

W. H. WOOLARD.

FLOUR-BOLTS.

No. 182,142.

Patented Sept. 12, 1876.

Fig. 1.

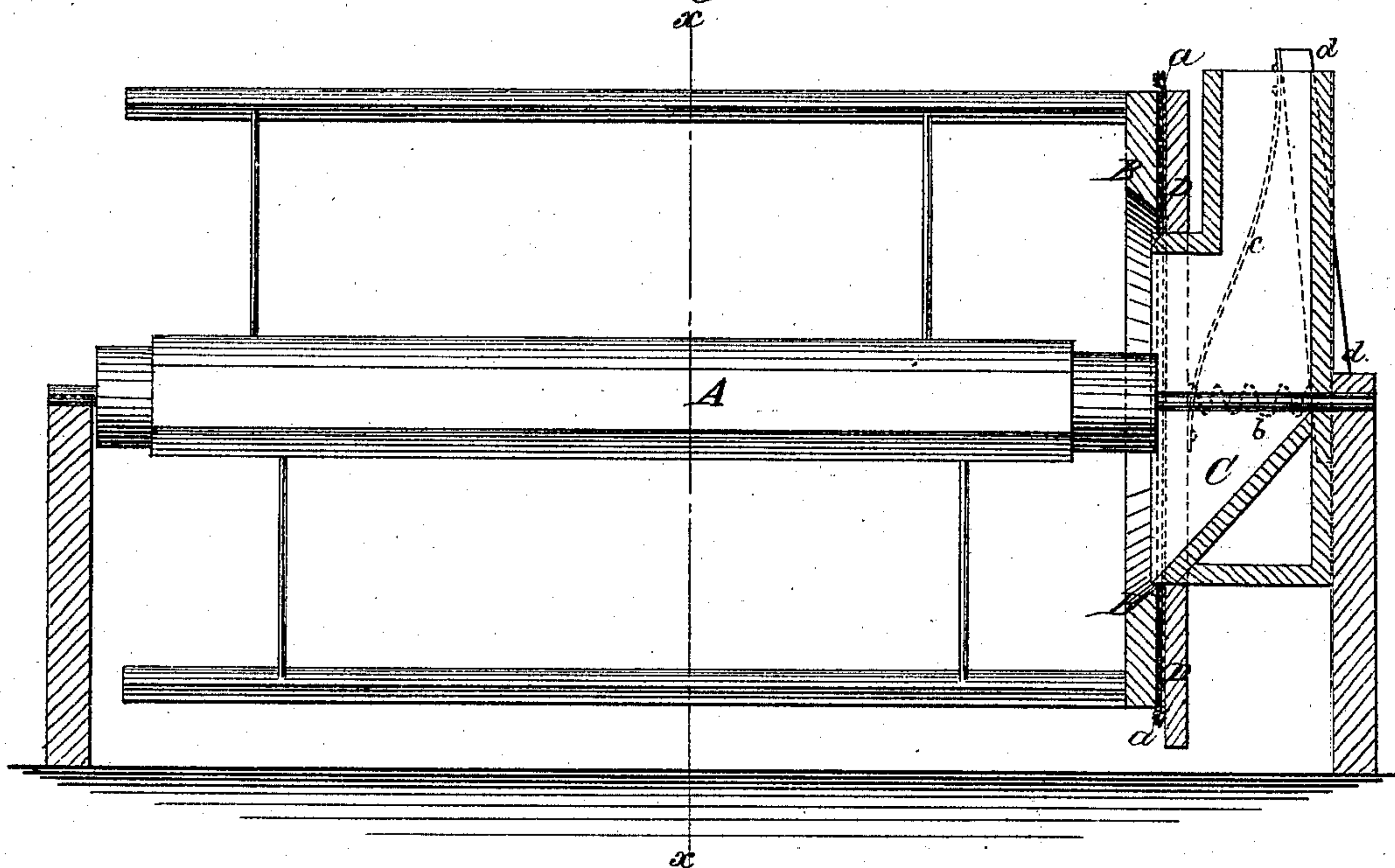
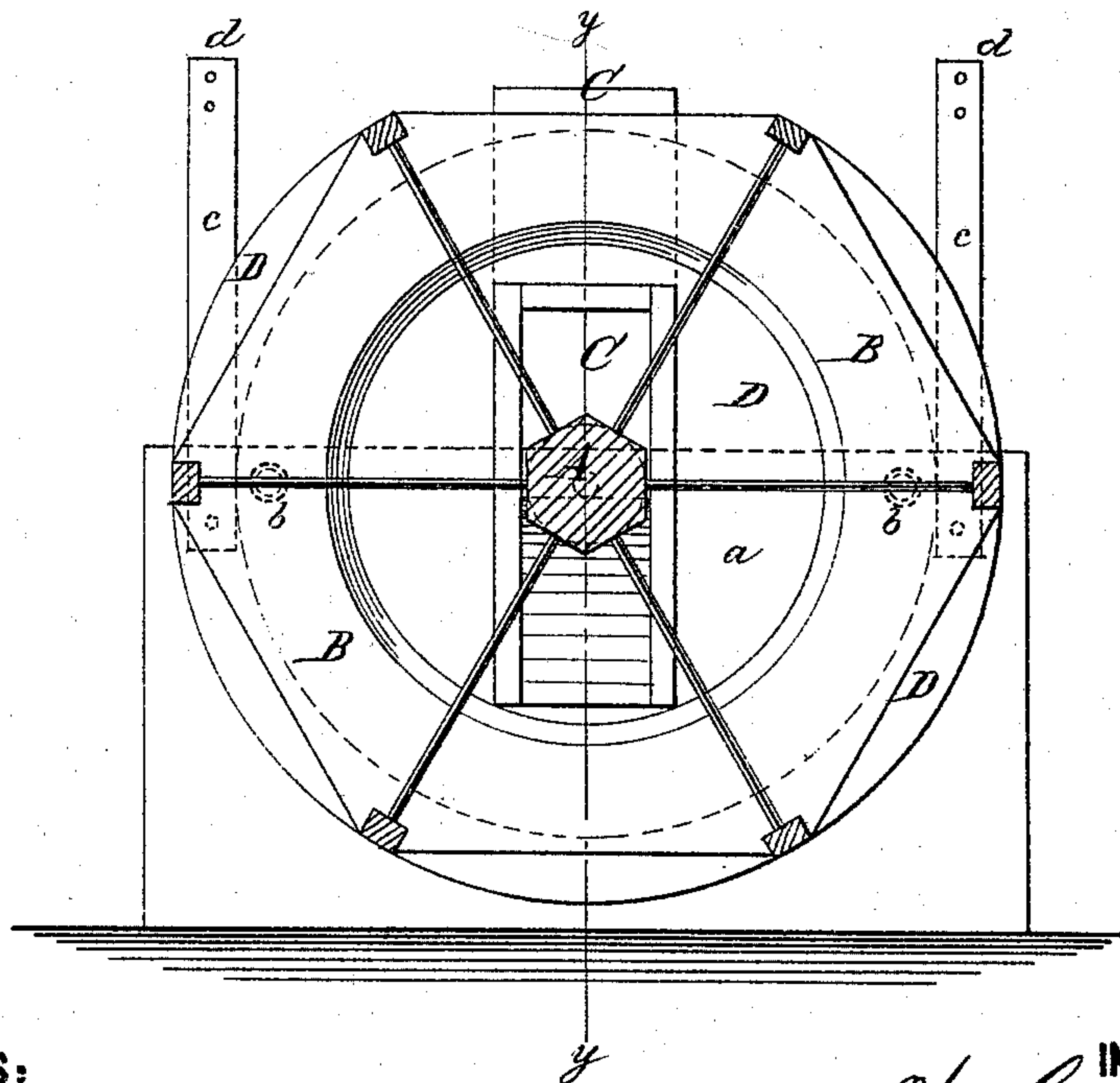


