by a sudden gregate to beconer acre large enough in the aggregate to become owrproduction, with unprofit-
uble prices. In so fur as the consumer is con

THE FARMER'S ADVOCATE
the Farmer's Advocate and Home Magazine.
THE LEADIGG AGRICULTURAL JOURNAI M THE DOMTNION
PUBLISHRD WERELY BY
THE WilidiAM WELD COMPANY (Limitrd) John WELD, Manager. Agente for "Tbe Fa

1. THB FARIERR's Final Adroeate THB FARIRR'B ADVOCATE







 - Wo Givan. REPLY RY MAIL IS REQCIRED to Vrgent






2. ALLert aroted with thit paper in roleranoo to any matior oon-ddress-THE FARMER'S ADVOCATE, THE WILIIIAM WELD COMPANY (LIMTTED)
not. Examining further wondor, CANADA.
the variation ing resultser, we find a reason for
the for one thing
as Mr. Glendinning has often told us he found that on farias where alfalfa hus grown recently betore, or oo farms where sweet clover has grown,
it is usually unnecessary to inoculate alfalfa seed,
as being distributed from field to field through germs nure and other means. But on farms where neither sweet clover nor alfalfa has prown be
fore, inoculation is likely to prove beneficial, and is worth trying as a precaution, at all events. A
number of other conditions liat it to affect the sults have been aliso discovered, a mong these bein occasional failure 60 follow directions implicitly.
owing to forgetfulness, carelessness and ines. perience.
So there we have illustrated the insufficienc:
of personal experience us a of personal experience as a guide to practice. Fx,
perience is valuable, but no, one man's experience
teaches the whole lesion on then systematic and scientific deduction by a traine mind working on a large accumulation of rained
sentative experience that we should quaint ourselves with. That is the to ac bulletins, and the agricultural press, To b,
sure, there are por books, superticial bulletins.
and untrutworthy poer and reading. choosing only the beshould sheloci
right kind of reading will broaden
rint the late our minds nathen quichen understanding, stimum



| Too Cheap to Be Without. <br> About a mar ago I wrote you for sumple copy in sour valuable paper. I atso sent for a cops of another agricul tural paper, which I received, as well as fours. and. th gite credit where it is due. I am obligend to ury that "The Farmer's adocate "ontains more valuatble infor matwo on mers point concerning farmers (ancl othere, also) than ans of the mans "ericnitural papers I have seen. I consider such a reliable paper as "The "wmer's Aldocate" tow cheap to be thowe sh ath instructor and reminder. <br>  <br>  |  |
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## 8-months' C.redit 0ffer

Inequality of Taxation in Canada.

 oi tariff reduction. To reduce the tariff unif 1. and gradually would prevent disaster to
Manufactua ing interest worthy of continua
ieach and compl scientific management Cach and compel sctentific management.
cultant ellects would be reduced prices to
sumers. The graulual reduction would, as men farming successfully by their own expenisibce
Hold, are there Fxamine the history and you
Fill find these mien aldjusting their methods very
largely according to the practice of men wh managed industries.
Allow me to refute in your large circulation
satement made by Mr. Russell to the Toront.
(canadian Club, and published extensively, that argely according to the practice of men who do
"ead, who attend conventions such as this, and
Leep in touch with the trend of arricultural prog-
:ess. What is book-farming this decade is com-
$\qquad$
vess. What is book-farming this decade is com-
mon experience the next, practiced very often by
men who would scorn to be considered book
farmers. Wh, just think, it is only a few years
since the adtyocacy of silos, cream separators, and
the use of pure-bred sirec
$\qquad$ separators are all but universal in our buttermaking districts, sios are going up by the thou-
sand, and no up-to-date dairsman thinks of using the leaven spread. the leaven spread.
But, I hear again, some of these more con-
servative fariners who adopt improved methods second-hand make a beter success with them who took up with them first. I Irant there are
cases of that kind. The explanation is found in the personal factor of the equation. After all is
said and done. it stili remains a fact that, in
farming. as in thy farming, as in any other occupation, the most
important element is the man Upon his native qualities, his judginent, enterprise, thrift, indus-
try, health, husiness accumen. and so on, depends
the success he will make. It is according to the
luw of compensation that very few men combine luw of compensation that very few men combine
all these attrinutes in high degree. Some have
plenty of enterprise, but lack thrift and judp
 deprecate their enterprise. We mistakenly at
:ribute to the plus what we should attribute to




 good judgment stimulate his enterprise by reading
and otherwise, anci then he will make not anding Drompter, but a larger and more satisfying suc
cess than hy adoping frogressive nieasures sur

Thousands of our subscribers availed them-
elves of our Special Renewal Offer, as an nounced in the last few issues, the date of
which expired on January 16 th We are now making an 8-MONTHS' CREDIT
OFFER, which is as follows :-For each new yearly subscription that you send in to us
accompanied by $\$ 1.50$ we will credit yon 8 months' renewal of your own subscription free. Or, if preferred, you may send in the
new names, accompanied by the full subscrip
price of $\$ 1.50$ each (United States subs
price of $\$ 1.50$ each (United States subscri
tions, $\$ 2.50$ per year), and have your choice
some of our splendid premiums.


## THE FARMER'S ADVOCATE

Domonstration Farms in Allberta. Extensive Farming with Horse
stration farms along practical lines in Cranalat are being established in Wherta. The Ministe of Lyriculture has grasped the idea of local edu-
cation of a practical nature so forceful that even those who do not care will see that it will pay to change methods or adopt new systems. With
six demonstration farms scattered over the prow ince, a fairly gool $^{\text {ecguipment for agricultural edu- }}$ rational work should be proviled. The main and cupable farm foremen.
The Alberta Government evidently aims at per cultural districts. A hall is wanted for Institute meetings, and live stock for special demonstra-
tion lectures. For this purpose, the purchase ton lectures. For this purpose, the purchase of
the farms is essential. The difficulty here will the that it will not be easy to keep accounts sep-
arate, and show dichits and credits that will be arate, and show debits and credits that will be
approved by iractical farmers. When a man sees
a neightoring farm beins run o bring in bigger annual profits than his own he is likely to adopt some change in his methods;
otherwise, he is liable to pay little attention.-
Warmar's Advocate
beveres

War and Courage.
$\qquad$ mround that it cultivales couracis. Never was there a more overworked delusion. Truly,
courageous souls rise to heights, if bravery amid its carnage, but. as a rule. it is rather the animal courage of the horse rushing into battle, the hlood-ust of legalizer: murder, inspired by the of developing bravery, does anyone condone the he best blood of Europe. wasted its returnen relegated its cities to rapine, paralyzed us in-
dustries retarded its acriculture for nearly century, and filled its akriculture for nearly ha? epirit of courage purchased at so great a price is
too costly. Bravery we need in the twentieth tentury, but the vicissitudes of the farm, the trials of home life. the assaults of the street, so-
ciets and the market-llace, upon honor and vir-
che are the thater We are the thimps that demand and cultivate

## HORSES

To make a fine cont, ieed well, clothe warmls,
wheat often, and croon thoroughly.
Never let your horse know that he can success.
milly resist yona
Remember, there is no use trying to control a
horse unless you can first control yourself.
$\qquad$
Dark stables produce *) bind. stumbling and shy
norses. * * *

