

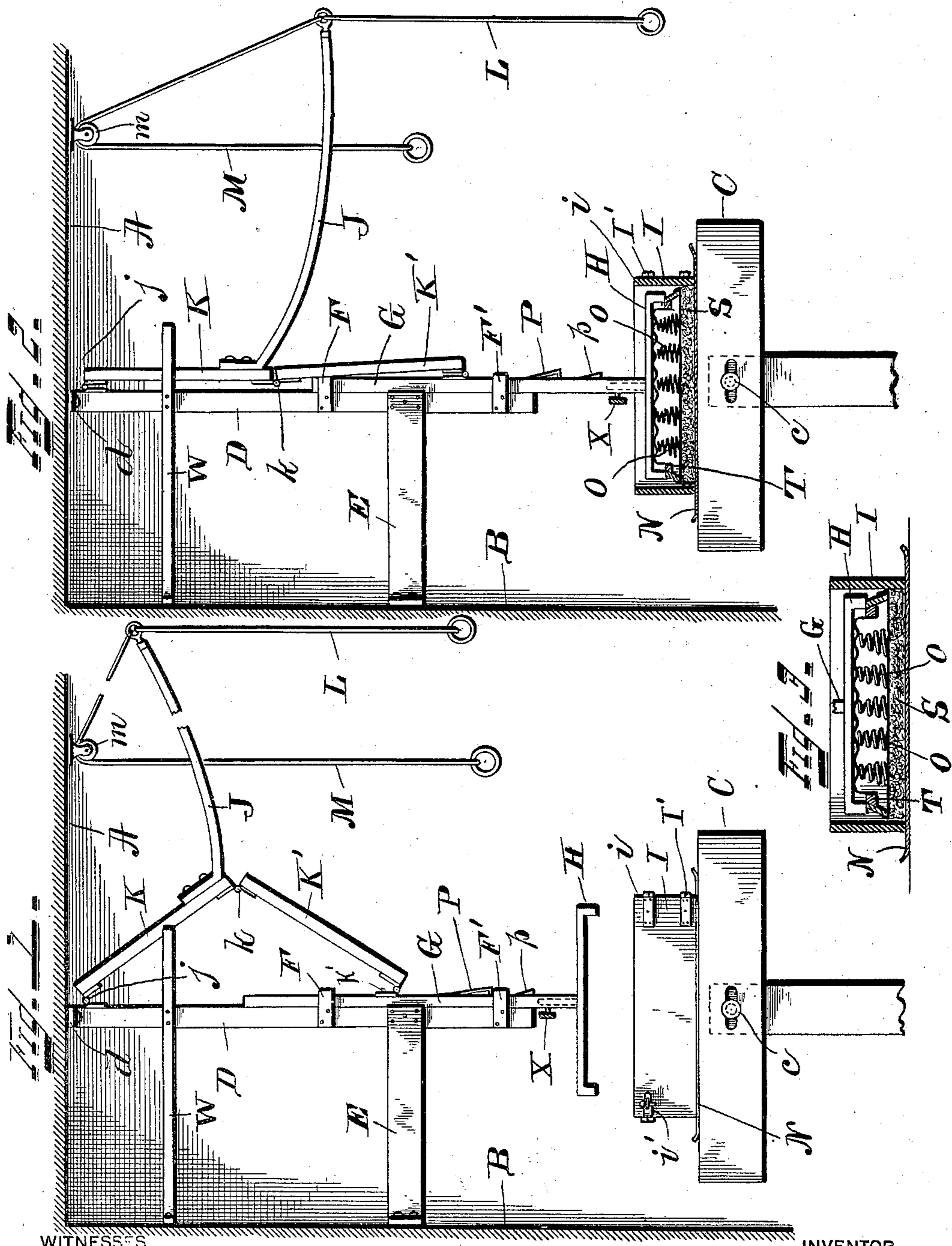
No. 639,511.

Patented Dec. 19, 1899.

E. F. BRAISHER.
APPARATUS FOR MAKING CUSHIONS.

(Application filed June 14, 1899.)

(No Model.)



WITNESS-S

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APPARATUS FOR MAKING CUSHIONS.

SPECIFICATION forming part of Letters Patent No. 639,511, dated December 19, 1899.

Application filed June 14, 1899. Serial No. 720,577. (No model.)

To all whom it may concern:

Be it known that I, EDWARD F. BRAISHER, a citizen of the United States, residing at Oshkosh, in the county of Winnebago and State of Wisconsin, have invented new and useful Improvements in Apparatus for Making Cushions, of which the following is a specification.

My invention relates to apparatus for making cushions; and it consists of certain novel constructions, combinations, and arrangements of parts, as will be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of the apparatus with the lever raised. Fig. 2 shows the lever down, and Fig. 3 is a sectional view lengthwise through the stuffing-box.

Similar letters refer to similar parts in each view.

