

F. BROWN.

Improvement in Cigar-Mold Presses.

No. 132,351.

Patented Oct. 22, 1872.

Fig. 1.

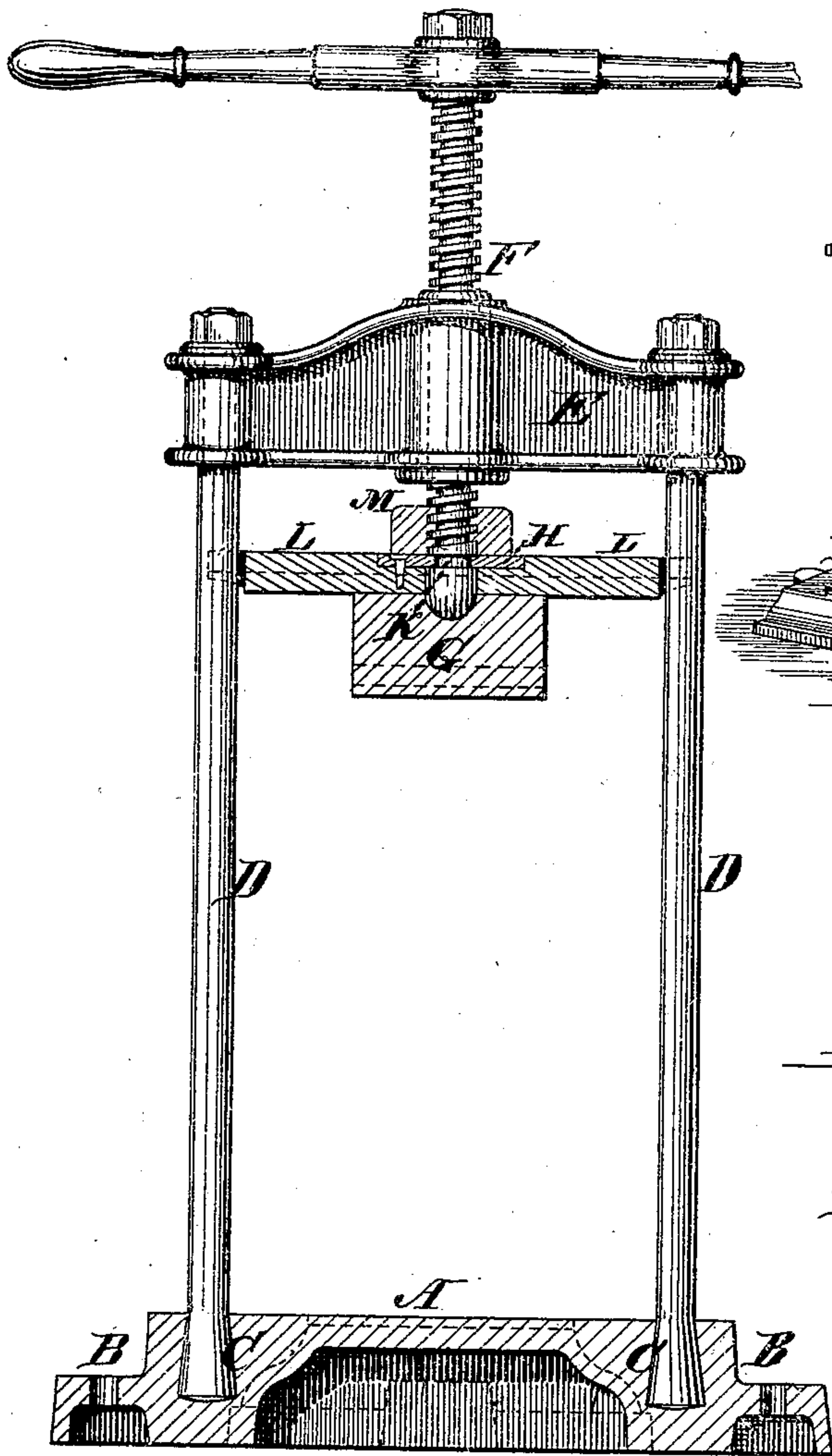


Fig. 2.