## Care of the In-foal Mare

$\qquad$ che most attention of any of the mature horses. from a run in the firld or over the may arise !ittle carelessness in feeding or watering, or in squarely faced, there need be the and management is from the routine, and they may do much derture Woth to their owner's and their own advantage Exercise for brood mares is best attained work, for then the amount can be regulated and all precautions taken. In-foal maregulated, and be worked double on bad roads, where crowding against the occur, on account of the knocking the winter roads are good, they may go double and at quite hard work, provided they have been yradually brought up to it. Quick, sharp pulls
such as are required to start a sleigh thet frozen down, or to pull it out of a deep rut,
should not be asked of the brood mare. Neither should not be asked of the brood mare. Neither
should she be asked to do heavy backing. Steady moderate drait work on good roads, with Steady, mate, or single work about the barns, will keep a mare in much healthier condition, and bring a stronger foal than results from indifferent exer
cise. When in-foal mares are run together in cise. When in-foal mares are run together in
shed, with an opon lot, they are apt to kick otherwise injure each other : they are very often nore peevish and cross at this time, and for that
reason are better when each is kept by The same danger is presented if kept by herself. separate box stalls part of the time, and turned Sut on nice days for exercise. Such exercise is hard; they are likely to the mares exercise too telves, or fall. Feeds should be clean and wholesome, so as to hvoid any likelihood of digestive derangements or during pregnancy. Besides being clean, food should be plentiful. A brood mare requires more liberal feeding than the gelding or barren mare. mare just a little fat, if that is obtained by the use of outs and clean, mixed hay, with regular exercise. She should be at least in thrifty conbran mixed with oats, or given twice a meek as ange mash. Clean, bright, fresh, mixed hay make the be extremely of a good diet. Water should never ice extremely cold, and should be given preferably ing seems just about as important as the water If the animal is used to drinking after meals, it will probably be less productive of harm to keep An in-foal mare is in such physical that she is more susceptible to the baneful in Huences of drufts. bad food, slight abuses, slight
illnesses, and the consequences serious than with ordinary stock. Kare far more in mind, the careful stockman, without going out of his way. will see to it that the brood mare has an even course of life, neither idle nor overtaxed. thus bring her without useless expense , and
the healthy state to "and through the parturition

The date of our special renewal offer expire on January 16th. We are now making an Eightmonths' Credit. Ofer, which is as follows : For 'ach new yearlv subscription that you send in to "s, accompanied by $\$ 1.50$. we will credit you
with eight monthe renewal on vour own subscripwith eight monthy renewal on your own subscrip-
tion free. Secule


## LIVE STOCK

Our Scottish Letter
$\qquad$ ripen，and even when they are take long to
aomeetimes not worth reaping．As a they are
fact，corn is scarcely fact，corn is scarcely grown there for the sake
the grain；the more valuable part is the straw upon which the young stock is lart is the straw，
When，therefore，the crop must the disaster is great，for the fodder is the fields， THE DAIRY INTERESTS．
Dairy farming has not been nearly so prosper
ous as in some recent years．The rank and file
of cheesemakers will havo cheese at a loss．The price，except for their high－class，gilt－edged lots，has never got beyond
a moderate figure．The position is that，unleass a moderate figure．The position is that，unleas
makers chose to aim at the production of this
really high－class， really high－class，gilit－edged quadity，they of com－
pete with the oversea supplies，and as these are graded to a uniform quality，the results are not
favorable to the home producer．The adultera－
tion of chese does not tion of cheese does not exist，but the adulera－
tion or manipulation of butter so as to secure
high profits high profits for little outlay has been reduced to a ine art．The British produce market has to a
large extent been captured by a particularly
mean type of mean type of foreign speculator．He has noth－
ing at all that does duty for a conscience，and ing at all that does dint，for a conscience，and
the public is easily gulled by a toothsome article．
The Irish Department are taking cnergetic step The Irish Department are taking energetic steps
to put down this kind of thing，and some in－
genious attempts at legislation have been made

 among farmers to flirt with Protection．Thisition
can be litte doubt that a restrictive tariff on
grain and meat and dairy produce would enhance
the value of home produce the same principle would operate adversely
the farminit manufactured goods．The position of farmers
Great 13ritain at present is that which the Can want an open market for the importation
machinery，and in this way to reciprocate action of the Mother Country in reciprocate throwing her
ports open to the protucers of atl lands．My
imprescion is that ports open to the producers of all lands．My
impression is that this Mother country cannot
possibly，in her own interests．（l）anything olot By improved methods of cult ivation and co－opera
tion，we can increase production，while cheapen－ ing its cost：but after we have done our very
utmost in this，way，we cannot feed our popula
tion with what is produced in these islands in
the North siun tion with what is produced in these our populat
the North seats in
our agriculture could mollions must be fed，and
our anaided，feed them． Hence．my conviction that，whaided，feed them．
artisan many doy torotect his own the Bror hy poss
sibly putting it tarimf on will never consent to lecyine a acturenue doods，he
hny of the necessaries of life．There is aly on
plenty of roomp plenty of room at the top，that if we here will
only endeavor to produce the hest，we can always command the best market in the world There training，especiall，with a view tor reduction in
cost，and enhancing tiee quality of production in this country，Gradually this fact is heing recog－
nized，and，althought the thovement is slow，it
has been singularls steady．There has lowen going back，and the proselects，ull unf that there
$\qquad$

$$
\begin{aligned}
& \text { e have had a General } \\
& \text { year } 1910 \text {-perhaps a }
\end{aligned}
$$

Tost of us whore on the electorat

DEVELOPMENT COMMISSIONS
The year closing will be remembered for one
notable advance in the recornition


 f45，000 per annum，placed at the the fund of Commissioners．This is an entirely new de－ parture in British statecraft．Hitherto the idea
has been to let agriculture ．＂paddle its own
canoe．＂Tre Commissignt und，so far as oue may judge from strong body． jects which come under their notica with the ob－ has a pretty strong representative in A．ID．Hall， tal Station．He is a man of exceptional ability－ lines of research and experiment which are calcy hated to yield the best results in the future
$\qquad$


it has the same drambach as the Highlant
S not commercially so valuable to the
This important distinction This important distinction is sometimes ter
！noked．It is one think to know that most on of a particular grade is what the pub termine which combination of breeds will to de the best commercial returns to the feedler．Tield public do not always pay the excess demanded Th enhunced cost of production in the case of the
kinds of meat they chiefly demand same with milk，at least in this country is the public will pay exactly the same price for milk Th milk of a low standard．The as they will for Tore，no inducement to put a higher quality there the market．There is great need for the educa ity in all hinds of food products．
$\qquad$
$\qquad$ these small，compact，level－fleshed black pigs The only cross which once or twice broke the uni
formity of their viit tory was the Berkshire－Tam－
worth crows
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$during position of the horse－breeding industrers have had a good time，and stallion owners are
likelv to reap the lenefit．months，nearly a dozen of the best clydesdal
horses have been hirell for 1912precediented expericuce，and it proves how healthMresent time．The Clydestale Ilorse is at thWetermined to show its sense of indehtelness tohave been donated for competition at the medals
cipal fairs and exilhitions from St



