

WILLIAM H. BASSETT.

Improvement in Thrashing and Separating Machines.

No. 128,006.

Patented June 18, 1872.

Fig. 1.

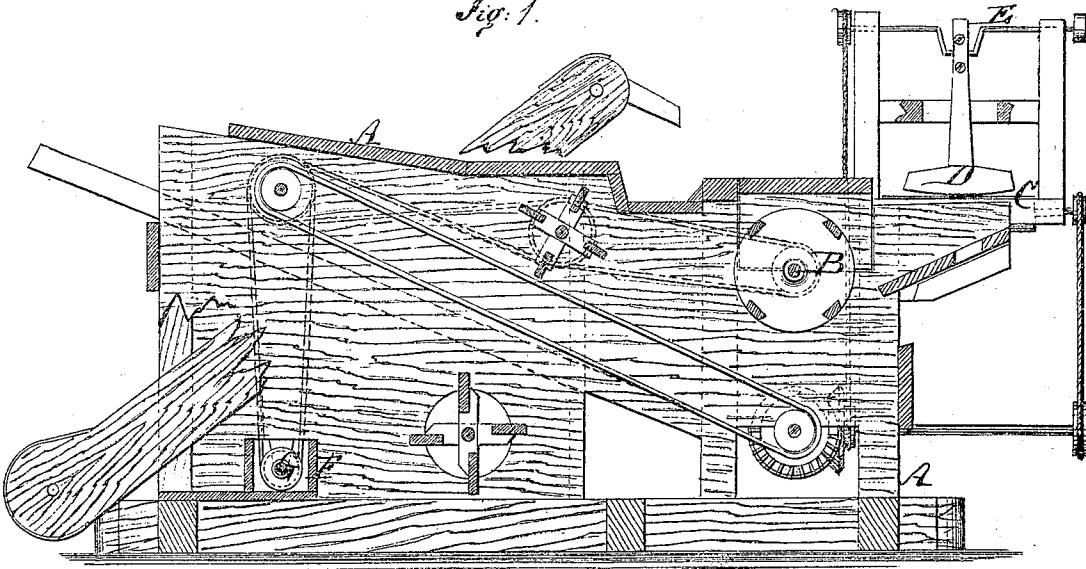
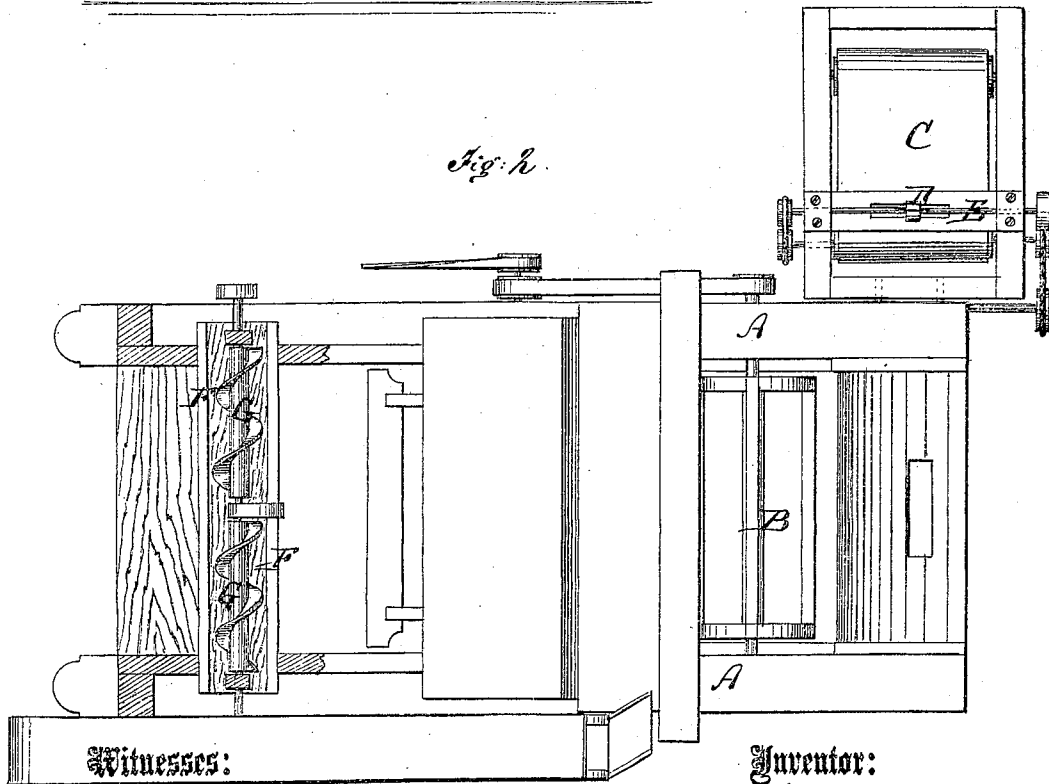


Fig. 2.



Witnesses:

Chas. Nida.
Geo W. Maboe

Inventor:

W. H. Bassett

PER

Mumford

Attorneys.

UNITED STATES PATENT OFFICE.

WILLIAM H. BASSETT, OF BURLINGTON, KANSAS.

IMPROVEMENT IN THRASHING AND SEPARATING MACHINES.

Specification forming part of Letters Patent No. 128,006, dated June 18, 1872.

Specification describing a new and useful Improvement in Thrashing-Machines and Grain-Separators, invented by WILLIAM H. BASSETT, of Burlington, in the county of Coffee and State of Kansas.

Figure 1 represents a sectional side view of my invention. Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new self-feeding and band-cutting attachment to thrashing-machines, and to a new arrangement of discharge-screw for the separator, with the object of saving help in the operation of such machine.

A in the drawing represents the frame of a thrashing-machine. B is the thrashing-cylinder of suitable construction. C is a feed-belt for conveying the sheaves of grain to the thrashing-cylinder. This belt can be applied to either side of the frame A. D is a reciprocating knife, suspended above the feed-belt C from a crank-shaft, and made to move up and down during the motion of the belt. This knife D serves to cut the bands of the sheaves of grain that are conveyed to the thrashing-machine. Motion is imparted to the crank-shaft E by a suitable belt from the driving

mechanism. The grain, after having passed the thrashing-machine and grain-separator, is finally discharged into a transverse trough, F, in which there are two screws, G G, as in Fig. 2. When these two screws are both turned in the same direction they will both serve to discharge the grain at one end of the trough. But when the thrashing-machine operates with great rapidity, so that one person cannot attend to all the grain that is discharged from it, the screws G G are revolved in opposite directions and separate the stream of grain, discharging equal quantities at both ends of the trough.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The reciprocating band-cutter D, arranged above and in combination with the feed-belt C, as set forth.

2. The two discharge-screws G G, arranged within the discharge-trough F, as specified.

WILLIAM H. BASSETT.

Witnesses:

ORLANDO WALKING,
JAMES REDMOND.