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comes to the woman
who uses
1/2 sugar
and 1/2
LILY WHITE
SYRUP**

Send for FREE book of recipes for new
results in preserving
The Canada Starch Co., Limited
MONTREAL

Messrs. A. J. Hickman & Co.
Halse Grange - Brackley, England
*Exporters of all Breeds
of Pedigree Live Stock.*
Send for an illustrated catalogue and see what we
can do for you. Whether you want show
or breeding stock, buy direct from
England and save money.

Maple Shade SHORTHORNS

A dozen young bulls
imported and my own
breeding at moderate
prices.

W. A. DRYDEN
Brooklin - - Ontario

English Dual-Purpose Shorthorns

We offer a grand choice of young bulls
and bull calves from imported dams and
sire, bred on the English system for milk
and beef. They will add value to any
herd. The dual characteristics have been
impressed by scientific treatment for con-
tinuous years. Prices moderate.

Always on hand, sows and boars of the
most satisfactory breed of pigs, English
Large Blacks.

F. W. COCKSHUTT
Lynnore Stock Farm, Brantford, Ont.

SHORTHORNS

Present offering: Six young bulls, Reds and
Roans, also a number of females. They have
size, quality and breeding from good milking
dams. Prices moderate. Satisfaction guaranteed.

CHAS. GRAHAM - Port Perry, Ontario

Mardella Dual-Purpose SHORTHORNS

Eight choice young bulls, 30 females, cows and
heifers. All of good size, type and breeding. Herd
headed by The Duke; dam gave 13,599 lbs. milk,
474 lbs. butter-fat. He is one of the greatest living
combinations of beef, milk and Shorthorn charac-
ter. All priced to sell. Write, call or 'phone.

THOMAS GRAHAM, Port Perry, R.R. 3, Ontario

Scotch Shorthorns—Herd headed by Master
Marquis =123326=, by
Gainford Marquis. Stock of either sex for sale.
Also Oxford Down ewes.

GEO. D. FLETCHER, Erin, R.R. 1, Ont.

DUAL-PURPOSE SHORTHORNS

A number of females, some with heifer calves by
their side. Also Dorset Horned sheep.

VALMER BARTLETT - Canfield, Ontario

Wanted to buy, **Shorthorn Bulls**,
not particular about fancy breeding; must be fat,
straight individuals, reds and roans, from 12 to 18
months old.

PALMER BROS., Belding, Mich.

Maple Leaf Shorthorns—Herd headers:
Gloster Benedict 112498, by
Master Ruby, and Ury of Myreton (imp.) 155503.
One for sale. Also cows with calf heifers and
young bulls. Shropshire sheep. **J. BAKER**,
Hampton, Ont., Bowmanville Station.

What Are You Doing?

BY C. F. MACKENZIE, B. S. A., FIELDMAN,
ONT. C. B. A.

Good live stock is the basis of all
successful agriculture. Canada is, with-
out question, an agricultural country.
Therefore, in order that we may become a
successful people, we must have good live
stock.

During the year of 1919 in Ontario
only about 2 per cent. of our live stock
marketed were fit for export. This does
not look as though we were building a
very strong foundation for our chief
industry.

Recently steps were taken to endeavor
to improve the quality of our live stock
by the organizing of an active campaign
against the use of grade and inferior pure-
bred sires.

Both Federal and Provincial Govern-
ments are backing this campaign with
the object of entirely eliminating all
grade and inferior pure-bred bulls in the
Province of Ontario.

Breeders of pure-bred cattle and the
various breed associations promised to
co-operate in every possible way to achieve
the desired result.

Throughout a number of counties the
Agricultural Representatives have been
actively engaged in pushing the campaign
along lines suitable to existing local
conditions.

The field man of the Ontario Cattle
Breeders' Association has been working
in co-operation with the Agricultural
Representatives, and while the work has
been slow, yet good results have been
attained in many cases.

However, if the whole task of eliminat-
ing the inferior bulls is left to a small
group of government men, it is only
reasonable to expect that the process of
elimination will be exceedingly slow. We
understand that a census is being taken
by all agricultural representatives so that
those men who are using grade and scrub
bulls may be visited. Why would it not
be possible for pure-bred breeders to call
on some of these men and endeavor to
persuade them to buy a pure-bred bull?
Let us suppose that in about 30 counties,
between now and next January, we had
ten breeders in each county who succeeded
in placing one pure-bred bull in a herd
where a grade or scrub had been pre-
viously used. That would mean that 300
grade or scrub bulls would have been
put out of business.

