

HERE  
IT IS!



it brings a new smile  
-THE TYPE "Z"  
engine smile  
of satisfaction

LOOK FOR THE  
"Z" ON THE  
NAME PLATE

Absolutely the one great convincing  
engine value of the day.

**Fairbanks-Morse Quality  
at a Popular Price**

That's the story in a nutshell. This new  
"Z" Engine puts dependable, efficient,  
economical "power" within the reach of  
every farm.

**"More Than Rated Power  
and a Wonder at the Price"**  
Simple—Light Weight—Substantial—Fuel-  
proof Construction—One Barrel Cylinder—  
Bore—Leak-proof Compression—Complete  
with Built-in Magneto. Quick starting  
even in cold weather. Low first cost—  
low fuel cost—low maintenance cost.  
That's the "Z" Engine.

GO TO YOUR DEALER AND SEE THE "Z"

**The Canadian Fairbanks-  
Morse Co., Limited**

St. John, Montreal, Toronto,  
Winnipeg, Saskatoon,  
Calgary, Vancouver.

**THE NEW  
"Z"**

**1½ H. P. \$65.**

3 H. P. \$115.

6 H. P. \$205.

F. O. B. Montreal  
or Toronto

**Important Dealer Service**

When you get an engine from  
your dealer, you deal with a  
local representative of a  
reputable company. He stands behind  
the engine he sells. He is re-  
sponsible to you. He is a "papa"  
service to see that you are satis-  
fied. And let's be sure you say  
your telephone say thus you  
want him.

**The Surest Way**

To sell your surplus stock is  
through the live stock columns of  
Farm and Dairy. The cost is little and the results certain. Send in  
your ad.

**Patriotism, Production and Profit**

are combined in the use of

**SYDNEY BASIC SLAG**

The Canadian farmer is asked to help in winning the war  
by producing more food stuffs. To get a bumper crop of  
Wheat the sure way is to apply Sydney Basic Slag. It  
costs Twenty Dollars per ton, the same as before the war.  
At this price no man can afford not to use fertilizer. Send  
us your name and address and our Salesman will call and  
tell you all about Sydney Basic Slag. If you have a little  
time to spare perhaps you could distribute a car of twenty  
tons among your neighbors. You will be reasonably re-  
munerated for your trouble, but, above all, you will be  
doing your bit in helping to win the war by increasing  
food production.

**THE CROSS FERTILIZER CO. LIMITED**

Sydney - Nova Scotia

## HORTICULTURE

### Orchard and Garden Notes

**D**O not let a crust form over the  
garden. Keep the cultivator  
going.

The leicic is a good white radish  
for late spring and early summer use.  
A last planting of beans and sweet  
corn may be made now with a chance  
of their maturing enough to be used.

The old strawberry bed may be  
plowed up and rutabagas sown on it.  
If it is near water and not too much  
acid in it, celery may be set out. Cab-  
bage are also sometimes put on land  
of this sort.

Sow some endive and Chinese cab-  
bage for late fall use.

Plant hie thrive at this time of year.  
Tobacco preparations or soap suds  
usually will destroy them.

This is the season when the canning  
machine should be in use frequently  
for both fruits and vegetables.

Currants and gooseberries may be  
munched with clean hay or lawn clip-  
pings when the fruit is so far advanc-  
ed as to make cultivating injurious.

Keep the seed pods of peas and  
sweet peas if you want them to con-  
tinue to blossom. When sweet peas  
begin to blossom give them plenty of  
water at the roots.

Manure, nitrate of soda, or  
other nitrogenous fertilizer may be put  
on onions and leaf crops if they do not  
seem to be growing well. About 900  
pounds per acre is used.

Swiss chard is prepared for table  
use in the same manner as beet tops.  
It is also liked very much by chickens.  
Cut off a part of the leaves at a time  
and others quickly grow in their  
places.

### A Test for Cooperation

**T**HE fruit marketing situation of-  
fers a great opportunity to put  
cooperation this year to the test,  
on a scale never before attempted.  
Fruit growers will recognize that by  
individual effort the fruit crop could  
not be marketed. Even in a normal  
season when the surplus fruit is ship-  
ped overseas it has required the large  
cooperative organizations to prevent  
one market from becoming glutted  
with fruit, while the possibilities of  
another market were not nearly de-  
veloped. This year if a million ben-  
eficiaries of apples more than usual are  
to be marketed in Canada the strictest  
tab will have to be kept on the possi-  
bilities of every market, and every  
market will have to be developed to  
its utmost. This can be done only  
through cooperative marketing.

