

THOMAS G. MORGAN.
Improvement in Flour Bolts.

No. 119,783.

Patented Oct. 10, 1871.

Fig. 2.

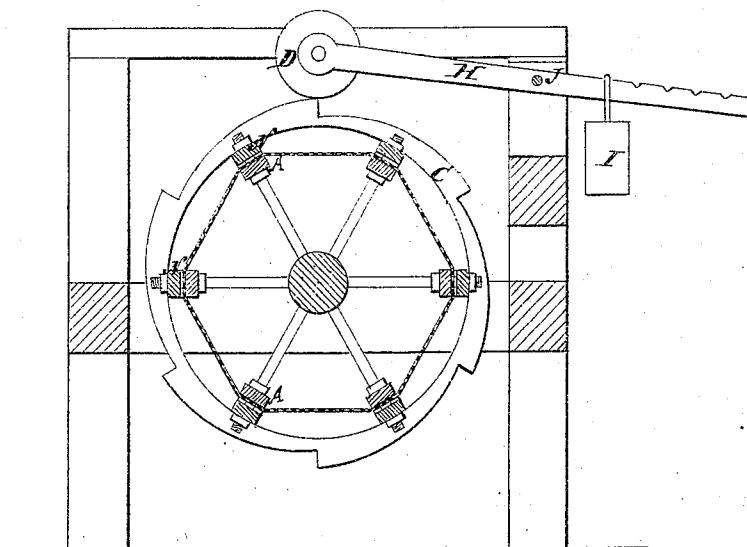


Fig. 1.

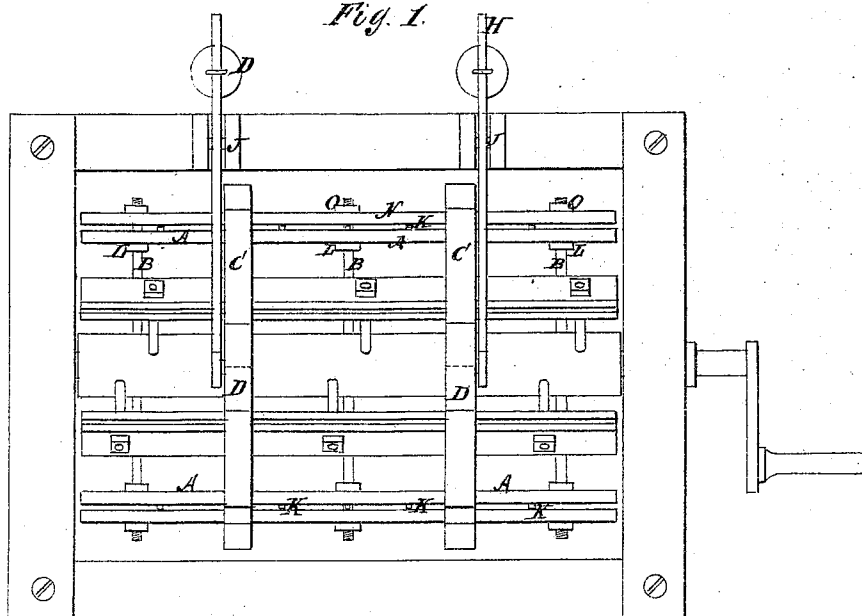
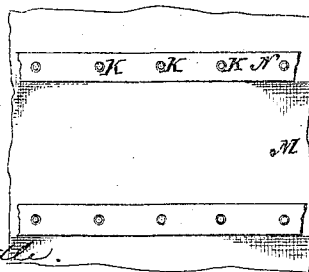


Fig. 3.



Witnesses:

E. Wolff.
Francis McQuade.

Inventor:

Thos. G. Morgan.

PER

Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

THOMAS G. MORGAN, OF MURFREESBOROUGH, TENNESSEE.

IMPROVEMENT IN FLOUR-BOLTS.

Specification forming part of Letters Patent No. 119,783, dated October 10, 1871.

To all whom it may concern:

Be it known that I, THOMAS G. MORGAN, of Murfreesborough, in the county of Rutherford and State of Tennessee, have invented a new and useful Improvement in Flour-Bolts; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in the improvement of flour-bolts, as hereinafter fully described and subsequently pointed out in the claim.

Figure 1 is a plan view of a reel constructed according to my improvements. Fig. 2 is a transverse sectional elevation. Fig. 3 is a plan view of a section with the cloth applied.

Similar letters of reference indicate corresponding parts.

The ribs A of the reel have the cam-rims C attached midway between the arms B. The roller-knockers D are arranged to fall upon the cams and impart to them a slight downward motion, by springing the ribs so that their recoil will detach the meal from the cloth and the ribs in the most effectual manner. The roller-knockers D are mounted in the ends of levers H, pivoted to the frame at J, and having an adjustable weight,

I, to vary the force of the blows. K represents the pins, which I propose to provide in the ribs A for securing the cloth, as indicated in Fig. 3, by which the tacking is avoided, except on the rib where the two edges of the cloth meet. L represents the nuts on the arms B, by which the ribs are to be adjusted out or in radially for regulating the tension on the cloth M. N represents the clamping-strips, placed on the ribs A above the cloth to confine it, said ribs being held by nuts O screwing down on the arms B, and having holes for the pins H. The ribs will be made oval on the inside to facilitate the rolling of the meal down the cloth, which, being kept free by this arrangement of the knockers, will bolt it properly in this way without specking as much as when the meal is carried up by the ribs and let fall, and the cloth will not be worn as much as when so let fall.

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

In combination with cams C the revolving weight D arranged on end of the pivoted lever H, as and for the purpose specified.

THOMAS G. MORGAN.

Witnesses:

T. G. TUCKER,
JACKSON TODD.

(57)