

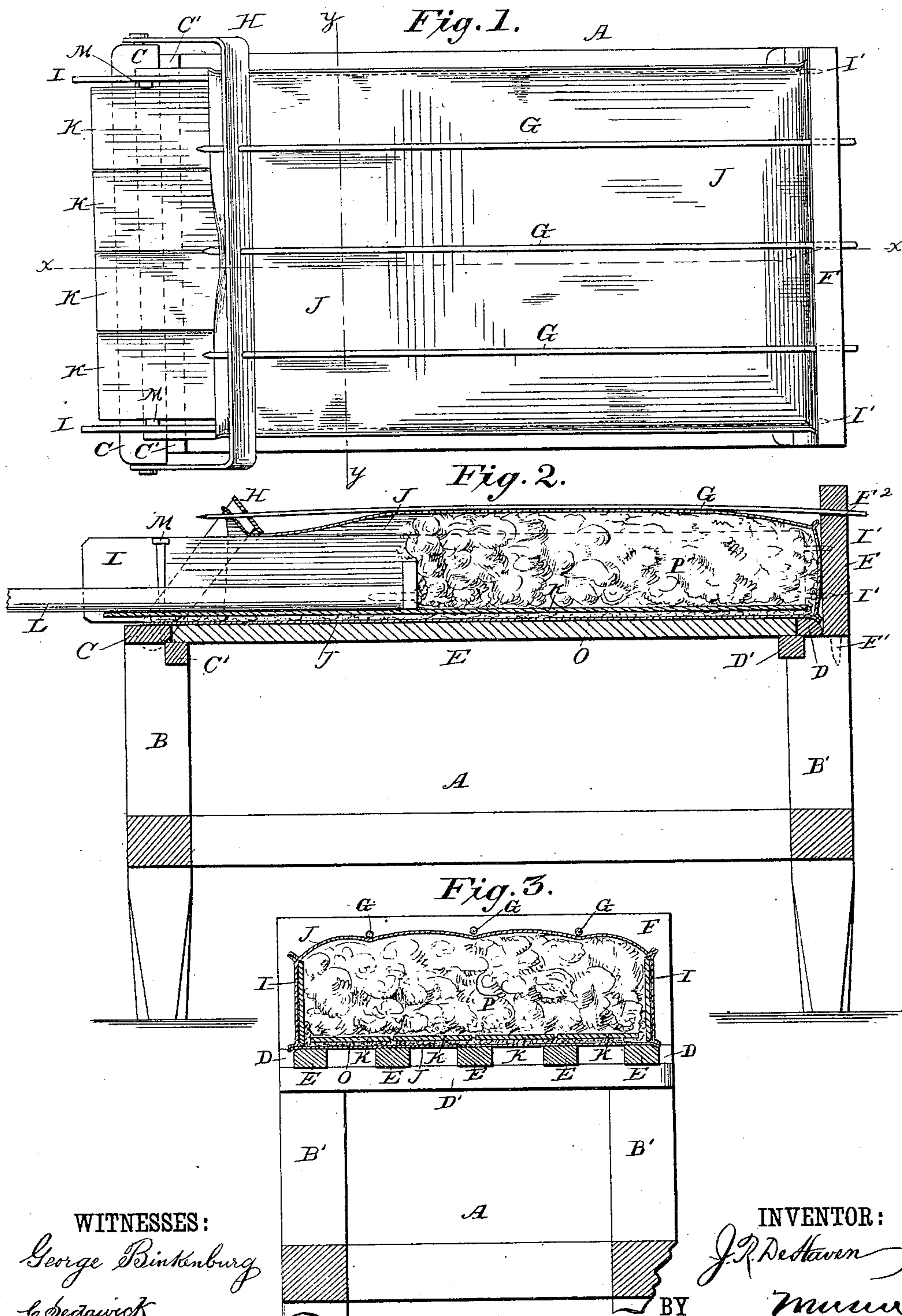
(No Model.)

J. R. DE HAVEN.

DEVICE FOR STUFFING MATTRESSES.

No. 368,385.

Patented Aug. 16, 1887.



UNITED STATES PATENT OFFICE.

JOHN R. DE HAVEN, OF CLOVERPORT, KENTUCKY.

DEVICE FOR STUFFING MATTRESSES.

SPECIFICATION forming part of Letters Patent No. 368,385, dated August 16, 1887.

Application filed September 21, 1886. Serial No. 214,161. (No model.)

