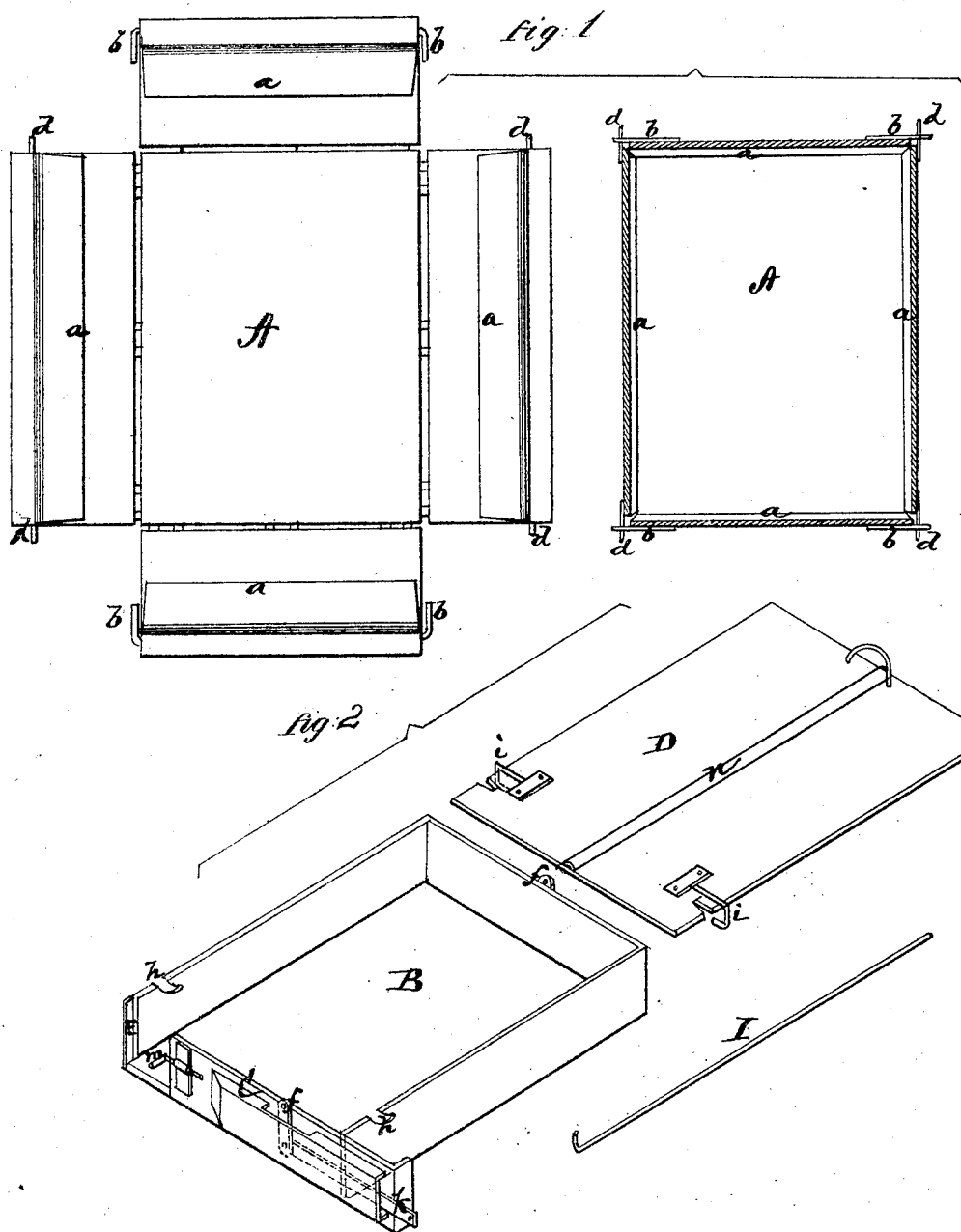


Improvement in Machines for Stuffing Mattresses.

