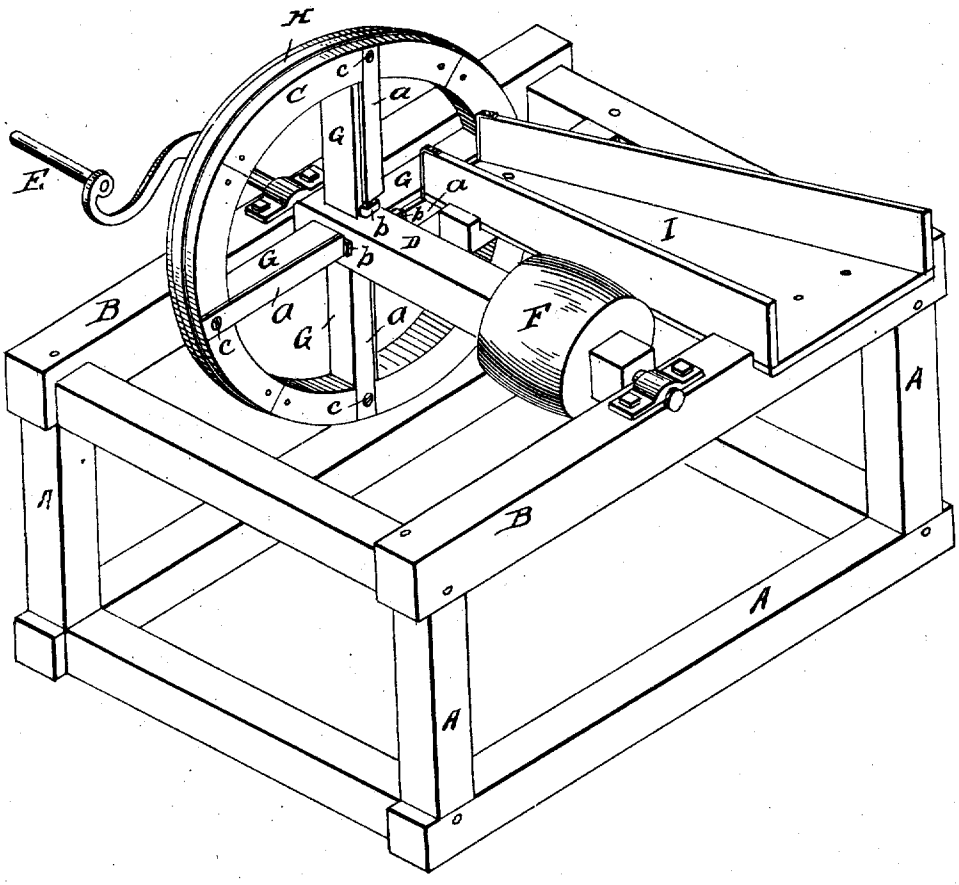
No Printed Specification Available

7825X W. MITCHELL.

STRAW CUTTER.

Patented Nov. 19, 1833.



7825X Nov 19 1833 24[illegible]

William Mitchell of Anderson District S Carolina
Letters Patent. Patented Nov. 19th 1833.

The Schedule referred to in these Letters Patent, and making part of the same, containing a description in the words of the said William Mitchell himself of his improvement in the Straw cutter.

To all to whom these presents shall come: Be it known that I William Mitchell of Anderson District, in the State of South Carolina, have invented a new and useful improvement in Straw cutting; and that the following is a full and exact description of the construction and operation of . . . said machine as invented by me.

1st A frame five feet long by three feet broad and two & a half feet high from the lower to the upper surface. All the timbers of which should be four inches square except the upper side rails (see model No 1.42.) which should be six inches by four. —

2nd A Wheel of wood or cast iron three feet in diameter, with a cylinder three inches in diameter extending from one of the upper side rails of the frame to the other and turning on the same, to one end of which is attached the crank or handle and have the other end of the cylinder but within the frame is a pulley, by adding a band to which a horse power may be applied, conducting the machine at the same time to other machines. — By means of the crank, Horse power may be dispensed with and the hand alone used. — The arms for the wheel must be four in number, four inches by two, and running thro' the cylinder before mentioned, the size of which should be four inches square. The rim or fellies for the wheel must be three inches square, with a small band of hoop iron around it, if it is made of wood. — To the side of the wheel near the pulley are fastened four knives or blades each extending from the rim or fellies to the arms at equal distances, one end of the knife . . . to be fastened to the arm by a staple, and the other end fastened to the rim or fellies by a screw. — The knife

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to be of the common cutting knife, and let into the felloe its thickness on the back of the knife, its edge projecting a little out, one end of the knife extending to the outer surface of the wheel and the other end made somewhat after the form of a tenon to go into the felloe. on each ..... arm above the cylinder.

3d A Box or hopper eighteen ... inches in width and six in depth at one end and tapering so as to make a width of six inches and a depth of four inches at the other end. which is to be placed with that against which the blades are to act. The hopper extends in a horizontal position from the railing of the frame into which it is let in by a mortice to the wheel. The other end of the hopper resting on a cross piece or cylinder running parallel with the railing. If it is made of cast iron the wheel and cylinder should be all cast together. When used by hand two persons are required, when a horse is used one only is necessary.

Witnesses
Nathaniel Hughes
Samuel Oswald

William Mitchell

(624 words)

Received and Recorded anew, November. seventh 1837. —

Drawing Made