Carrying our supposition further, if
each grade or scrub bull had been siring
30 calves per year, and the pure-bred
bulls sired the same number, viz., 9,000
in all, putting it at a low estimate those
9,000 calves from pure-bred bulls would
be worth \$10 per head more, or \$90,000
in all. Do those figures look unreasonable?
We think not. Have we got 10 breeders
in 30 counties, or have we 300 men in
Ontario who are interested enough, in
building up the cattle industry, to go out
and tactfully persuade 300 users of
inferior bulls to buy better ones? I am
sure we have a large number of farmers
in Ontario who have found it profitable
to use only the best bull that can be
obtained. Therefore, these are the men
who are in the best position to present
the case of the good bull to the users of
the inferior bull.

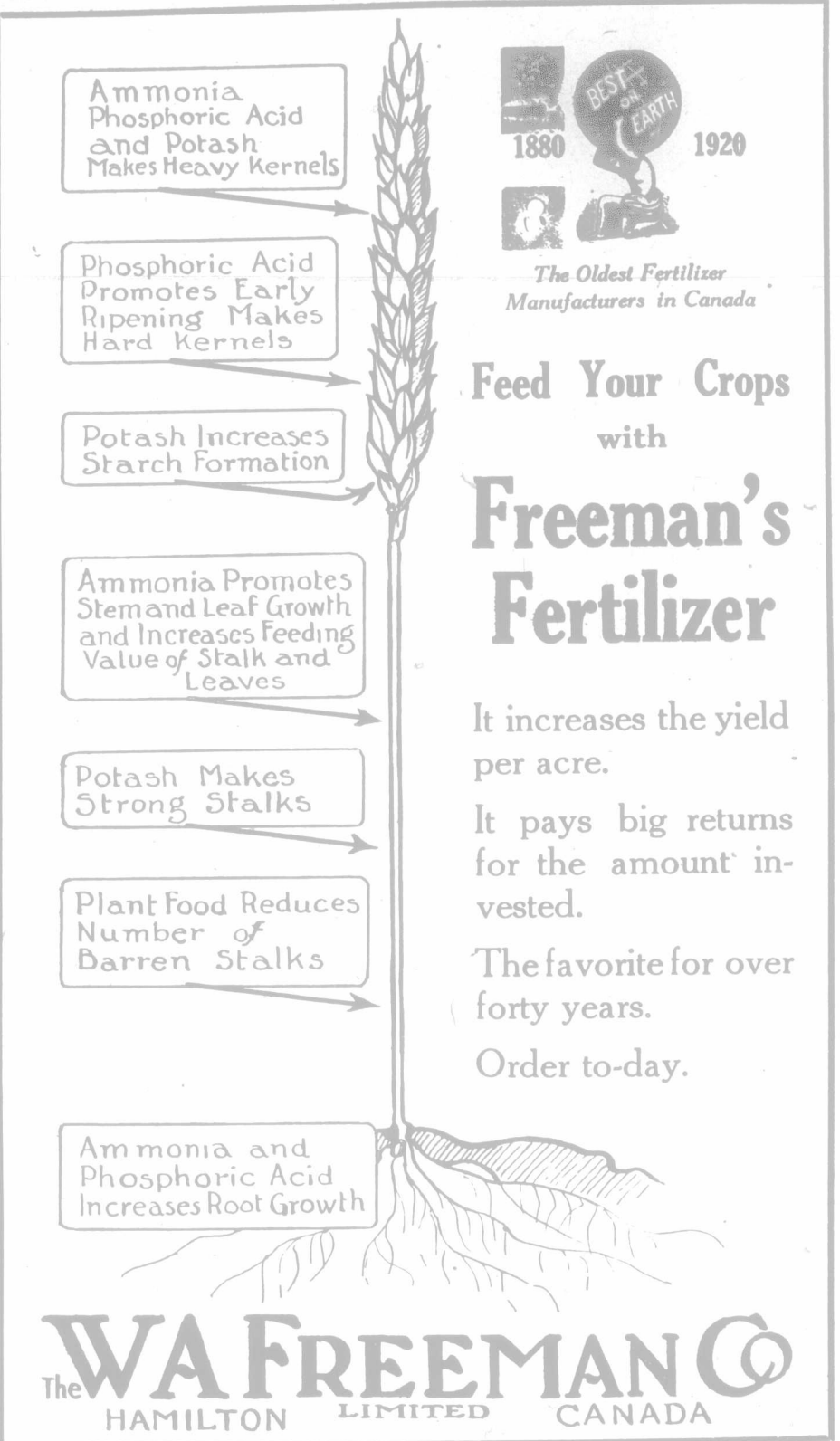
There are a number of men who seem to
think that the user of a poor bull is a
very difficult man to influence. They
are under the impression that he is a
man who is almost impossible to approach
and equally impossible to convince.