Dairy Heifer Breeding as an Industry
from cities or towns men have made returns that
satisfy them in rearing stocker catte for sale，to
be finished by others on more high priced lands．
If there be money in this process，is there not as
inuch or more in thating a business，under such
locul condition ocal conditions，of raising for sale under such frowth of urban popvlation in the The enormous milk and is products，with which production
seems unable to keep pace even curtailing exports to Great Britain，the world＇s
graat eating－house own cows．They hase not pretend to mear their pronluct，shim milk．To buy them nor the by
creasingly difticult ans，costly，Buat they must be
kot，for milk is demuncted kot，for milk is demanded all the year round．In
many factory sections．calves are yet at hirth，and，to renew the herds in spring，farm－
ers depend on drovers＇ ers depend on drovers＇，auction sales．Untess we
have a change in policy，we shall see a famine in
dairy cows，just as thare dairy cows，just as there is in good beef stock．
A large New York dairy farmer told ．The Farm－ ＂r＇s．Advocate＂．lately，that last year he Farm－
into the next state where he understont crate prices，but．landed in and be got at mod－
 competing buyors will be attractedt，and cows can
one ：nd Holsteins，and is this，chiefly with Guernsey．
$\qquad$

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2 ..... ．




THE FARMER'S ADVOCATE
 enthusiastic mall. Thus, an investment which
has to do with character-building lorines in wetter Now the bov provklen. Much has ten in these colurns on the bow, and how to keep
him on the farm. Will placing monev in stocks him on the farm. Will placing money in stocks
do it? The boy has before him the dairy cow.
the mila from which the mikk from which his uest ther weighed nor tested).
and he knows she does not pay for her fred ssees the field, which only yields a for small return for
ite ihe amount of work expended upon it He works
six months of the year in
 clusion, "If money can be invested in stocks, in
stead of improving the herd, underdraining the land or remodelling the stables, wherehy making
the farm more interestiult for there will more interestink for the will go wher Investmont in the "ilome Bank " creates in-
torest in the home. It is said an man's heart where his the home, It is said a man's heart
 with satisfaction when ther ceed the chicken whultry house. Whae pride the is an up-to-date
intueck when he knows it is hard to treat in his
st
 he sells. Compare hen with the secend man wh,
has been raising stock- oattle. horses, sheep and ,igs from his investment. Can the interest a Interest on tock their invertments be compared
may be five or six per cent., but an this be compared to cood machinery, good
 care, gooc inturest is paid in satise with, koon
happiness.


Alfalfa for Feed and Seed


Sippithes to the mitrifying and other bacternat
 lition. irne These statcments are not basect upon mererly, bui the are strictly in accord with the
estalished facts: this, as an years, 12.9 bushels of wheat per acre have of 55 - Grown on unfertilized lland at the Rothanse heen periwnt station, England; where annual applihas heen $: 35.5$ bushels; but where the come average Mlant fooct has bewon applien! without the aldatial furnished bs the ryanic mat uer. uside from and that
 per acre. These results have been obtainetheat Aand which contains only half us much humus on
the us 19.3 where the ten inches less than in Inlinois.
$\qquad$
$\qquad$
$\qquad$
$\qquad$It ther Pennsilvania Eivperiment stationwhere a ourrvear rotation of corn, opts, wheat,
aud hay (mixud timothy and clover), has been
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$(om) pundss of of hats. 24 bushels
fous where
$\qquad$
$\qquad$
$\qquad$

## A Timely Service

ctun of such transections. The writer was
The Farmor"s latucate." He that mentioned by
 ..... friend
dear,
oatsoats
He

Manure and Humus





## THE FARMER'S ADVOCATE

Scales on Barn Floor




 grain, and I always keep, my scales there. Every vertises him, wint the secret is honest, rivid grad form below in basement: $50 \times 4=200$, or 300 Red means the choicest fruit grown in the or rectly. Multiply the number of pounds hy 4 and and blue, serviceable fruit, and a extremely fancy you have the weight. These scales are patented. Then, on his wood-lots he has timber to make
The agent for the district I I live in cume and tumber for storage-houses. and spring-water erected mine, at the cost of 814 and I furnishe

## GARDEN ORCHARD.

Romance of a Peach King.
To make a fortune with praches, you must
krow them right ani show them right, und ge ge
them direct to the retailer or consumer, sold in in separate grades, and the same from top to bot
tom of package, delivered first and last in the season. Epitomized, this is the secret of the ro mance reltaten in the saturchay Evening Post by
Forrest
 peaches in New Fingland, und $2.00 n$ acres in Cen
tral Georkia. In t lettior to to Th. Farmer's Ad vocate," Mr. Hale verifies the story, so that our
readers have his persinal vouchery here reprotuced.
How didule except an idea and cllucation at in with nothing handle. That's the combination to make a cap-
tain of intuastry in fruit-krowink that was the idea? Just this: When a 14 -var old fatherless he ate the sweet wild fruit of an old seedlin. weach tree that melted in his mouth, and he asked the question again and argain, "If this stony old
hillside will krow such peaches as these wild, and without cult ivation, what's to hinder it produc
ing a splentlicl crop of choice, cult ivated peachese? Nothing," was the unswer, and, in spite of skeptical and faulttinding neightors, he went
aneall, and in the seventh year krew a crop that


 as have a red latel; the second grade, white; and the third, whe on his New England land, he
regaris applegrowink as the main business; Wachos ar" a quice mones crop, coming into
hearing in three scurs, but rarely profitate ntte (welve or fifteen vars, while richtly handled.

 faithfully und

hillside will survive "thost that kills the trees
on the plateaix above "r the level at the base
Cropriny bet ween thi "u, Cropping betwee the "r the ovel at the base
inust not be overdone: corn is yolleal poaches
for the north; potatoes are bad (iive eternal cultiv
lion in guminous cover crop about dukust then the te trees do their big prowink stught carlst. The to prune with planting, the roots to four or five
taches, and the main sid inches high. Rub off the to fifteen or eishteen or four at the top. Keep the tree low she thapel into a brach cut above the bull to be developed trom year to year atter it comos int. but do less Fertilize wisely: nitrogen for abundant ness more wood; potash, tor high color and sweet solid, slow-wrowin! phosphoric acid to make hard The holres for the treoe shoulderate foliage three months before planting, and two shovel or rotted stable manure put in to shovelful what is Then, beiore the tree is planted, lift out pround, and add half a pound of $a$ mixture the equal parts basic slag, sulphate of potashe a merate of soda. Two months later give a similar the North, young peach trees should South. In thoderately at the start so that should be fed ver not be too quick and tender, but rugred. Hale practices wormant-season spraying in $O$ scale in the South plantation. Against San Jos uses the self boiled lime-sulphur spray for brow $h$ rot and scalo. with arsenate of lead added for circoun shuck falls; the seccond is done when the when the peaches are about walnut size, and the third thout four weeks before picking. The whole spraying costs about $\$ 100$ per 1,000 trees, and
spelis the difference bet weon The largest shiment of neachs and failure. was 15 caryest shipment of peaches he ever made or average slze, the biggest volume of fruit ever shipperd out of any orchard in the world in
one dhav. That week we shiped we shipped 83 carloads. he People who read about taking 824 ,000 from
one crop of peaches, on 30 acres England land, may think that must be the easiest money game on earth, but there have been easiears
of black crop failure that loked had then, he was a born peach--krower, and has In it for him than the money lo. There is more mite enthusinsm. Those who feel like that and ceed The other kind will prohintll likely succ -
on anchmife is one of the most useful thing Joseph Rodgers Jackknife or pentnife for send ink in one new sulbecriber to . The Farmer's AdHCute and Home Masazine I.ook up the par ismums in our announcement on puese 11.5 of thi

