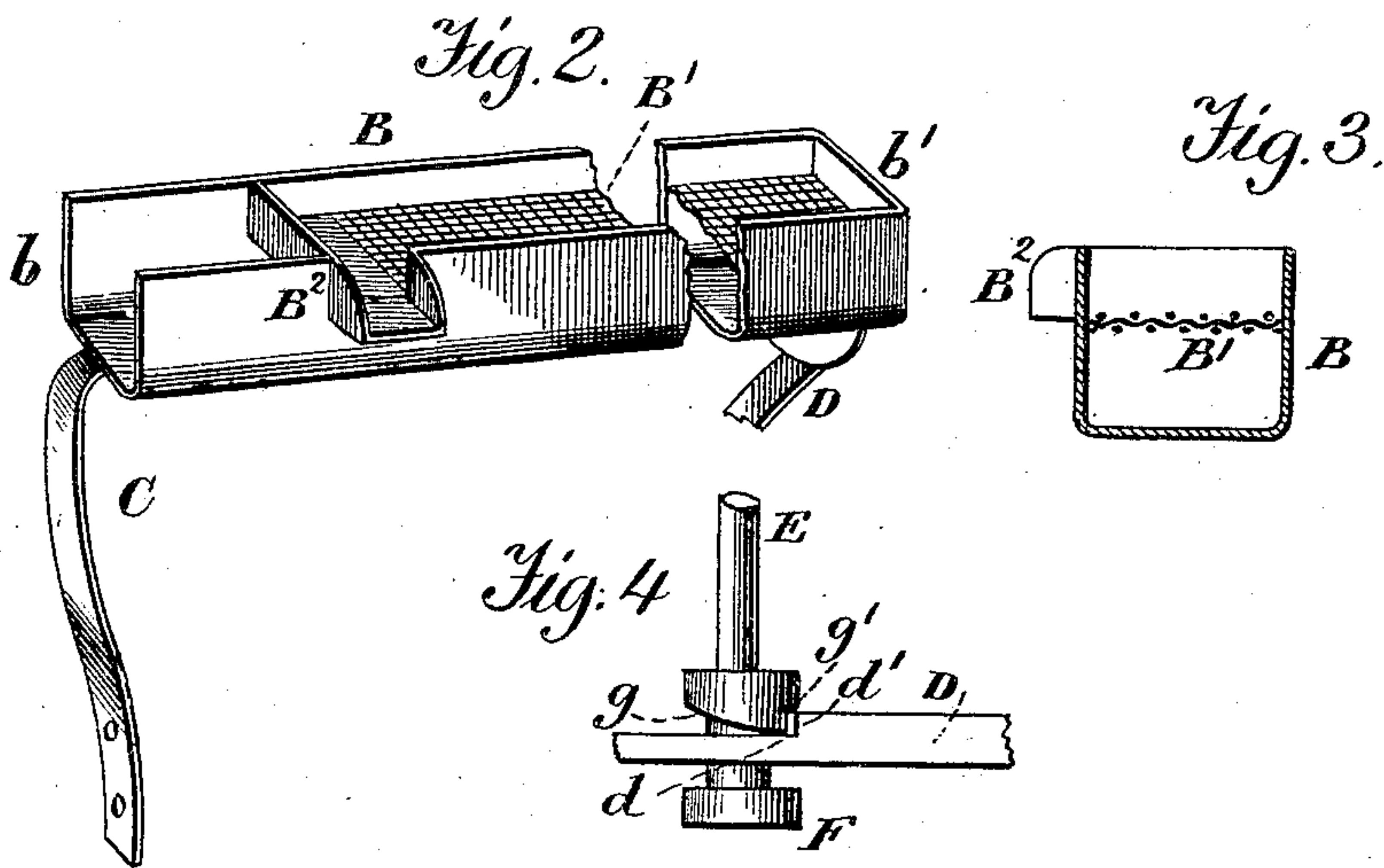
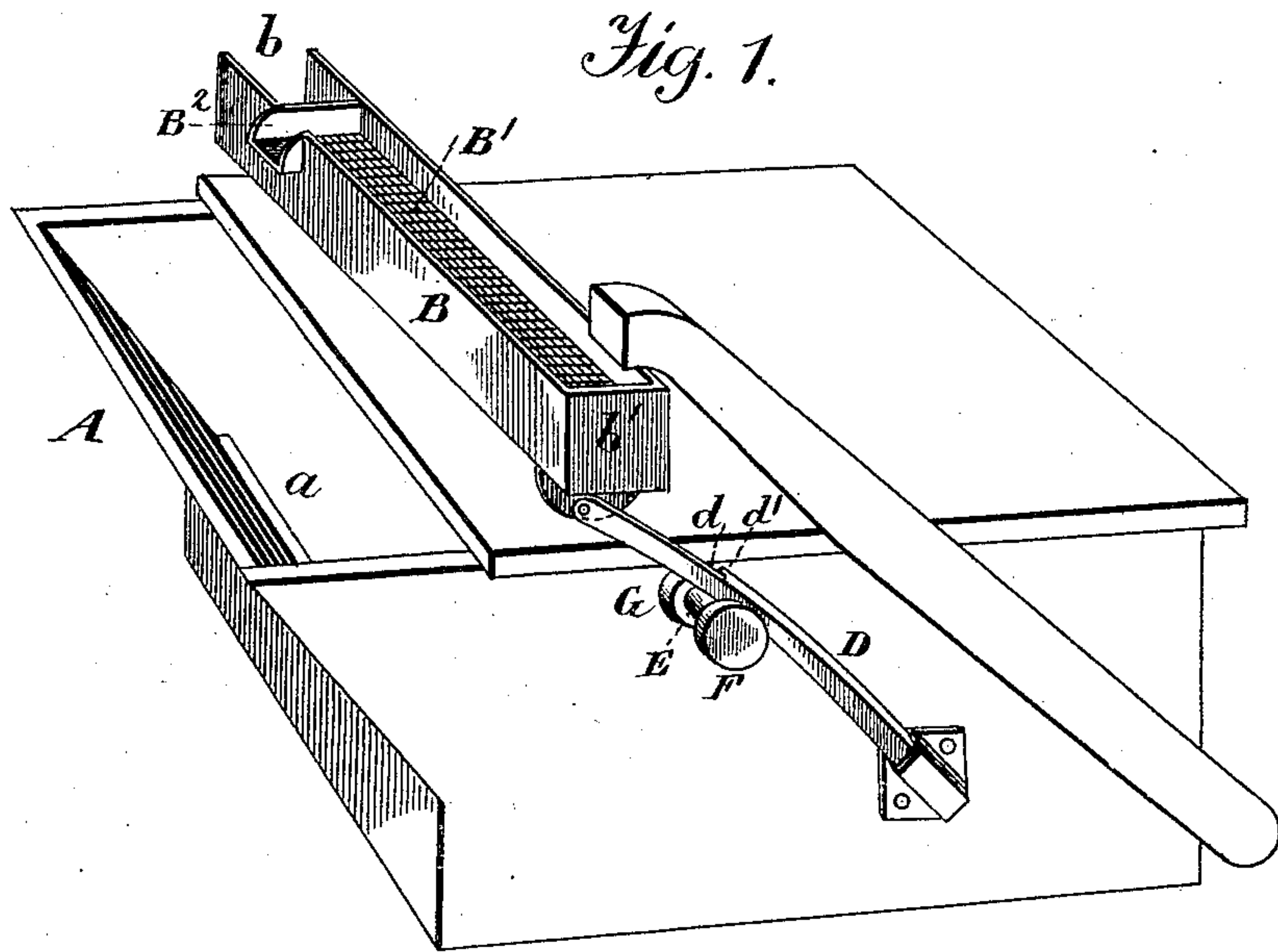


