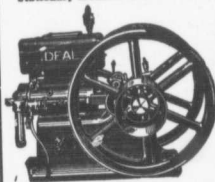


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Clothier, bred in R.O.P. zone. Also three  
Clyde Fillies and 3 Stallions. Yearlings.  
—R. M. Holby, Manchester, Ont.

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ful pair of Skates. Just  
show Farm and Dairy to  
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we will send you the  
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Hockey Skates—the kind most girls and boys  
are wearing—of Lever Clamp Skates to put on  
ordinary shoes.

They are Heavy Nickel Plated and of Good  
Steel. Write to-day.

Farm and Dairy, Peterboro

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NOTE GENUINE UNLESS T.E.

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MADE IN U.S.A.

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THE ORIGINAL PREPARED ROOFING, WHICH FOR

22 YEARS HAS WITHSTOOD THE SEVEREST CLIMATIC

CONDITIONS, ON ALL CLASSES OF BUILDINGS.

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NO EQUAL. IT IS WEATHERPROOF, FIRE RESISTING,

EASY TO LAY, AND GIVES LONGER SERVICE PER DOLLAR

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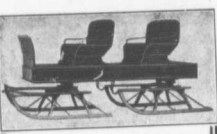
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On Your Sleigh

until you get our Pocket Cata-  
logue No. 33, and then you will  
say "slidoo" to all other prices  
and sleighs, for we sell direct

GIDLEY CARRIAGE CO.

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Don't ship to anyone till you get the Buffalo  
trap line, the home of the manufacturer.  
Write J. I. GLEED, East Aurora, N. Y.,  
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for a Horse

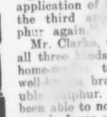
give a horse and you  
have to buy one.  
Don't sell or destroy any  
horse on account of  
Spartan, Splint, Ringbone,  
Curb, Spavin or Lameness.  
Spend one dollar for a  
bottle.

KENDALL'S  
SPAVIN CURE

has saved a great many horses—has put  
them back to work, even after they have  
been given up. Over 35 years of success  
have proved its value.  
Mr. J. M. Gosselin of St. Lin, Que.  
writes:

"I have been using your Spavin  
Cure for many years, always with  
excellent results.  
I can endorse your Spavin Cure as  
an extraordinary cure for  
all Spavins, Curls, etc. I can  
testify to the fact that I have  
used it on the most stubborn  
cases of Spavin and have  
always found it to be a  
perfect cure."

Dr. B. J. Kendall Co.,  
Enochs Falls, Vermont, U.S.A.



## HORTICULTURE

## Bordeaux vs. Lime-sulphur

The apple-scab is going to cause a  
big percentage of Ontario apples to be  
culls this season, save in those  
orchards where the most thorough  
spraying has been done. Unsprayed  
orchards are badly infested with scab.  
Even where the lime-sulphur has been  
used without an application of blue-  
stone, the scab is all too prevalent on  
the apples. Some fruit growers have  
arrived at the conclusion that it is not  
possible to hold the apple-scab in check  
without the use of Bordeaux mixture  
(blue-stone). Amongst these latter,  
who are thorough-going orchardists,  
is numbered Mr. J. W. Clarke, of  
Brant Co., Ont.

For the last two years Mr. Clarke  
has been using the lime-sulphur solu-  
tions exclusively. He has been forced  
to conclude from his experience, that  
blue-stone is necessary to do the work  
it being the stronger fungicide.

"In future," affirms Mr. Clarke, "I  
shall use the Bordeaux mixture at  
least once in the season to counter-  
balance the lime-sulphur. I shall continue to make  
the first spraying of the season with  
lime-sulphur, when the growth is dormant,  
especially if I have oyster-shell  
scale to kill. For this work the lime-  
sulphur is most efficient. I believe that  
it being the strongest fungicide, it  
is doing the work just as the buds are  
bursting. I shall use the blue-stone.  
Then, in order to prevent the russet-  
ing, which would result from a later  
application of Bordeaux, I shall make  
the third application with lime-sul-  
phur again."

Mr. Clarke, this past year, has used  
all three kinds of lime-sulphur—the  
home-made, the Commercial and the new  
sulphur. He claims to have been  
able to notice no difference what-  
ever in favor of any one over another.  
With his power outfit for spraying  
available, he made thorough applica-  
tions of the spray, and soaked the  
trees; yet the apple-scab is quite free-  
ly prevalent in spite of it all.

## Permanent Strawberry Patch

W. O. Morse, Halton Co., Ont.

I have been picking strawberries  
off of the same patch for a good many  
years now, and expect to for a good  
many years to come. I believe that  
a permanent strawberry patch is for the  
man who plans to grow only enough  
strawberries for home use as I do.  
It may be all right for a commercial  
strawberry grower to renew his plant-  
ing every second year, but for the  
most of us my plan will work and be  
quite satisfactory. Here it is:

My strawberries are grown on the  
matted row system. All who have  
grown strawberries know that the

centre of the row tends to die out,  
while the two sides start a vigorous  
growth of young plants. In the fall  
or spring I plow a couple of furrows  
down the side and centre of each row  
of strawberries, leaving one side of  
the row composed of vigorous young  
plants to renew the plantation. A  
couple of turns with the cultivator  
will break up the furrows and leave  
the land level and in good tith for  
the next crop of berries.

