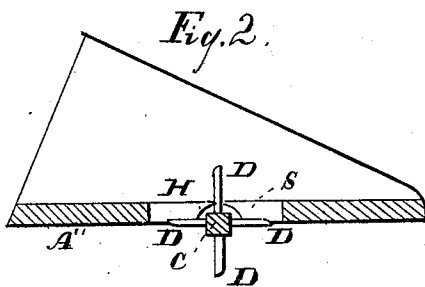
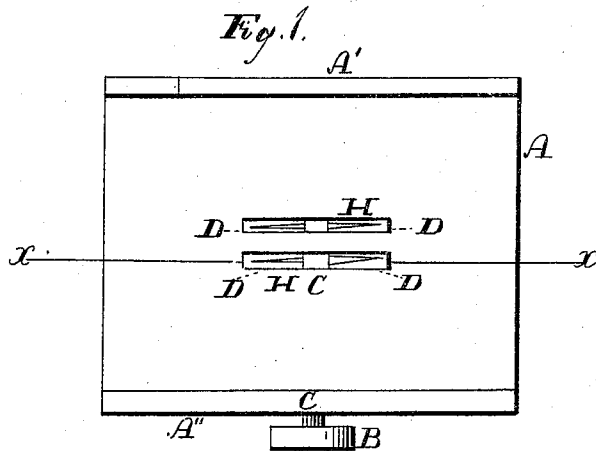


S. CARTMEL.

Band Cutter.

Patented July 6, 1869.

No. 92,162.



Witnesses;
J. B. Richards
J. B. Harsh

Inventor;
S. Cartmel
for W. B. Richards Atty

United States Patent Office.

SANFORD CARTMEL, OF HENRY, ILLINOIS.

Letters Patent No. 92,162, dated July 6, 1869.

IMPROVEMENT IN BAND-CUTTERS FOR THRESHING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, SANFORD CARTMEL, of Henry, Illinois, have invented certain new and useful Improvements in "Band-Cutter for Threshing-Machines;" and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a portion of this specification, in which—

Figure 1 is a top plan or view of my invention, attached to the ordinary chute to a threshing-machine.

Figure 2 is a vertical sectional view on the line $x x$, fig. 1.

Similar letters of reference indicate corresponding parts in both figures.

This invention has for its object to furnish a device for cutting the bands of gavels as they pass into the cylinder of the threshing-machine, and so arranging and situating the cutter that it may not be liable to become entangled with the straw.

The invention consists in a shaft arranged transversely with and below the chute, and carrying on its sides projecting knives or cutters, extending up through the chute, so that in revolving they will cut the bands, and at the same time the shaft be so situated as to not be liable to entanglement with the straw.

To enable others to understand the construction and operation of my invention, I will proceed to describe it with reference to the drawings.

Letter A represents the ordinary chute of a threshing-machine—top view at fig. 1, and vertical sectional view at fig. 2.

Letter C is a shaft, transversely with, and carried in suitable bearings on the under side of chute A.

B is a pulley on the end of shaft C, to which motion is transmitted from the cylinder, by means of a belt.

H H represent slots in the bottom of the chute A.

D D represent knives or cutters, attached at one end to the shaft C, and projecting upwards through the slots H H, as the shaft C is rotated.

The manner of operating my invention is deemed obvious from the drawings.

The pulley B being rotated by the belt from the cylinder of the machine, the knives D will cut the bands of all gavels passing over them. At the same time the shaft C, being situated below the chute, cannot, in any case, become entangled in the grain or straw.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The shaft C, with knives D, when arranged transversely with and below the chute A, the knives D operating through the slots H H, substantially as described, and for the purpose set forth.

Signed, at Galesburg, Illinois, this 16th day of March, 1869.

SANFORD CARTMEL.

Witnesses:

P. R. RICHARDS,

J. B. HARSH.