

THOMAS A. WATSON.
Improvement in Mattress Stuffers.
No. 125,233. Patented April 2, 1872.

Fig. 1.

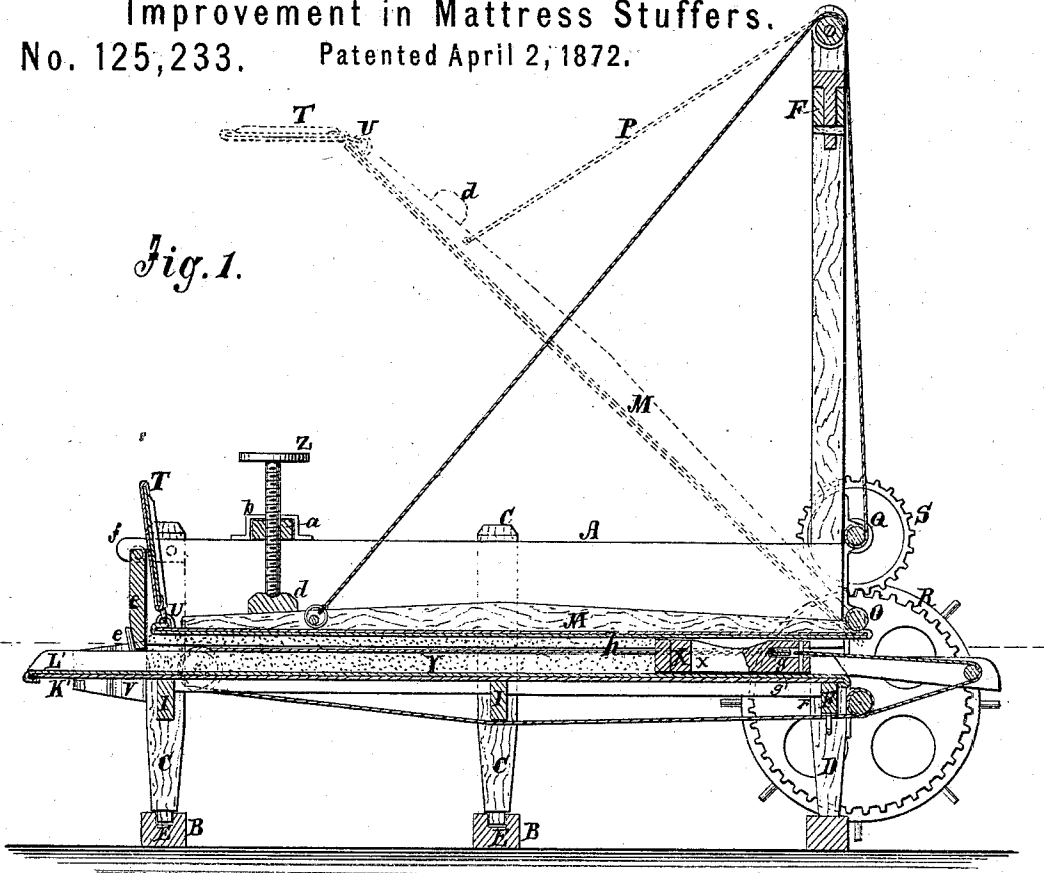
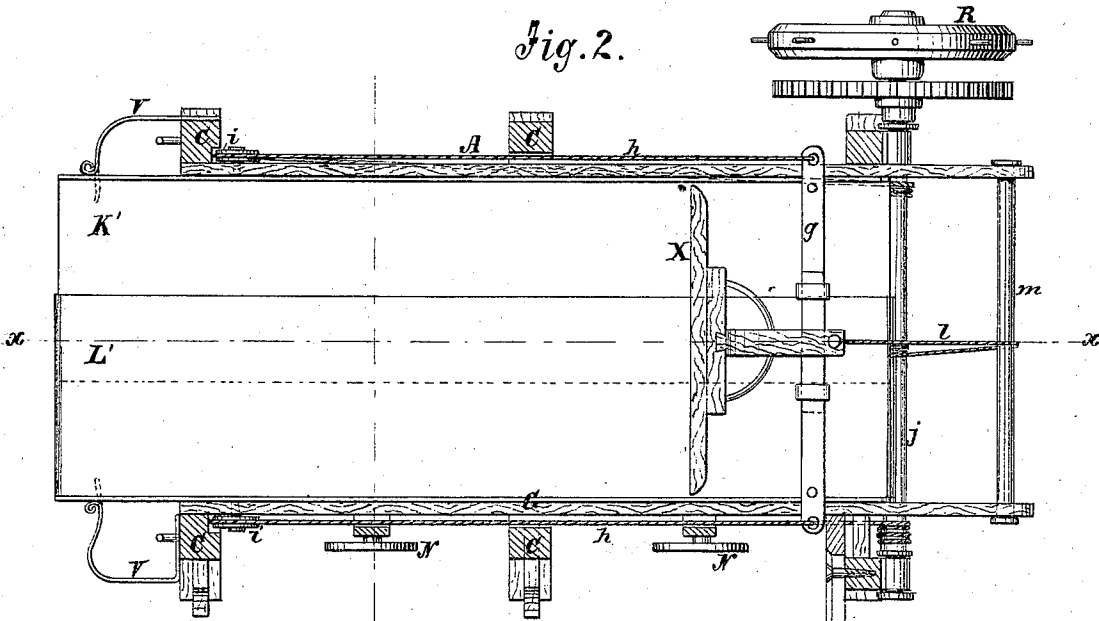


Fig. 2.