Farm:ne without dificullties in mant, lit

## THE FARMER'S ADVOCATE

## Aip-plant" op "Aip-fern

 about the nature or proper have been inquirin rative fernlike article which for the last fourfive years has been most commonly as "Japanese air-fern.. names reported experience of some people illustrates The effect of the imagination, as more than one has
honestly averred that the an inch or two since they had plat it had grown
The substance, although fernlike, is not a fer or plant of any kind, but the skeletal structur
of a colonial animal that lived in the ocean, little higher in the scale of development ocean, than the
sponge. The slimy. semi-fluid "flesh ", has removed, and the skeletal or chitinous suppor
ciyed in aniline ayed in aniline green. With the aid of a good
lens or microscope one can see the little like extensions from the tubular, horny flabres whose life-hich once contained a tentacled hydroid whose life-history is almost identical with that o
the so-called ". coral insect."

## POULTRY

Egg Production in Winter Editor "The Farmer's Advocate":
A great many people who raise poultry
it a hard matter po get the hense winter, while others, again, have no trouble the winter layers, one cannot, count so muble. For
older stock as on the older stock as on the pullets, and they should be
hatched early, say about the 21 st cubators will, have to the used mostly, as it in a
difficult difficult matter to get hens to sit so early. An-
other important feature is the other important feature is the way the chickens
are raised during the summer well looked ufter, and one should see that be ket plenty to eat, and have a dry place to stay
when the weather , hest if they are is wet. Chickens will do the hopper system with feed in hoppers where they
can can get it whenever they feel hike eating. It will take a lot of grain if they are fed this way, but
they will not gorge themselves and ens always seem to be hungry when fed thick-
times a day, but with fead hofore the time they secm satisfied. During June and July you may get rid of the young cockerels that you a kood price may be had for them. By the
first of October your and inst of October, you should have all the pullets
in their winter quarters, and ready for laving some of them will be laying by this time if they
have been fed well. Farly-hatched pullets will others, again. which are from maturity, while frain which laid well, are will brom a good laying
hand down some of their likely their children Next comes feed of character
lets. We hen lets. We have somewheres near eighty, which ar
toing nicely for not being hatched
loed feeding mostly wheat, and getting tili May. as I think thero is everything in wheat necessary
for egys. Feed wheat in morning or egys. Feed wheat in morning in deep littery
aatter around in pen, take a fork and stir up atter around in pen, take a furk and stir up
well, so as to make them work. At noon feed
wet mash, scraps from able cook wet mash, scraps from table, cooked peelings, ete hung up on nails around anod feed of mangels wheat and buckwheat, often giving a feed feed on the colbs to pick. Give them all the butter-
milk they will drink, with clover chaff fedt in
racks bone is given. with plenty of a oveed of green-cut The honscs should le moderately warm, and nee a week, andi litter taken out as soon as it
eets wet. With eges from thirt ative to


Tasmanian Egg-laying Contest


THE FARM BULLETIN.
The Old Land and the New ith glad hearts, and wishing "A The Furmer's Year vocate" a still wider circulation in the future As a resident and a farmer in this country for
onls six years, I cannot but notice the prospority of Canada, and its chances for a men with a small capital, comprared with the conditions
the Old Country, where land in the Old Country, where land is almost unattain-
nble for the man with small capital Alfference of than classes. or the man and hilso the
ployer. ployer, I heve known in certain looalities. If a man offended his einployer, he would certainly position on the farm. Thistance atvay to get a
where where men are hired by the year, as the farmers combine against him, unless he goes at a reduced pay for a smaller farmer. This is one of the land, and it is driving many a pood honest man away from the land o the large cities, causing neonvenience to the farmer, and also to the country, if he uere treated more liberally, and suiven a freer hand. I was sore liberally, and surprised to find the condition in Canada as al and are more on an equal fonting. Acountry
$\qquad$ his ability, if he studies the requirements of the what he receives, his returns will according to sure. I am sure, is the people farmerd in End P. E. Island
five months, beginning June 1 st, and receiver
$2,231,498$ pounds of milk; the total made, 212,665 pounds. It took 10.19 pounds
milk to make a pound of cheor age of butter-fat in milk was 3.62 . The hee price for chense was $\$ 10.76$, and the aver het value of milk per 100 ponnds to patrons was to patrons by the butter-fat test, plus 2 procerds The value of total output of cheese was cent. $\$ 92.32$, and the charge for manufacturing
$\$ 2,765.13$; milk-drawing cost $\$ 195883$
 und supplies, and the companv charred for makin trons $\$ 1.30$ per 100 pounds for manufacturing The company had a balance of $\$ 176.40$ on the The poultry show has been on in Charlott
town the last few days many diferent varicties of fowl, the utility breed Ont. most in evidence. Mr. Jarvis, of Grimsby ture on ". Poultry Management, "ahe wave a led was errution for poultrymen. The attendance impassable, on ascount country roads were about estimated of egrs on the Island the last The men's from the Province million dozens, and the ship Gigures have been, wollected be $\$ 600$ oono These Consut Deedmuer. Charlottetown published by I one from the Istand to attend the short have ers' daunhters Agricultural also college. A few farmranged theirce studies. The Institutes have ar Vigorous eflucrotional campaign this wepared for
Reciprocity is in the air hor. their neich forward hopefully to freer trade with A Temiskaming Settler on Reoi procity.