## Grading to Size in Barrels

A. McNeil, Chief of Fruit Division.

Ottawa

The packing season has now com-  
menced, and for the next two months  
the growers will be at their busiest.  
In many parts of Canada the crop of  
apples is a poor one, damaged by  
scab and of small size, and in these  
localities the grower will find that  
he has very few No. 1 apples in pro-  
portion to the local crop on the trees.  
Of course this situation might have  
been remedied to some extent by  
thinning in the season, but as this  
practice is unfortunately only  
adopted by the great minority (in  
spite of the statements which have  
been published in the past) it is  
safe to say that the difficulty already  
mentioned will exist this season.

The time is opportune, then, to  
place before our readers a natural  
conclusion. Great numbers of apples  
have been recently in the mat-  
ure of packing fruit, and these im-  
provements have had a correspond-  
ingly great effect upon the tastes of  
the consuming public. The conclu-  
sion is, therefore, that it would be in  
no sense wise for any grower to  
think of including in a No. 1 barrel  
anything but fruit of the choicest  
quality, free from blemishes, and of  
good color.

THE TWO SIZES OF NO. 1

More than that, there are growers  
—though unfortunately they are few  
in number—who have gone so far as  
to split their No. 1 grade into two  
sizes rather than pack in one barrel  
apples which, though perfectly uni-  
form in other respects, still show  
some variation in size.

This practice of grading to size in  
barrels is a highly commendable one.  
In the first place it makes a good  
impression upon the merchant who  
receives the fruit. There is more in  
this statement than appears to  
the casual reader. To place a mer-  
chant, or convince him that you are  
conscientious in your methods, and  
through him to give the consumer a  
perfect article, is to take a long step  
toward that success to which every  
fruit grower aspires.

There are, in the second place,  
certain markets which demand a  
fairly large apple, but there are  
other markets which desire a small  
size, particularly for table use. The  
grower who grades to size is there-  
fore able to cater to a variety of mar-  
kets.

## For Maple Sugar Growers

J. B. Spencer, B.S.A., of the Liv

Stock Branch at Ottawa, has estab-  
lished a reputation for getting out  
attractive bulletins. His latest is en-  
titled "Maple Sugar." From the  
front cover to the back the bulletin  
is most attractively illustrated and full  
of the very best of information for  
maple sugar growers.

Of special interest to maple sug-  
ar men should be the colored plates  
showing the differences in color of  
different grades of syrup and sugar.  
The recently organized "Co-operative  
Maple Sugar Makers' Association"  
comes in for a chapter, as does also  
the Maple Sugar Contest conducted  
by Mr. John H. Grimm of Montreal  
in 1913.

Copies of the bulletin may be had  
on application to the Government  
Printing Bureau at Ottawa.

head in turkeys  
fowl, infectious  
usually seen in the  
and fatal form among  
nature and cause of it  
made by Dr. Th.  
Rhodes Island, under  
phices of the United  
ment of agriculture  
Island. Agricultural in-  
vestigators have since  
study of the disease,  
most widely dis-  
distinct menace to the  
industry.

Detailed information  
the manner in which  
transmitted from an  
healthy bird to a sick  
that this infection is  
droppings or from a  
which they have be-  
There is still some dif-  
ficulty as to the exact  
is liable for the lesions pro-  
is generally conceded to  
protozoan parasite,  
conducting experiments  
to be able to arrive at  
conclusions regarding the  
unsettled points.

The losses from this  
been enormous, and I  
is a factor responsible  
ence of turkeys. The  
losses is well indicated  
that two decades ago a  
Island (Block Island),  
Island coast, provided  
morable birds a day  
day but 500 pounds  
from the same locality  
are also current that in  
Ontario where 10 car-  
loads are available year  
now difficult to secure  
The reason to be ascribed  
falling off in production  
rally of rearing stock to  
stand this affliction.

In Canada the disease  
mentioned by Gilbert in  
mental Farms Report  
has since been repeated  
upon evidence obtained at  
Bury and at the Bacteri-  
ology of the Guelph  
College. From the infor-  
mation received at this  
is evident that there is  
in Canada where black-  
make its presence felt  
less severity each season  
portions of the country  
has made such an inroad on  
industry as to almost  
raising of this class of f-

HOW THE DISEASE OCCURS

The usual history connected  
with an individual bird  
desires to supplement  
operations by raising  
keys. He is an unusu-  
parent stock or sitting  
and experience has been  
ally aware of the fact  
ought with the birds or  
active agent of this on-  
ter separates him from  
the carner and the time  
reason is then too late  
tempt another start, he  
infected, and, discoun-  
ult, he decides to relin-  
in this effort in the di-  
the common where in  
blackhead) makes its ap-  
70 per cent. of the y-  
where they are suffici-  
able purposes. The early symptoms pr-

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roofs which never lose their color.

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ROOFING