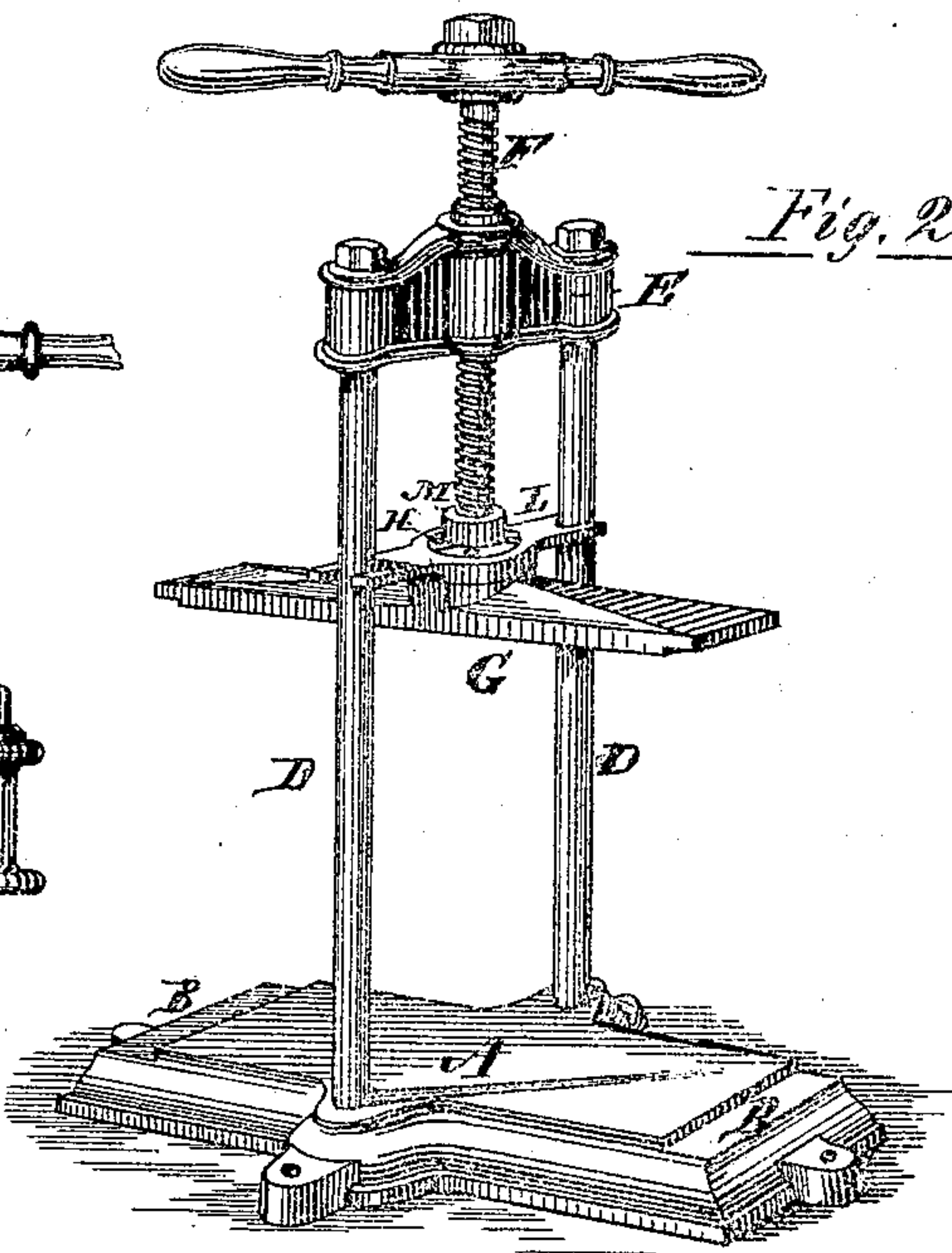
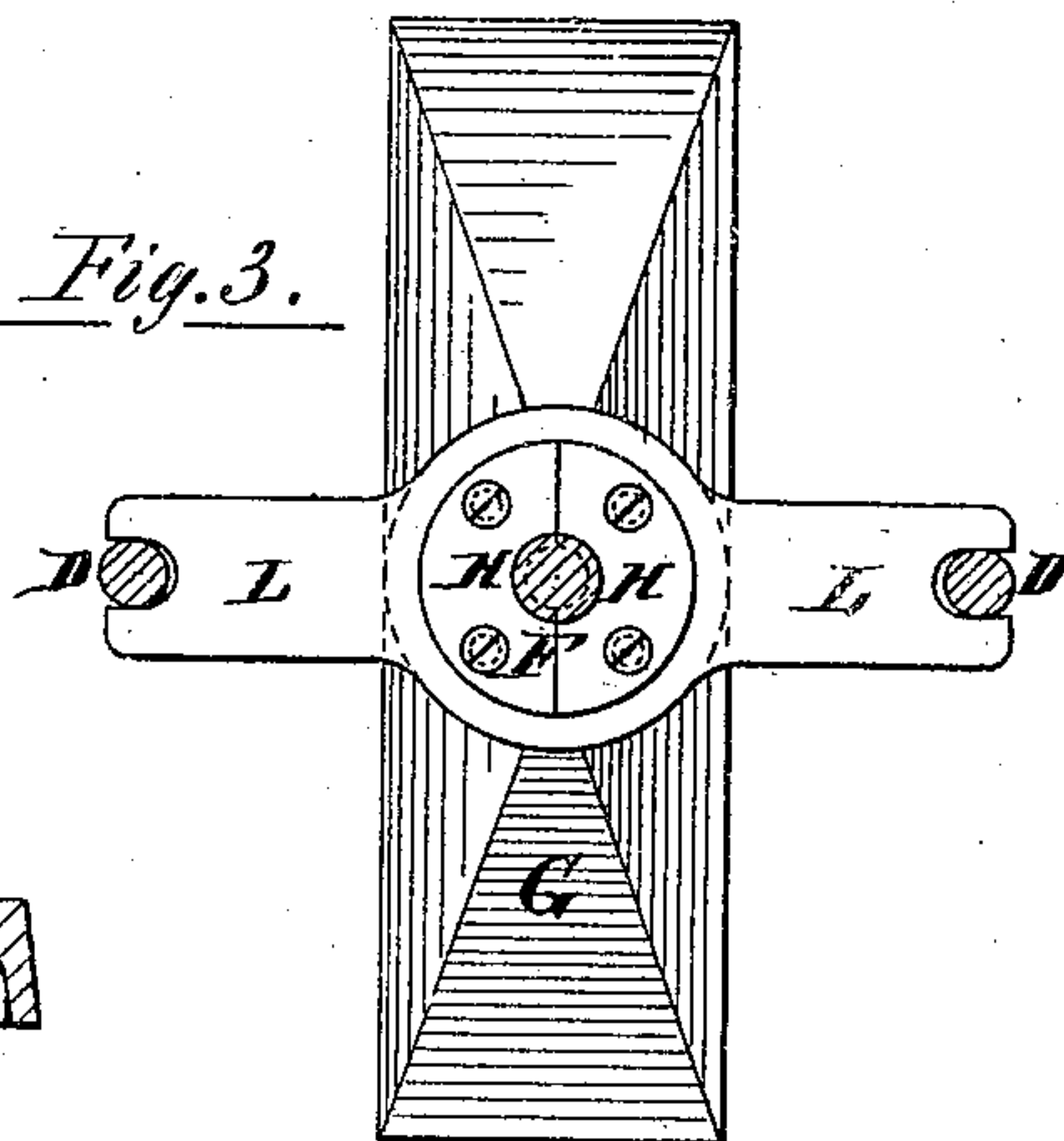


