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A. D. 1849.—(CANADA.)—No. 264.

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*An improved Straw Cutter.*

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LETTERS PATENT to Richard Tremain, Township of Clark, Newcastle District, Engineer, for the Invention of "AN IMPROVED STRAW CUTTER."

Montreal, dated 24th September, 1849.

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BRIEF DESCRIPTION.

The frame has two bents, and is supported at the bottom by means of a tie, and at the top by a box made of boards six feet long and ten inches wide, which contains the straw; the posts of the frame are three feet and four inches long, three inches square; the beams and ties are three inches square, the frame is supported by two iron braces, the wheel is four feet in diameter, weighing one hundred pounds, the knife eighteen inches long and five inches wide, in the form of a scythe, which is confined to the wheel by means of screws and nuts, so as to be removed when required for the purpose of sharpening or regulating. At the mouth of the box which contains the straw, and as the wheel moves round, there is a rod connected with a lever which raises the gate to admit the straw, and another rod to lift the catch which moves the ratchet wheel, which is connected with the under roller on the right side and a spindle passing through the roller to the left side; to receive a cogwheel which moves the top roller, the straw is drawn forward by and between the two rollers according to the speed of the wheel; when the regulator is down the length of the cut straw will be three quarters of an inch, when up one hole will cut half an inch,