No. 118,892.

Patented Sep. 12, 1871.



Witnesses.

C. L. Ewert.
 J. L. Curran

Inventor.

Edwin L. Wright
 per Alexander M. Mason

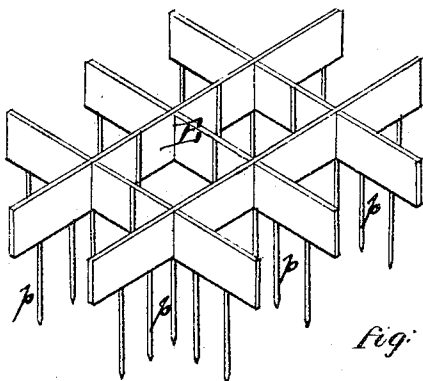
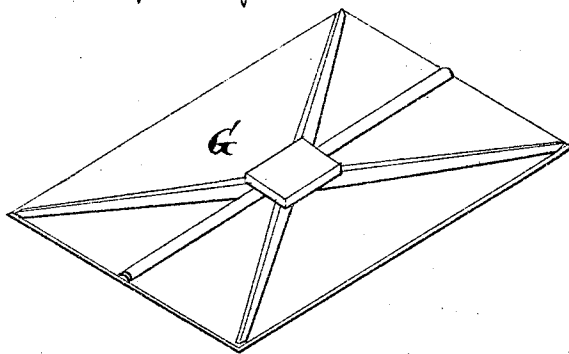
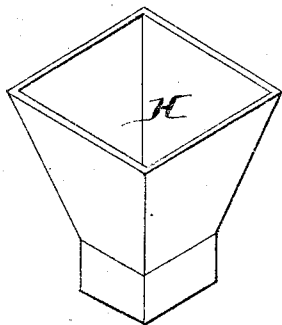
Attest

EDWIN L. WRIGHT.

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fig 3*fig. 4**fig 5*

Witnesses.

C. L. Everett
J. L. Curran

Inventor.

Edwin L. Wright
per Alexander Murray

Atty.

UNITED STATES PATENT OFFICE.

EDWIN L. WRIGHT, OF STERLING, ILLINOIS, ASSIGNOR OF ONE-FOURTH HIS
RIGHT TO R. A. CRAWFORD, OF SAME PLACE.

IMPROVEMENT IN MACHINES FOR STUFFING MATTRESSES, &c.

Specification forming part of Letters Patent No. 118,892, dated September 12, 1871.

To all whom it may concern:

Be it known that I, EDWIN L. WRIGHT, of Sterling, in the county of Whitesides and in the State of Illinois, have invented certain new and useful Improvements in Machine for Stuffing Mattresses, Cushions, &c.; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and use of certain devices which together form a machine for stuffing mattresses, cushions, &c., as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a plan view of a folding table, showing the same both open and closed. Fig. 2 is a perspective view of the tray in which the material is placed, showing the top of said tray detached. Fig. 3 is a perspective view of the sectional distributor. Fig. 4 is a perspective view of the press-cover, and Fig. 5 is a perspective view of the hopper.

A represents a folding table, which may be made, of wood or metal, to open or close in box-form, all four sides being hinged, as shown in Fig. 1. On the inside of the box sides are horizontal flanges *a a*, at such a distance from the table that when the tray B is placed thereon and the sides closed the flanges will fit over the edges of the tray. To fasten the folding table in shape of a box hooks *b b* and staples *d d* are used, as shown. B represents the mattress or cushion-tray, which can be made, of wood or metal, in any desired size or form, with sliding end C partially drawn. *ee* are slots in the sides of the tray to receive the sliding end C. *f* is a staple in the center of the opposite end to receive the rod I; and *h h* are slots in the sides of the tray to receive, in certain cases, hooks *i i* on the cover D. The sliding end C is provided with a sliding lever, *k*, which is pivoted to a pivoted staple, *f'*, so that said staple may be raised or lowered at will. *m* is a revolving staple to fasten the sliding end C to the tray B. The cover D may be

made of wood or metal, and is provided with the hooks *i i*, as well as a tube, *n*, running lengthwise on the upper side in the center, for the passage of the rod I. E represents the sectional distributor, composed of a frame forming a suitable number of square sections of equal size, and provided with teeth *p p*, sharpened at their lower ends. G represents the press-cover, and H the hopper.