The cooperative effort should be ex-  
tended through picking, grading, pack-  
ing and marketing. If the market is  
going to be crowded with apples, it is  
only right that culls should be dis-  
posed of in some other way besides  
through the marketing. To insure that  
all high grade apples find a market  
and that grading should be a little more  
rigorous than is usually the case.

The task which faces cooperative  
associations in facing in this abnor-  
mal year markets for Canada's fruit  
crop is the bleakest which has yet faced  
them. If the members of these orga-  
nizations throughout Canada give them  
their entire support and leave it to the  
directors in charge, who are in a good  
position to know where the fruit should be  
marketed, a serious calamity in apple  
marketing will likely be averted. This  
is a year when fruit growers for their  
own interests should at least give the  
cooperative organizations a fair chance  
to show what they can do.—S. R. N. H.

### Blue Sea Lake Dairy Farm

(Continued from page 5.)

growing strawberries and vegetables  
requiring a quantity of water. In the  
garden there is an asparagus bed  
about seven years old, containing  
about 300 plants; a strawberry bed of  
over 1,000 plants; a rhubarb bed and  
four rows of bush fruit, consisting of  
red raspberries, red and white cur-  
rants, gooseberries, and blackberries.

Over 100 of early apple trees, and a  
number of plum and cherry trees have  
been planted, but as they are only a  
few years old are not yet bearing.  
These trees have been put in in four  
different runs that have been arranged  
to permit of the shutting of the house  
out of the orchard at any time without  
interfering with their access to the  
hen houses.

### Buildings.

The farm is well equipped with  
buildings. The farm house is warmly  
built with five bedrooms, a living-  
room, a kitchen, an outer kitchen,  
and a wood-shed. The barn is an old-  
fashioned log building. A new roof  
was put on it a few years ago. The  
stable is made of concrete. It is well  
lighted and ventilated. Water bowls  
are in front of the cows, supplied from  
a 1,000 gallon tank, which is filled  
with a pump operated by a six horse  
power gasoline engine. The liquid  
manure is drained from the gutter to  
a cement lateral, from which it is  
pumped for use in the garden. The  
feed room of the stable has a power  
shaft in it, operated by a six horse-  
power engine, which drives a straw  
cutter, grain grinder, root pulper, and  
bone cutter. There is a silo 34 x 14  
feet connected with the feed room. A  
well pen, under the same roof as a  
stable, has a paddock of about an acre  
in size, connected with it for the calf  
to exercise in, including the stalls  
for milking. There is a room for  
about twenty-four animals in the  
stable and the heifer annex. There  
are several pens for calves in other  
buildings also. The pigsty is a modern  
up-to-date building. It runs east  
and west with many large windows on  
the south side. It has a cement floor  
and iron post partitions between pens.  
There are three pens which will ac-  
commodate from five to ten pigs each.  
There are open-air runs behind the  
pigsty. The feed room at one end  
of the pigsty is well equipped with  
cement root collar, running water and  
boiler. The dairy is a two-story build-  
ing with cement floor and is well light-  
ed and ventilated. It also has running  
water in it.

The poultry department is well sup-  
plied with six houses and a number of  
chicken coops. There is accommoda-  
tion for about 400 hens, and a cement  
cellar for incubators. There are  
three incubators and a number of  
hens on the farm. There is suffi-  
cient plant to raise 2,000 chickens  
a year. Other buildings, such as car-  
penter shop, tool shed, ice house, im-  
plement shed, horse stable and gran-  
ary, are to be found on the place.  
**Implements and Machinery.**  
There are three young and heavy  
Clydesdale grade horses on the farm,  
and a very complete outfit of machin-  
ery. Everything has been arranged  
with the object of saving labor. Most  
of the implements are for three  
horses. They do almost as much  
work as two two-horse implements,  
and save the wages of a teamster.  
There are two gasoline engines on the  
farm. A one and a half horsepower  
engine drives a cream separator and  
churn in the dairy, and a six horse  
power engine pumps the water for the  
stable, the pigsty, and the dairy, as  
well as supplying water for the irriga-  
tion system in the garden, and to a

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