Witnesses:

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Fig. 3.

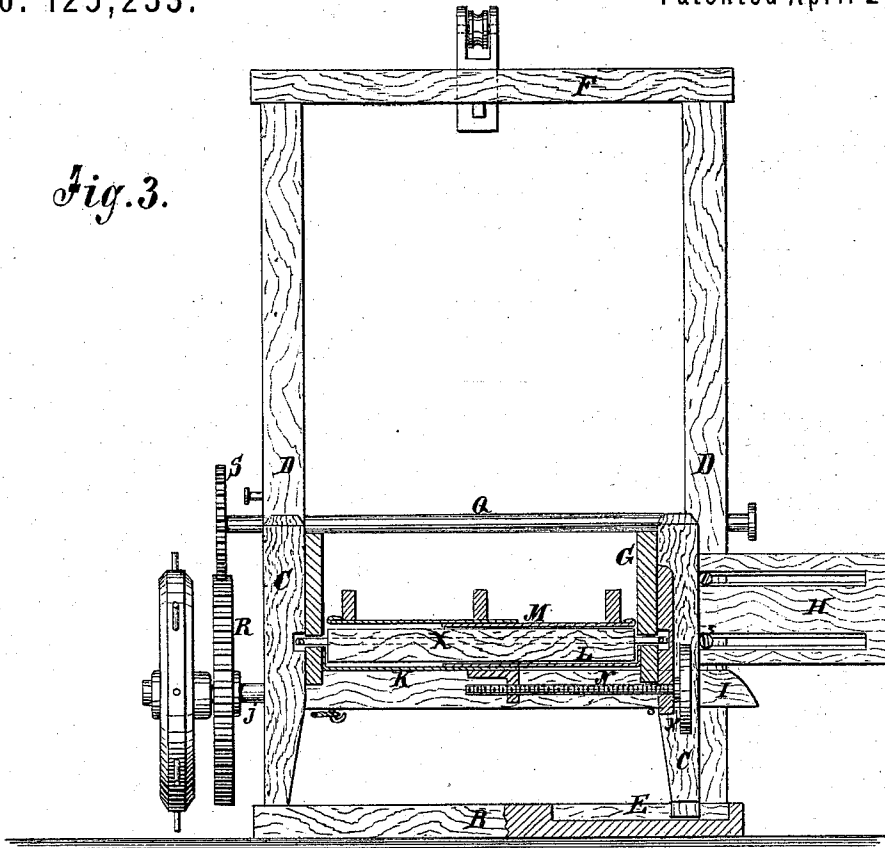


Fig. 4.

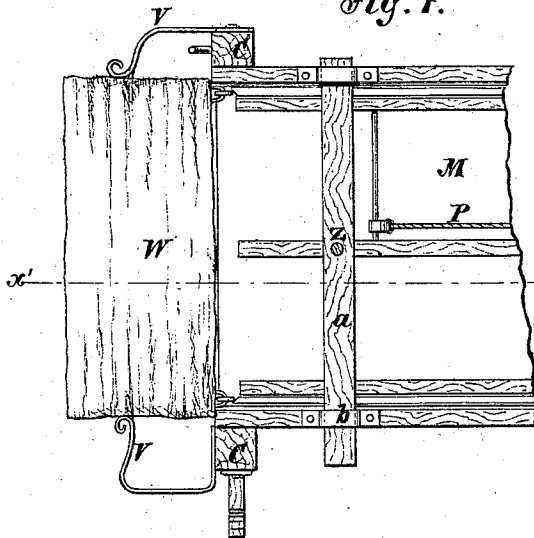
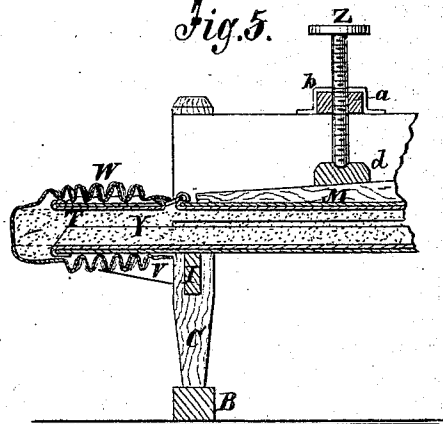


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE.

