



We wish to invite attention to the fact that we now manufacture the most complete line of Haying Tools in Canada.

### THE ACCOMPANYING IS A CUT OF THE ELY REVERSIBLE CARRIER

—WHICH IS THE—

Best Reversible Hay Carrier Made.

It is arranged to run in either direction without change of parts. It runs on a track made of 4x4 timber, supported by rod hangers from the rafters, thus forming a swing track, and is the only Reversible Carrier that will not pass the lug except when desired to run it in the opposite direction.

The Grappling Apparatus is simple, durable and strong, and its operation positive. Send for descriptive catalogue of our full line of Haying Tools, also Windmills, Feed Grinders, Ironwood Pumps, &c., before purchasing elsewhere.

ONTARIO PUMP COMPANY, LIMITED,  
243y-245b TORONTO, ONTARIO.

## THE GREAT LABOR SAVER! WISNER'S HAY TEDDER

—MANUFACTURED BY—

J. O. WISNER, SON & CO., BRANTFORD, ONT., CANADA.

A Marvel of  
CHEAPNESS,  
SIMPLICITY,  
DURABILITY,  
—AND—  
EFFECTIVE WORKING.

500 Being Made  
for 1886.



WISNER'S HAY TEDDER.

Guaranteed to Work  
Satisfactorily.

Will do more and better  
work than TEN men  
with forks.

500 Being Made  
for 1886.

Orders are already coming in, and the wisest course is to place your order at once and avoid disappointment. Hay cured with a Tedder is worth from two to four dollars per ton more than that gathered without. It will pay for itself in one wet or showery season. Do not fear to try it, for we guarantee its working and want it thoroughly tested. It will work in all kinds of grass, and on any land. 245-a&x

J. O. WISNER, SON & CO., Brantford, Ont.

## SPRING PLANTING! Toronto Nurseries.

200 ACRES.

We again offer for sale a first-class, well-assorted stock of  
Fruit Trees, Small Fruit Plants,  
Hardy Grape Vines, &c.,  
Ornamental Trees, Flowering Shrubs,  
Roses, Climbing Plants, &c.,  
all the best old and new varieties.

### SPECIALTIES:

PLUM TREES ON HARDY CANADIAN STOCK,  
INCLUDING  
Moore's Arctic, Goderich & Evans',  
Fay's Prolific Currant,  
Industry Gooseberry,  
Niagara, Empire State, and other new  
Marlboro', Nemaha and other new Raspberries,  
Jewell and other new Strawberries,  
Clematis, including the perfectly hardy  
Yellow "Gravolus,"  
Prunus Pissardi, Variegated Dogwood,  
Street Trees of large size.

EVERGREENS, especially Norway Spruce,  
9 inches to 4 feet high.

We pack our stock to carry safely anywhere. Descriptive priced catalogues mailed free to all applicants. Correspondence solicited.

GEO. LESLIE & SON,  
TORONTO NURSERIES,  
LESLIE P. O., ONT.

243-c

## FOR Fruit Packages —AND— BASKETS

Of every description and of the best quality, send to THE

### OAKVILLE BASKET FACTORY!

Strawberry and Raspberry Baskets.  
Cherry, Peach, Plum and Grape Baskets.  
Clothes Baskets. Butcher's Baskets.  
1, 2 and 3 Bushel Baskets.  
Satchel and Market Baskets.  
Gardener's Plant Boxes.  
Grocers' Butter Dishes, &c., &c., &c.  
W. B. CHISHOLM, - Oakville.  
243-d

## FOR SALE. FRUIT AND ORNAMENTAL TREES.

Apples, \$15.00 per 100; Pears, \$25.00 to \$35.00 per 100; Plums, \$25.00 to \$35.00 per 100; Norway Spruce, \$5.00 to \$35.00 per 100; Austrian Pine, \$20.00 per 100; Roses, \$10.00 per 100; Grape Vines at all prices.

GEORGE ARNOLD, Prop.,  
PARIS NURSERIES

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### Notices.

Secure some of the Bronze King potatoes. One pound will be sent to your address for sending in one NEW paid subscriber.

Our subscribers would do well always to refer to our advertising columns to see if the articles they desire to purchase are advertised. The most reliable manufacturers' and stockmen's advertisements are constantly appearing in the ADVOCATE. Every month we decline some advertisements, knowing them to be not as represented. We hear the Reaper and Mower Knife Sharpener, manufactured by P. Straith, of Clinton, spoken highly of.

We recently called upon the pushing firm of J. O. Wisner, Son & Co., Brantford, Ont., and found them wrestling with a great many more drill orders than they could well fill, despite the fact of building more than in any previous season. They are about commencing the manufacture of the 500 hay tedders they expect to sell this season, and speak with great confidence of the merits of the Wisner Hay Tedder, combined with its low price. They invite any farmer wishing to purchase to test its good qualities.

We have pleasure in directing attention to the advertisement of Burrow, Stewart & Milne, of Hamilton, which appears in our paper. The scales made by this firm are now in use throughout the Dominion, from Halifax, N. S., to Victoria, B. C., and have attained a very high reputation. This firm are very extensive scale manufacturers. They have scales adapted for all purposes, hay scales, cattle scales, dairy scales, family scales, butchers' and grocers' scales, warehouse scales, hopper scales, platform scales, etc.; also mill and warehouse trucks. They have agents in nearly every town and village of any importance in Canada. Burrow, Stewart & Milne make not only scales, but a very full line of the choicest styles of coal and wood cooking and heating stoves. They also manufacture all kinds of malleable iron castings, saddlery and carriage hardware, currycombs, etc., etc.

The Secretary of the National Butter, Cheese and Egg Association alleges that \$500,000 has been raised among the bogus butter men to prevent legislation for the regulation of the manufacture and sale of butter substitutes, and broadly intimates that it has something to do with the delay of such legislation.

The following expression of Jos. H. Reall concerning the imitation butter business can hardly be regarded as complimentary to the counterfeiters: It is the greatest and most outrageous swindle ever practiced upon any people. It is a crime against the state unparalleled in the annals of history. The war of Revolution was fought for less cause, when the whole population of the country numbered less than the dairy farmers directly affected by this swindle now, while ten times the population of the whole country then suffers as consumers.

The digestibility of cheese depends a good deal, according to Klenze, on its physical properties. All fat cheeses are dissolved or digested with great rapidity, because the molecules of casein are separated only by the fat, and so the insolvent juice can attack a large surface of the cheese at one time. Whether the cheese be hard or soft does not appear to matter, and there is no connection between the digestibility and the percentage of water present in the cheese. The degree of ripeness and the amount of fat have however considerable influence, for both these conditions render the cheese more friable, and so allow of intimate contact of the juice. Cheddar took the shortest time to digest (four hours), whilst unripe Swiss cheese required ten hours for solution.

See Stock Notes, page 158.