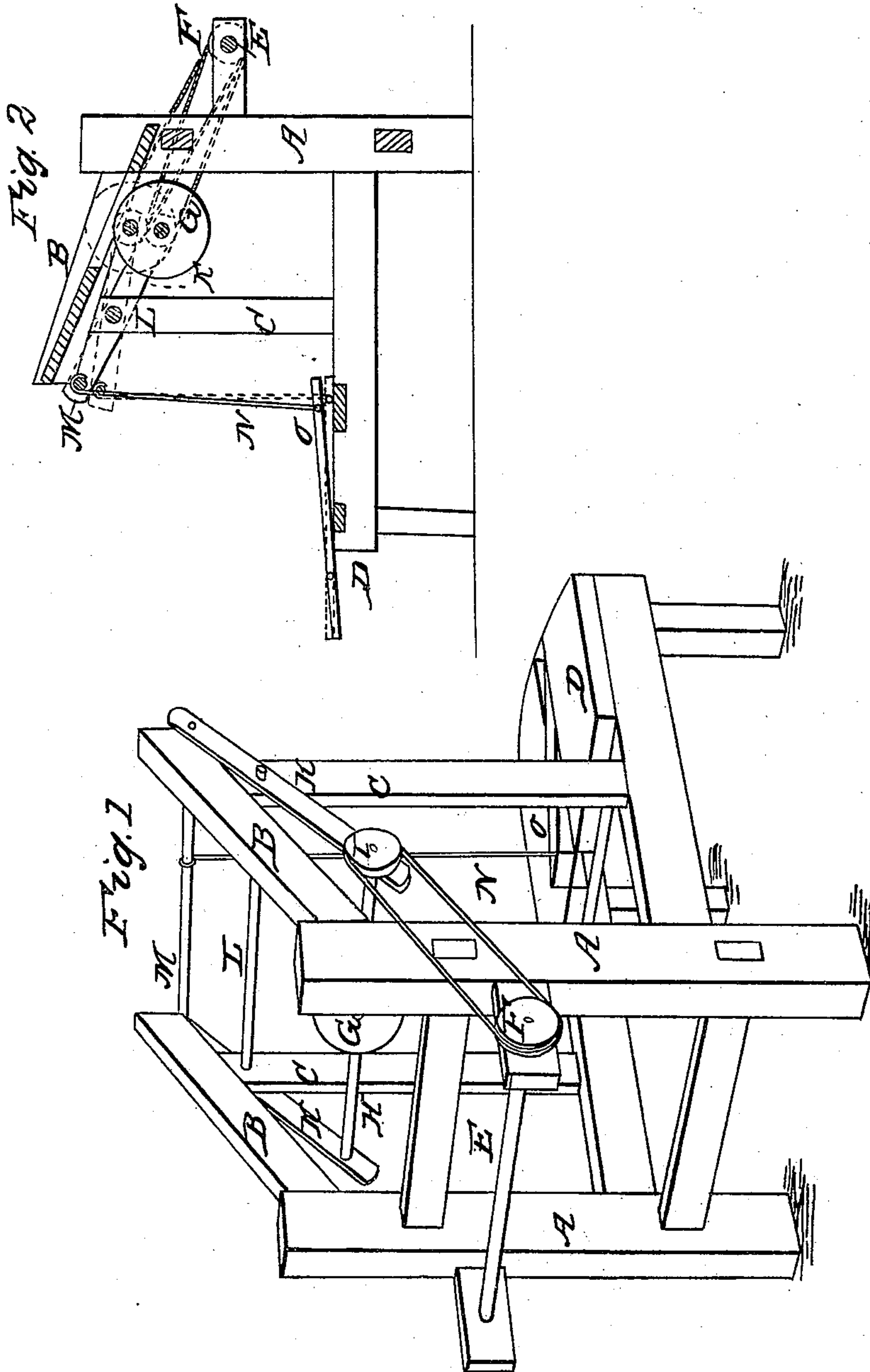


H. BARBER.

Band Cutter for Thrashing Machines.

No. 38,647.

Patented May 26, 1863.



Witnesses  
E. C. Loring  
Chas. H. Smith

Inventor  
Hiram Barber

# UNITED STATES PATENT OFFICE.

HIRAM BARBER, OF JUNEAU, WISCONSIN.

## IMPROVED BAND-CUTTER FOR THRASHING-MACHINES.

Specification forming part of Letters Patent No. 38,647, dated May 26, 1863.

*To all whom it may concern:*

Be it known that I, HIRAM BARBER, of Juneau, in the county of Dodge and State of Wisconsin, have invented a new and Improved Band-Cutter to be Attached to a Thrashing-Machine; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters marked thereon—

Figure 1 of these drawings being a perspective view of the front part of a thrashing-machine with my improvement attached thereto, and Fig. 2 a vertical longitudinal section thereof with certain parts shown in different position by different colored lines.

In each of these figures where like parts are shown like marks and letters are used to indicate the parts.

A A represent the front parts of a thrashing-machine; B B, the side pieces of the apron on which the machine is fed. (The apron in the drawings is removed.) C C represent the braces supporting the apron; D, the platform on which the feeder stands; E, the main cylinder-shaft; F, a pulley on the end of the shaft; G, the band-cutter; H, the arbor for the same; I, the pulley on the end of the arbor, banded to the pulley F; K K, the arms or side levers, in the ends of which the arbor H runs, pivoted on the rod L, passing through the braces C C, connected at their upper end by the rod M, which is connected by the rod N with the treadle O in the platform D, by which the cutter G is raised or lowered through a slot in the apron by the feeder at his pleasure.

My invention consists in placing a cutter on an arbor lying horizontal underneath the apron

on which the machine is fed, with a pulley on the end of the arbor banded to a pulley on the cylinder-shaft from which to derive its motion, with a slot in the apron through which the cutter is raised and cuts the band as the bundle is being fed to the machine. To secure its efficiency and safety in feeding over it, it is placed in adjustable levers, so that it can be raised above the surface of the apron or dropped below it at the will of the feeder.

The cutter may be a disk with a cutting-edge; or it may be a system of knives so arranged as to revolve in the same vertical plane. The treadle is in the center of the platform, pivoted at the outer end, connected at the other by a rod with the cross-bar connecting the upper ends of the levers, so that if the grain be fed from either side of the machine, one foot of the feeder can be placed upon the treadle to operate the cutter at pleasure.

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

The placing the band-cutter on an arbor underneath the apron on which the machine is fed, working in a slot in it, revolved by a band from a pulley on the cylinder-shaft, the arbor running in adjustable levers connected with the treadle O by the rods M and N, or by other equivalent mechanical devices whereby the feeder can raise or lower the cutter at his pleasure, arranged substantially as and for the purposes specified.

HIRAM BARBER.

Witnesses:

E. C. LEWIS,

CHAS. BILLINGHURST.