

(Model.)

G. W. AMOS.

SEAL LOCK.

No. 389,732.

Patented Sept. 18, 1888.

FIG. 1.

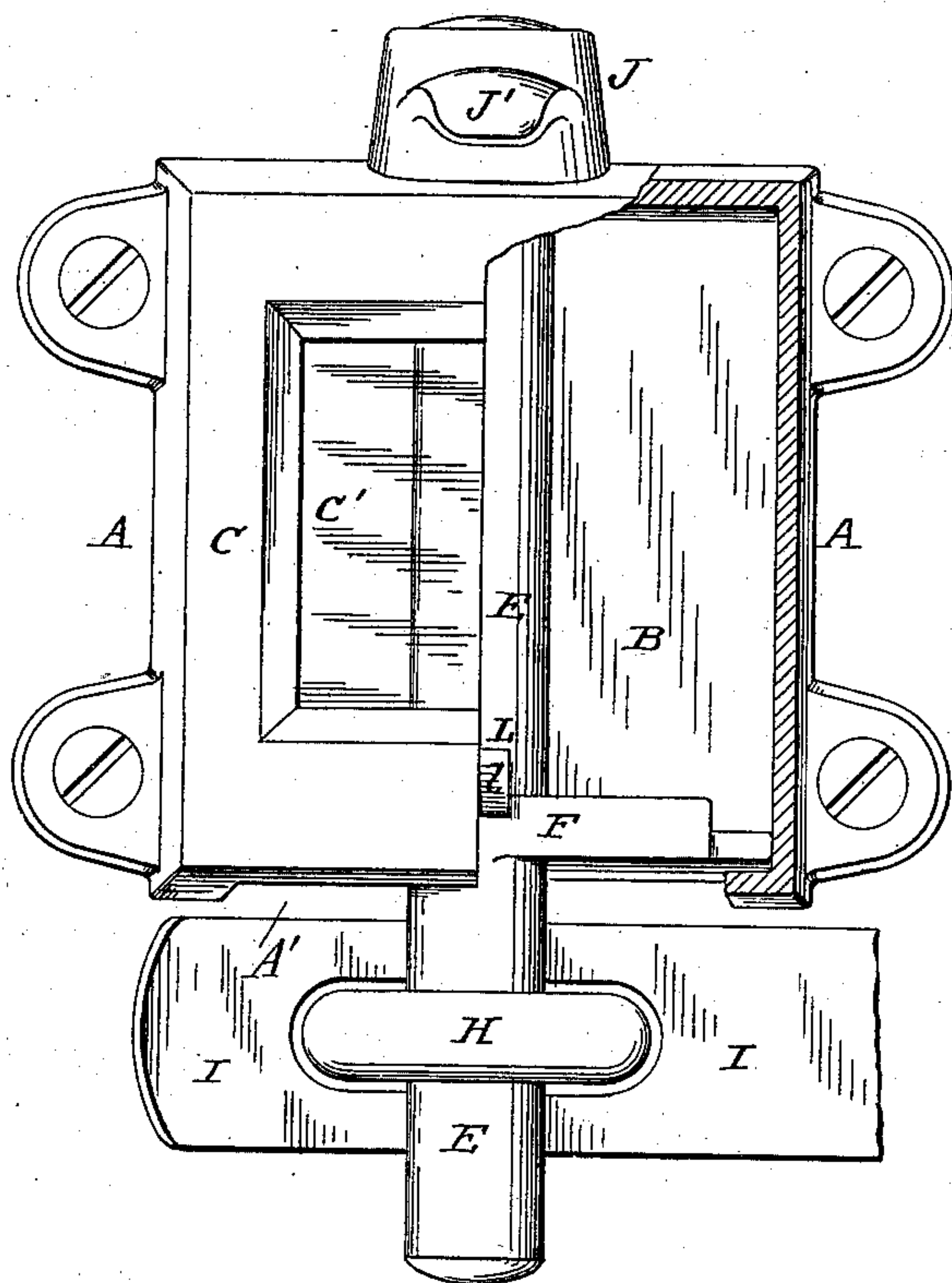


FIG. 2.