To all whom it may concern:

Be it known that I, JOHN R. DE HAVEN, of Cloverport, county of Breckinridge, and State of Kentucky, have invented a new and Improved Device for Stuffing Mattresses, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved device for stuffing mattresses, which enables the operator to fill a mattress-tick rapidly and evenly with the material to be used.

The invention consists of a stand supporting loose slats and a removable head-piece, of side bars having points on one end, of bottom plates, and of top rods supported by the said head-piece and by a U-shaped frame pivoted to the stand.

The invention also consists of various parts and details, and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improvement. Fig. 2 is a longitudinal sectional elevation of the same on the line *x x* of Fig. 1, and Fig 3 is a vertical cross-section of the same on the line *y y* of Fig. 1.

A suitably-constructed stand, A, is provided on its front standard, B, with the cross-bars C and C', and similar cross-bars, D and D', extend across the upper end of the rear standards, B'. The cross-bars C' and D' form a support for the movable slats E, which, when placed in position, are flush on top with the top of the cross-bars C and D. A removable head-piece, F, is held on top of the rear standards, B', by means of dowel-pins F', and is provided with a series of apertures, F², in each of which is held one end of a rod, G, supported at its other end by a U-shaped frame, H, the ends of which are pivoted to the outside of the standard B.

Two flat bars, I, having sharp points I' on one end, correspond in width to the height of the mattress on the sides, and are somewhat longer than the length of the mattress to be stuffed, and these bars are used for holding

the tick J in position before filling. Similar bars, K, without sharp points are used to hold the bottom of the tick J even on the slats E.

The tools used in connection with my frame for stuffing mattresses are a plain stick or rule and a T-shaped rammer, L. (Shown in Fig. 2.)

The operation of filling a mattress on my improved frame is as follows: The head-board F and the slats E are put in place, as shown, and the tick J is then spread on the slats E with its one closed end near the head-board F. The operator then passes the flat bars I into the tick J, and places one on each side of the tick on edge, forcing them inward, so that their points I' enter the head-board F. The front end of each of the bars I is held in place by inserting a pin, M, into the cross-piece C. If it is desirable to have a cotton, moss, or hair top on the mattress, the desired material is spread on the bottom of the tick J, which will when the mattress is finished be the top part. This material O for the top of the mattress is evenly spread on the bottom of the tick either by hand, by means of a plain stick, or by the rammer L. The flat bars K are then placed on top of the material O and the rods G are placed in position, one end of each rod passing through the head-board and the other end being supported by the pivoted U-shaped frame H. The pointed front ends of the rods G are passed through the upper front part of the tick J to hold the mouth of the tick open. The material P, with which the mattress is to be stuffed, is now packed into the tick by the rammer L or other suitable device. The rods G hold the top of the tick from strutting. When the filling of the tick is accomplished, the bottom boards, K, and the side bars, I, are withdrawn, the top rods, G, and the head-board F are removed, and the pivoted frame H is swung downward, so that the stuffed mattress rests free on slats E, and the open stand A permits the operator to sew, stitch, tuft, and finish the mattress.

If no top filling, O, is used, the flat bars K are placed directly on the lower part of the tick to hold the same in place on the slats E.

I am aware that a mattress-stuffer has been formed of side pieces, overlapping laterally-adjustable top and bottom plates, and a removable end plate, between which the stuff-

ing material was compressed, the forward ends of these top and bottom plates having hinged extensions, on which the sack or tick was placed and held by springs while being stuffed; also, 5 that a frame has had hinged sides, a slatted bottom, solid hinged top having projections engaging straps on the ends of the slats, and a hinged door between said hinged sides, and I do not claim the same as of my invention.

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

1. The combination, with a mattress-supporting frame having a head-piece, of removable 15 side pieces to pass into the tick at its sides, and having pins on their ends to project through the tick into the head-piece, substantially as set forth.

2. The combination of the stand A, having 20 the cross-pieces C, C', D, and D', with the removable head F, the slats E, the bottom boards, K, and the side bars, I, having points I', substantially as shown and described.

3. The combination of the stand A, having the cross-pieces C C' and D D', with the removable head F, the slats E, the side bars, I, having the points I', the bottom bars, K, the rods G, and the pivoted frame H, substantially as 25 shown and described.

4. The stand A and the removable head F, 30 in combination with the rods G and the U-shaped frame H, pivoted to the said stand, substantially as shown and described.

5. The combination of the stand A, having the cross-pieces C and D and the movable 35 head-piece F, with the side bars, I, having the points I', and the pins M for holding the side bars in place, substantially as shown and described.

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Witnesses:

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