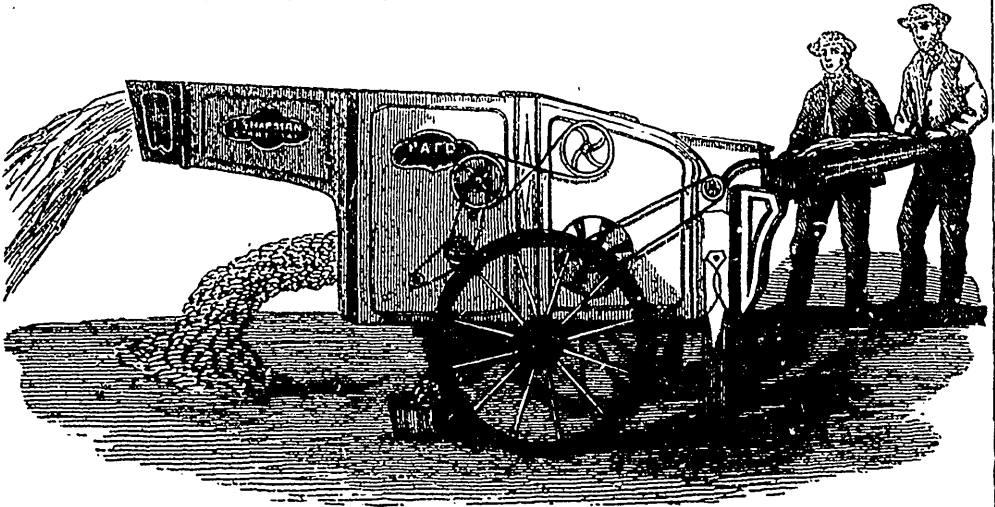


THE "LITTLE GIANT" THRESHER AND SEPARATOR.

*The Farm.*

The machine above represented supplies a want long felt by well-to-do farmers; enabling them as it does, to do their own threshing without the extra trouble and expense, incident to the employment of the larger machines that perambulate from farm to farm. The "Little Giant" is manufactured at Stratford, Ontario, by Mr. Joseph Sharman, one of our most intelligent and energetic farm-implement makers. A spontaneous mention of this machine in the *ONTARIO FARMER*, as having attracted our attention at the late Provincial Exhibition, sent the manufacturer some business, and led him wisely to advertise in our columns. To preserve a permanent record of it in our bound volume, we insert the cut and accompanying brief account of his useful invention in "The Farm" department of this journal. The "Little Giant" gives much satisfaction to those who have had in use. It will thresh from 200 to 300 bushels of wheat, or 400 to 500 bushels of oats per day, and delivers the grain in very clean condition, remarkably free from straw and chaff. The machine is of simple construction, having no canvas elevators, or sieves, and is easily managed by any person of ordinary capacity. It can be worked with four or six horses, takes up but little room on the barn floor, and is easily moved about, being provided with wheels. The price of the Thresher and Separator alone is \$160 cash, or \$105 on

credit. With horse-power in addition, the cost is \$180 cash, or 185 on credit. For further particulars, we refer our readers to the manufacturer.

EXPERIMENTS IN CROSSING WHEAT.

To the Editor of the ONTARIO FARMER.

SIR,—The crossing of different varieties of wheat is a subject that has occupied my mind for a number of years, and the practicability of the operation I have fully demonstrated, and shall, therefore, say nothing upon this point at present. But the utility of crossing wheat is of such vital importance to the agriculture of this continent that a little discussion about it with the readers of the *ONTARIO FARMER*, cannot, one would suppose, be otherwise than beneficial. That our cereals and vegetables have a tendency to degenerate and become subject to disease by long cultivation, but few persons of experience will, I think, deny. To these few, if such there be, I would merely put one question, viz.: Where are the different varieties of wheat and potatoes cultivated thirty or forty years ago, that were so remarkably healthy and productive at that time? But the cause of this degeneracy, disease, and the liability to the attacks of certain insects, are points upon which many intelligent persons will, perhaps, differ in opinion and feeling, that it is of vast importance that those who have charge of the agricultural departments of this country should thoroughly investigate this matter. I