| Attention was called to the fact that fertifizer hould be used supplementary (1), and not in place , iarm manure, if best results were to be (h) ined | than distributed. if the vitality of the seeds can not be destroyed $n$ this prohlem the Depart ment is working. <br> In this connection, the Minister of Agricultur | Drainage Repairs and Taxes. <br> Viditor " The Farmer's Adrocate <br> I would like to submit a suggestion for |
| :---: | :---: | :---: |
| The effects of fertilizer on swamp soils was re rted by Prof. Harcourt. In this work it was | mised that, if the present Feedstuffs Act did cover the control of these weed seeds as feeds. | sideration of ratepayers and township of $t$ ditches and drains, after having been |
|  |  |  |
| zers were of any value on such lands, but the se of it is highly profitable. | the Inland Revenue Department, to have it so annended, as he considered weeds the most serious menace to Canadian agriculture | necessary by a competent engineer-could th forth be maintained at a much less cost forth be maintained at a much less cost that involved under the present system. |
| ESTRy | at Ontario Agriculture is not on the wane. | let a by-law <br> to remove ob |
| ne will demonstrate the immense value of | ckie Wilson of the Ontario Department of |  |
| s line of work; the objectors may have | culture, proved, by showing that the crop of | the ditch or drain, at his owrr expense |
| ings now. Prof. I J. Kavitz reported that | ) in Ontario exceeds the crop of 1909 by over | tenance of drains would involve |
| ing the last season the Foorestry lepartment | 25 million bushets of grain and roots, and over | labor, if debris were removed promptly or |
| trituted or planted about 400,000 trees. | two million tons of hay and fodder corn. On | nt intervals, instead of being allowed |
| out 200,000 were sent out to private planters | peas, potatoes and turnips was there | cumulate, causing increased obstruction from |
| some 200,000 were planted at the Norfol | crease. This, too, had been accomplished with | to |
| est Station. The material sent out to co- | ${ }^{6} 0,000$ fewer people on Ontario farms. He em- | to get seriously out of repair from the action of |
|  |  |  |
| pine, white ash, white elm, sugar maple, soft |  |  |
| pe, catalpa, | in | of the drain. Finally some ratepayer wak |
|  |  |  |
| to be used | \% | inefficiency of the |
| tions. Under the direction of the Schools S. | , | drain in which he happens to be interested. Then |
| n of the Fxperimental Union, there was sent |  | council is notified, a hy-law is prepared, funds |
| So collections of forest-tree seedlings. This | One of the most stimulatinc addresies of | enizineer is employed |
| partment has, during the | e sessions was that of President Creelman, up- | s |
| to | for a better agriculture. | and specifications. |
|  | ricultural |  |
| ations started in about | nt |  |
| south-western portion of the Province | More educat | intervals of a few years, it may be before the |
| eaking on suggestions for the young | aistricts is the isolatio | previous deht has becn liquidated. And then, ratepayer may be turdened with three or four |
|  |  | these cases concurrently. If drains were to |
|  |  | kept in repair by the methed I have sugges |
| mand, offering muny |  | -h man interested performing as the |
| paration, method and manner | or | of the work, the original |
| NOXIOLS WPED SEELS | he Schools Division in extension work in the ural schools of the Province. | tained at small expense for an indefinite period |
| Discussing the noxious-weds problem, G. H1 | ERS FOR NEXT | I speak from personal experience with drains on and about my own farm. In a period of about |
| rk, of Ottawa, stated that at Port Arthur and | - | thirty years i have rarely had occasion to return |
| William, 57,189 | ident, W. J. Iennox, Newton-Robinsor | a team into a farm drain after it has once been |
| al dockage of 1,58,4,072 bushels, or appr | Secretary, C. A Zavitz; Assistant Secretars | ly constructed-excepting "flat" ditches. |
| 000 cars, of which | W. .I. Squirrel : Treasurer, Prof. Hutt |  |
| 2 |  | cund. |
| cars hagreel. That hagked was largely used as |  | this way, with a few minutes or an hour's |
| uns |  | nal work, what might have occupied days |
| im to eat pr | aghorn Carvers. Loc | believe that if |
|  |  |  |

WESTERN ONTARIO DAIRYMEN AT STRATFORD.



 \$11.52 per cow. The that value per cow of the tocel hey trede in all lines of darmplete recip,



 principles in successful thirsing are (1) (forel :ion of the I Ween the great consuming populat



 appears that the ascrage daroman is putting in his recen aticl.. in The Farmer's Advocate.
 wives working harder than any woman onght with its highly organizel effort, was proposing to
ever to be expect.al t." work, and the children "limmate party pohtics from their position on the kept out of schon, Mongside was another man. lariff. Farmers should do the same. He be not workiner either himself or his family nearly lieved the rnited states was about at the be end
so hard, lut making more mones because he fol of its tether, so to speah, and would soon be an
 demned because thes have never had a decent "ith our dairy proddicts in we could do better
chance. A cow markets of the
cane food out of which she Inited States. He would have Canada, while can make mik, and phenty of it. The great standing on her dignity as a young nation, meet enough paith in the dairy cow to give her all she boring nation. Dairying, saill Mr. Hull, had solved the prob- presented by J.J. Parsons, of Jarvis. Pas lem of help on his farm, by providing profitable, President of the Association, who doubted
whll-the-year round err ploy ment.
whether many of the members had diven it the IN FAVOR OF RECIPROCTTY IN DAIRY $\begin{aligned} & \text { necessary attention to weigh it fairly. There was } \\ & \text { a time, thirty or }\end{aligned}$ That many of the dairymen and especially the needed reciprocity badiy. The United States de milk producers of Western ()ntario, are actively in the that ever happened this country greatest bless sympathy with the idfry of hetter trade relations ('anadians on their own resources. The position special meeting of dairsmen who remained after as to reciprocity is now reversed. We have a the adjournment of the first afternoon session to $\$ 2,000$, on last year. He referred to the Face discuss a resolutiond sermilar to the one passed the and West railways und canals we have been build
previous week at Perth. In announcing this ad- ing largely with British capital invested here to iourned meeting. President scott desired it to be the lune of hundreds of millions. He thought
clearly understood that the Dairsmen's Associa- we should not disregard that tion was not considering this matter at its ses- We Whold not disregard that lightly,
sions. So mith, Editor of the Weekly sun, in an sions. The directors concidlared that in taking incisive, three-minute speech, pointed out that
up a question of this hum, they would he trench this was not a curestion of forty years auco tut ing upon politics-something which the have hl- wi thas present. Tuestion of forty years ago, but ways endeavored to kepp clear of. Their work was has to sell is a wood deal higher across the line
education. He therefore closefi the session of the than here. ('heesso is three cent a convention, and left it open for the meeting to in Now York State : han in Ontarivative stor



THE FARMER'S ADVOCATE
veloping from a hair introduced into the milk
so oì stable dust, flies, and rinsings from an im properly-washed can (i.e., not thoroughly scalded) It was very graphic. Similarly, the effect of
temperature was illustrated, by showing a slide remperature was illustrated, by showing a slide hours, at 50 degrees, and the progeny of one in the same time at 70 degrees. The first one had increased to only live or six, while the bacterium
favored with the higher temperature had increased to a great colony, which, when magnified, looked like the proportions of a swarm of bees. Similar contrast was shown in the development of bac cooled with water, according to the manner recom mended by Mr. Barr

