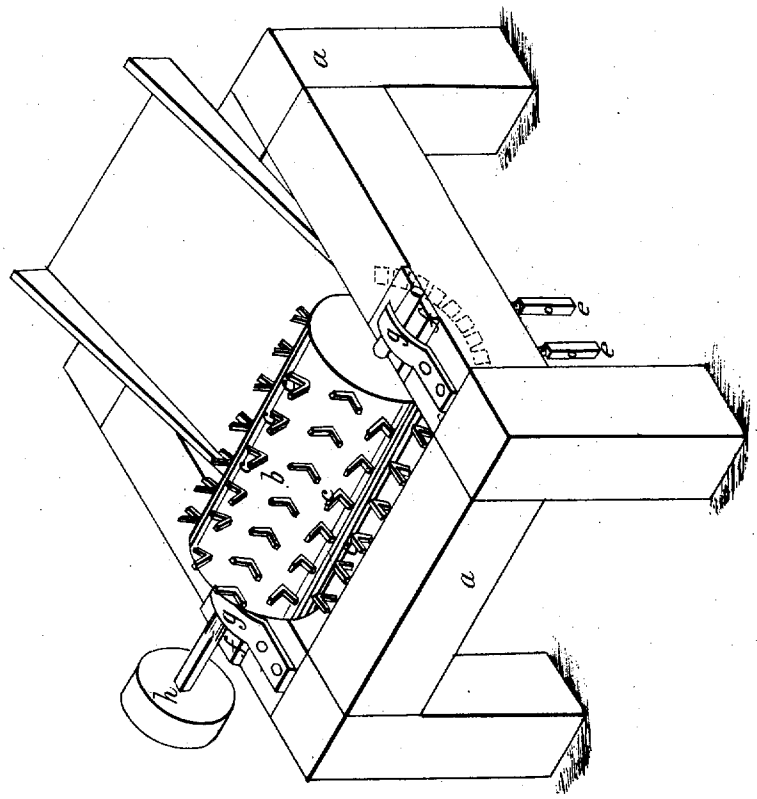
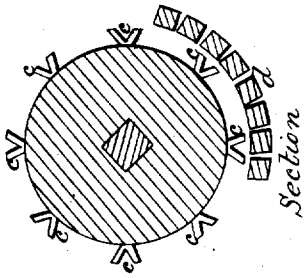
5805X

E. WARREN.

THRASHING MACHINE.

Patented Jan. 29, 1830.





Section



View of the rods forming the concave

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

X3805 Jan 29. 1830 449.

Edmund Warren

Jan 29, 1830

Letters Patent

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Edmund Warren himself of his Improvement in the ... Threshing Machine for Clean all kinds of grain and Seed.

This Machine is constructed by a frame of Wood or iron of a size to suit the power to be applied. but a size suitable to be drove by one Horse, is two feet wide, and about two feet eight inches long, and may be from two feet six inches, to two feet eight inches high. A cylinder of Iron wood about twenty four inches long, with spurs of iron about one inch long and five eighths of an inch in diameter or square & in rows about four inches apart. the spurs of one row coming in range of the spurs of the next, and so on interchangeably round the surface of the cylinder. The size of which should be proportioned to the velocity to be given. A twelve inch cylinder should be so geared as to give sixteen hundred revolutions in a minute. A concave is formed by round bars of iron about five eighths of an inch diameter, or square bars about the same size twisted forming a spiral surface these are stationed so as not to turn and are about eight in number, and one fourth of an inch from each other beginning within three inches of the top of the machine on which the cylinder is stationed and standing under a little passed the centre of the cylinder and near enough to suit the grain to be thrashed. the cylinder being governed by screws to raise or lower, and being suspended on roller boxes which are held down by springs an inclined box is placed on the back part of the machine, the forward part of which comes close to the first bar of the concave to conduct the grain or straw in under the cylinder. The shaft of the cylinder extends out on one side of the machine, on which a wheel is made fast to apply the band from a drum or wheel to put the machine in motion. The grain or straw passes between the surface of the spurs of the cylinder and the concave of bars.

What is claimed by this improvement is

No. X5805

The Spring arbor upon the gearing for Harvesters &c.

Edmund Warren

(462 Words)

(Patented January 29. 1830)