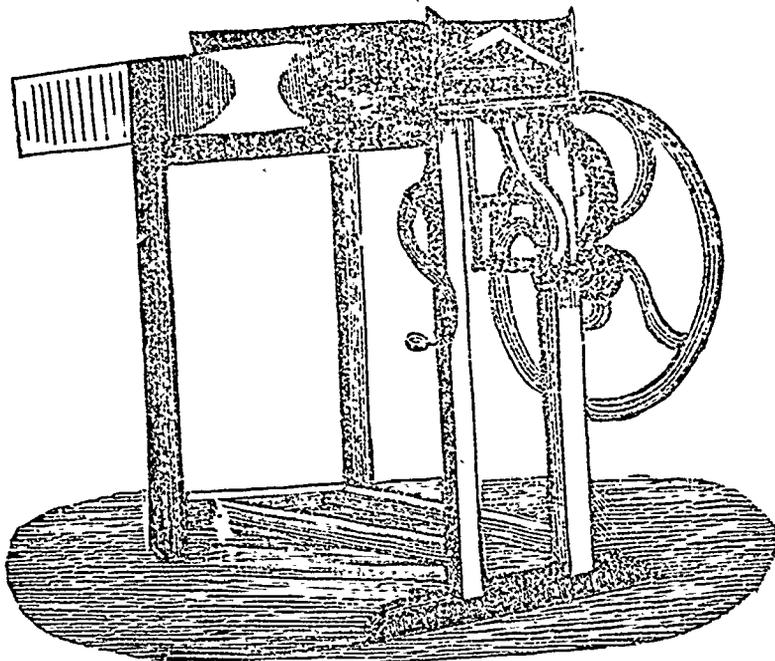


to hold water the bottom should be bedded with six or eight inches of clay well beat down and covered with gravel or sand. This last labor is seldom required except where the ground is very porous. My yards are constructed on a small loam, resting on a clay subsoil. Here should be annually deposited as they can be conveniently collected, the weeds, coarse grass and brakes of the farm; and also the pumpkin vines and potatoe tops. The quantity of these upon a farm is very great, and are collected and brought to the yard with little trouble by teams returning from the fields. And here also should be fed out or strewed as litter, the hay, stalks and husks of Indian corn, pea and bean haulm, and the straw of grain not wanted in stables. To still farther augment the mass, leached ashes and swamp earth may be added to advantage. These materials will absorb the liquid of the yard, and, becoming incorporated with the excrementi-

tious matter, double or treble the ordinary quantity of manure. During the continuance of frost the excavation gives no inconvenience, and when the weather is soft the borders afford ample room for the cattle. In this way the urine is saved and the waste incident to rains, &c., prevented. The cattle should be kept constantly yarded in winter, except when let out to water, and the yard frequently replenished with dry litter. Upon this plan from ten to twelve loads of unfermented manure may be obtained every spring for each animal; and if the stable manure is spread over the yard, the quality of the dung will be improved and the quantity proportionably increased. Any excess of liquid that may remain after the dung is removed in the spring can be profitably applied to grass, grain or garden crops. It is used extensively in Flanders and in other parts of Europe.—*Buel.*



RICH'S PATENT STRAW CUTTER.

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N. B.—The Machines may be purchased at the manufactory, nearly opposite Macdonald's Hotel, King Street, West. Price £3 10s., each. Toronto, November 7, 1845.