It has been my experience that the
man who uses the grade or scrub bull is
just an average type of Ontario farmer.
A man who, perhaps, on account of his
location has been forced to use the grade
or scrub bull. He has been battling
against the lack of help and the problem
of keeping up with his work as best he
could. Hence, he has out of necessity
used the nearest bull in order to have his
cows freshen.

In calling on these men it has been
found that they are ready to listen to our
arguments in favor of better bulls, and in
many cases needed only to be tactfully
approached. Many of these men have
never really given the matter serious
consideration.

Another feature is that prices are high
at present for almost any kind of cattle.

We must present the case to these men
from every possible angle. The fact that
we condemn the grade bull is not enough.
We must keep everlastingly at it if we



**Ammonia
Phosphoric Acid
and Potash
Makes Heavy kernels**

**Phosphoric Acid
Promotes Early
Ripening Makes
Hard Kernels**

**Potash Increases
Starch Formation**

**Ammonia Promotes
Stem and Leaf Growth
and Increases Feeding
Value of Stalk and
Leaves**

**Potash Makes
Strong Stalks**

**Plant Food Reduces
Number of
Barren Stalks**

**Ammonia and
Phosphoric Acid
Increases Root Growth**

WA FREEMAN CO
The HAMILTON LIMITED CANADA

A NEW IMPORTATION OF 40 SCOTCH SHORTHORNS

arrived home Dec. 17th. From our herd of 125 head we can offer a large selection
in choicely-bred bulls and females. Anyone in need of foundation stock may
find it to their advantage to look over our offering before making any purchases.

J. A. & H. M. PETTIT :: **FREEMAN, ONTARIO**
Burlington Jct., G.T.R., only half mile from farm.

Eighty-three years without change we have been breeding

SCOTCH SHORTHORNS

My herd is stronger than ever, and I have cows with calves at foot, heifers in calf, younger heifers
young bulls fit for service soon, for sale in any number at reasonable prices. Augusta Sultan =93092=
one of the greatest living sires, at head of herd. Write me, and, if possible, come and see me, it is
worth while. Post Office, Telephone, Telegraph and Station is Stouffville, Ont. I pay the freight.

ROBERT MILLER :: **STOUFFVILLE, ONTARIO**

Reyburn Milking Shorthorns

Herd headed by Victor 3rd, Imp., Grand Champion at Erie Show and
Congress. Herd average over 9,500 lbs. milk per cow.
Choice cows, heifers and herd-leading sires for sale.

R. R. WHEATON :: **THORNDAL, ONTARIO**
Long-distance 'phone and telegraph.

MILKING SHORTHORNS Young stock from R. O. P. cows by imported
sires.
BERKSHIRE PIGS Choicely bred sows and boars, all ages. Can supply pairs,
not akin.
J. B. PEARSON, Manager - Credit Grange Farm - Meadowvale, Ont.

SPRUCE GLEN SHORTHORNS

We have a few choice, well bred, thick, deep level, mellow young bulls of breeding age for sale; also
heifers in calf to a right good sire. Write for particulars.

JAMES McPHERSON & SONS - Dundalk, Ontario

Puslinch Plains Shorthorns—Bulls for Sale—Royal Signet =134979=, red; born Oct.
7th, 1919. Sire, Royal Ramsden =123067=, Dam, Roan
Lady 50th =143772=. Price \$300. Goldale =138966=, roan; born Dec. 15th, 1919. Sire,
Brownale Reserve =116815=. Dam, Roan Bessie 11th =140322=. Price \$200.

A. G. AULD, R. 2, Guelph, Ont.

BLAIRGOWRIE SHORTHORNS!

Three imported bulls. Ten imported females in calf
or calf by side. Two Scotch-bred bulls. Five Scotch-
bred cows with calves by side.
JOHN MILLER - **ASHBURN, ONTARIO**
(Myrtle C. P. R. and G. T. R.)