The drawings illustrate an adaptation of my invention for the making of carriage-cushions. It is necessary to have a top support, a bottom support, and a side support for the press, and for these purposes I usually use the floor, the ceiling, and a side wall or partition of the building.

In the drawings, A represents the ceiling, and B the side wall or partition, of the building. The supporting-table C rests upon the floor.

D represents the upright post, which is rigidly attached to the ceiling at *d* and braced to the side wall B by one or more braces E.

F F' are clips attached to the upright D, forming ways in which the traveling bar G slides.

H represents the follower, and I the stuffing-box.

The traveling bar G is operated up and down by means of the curved lever J, which as it is raised or lowered operates the "toggle" formed by the arms K K' and the knuckle-joint *k*. The arm K is hinged to the post D at *j*, and the arm K' is hinged to the traveling bar G at *k*'.

The rope L is used to pull the lever J down, and the rope M, passing over the pulley *m*, is used to raise the lever. When the lever J is pulled down, it opens the toggle slightly beyond the center, as shown in Fig. 2, so that it will remain without latching. When the lever is raised, the latch P operates automat-

ically against the clip F' to retain the follower H a proper distance above the stuffing-box I. The latch P may be pushed inwardly by the thumb-piece *p* to release the bar. The stuffing-box I is without a top or bottom, and one end *i* is hinged at I' and a latch *i*' is provided, so that the box may be opened and removed from around the cushion after pressure has been applied.

In the operation of the machine, the lever J being raised, the operator first places the cushion-covering material N upon the table C, then places the closed stuffing-box I upon the cover N, and fills the box with the stuffing material S. The cushion-frame T, which carries the springs O O O, is then placed bottom upward upon the stuffing and the follower H brought down upon the frame T and pressure applied by pulling down on the rope L to compress the stuffing. The press is then at the position shown in Fig. 2. The operator then unlatches and opens the stuffing-box I and slides it from the table. The stuffing S is then exposed around the edges. The operator arranges it properly with a tufting-stick and brings up the cover material N around the edges and tacks it to the frame P. The lever is then raised by pulling downward on the rope M until the latch P operates to retain the traveling bar, and the cushion can be removed to the bench to be backed and finished.

I provide a brace W on each side of the post D and allow said braces to extend beyond the post, so as to act as guides to prevent the arm K from swinging to either side when pressure is applied.

Different forms of followers H may be used to adapt my invention to different forms of cushions, and different sized and shaped stuffing-boxes may also be used.

The table C may be raised or lowered upon the standard C' and retained at any desired position by means of the set-screw *c*. By this means the table may be adjusted relatively to the follower to adapt the apparatus to deep or shallow cushions. When the table is once adjusted, the pressure is always uniform and the same, as the toggle mechanism will only force the follower down a certain distance, and this is the same at each operation of the machine. I regard this as an important fea-

ture of my invention, as a uniform pressure is always quickly provided and cushions of uniform size and thickness can be insured. This is of great importance in finishing, as the amount and thickness of stuffing are always the same and in accordance with the dimensions of the covering.

I have shown in Fig. 2 a telescopic adjustment of the follower H upon the traveling bar G, the same being secured by the set-screw X. Although no adjustment whatever is necessary to my invention, I regard the vertical adjustment of the table superior to any adjustment of the follower.

Having thus described my invention, what I claim to have invented, and desire to secure by Letters Patent, is—

1. An apparatus for pressing cushions comprising a pendent standard, means for supporting and bracing the same, a traveling bar adapted to slide in ways on the said standard, a follower secured to the said traveling bar for pressing the cushion, a toggle-joint comprising upper and lower hinged members, the upper member being hinged to the pendent standard and the lower member being hinged to the traveling bar, a lever secured to the upper member near its pivoted connection with the lower member, means for raising and lowering the said lever for operating the toggle and producing the proper pressure upon the cushions being formed and means for supporting the said cushions beneath the follower, substantially as described.

2. An apparatus for pressing cushions comprising a pendent standard and a base standard arranged one above the other, a traveling

bar adapted to move upon the pendent standard, a follower carried by the said traveling bar, a toggle connecting the traveling bar with the pendent standard being pivoted to each of the said parts, a lever connected to the upper member of the toggle near its central pivoted portion, rods connected with the end of the said lever for raising and lowering it, a guide secured to the pendent standard beneath which the upper member of the toggle swings for keeping the same into alignment and a former or box for holding the material in place beneath the pressure of the follower, substantially as described.

3. An apparatus for pressing cushions comprising an upper pendent standard and a lower base-standard, a traveling bar upon the upper pendent standard and a toggle for operating the same and connecting it with the upper pendent standard, a spring-latch for holding the traveling bar in its upper position, a former-box adapted to rest upon the base-standard and to receive the material of which the cushion is to be formed, said former-box being hinged at its corners so that it may be opened after the cushion has been pressed, and means for operating the toggle, whereby a suitable pressure may be brought to bear upon the cushion or cushions being formed, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

EDWARD F. BRAISHER.

Witnesses:

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J. WALKER.