TREMENDOUS WASTE OF ENERG
That a Niagara of energy is going to waste in
the iorm of labor expended on unprofitable cows, was the nietaphor used by C. F. Whitley to dr been sitting down and looking at the low average production of our herds and being content with ince have been left behind. Out of a proup since have been left behind. Out of a group of
five hundred cows of which they had records, the average of 142 good cows made as much profit as 2 of the poorer cows. Soaring into the realm thing like $19,000,000$ hours' time must be wasted in looking after poor cows. Talk about conser atioa. Our dairymen's energy needs to be con-
served. Is not humanity better worth while then tons of coal or thousands of lumber? He urged
that factorymen should interest thenselves in this roblem. The weigh-stand should be the consulting ground of the inter As emphasizing the fact that many good cows are underrated, he subnitted the statement that three cows now holding world's records for milk and fat production had been sold within the las
few years as ordinary cows for ordinary pricas The real essence of profitable dardirying is to grices.
at the details about these cows At chart was submitted, showing increases A chart was submitted, showing increases in
average production that had been brought about
by ia number of dairymen since adloptiny cowby a number of dairymen since adopting cow-
testing. At the hoad of the list was S. A. Freetesting
man.
an Inan, of Culloden, whose 70 cows had increased
30 per cent. The other herds were smaller, but
the percentages of increase were as followe the percentages of increase were as follows:
per cent., 90 per cent., 103 per cent., 31 per cent INDUSTRIAL ELUCATION FOR THE WHITE cvening address, an ace when time is boinit in he from train schedules, when preat ma.."facturing
establishments are throwing out vast. establishments are throwing out vast equipment
of machinery, and substituting expensive new of machinery, and substituting expensive new
machines because they will make shoes : 3c. a pair
(heaper. Farming is becolmine mora and matter of brains. Education is demanded, and That education must better. meet the needs of
rura! conditions. As it is to-ddy, you may send
vour boy to public school and Hirh School withOut having so much as intimated th
Hiat farming needs brains. We must that farming needs brains. We must cquity our
sons with an agricultural education that will en able then to to gout and grapple successfully with
the problems they meet. The Inited states has given the Indians and the negroes industrial edu-
cation. The little white boys have just as good cation. The little white boys have just as good
a right to an education that will make them ef
ficient citizens as have the little brown boys of
the Wiost the West and the little black toys of the South.
What is there to apolokize for in being farm.
crs? The farmer is the tirst lientenant of the
 anywhere else The man who
Vanderbitt spands tow pixs and calles wants when lies nearest his heart, it is the Bittmore farms
Go down to have a inll. with Howd. the great sarsaparillat man, and his thoughts turn toreat his that when men reach the thin of these the "orld busi
 In the report of the Chief
Sanitary Inspector, lirank He Sanitary Inspector, Prank Herns consultothen formation was summaryed, ',
ready been communinted an
feature was a compilation ords giving the average pontuct on for months of herds furnishing milh the cherse int were obtained through the co coperat onn of tho. taries of 17 factories, represent ma taries of 17 factorices, representime
tion kroups. Chree representative
chosen in wich

## herds in 17 representative factories yielded an

verage of 4,006 pounds of milk per cow, the
average per cow of the bes' 17 herds being 5,669 veing 2.690 pounds per cow. Only 69 herds exeeded 5,000 pounds per cow, while only 5 herds Assuming the cost of products. he same. What would the price of cheese need be that the herds averaging 2,690 pounds would
make a profit equal to those averaging 5,000 to

W. Waddell, Kerwood, On

Proprintor of the Kerwood Cruamery. Ont and Presidt
fonct pounds? in the latter case, cheese wouth
1o) cents per pound, or what difference in the
cost of procluction would be necessary to makic
these hare these herds equal in profit? alsory note that the
while the average per herd is fairly gooll, how fecy cow. with milk at 85 cents per 100 pounds, would amount to $\$ 51$. While the 3,000 -pound cow would


Recognizing the value of demonstration Recognizing the value of demonstration,
Herns raised the question whether it would $n$ a good plan for each cheese factory to instal
modtl milk-cooling tank of wood up simply for the introduction of coment, fitte Then, when a patron's milk arrives at the factory show him how ho cun fit up a similar tank mulh explain the effect of taking in overripe or gassy milik, showing how the loss can be largely pre
vented by proper cooling. Show how simple vented by proper cooling. Show how simple it
is to care for milk properly, and describe and is to care for milk properly, and describe and
illustrate precisely how to do it in every detall. If the patron does not haul his own milk, send l.im a note, asking him to call at the factory to
see the equipment. Would it not pay, he asked see the equipment. Would it not pay, he asked
to go even further, build a cheap model milk house at the factory, instal a tank, and have
illans of the tank, milk-house and can-lifter to ether with an estimate of the cost ? PASTEDRIZATION OF WHFY AND Whey One hundred factories pasteurized the whey; 17
od the whey at the factories, leaving 88 factories ot pasteurizing the whes. The average per cent ot fat in pastelurized whey was . 2 per cent., the
average acidity 30 per cent., and the averon temperature 116 degrees. The average per cent it fat in inpasteurized whey was 11 per cent. he average acidity 1.09 per cent, and the aver-
age temperature 86 dagrees. These figures are About the same as proportion of factories 1909 did a first-class job in the pasteurization of whey. The factories which were behind in this
connection showed about the same reasons for much whey left over in the tank, improper equip-
mat ment, lack of sewaye disposal, and in some equip-
plain carelessness. Contimued satisfaction is exfressed ho the patrons with respect to pasteurizaIt will be noticed that the pasteurized whey Pastcurized whey, and on this qround alone the
pasteurized whey should be worth 12 to 16 per ent. more as feed than the unpasteurized whey, differange of 25 to experiments. Which indicate a
simmerf as cent. in favor of un-
BHTTER ANI FRUITY FLAVORS. prolitic growth of yeasts. We are convince for a had the growth of these organisms not been
cheched to some extent through the pasteuriza hon of whey, a great many factories wauld have
hall as much trouble as in the years previous to were troubled with percentage of the factories Wurization was propery practiced, Whe the pas-
Havor was kept under control, and in most cases
Have very

cheese were iears arned a targe number of our
ine loss of fruitv-llawored this flavor. and thoch


on cheese, this question lecomes important. If,
itrough pasteurization of whey we can eliminate
wen a percentare of fruity and whey flavors it
ineans dollars sace



"ans not pasteurized, it was very whersistent

and

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hare shown
yeasts have
If yeasts have
ch were taken
actories from


he conclusion
acts in $1910-11$ will $190811.582,139$ greater that
Turning to th. marict end oi the discussion.
Mr. Ruddick irged that there is nothing in sight which need
largely-increased production. A paper by Proi. H. H. Iean, entitled. ..From
the Cow to the (ruamern, and ifer
the cow to the croamer, and liter, was pre
pared for the Convention, but, owing to the pill
ness of the author, lad to lue malled to the sec ness of the author, had to be malled to the sec
retary, to be real by him. I'nfortunately, it wa retary, to be read by him. T'infortunately. it wa
sent to his ottice in thomdon. where it arrived lur
ing his until the Concention was oler. it will, howeser be published in the report, and synopsized in
$\qquad$ The paper by cieo. H1 Barr, (Chief of the Dair Farms," was concise and instructive. Exper ments on the care cream at the farms, carried supervision of Mr . Marr und Mr . Bouchard phowad that cream cannot be kept sweet for even thirty six hours when kepi in the ordinary cellars with
vut any additional cooling. When the cream was left uncovered in the cellars, it showed a distinct cellar flavor, but when the covers were put on the cans, there was no such flavor. When the cream wes coled to 55 degrees soon after skimming, it to the crea nery every wher day, The advantages of skimming a rich cream for
sending to the creamery were thus enumerated : 1. The buttermaker has a better opportunity to control the qually of his butt
2. There is less cream to haul.