(No Model.)

H. L. WINDLER.
SIEVE ATTACHMENT FOR THRASHERS.

No. 444,129.

Patented Jan. 6, 1891.



Witnesses
A. Ruppert,
G. B. Towler.

Inventor
Henry L. Windler
By his Attorney Thomas P. Simpson

UNITED STATES PATENT OFFICE.

HENRY L. WINDLER, OF WAVERLY, MISSOURI, ASSIGNOR OF ONE-HALF TO
AUGUST RASA, OF SAME PLACE.

SIEVE ATTACHMENT FOR THRASHERS.

SPECIFICATION forming part of Letters Patent No. 444,129, dated January 6, 1891.

Application filed October 18, 1890. Serial No. 368,570. (No model.)

To all whom it may concern:

Be it known that I, HENRY L. WINDLER, a citizen of the United States, residing at Waverly, in the county of Lafayette and State of Missouri, have invented certain new and useful Improvements in Sieve Attachments for Thrashers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The special object of the invention is to make a sieve attachment for thrashing-machines, to which the thrashed grain may be brought by an elevator and separated from the cheat and other small seeds, the tailings passing again through the thrasher.

Figure 1 of the drawings is a perspective view of the mouth-box of a thrasher with my attachment applied; Fig. 2, a perspective view of the sieve-trough with the supporting-springs at the ends; Fig. 3, a cross-section of said trough; and Fig. 4 a detail view of the shaft with the pulley and cam thereon.

In the drawings, A represents the mouth-box of a thrasher. Just back of the mouth *a* I suspend the trough B upon the two end springs C D, which are secured at their lower ends to the opposite sides of the box in any suitable way. The spring C is fastened at its upper end to the open end *b* of the trough, through which passes the cheat and other small grain into some receptacle arranged to receive them. The spring D is placed diagonally to the end *b'* of the trough, so as to

rest near its middle upon the shaft E, which carries at one end the pulley F, by which it is rotated, and at some distance therefrom the cam G. On the spring D is a side notch *d*, which receives the shoulder *g* of the cam, while the shoulder *d'* of the spring drops into a corresponding notch *g'* of the cam. By this means as the shaft E is revolved the spring D moves in and out, so as to give a longitudinal shaking motion to the trough.

The trough B is divided horizontally by a wire-mesh sieve B' about half-way between the top and bottom, and through this passes the cheat and other small grain to the bottom of the trough.

Having thus described all that is necessary to a full understanding of my invention, what I claim as new, and desire to protect by Letters Patent, is—

The combination, with a thrasher-mouth box, of the trough B, having the interior sieve B' and side spout B², the supporting-spring C at the open end *b* of said trough, the spring D at the closed end *b'*, and the shaft E, carrying the cam G and pulley F, the said spring D being arranged diagonally to rest on said shaft, notched at *d*, and shouldered at *d'*, as and for the purpose set forth.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

HENRY L. WINDLER.

Witnesses:

AUGUST RASA,
JOHN H. LEACH.