Fig. 3.



WITNESSES.

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IMPROVEMENT IN CIGAR-MOLD PRESSES.

Specification forming part of Letters Patent No. **132,351**, dated October 22, 1872.

To all whom it may concern:

Be it known that I, FELIX BROWN, of the city, county, and State of New York, have invented certain Improvements in Cigar-Presses, of which the following is a specification:

Nature and Object.

This invention relates to certain peculiarities of construction by which considerable cost is saved in making the press, and a saving of time is effected afterward in its use; and the invention consists, first, in making the screw of the press of a portion of a round bar or rod of metal of the same diameter from end to end, thereby dispensing with the necessity of upsetting the end that works in the follower by making the lifting-plate that connects it with the screw in two or more parts, so as to be fitted into a groove in the screw instead of a flange or rib swaged upon the lower end of the screw; second, in combining the face of the follower a sufficient distance below the side guides thereof to clear the upper ends of the clamps that bind the molds, so that the molds can be slipped out endwise without reversing the screw to any considerable extent; third, in providing a safety-check between the follower and the nut of the screw, which will indicate when the screw is reversed as far as it should be, thereby preventing a very common injury generally arising from the carelessness of forcing the screw from its socket in the follower by extreme reversing of it.

Drawing.

Figure 1 is a view in elevation of the press, showing the follower and bed in cross-section. Fig. 2 is a view in perspective of the press complete. Fig. 3 is a top view of the follower to show the lifting-plates around the screw.

The bed of the press A is cast of the proper form to receive the molds for the cigars, and has recesses B B at each end to receive the lower portion of the clasps or bands that confine the molds until the operation of seasoning or drying is completed. Suitable projections on opposite sides of the base, as at C C, receive rods D D, that rise

to a sufficient height to support the yoke E, that sustains the nut and screw F, which supports and drives the follower G. Said follower is suspended to the screw by plates H H that clasp the screw near its lower end and catch therein in a groove at K, Fig. 1. This arrangement avoids the necessity of forming a flange or collar on the screw to catch underneath the lifting-plates. The lower end of the screw works in a socket in the top of the follower, and on each side, on the guides or arms L L, that extend out to the upright rods D D, and partially or wholly surround them to guide the follower in its vertical movement. As plainly shown in Fig. 1, said guides are placed as far as possible above the face of the follower, so that the screw need not be reversed more than one turn to permit the molds to be shoved or drawn out endwise from the press. At M, around the screw and immediately on top of the lifting-plates above the follower, is a block of some elastic substance, as rubber, through which the screw works loosely, and which travels up and down with the follower, but which, when carried up toward the yoke or nut to meet it, will gradually resist the reversing of the screw, and thereby indicate that the motion in that direction should cease, and thereby save the often-occurring accident of tearing the lifting-plates from the follower.

I therefore claim—

1. In a cigar-press the plates H H, formed with semicircular-shaped recesses to secure the screw upon the guide-plate L, in combination with the follower G, yoke E, standards D D, and base A having the recesses B B, substantially as described.

2. In a cigar-press the cushion-packing M, in combination with the screw, the yoke, the plates H H, and the guides L, all operating in respect to the base A having the recesses B B and supporting the standards D D, as set forth.

FELIX BROWN.

Witnesses:

BOYD ELIOT,
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