4. There is a greater quantity of skim milk
 crearn sent to nur cream-gathering creameries
tested 30 per cent. fat, it would mean thousands of dollars per cent. fat, it whey in would mean pockets of the pa-
of trons from more ani better stock, and the quality proved, as some creamerymen would then pasteurcount of its low fat content and high acidity. chart showed the loss of skim milk from skimming a thin cream from a herd of ten cows averthis it appeared that, takine a 30 -per-cent From left 2,338 pounds skim milk on the farm than when a 20 -per-cent. cream was skimmed and sent point. as usual the conclusions In the production of fine cream, cleanliness the kreat essential. It would mean a great improvement in the oprating of our cream-gather-
ing creameries if all the cream tested bet ween 25 and 30 per cent. fat
Cream protucers must mahe. somes provision
for cooling the cream. other than setting it in for coolling the crenm, other than setting it in
the cellars, if we are and effective utensil for keephng creath in Cream can be kept illeet for 36 , hours by the
liberal use of well water at 50 degrees, in an in liberal
sulated suated tank. it is impossible to keep creal
sweet for delivery t wire a week withont usine ic ice for cooline

The Dairy Dusion at Ottawa, sath Mr. Barr has been get ing a Lriat many let mod about Barr
ware Alas matter shonde be addrused to I) I Muathich

 cheese was on inhithtion in Hembuch's 11 all The exceptionalls
cheese chense induc
louy all the

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or
hildren of the common the youth. the


Annual Meeting of Breed Societies at Toronto.





 Neters lssa ato at \& In-Ontario hom
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$\qquad$
 15.66, 4, R. A. Thompson, At wood, 95 . 99

 Cuthbertson. Sebringviile, $95.66 ; \quad 2, \mathrm{R}$. A Crompson, Atwool, $95.49 ; 3$ T, J. Humphrey
Avontank, $95.33 ; 4$ Hugh Patrick. St. Thomas, Twenty One-pornd Prints, Creamery - 1 , J. A Waddell, Kerwoot (preference for flavor), 96.16
K. A. Thompson, Itwood. $96.16: 3$,
F. ohnston, Innerkip,
Fift $y$-six-pound box dotober (reamery Butter
-1 , Geo Medid. Winchelsea, 95 . Hacker, Medi, Winchelsea, $95.82, ~ 2, ~ W, ~ M . ~ M r u ~$ Thomas (preference for flavor) Hugh Patrick, $95.32: 4$. .


Manufacturers Present Their Case

Ontario Fruit-growers
ail Meeting.
Fridas foll 3 rhe - Hell temin Innual Meetims

 Tuestlay. Feh. 7 th, at $7.30 \mathrm{p} . \mathrm{m}$.-Dominian "attle-breeders" Aisocition, Walker House. Wednestlay, Fel), Sth. $9.30 \mathrm{a} . \mathrm{m}$-Ontario Larg
Orkshire Sin House Wednestay, Feh, Sth, 11 a m.-Ontario Berh
chire Breeters Societ. Walker House
Wednes Wednesday, Feb, Sth. 2 p, m,-Dominion Swint
t, reenlers' Association, Temple Building, Toront Thursdas Feh 9 th, $7.30 \mathrm{p}, \mathrm{m}$ - -Directors Natho of Iominion Sheep-breeders Association Friday, Fel, 10 th, 9.30 a m -Dominion Sheep Freeders' Assoclation, Temple Building, Toronto
Friday. Feb. 10 th, 1.30 . uf Ontario Sheephthe 1.30 prem.-Innual Meeting
$\qquad$ ary 13th. The spokesman was T. A. Russell The Manufacturers' Association, whose recent ad
iress before the Canadian (Clut) of dress before the Canadian Club, of Toronto, at
tractede such widespread attention, the main
points in the memorial being supported by series eleven appendices, touching on the to the C'anadian market, the present inequality of tariffs along the border, the disedvantages under which Canadian exporters now labtor in respect of wing the steady investment of British, Furopean
and American capital in Canadian inductrial terprises, the effect of reciprocity on Cranadian tansportation intarusts, the importance of foster eveloping a profitathe home market a means procity weren to ath the alleged dankers of rech

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British Cattle Markets

 The catalogue which should be in th
hands of wery Shorthorn brueder tha
needs to increase or improve his hurd, needs to increase or improve his herd, i
that of the pedigrees of cattle to be sol February next, at I'nion stock yard
Toroato
It illustrated by portraits of 23
the animals of both sex.w, when pedigreer
show who has been breeding therm sinc how who ha
he beginning
st
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RECORI OF PERFORMANCE.
Maud Bessie De Kol (4384), matur
lass; $15,240.75 \mathrm{lbs}$ milk, 433.7468 lbs
er of days per cent. of fat 2.84, num
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Id class; $11,977.95$
umber of days in milk 385. of fat 3.30
Daisy Jane (6057), four-year-old class
$2,428.0$ lbs. milk. 455.23334 lbs. tat ys in milk 295 of fat 3.55 , number of
Winnie Westwoud (3968), mature class erage per cent. of tat 3.25 , number o
ays in milk 291. Owned by thos

Falry Winsumer (6854), three-year-old

3.3125 lbs milk, 469.781625 lbs , fat
erage per cent of fat 3.32 , number o

mik so3.

QUESTIONS AND ANSWERS
Miscellaneous


Side Views from an Irish Jaunting Car and Mono Railway


Dargle Bridge


THE FARMER'S ADVOCATE.
bust, and allows hidy decorated marble Which may be interesting to all who have h used for food, especially in that season, and the men wer produced a poet ?" Such praise from a "beluga," is lough, but the air bladder Brooklin, JACK LONG Iy a high tribute to the poet who had eggs, whicin sometimes make up onethird in his own day, was referred to ty

The Beaver Circle.
$\qquad$
 A New Competition.
The same subjects are given for both
boys and girls this time, but you will
have a choice. Write on but one subject have a chotce. Write on but one subject.
and send your compositions so that they
will reach weeks after the date upon which this paper is issu
Subjects:-
(1). A Skating or Snowshoeing Trip. (3). Have Animals Different Disposi tions, as People Have? Tell about your
cows, horses, dogs, etc., which show such
diinone The Picture Competition

 Norman Mckinney and Elmer Harding.
If ever any of you have a chance to see
one one of these fish, even a stuffed one in a
muspum, you will be very much interested. I suppose the old fellow which I saw frs
is still in the "Fisheries" at Ottawa among stuffed specimens of all kinds, from the whale down, he made an impression.
I have never seen one caught, but gave the competition in the hope that perhaps As you may know, the sturgeon most commonly inhatits the northern temperato
seas. from which the females ascend the rivers (wsperially muddy rivers) in the
spring to spawn, returning to the salt water in autumn. Some species, however,
are found in our great lakes: these never small fish, and upon soft substances Which they stir up from the bottom with

THE FAl:MER'S ADVOCATE.

"The Farmer's Advocate"


C876 Fancy Blo
34 to 42 bust.


40
 With High or
ural Waist-lin

 Foshdon Wept. " Farmer's Advocate,
London, (int.






The Ingle Nook.




