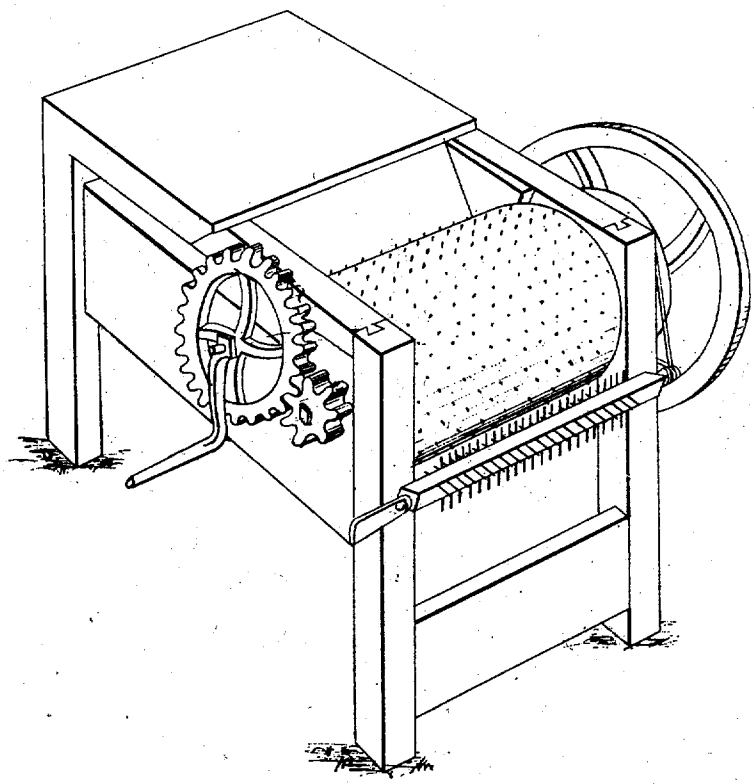
7682X

B. Hinkley,

Threshing Mach.

Patented July 23. 1833.



7/23/1833 7682X

July 23 1833 [illegible]

Benjamin Hinckley

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 Benjamin Hinckley himself of his improvement in the Threshing Machine.

This machine is intended to be operated by hand or horse power, and the size and dimensions will vary according to its being operated in the one or the other. The dimensions suitable for hand power are posts three feet high. three inches square, rails for ends are 18 inches long one foot wide & two inches thick. the side rails are three feet long. one foot wide and two inches thick. the front end rail is notched to within three inches of the bottom of the posts. the back end rail is raised to within three inches of the top. the side rails and the frame is put together with mortises & tenons, and in putting the frame together the side rails must be framed in even with the inside of the posts. these rails are represented on the drawing referred to in this description and making a part of the same, are marked C.C. the posts are marked g.g.g. Fig A of the drawing represents the large cylinder fitted with rows of teeth in mortises projecting about a fourth of an inch in diameter. and must be in right of the teeth in the rows are within half an inch of each other. Fig C. of the drawing represents a spur wheel four inches in diameter on one end of the cylinder, on the opposite end of the cylinder is a flat wheel secured by a round head of diameter fifteen inches, and on the same end is a balance wheel to regulate the motion three feet in diameter. Fig B represents the balance wheel and fig. C. the spur wheel. Under the cylinder and fitted to work with it is a sheet iron grate apron. First of plain sheet three pieces of and one inch about four inches wide laying upon wooden springs. The grate is of thick sheet iron punched full of round holes and attached to the wooden bed pieces by inserting the upper edges to the upper parts of the bed pieces. At the upper edge of the bed pieces is a piece of sheet iron with three teeth plate in, projecting the length of the teeth. Fig D represents a large cog wheel which [illegible] above, which marks with the number C. the machine

7682 X

from the drum thro the smaller cylinder two inches in diameter & the length of the larger cylinder. and at the end of this shaft is affixed the crank or winch as exhibited by the drawing. Fig D represents the comb or cleaner which is made of a piece of wood two inches square, two feet long. in this are placed teeth or pins drawn thro the cavities & projecting about one inch. a small iron gudgeon in each end. on one end of which is a small wheel two inches in diameter, which receiving the band D from the spur wheel. The comb is placed by two arms, Fig 1 as near the two cylinders as can be without cutting. Fig ff. represents two steels let into the top of the posts. Fig E is a flooring on which to lay the grain. Fig H is an apron fastening in an angle of about sixty five degrees and receives the grain which is carried in by the teeth.

What I claim as new and of my own invention is the grates apron acting on springs and applied to the cylinder in the manner described. The form and disposition of the teeth in the cylinder. the comb or cleaner to throw off the straw

Benjamin Brinkley

Witness
John Otis
John P Ragg

(To be published)

658 words