The operation of my machine is as follows: Open the table A flat and place the tray B in the center thereof, with the slide end C passed through the slots *e*; then turn the staple *m* horizontal with the side of the tray, and the open end of the tray becomes firmly closed. Press in the lever *k* until the staple *f'* stands upright, and close the sides of the folding table, fastening the same by means of the hooks *b b* and staples *d d*. Now place therein the distributor E, and the machine is ready to receive the material through the hopper H, which is first filled and placed in one section and emptied through the bottom, and so on, section by section, until all are filled. To be accurate scales should be handy, and the hopper thereon balanced, by which means the greatest accuracy and equality of distribution of material is gained. The material is now inclosed within the folded table A and tray B. Withdraw now the distributor E by hand, or, if necessary, by means of cords and pulleys suitably arranged. The cover D is placed upon the material and the press-cover G upon the cover D, when a lever or screw-power is used to press the material into the tray B. Now lower the sides of the table A and insert the rod I through the staple *f*, tube *n*, and staple *f'*, and the material is firmly inclosed in the tray B ready for sack, inclosure, or covering after removing press-cover G and the power.

In some cases the sliding end C may be dispensed with, when the hooks *i i* of the cover D are turned into the slots *h h* of the tray to hold the cover on the tray and confine the material.

The sack or article to be filled must be left open at one end to admit the tray B, with the material; also one corner in the opposite end, to enable the operator to withdraw or remove the slide end C. When this slide end is not used this corner need not be left open. Place the open end of the sack or article to be filled over the sliding end of the tray and draw it on over the tray, or

push the tray into the covering. Now take hold of the end of the lever *k* and draw the staple *f'* horizontal with the slide end *C*, to permit the same to pass through the slot *e* after turning the revolving staple *m* perpendicular with the end *C*, when the said end is free to be drawn through the slots *e* and the covering. When the slide end *C* is not used the hooks *i i* of the cover *D* are turned horizontal with the fingers. Now draw out the rod *I* and the cover *D*. Take the distributor *E* and press-cover *G* and with the power press the sharp-pointed teeth through the covering and material until the points strike the bottom of the tray *B*. The operator is now ready to draw from the covering the tray *B*, which completes the stuffing of the article.

This machine will stuff hair, sponge, husks, moss, cotton, or any other article or material to be placed in a partial inclosure or in upholstered work.

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

1. The table *A* provided with hinged sides having flanges *a a*, hooks *b b*, and staples *d d*, or their

equivalents, substantially as and for the purposes herein set forth.

2. The tray *B*, open at one end, and provided with staples *f* and slots *e e* and *h h*, and used in combination with the cover *D* and rod *I*, substantially as and for the purposes herein set forth.

3. The sliding end *C* provided with lever *k*, staple *f'*, and catch *m*, all substantially as and for the purposes herein set forth.

4. The distributor *E*, constructed, as described, of square sections of equal size, with teeth *p p*, substantially as and for the purposes herein set forth.

5. The combination of the table *A*, tray *B*, end *C*, covers *D G*, rod *I*, distributor *E*, and hopper *H*, all constructed and arranged substantially as shown and described, to form a machine for stuffing mattresses, cushions, and other similar articles, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 10th day of June, 1871.

EDWIN L. WRIGHT.

Witnesses:

D. JUDSON JENNE,

E. B. WRIGHT.