

**THE WATERDOWN REVIEW**

Issued Every Thursday morning from the office, Dundas Street, Waterdown  
**G. H. GREHNE**  
 Editor and Publisher  
 Member C. W. N. A.

**THE HORSE AS A MOTOR**

**Old Dobbin Something More Than a Mere Machine.**

**He Is Largely a Self-feeder — Does Not Rust When Resting — Has Horse Sense — Keep an Annual Inventory—How to Select the Breeding Ram.**

(Contributed by Ontario Department of Agriculture, Toronto.)

The horse is, and will continue to be, the principal farm motor for an indefinite period. There are approximately 1,500,000 horses in Canada, all of which are used as a source of motor power. One and a half million may not seem to be a large number, but if we were to place the horses in the Dominion head and tail in one long parade line, they would reach from Halifax to Vancouver. So there is some horse flesh left in Canada, notwithstanding statements to the contrary by people interested in the manufacture of mechanical motors.

**About the Farm Horse.**

The farm horse as a farm motor differs from the mechanical farm motor in that it is self feeding, self maintaining, self reproducing, and self controlling. These qualities give the horse a tremendous advantage over the mechanical devices used for field work on the farms and for haulage on the roads.

**The Horse Largely a Self Feeder.**

Self feeding means a lot. There is no carburetor on the horse; nor are spark plug required. Green grass, good clean hay and oats, the products of the fields in which the horse labors, produce the energy that keeps up the horse's body, and keeps him going as a motor while labor is being performed.

**The Animal Motor a Reliable One.**

Within the horse's body cavity there is a wonderful self maintaining motor. The heart, the lungs, and the digestive organs make an engine combination of great efficiency. This hidden motor made of flesh, blood and tissue keeps tight, and makes its own repairs. Furthermore, the horse motor develops pep, or places in reserve energizing substances that may be used on demand. The mechanical motor when at rest does not improve nor grow stronger as does the horse, but frequently wastes or rusts. The high cost of gasoline, oil and motor mechanic service, together with the too frequent neglect that is accorded tractors on many farms, has reacted to the advantage of the faithful horse.

**Old Dobbin Has Horse Sense.**

Old Dobbin is also possessed of horse sense. No mechanical motor yet devised has possessed this function. Fuel for the horse motor is grown on the farm, and all profits remain on the farm. There is no tax on it either.—Lionel Stevenson, Secretary Dept. of Agriculture, Toronto.

**Speedy Birds.**

The swallow is a strong flyer and is estimated to fly at at least 60 miles an hour. Relative to its size, the tiny humming bird has also great powers of flight, and is thought to go from 40 to 50 miles per hour. Of course absolute proof of the average rate of speed of any species is impossible to establish. Birds make long sustained flights in migrating; but it is reasonable to suppose that steady, rather than rapid passage is then desired; while bursts of speed would be characteristic of sudden flight in pursuing prey, or escaping an enemy.

If home-made lime-sulphur solution is to be used, make it now and store till needed.

Insects that eat the foliage must be kept in check by spraying, with a poison they will eat, like paris green or arsenate of lead.

**Preparing for Gardening.**

This month begins the active gardening work. Hot-beds should be made, and the seed of the early plants like cabbages, cauliflower, early celery, early beets, and the long season plants like tomatoes, egg plants and peppers should be started. Many of these seeds for small gardening work may be started inside which will relieve the necessity of making hot-beds until the first part of next month. Manure for top-dressing the ground may be hauled out the latter part of this month.

Put spraying machine into good condition, and test it. Keep plant aphids in check by using some tobacco preparation.

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