THOMAS A. WATSON, OF BRENHAM, TEXAS, ASSIGNOR TO HIMSELF AND A.
H. PHILLIPS, OF SAME PLACE.

IMPROVEMENT IN MATTRESS-STUFFERS.

Specification forming part of Letters Patent No. 125,233, dated April 2, 1872.

Specification describing a new and Improved Mattress-Stuffer, invented by THOMAS A. WATSON, of Brenham, in the county of Washington and State of Texas.

My invention consists of a horizontal case, eight or ten feet long, and wide as the largest mattress to be made, with a cover hinged at one end to open by swinging upward a pusher between the cover and bottom, with actuating gear for forcing the contents out at one end, and means thereat for conducting the same into the tick or case to be stuffed, which said case, bottom, cover, and frame supporting the case, are adjustable for varying the width according to the width of the case to be stuffed, and all arranged as hereinafter described.

Figure 1 is a longitudinal sectional elevation of my improved machine taken on the line *x x* of Fig. 2. Fig. 2 is a horizontal section on the line *y y* of Fig. 1. Fig. 3 is a transverse section on the line *z z* of Fig. 2. Fig. 4 is a partial plan view, and Fig. 5 is a section on the line *x' x'*.

Similar letters of reference indicate corresponding parts.

A is a horizontal case eight or ten feet long, and broad as the largest mattress to be made, or larger, supported on sills B by posts C and D, the said posts D of one side being stepped in long slots or grooves E in said sills, so that they may move toward or from each other for widening or narrowing the case according to the size of the tick or mattress to be made; but the posts D, which constitute, together with their connecting-beams F, a kind of head-frame for the support of the operating part, are not adjustable; consequently, for the side support of the end of the adjustable side board G, an adjustable board, H, is applied to the post D of that side of the machine whereon the said adjustable side piece G is attached in the manner shown. The cross-beams I of posts C pass through the adjustable posts, and extend as long as required for the widest extension of the case, and the head-frame D F is as wide as the said widest extension of the case. The bottom is made of two parts, K L, and the cover M is similarly formed, one of the said parts lapping the other, as shown, to allow of widening or narrowing the case. The part K of the bottom, attached to the permanent side

of the frame, has adjusting-screws N mounted in the movable side for moving the latter forward and back. The said cover M is pivoted at the head of the machine, as seen at O, to be raised up by a cord, P, and shaft Q, said cord being wound on the latter, which is turned by a driving-wheel, R, with which it gears, by a wheel, S, when said cover is to be raised; but it is slipped out of gear with the driving-wheel when the latter is used for driving the pushing-stuffer forward and for closing the cover down, as will be presently described. The free end of this cover is provided with an extension, T, which is joined to it at U, and comes above a corresponding extension, K' L', of the bottom, on which the sack W to be filled is adjusted, as shown in Figs. 4 and 5, for being filled and held by springs V, which allow it to escape as the filling is pressed in by a stuffing-pusher X behind the stuffing Y, which is spread in the case between the bottom and cover in advance of said pusher previously to letting the cover fall. The cover is pressed down on the stuffing with more or less force, according to the density required for it, by a temper-screw, Z, screwing through a bar, a, detachably confined upon the upper edges of the sides by an iron strap, b, and screwing upon the bar d lying across the cover. c is a detachable end piece for the case, which is used to retain the stuffing while it is being adjusted previous to the beginning of the stuffing operation. It is held in place, as shown in Fig. 1, by the stationary hooks e and the movable ones f, at which time the extension T is raised up out of the way; but, when all is ready, the said end piece of the cover is taken out and the part T of the cover is turned down and the sack put on. The pusher X is connected to a cross-bar, g, extending at each end through the case at the sides, which have long slots from end to end for allowing it to move back and forth. It is drawn toward the sack to force the stuffing into it by the cords h passing over pulleys i near the mouth, and then back to the winding-shaft j of the driving-wheel R, and it is drawn in the other direction by the cord l passing over the guide-rod m at the front of the machine and and back to the shaft j.

Having thus described my invention, I claim

as new and desire to secure by Letters Patent—

1. The combination of the case A, pusher X, cover M, and holders V, the bottom of said case and the cover having the extensions K', L', and T for entering the sack, all substantially as specified.

2. The said stuffing-case arranged to be adjusted, substantially in the manner described, for wide or narrow sacks, substantially as specified.

3. The combination, with the pusher and the

cover, of the cords *h* P, shafts Q *j*, and the drawing and connecting gears, all substantially as specified.

4. The combination, with the cover and the case, of the temper-screw Z, detachable support *a* for said screw, and the presser-bar *d*, substantially as specified.

THOMAS A. WATSON.

Witnesses:

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W. H. THACKER.