 May peace and plenty ever reign,
May blessings fall
$\qquad$
Stencilling Designs.
Sing in our .Farmer's two of the dr



Thistle Desig
Thistle Desig Dear Dame Durden and Chaterers, wrll
egin this time with the ofld, old worn-
$\qquad$




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## 

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To.day ft
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## Please Mention The Advorasta

The Garden of a Com muter's Wife.

News of the Week.
 and dioked solemnly on at a respect-
ful listance, taking no notice of the
somewhat crookedly of Time for Martha is not unat-
tractive, having good hair portly freshness not seen among our
farming women of fifty or Father and Evan were busy with sun shone hrightly, the shadow cast
by the quaintly-wrought brass finger would not fall in the right place.
Alack ! the difficulty could not be
adlucted in iatitude, an owing to differences
anglish-born sundial cannot tell New England time.
Father laughed mischievously as he
,alliend Fallied Fvan upon the inadaptability
of the race to which he was the exThe asreement re the Fisheries ception that merely went to prove
dispute reached by the Commission- the rule Fvan did not laugh, but
ers at Washington last week wai a as he wlanced at me we mutually ictory for Canada. we the wague as he planced at me, we mutually
ward, and. in main cssentials, the thirthized each ond the dial will s right of

The Waits.
$\qquad$

Crossin seas don't change the
cart, while Tim forgot himself the
ndiscrectly clapped ter 'eart," while Tim forgot himself and
indiccrectly clapped her on the back,
sayna, apologetically, "Who'd ken
the puir dumb stane, the puir dumb stano "ud be sa obstistalking a proceeding she resented b
id a meaning to the garden of the
in that shall surround it. Mother,

$\qquad$
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THEFLY DoMESTIC
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gardenless woman, "my parents. did
not have a garden for me to inherit.
Am I therefore to be shut out
Am I therefore to be shut out o
Eden? What am Ito do ?,"
Do ? Wuy the ground on the cross
road with the trees, and make a gar-
den with all possible speed, that your
den with all possible speed, that your
children may be born with the lov
At present there is a lull in our
garden operations, and the soothing
haze of burning leaves hides the bare
outlines of the new heds around
outlines of the new beds around th
sundial. The violet plants that
are to yìeld Evan's buttonhole flow-
ers all winter, are comfortably set-
tled in the frames in the sunny corne
nary frame, with three sashes, ordi-
as we use for seeds in spring, will
hatd
these, if carefully protected by mats
courage bloom and weep out mould
ill furnish my commuter with hi
ome in bloom, besides giving his
pe many a handful of fragrance to
stands on her desk-top for the ha
horing of hor desk-top for the hat
We bought the volers.
our sut next season we shall grow
The lilies-of-the-valle
tence, sprimal wonderfully in my must and

before they are bedded with manure them them
horms lilies. We have always had
planten them and tradition. mothe
cad of letting them starve an
windle in the shade. Theve tro
Wuth from the apple tree thickly as
Evan wate a discovery early thi
he sum, when the dull rear light
teriaced branches, drew the ba
the
the
the porgeous, and shifting hues
tained tong
molnent tlass upon the floor forning the
to a latticed casement thain frames in
such was the slope of the land that
thick maple branches, the garde
would lif before us
oully liciple branches, the garder
$\qquad$
$\qquad$
$\qquad$

Hamilton Incubator Hatches Big, Healthy Chicks You never find the Hamilton guilty of hatching deformed chicks, or allow-
ing chicks to die in the shell. That is because the heating and ventilating systems istroduce the correct amount of life-giving oxyeng and moisture ing
the egg-chamber-because the heat-regulating system is accurate to a fraction皿 $\begin{aligned} & \text { of a degree - because the } \\ & \text { directions are so simple } \\ & \text { and correct. The Hamilton }\end{aligned}$


The Hamilton Incubator Co., Ltd., $\begin{gathered}\text { hamilton, } \\ \text { ontario. }\end{gathered}$


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| Simcoe, Ont., April gth, $\mathrm{tgo8}$. | Lucknow, Ont., April |
| tlake Shiogles for nearly a quarter | car Sirs --"I tak |
| centu | Shinglest. We put your painted shingle |
| Se. Free Library and other pulic bu | Wn Hall here in |
| a very large quantities during the | time they |
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| repairs. | nized 'Eastla |
|  | ned) THOS. LAWRENCE |

[^0]|  | questions and answers. Miscellaneous |
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cure
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surbsed. 1 on nowdered digitulus., arams

 Please let ene hnow the name "f
cloped wered
is cther information w.11 nne thanktuly Ans. The samplesur vivers in
 Whort rotation of crop is pract whed."
"here thorough culluation and seed

 for seeds, unless the wowds haw ben
thand-willed and destrovel

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QUESTIONS AND ANSWERS
Miscellaneous
horses sweating in stable What causes horses to sweat when
standing in the stable, the steam rising standing in the stable, the stenm rising
from them like steam trom a teakettle?


To CLEAN Chimney - barley

 up on the root and clean it.
2. No. htough tor feeding, with an
ordinary tarm-rrown ordinary farm-grown ration of roushags
barley is not likely to give quite so

bull has scurfy skin

$\qquad$
$\qquad$
$\qquad$
$\qquad$ mixee with his oats would probably im
prove the condition of his skin and hair
Washing him with warm sote water and Washing him with warm soft water and
castie somp .and blanketing him atter-
cards. Would help, but of course it would
 coaltar dip, and then blanketed.
BALANCED RATIONS FOR COWS What is a good balanced grain ration
Co feed mulch cous ? am treading whea


$\qquad$

aspecially oil meal, winl he refulated
Cement for stable floor.

1. I amp puting in a new stable. Will
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oATS TO RIPEN WITH BARLEY What kind of oata will ripen theat o


DON'T WORK SO HARD In e ent a lew dollars in a Handy WARD
ave ourcelf muscleache, and your thon, ani whel-atterned dine a divered
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why any sensible man will ro blindly Why any sensible man will go blindly
ahead and buy an out-of-date wood
shingle roof, or a metal roof which is shingle roof, or a metal roof which is
not guaranteed in writing, withoutt
seriously investigating the facts seriously investigating the facto
about my Oshawa steel Shingles.
It is so clearly to his own advantage It is so clearly to his own advantage
to get the moss he can for his money
yourd think he woudd you'd think he would lee hlad to know
more about rooffing material which
is lut is better than any he has yet useed.
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way to it many a man who himself
of the fruitson modern industrial of the fruits of modern industrial pro-
gress.
Here I offer to sell you a roof which
you you know to be good, and which I
guarantee (with a guarantee I have
to back up to back up or go out of business)
stay a goord roof for all of 25 years.
Now will you please Now will you please give years.
good reason why any man- YoU, my
friend for friend for example-should not
interested enough in getcing the bey
roof for HIS OWN In mond

A roof that you are absolutely sure will
settle every solitary bit of roofing expense settle every solitary bit of roofing expense
for a whole quarter-centary. A roof that
you way the you pay the same forinow as you pay for
other kinds of roof, but which will need no patching, no fixing or replacing for the next
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building absolutely weatherproof with never
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