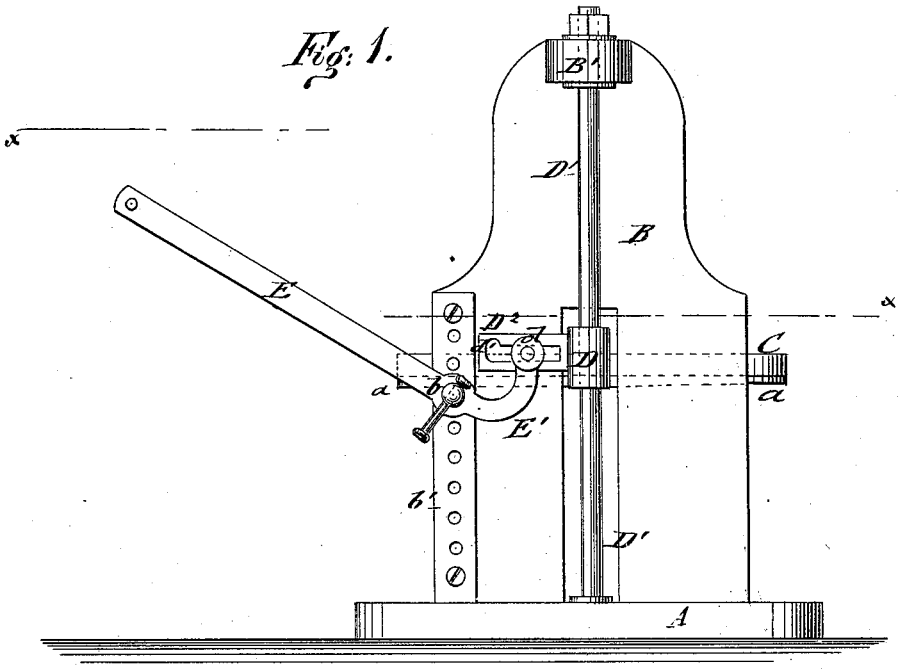
F. X. OSBURG.

Presses for Compressing Cigars, &c., in Packing Boxes

No. 199,990. Patented Feb. 5, 1878.

Fig. 1.



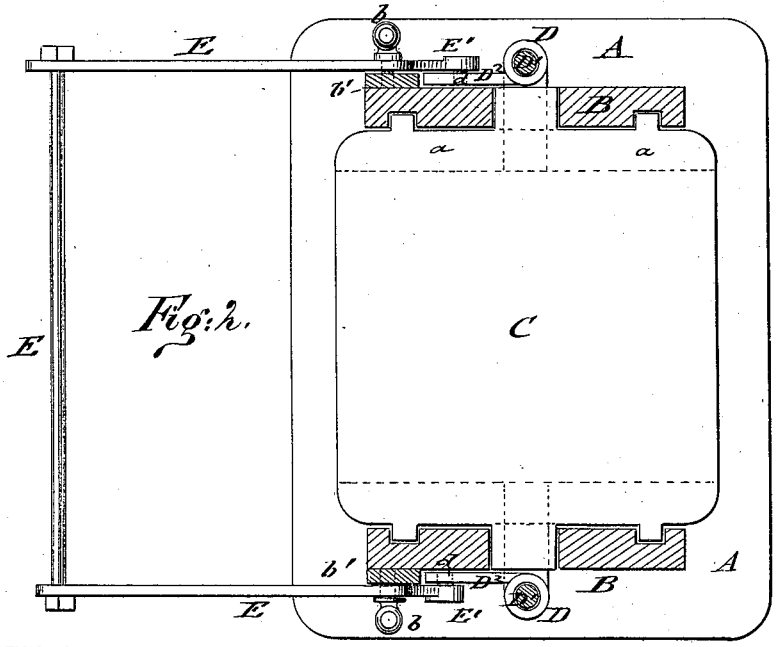


Fig. 2.

WITNESSES:

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FRANK X. OSBURG, OF CINCINNATI, OHIO.

IMPROVEMENT IN PRESSES FOR COMPRESSING CIGARS, &c., IN PACKING-BOXES.

Specification forming part of Letters Patent No. **199,990**, dated February 5, 1878; application filed August 11, 1877.

To all whom it may concern:

Be it known that I, FRANK X. OSBURG, of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and Improved Cigar and Tobacco Press, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of my improved cigar and tobacco press, and Fig. 2 a horizontal section of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to a powerful hand-press for compressing cigars, tobacco, and other articles for packing them in boxes; and it consists of a vertically-movable follower, operated by a fulcrumed lever-frame, with curved ends that engage the slotted arms of vertically-guided runners of the platform.

The fulcrums of the lever-frame may be changed by being shifted higher or lower in perforated pieces to adapt the press to any size of box.

By referring to the drawing, A represents the base-plate; B, the upright side standards, and C the movable platform or follower, which is guided by end projections in recesses of the standards.

The platform C is attached by stiffening-bands *a*, at the under side of the same, to the sleeve-shaped runners D, which slide along fixed vertical rods D^1, secured to the base-plate and the top cross-bar B′ of the standards B. A lever-frame, E, is applied by screw-fulcrums *b* to perforated pieces *b′* at the outside of the standards, and connected by pins or rollers *d* at the ends of the curved parts E′ of the lever-frame with the horizontally-slotted arms D^2 of the runners. A lateral handle-rod connects the outer ends of the levers, and serves to raise or lower the lever-frame, and by the action of the pins on the slotted arms D^2 to lower or raise the follower. The fulcrums of the lever-frame may be adjusted higher or lower in the perforated pieces, according to the height of the box or other article to be pressed.

The uppermost position of the follower has to be adjusted to the height of the box into which the cigars, tobacco, or other articles are to be pressed, so that the press cannot crush or injure the box, but only pack the article tightly and snugly therein. The box with the articles to be pressed is placed on the platform, which has first been lowered, by bringing the lever-frame into vertical position. The lever-frame is then swung slowly down and the platform raised until the articles are compressed between the same and the top part by their action on the lid of the box, the even vertical motion of the box producing a uniform pressure. The slots in which the pins or rollers of the lever-frame run have small extensions or seats *d′* for the pins at the upper front ends, as shown in Fig. 1, into which the pins of the lever-frame are seated when the platform is at its highest position, so as to remain therein, and hold the boxes rigidly compressed for any length of time at a uniform pressure, the notches of the slots preventing any change in the position of the platform.

The press is readily operated, and of especial advantage in the manufacture of cigars or tobacco, as the same can be pressed and packed with facility and rapidity.

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

1. In a cigar and tobacco press, the combination of the vertically sliding and guided platform C, having runners D, and slotted arms D^2 with the recessed standards B, guide-rods D^1, and connecting top piece B′, and with the fulcrumed lever-frame, having curved connecting ends, substantially in the manner and for the purpose set forth.

2. The combination of the fulcrumed platform-operating lever-frame with perforated pieces of the standards, to change height of fulcrums and terminal height of platform, substantially as specified.

FRANK X. OSBURG. [L. S.]

Witnesses:

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