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. WOOLARD, OF WINDSOR, ILLINOIS.

IMPROVEMENT IN FLOUR-BOLTS.

Specification forming part of Letters Patent No. **182,142**, dated September 12, 1876; application filed July 11, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. WOOLARD, of Windsor, in the county of Shelby and State of Illinois, have invented a new and Improved Dustless Reel-Head for Flour-Bolts, of which the following is a specification:

Figure 1 is a longitudinal section on line *y y* in Fig. 2. Fig. 2 is a transverse section on line *x x* in Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention consists in providing a stationary auxiliary head, carrying a packing of sheep's pelt having the wool on, which is forced against the rotating head of the bolt-reel by means of springs, and retained in place by leather straps, the object being to prevent the accumulation of dust on the bolt-head, and to prevent the escape of specks and flour-dust from the bolt, and also to do away with the device used in flour-bolt chests commonly known as "speck-boxes."

A is an ordinary flour-bolt reel, having the head B, which is open in the center to receive the flour-spout C. E is the auxiliary head,

which is fitted over the spout C, and carries a packing, *a*, of sheep's pelt, the wool side of which presses against the head B. Two spiral springs, *b*, are attached to the frame which supports the bolt, and bear against the head D. Straps *c*, of leather or other suitable material, are fastened to the posts *d*, and also to the head D. The springs *b* and straps *c* support the head D in such a way that it adapts itself to the position of the bolt-head B as the bolt is raised or lowered.

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

1. In combination with a flour-bolt, an auxiliary head, provided with a packing of wool or other similar material, and retained in place by suitable springs, substantially as shown and described.

2. The combination of the reel A, head D, packing *a*, springs *b*, straps *c*, and standards *d*, as shown and described.

WILLIAM H. WOOLARD.

Witnesses:

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