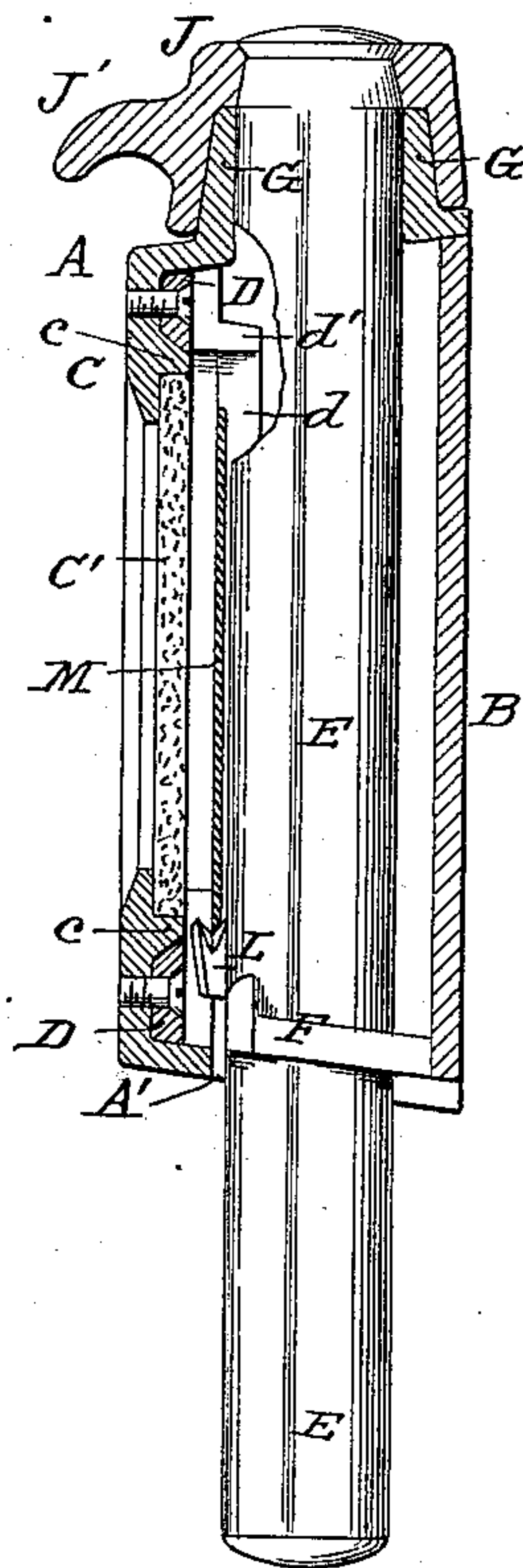


FIG. 3.

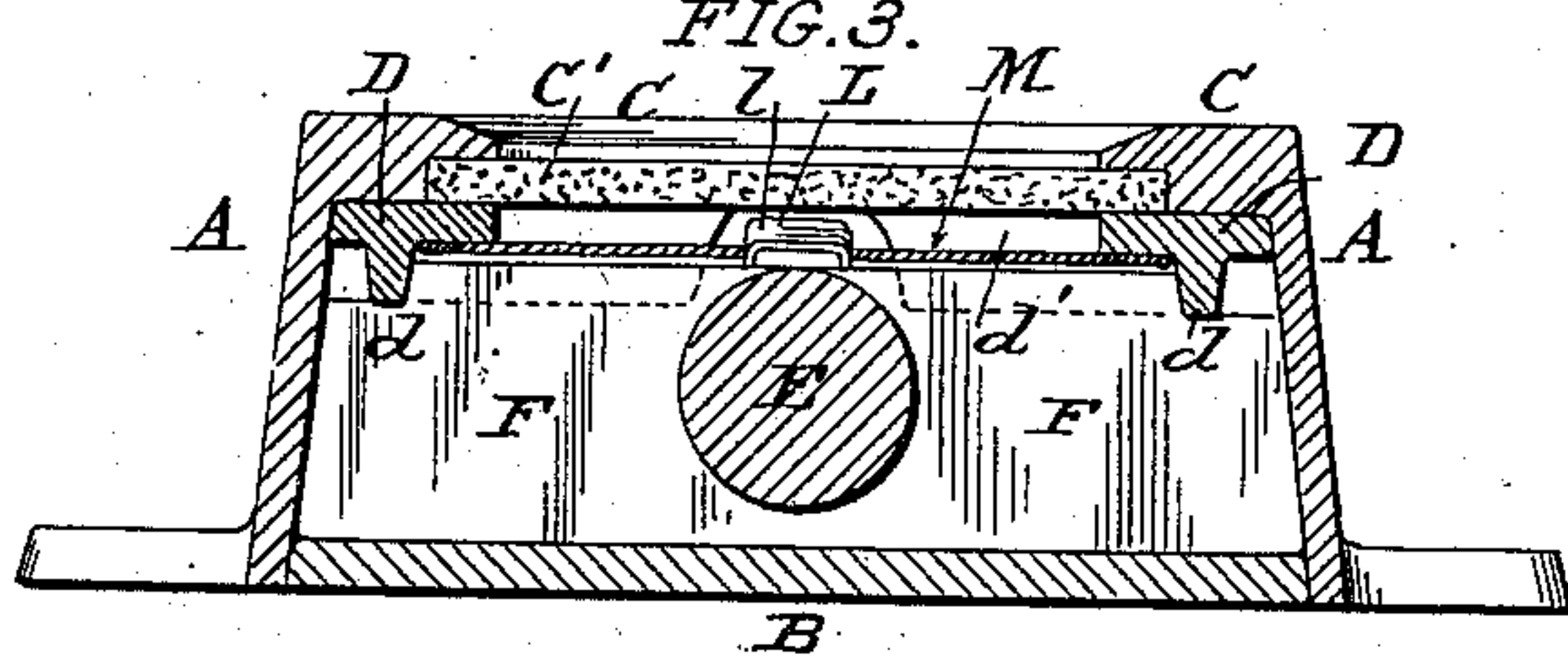


FIG. 4.

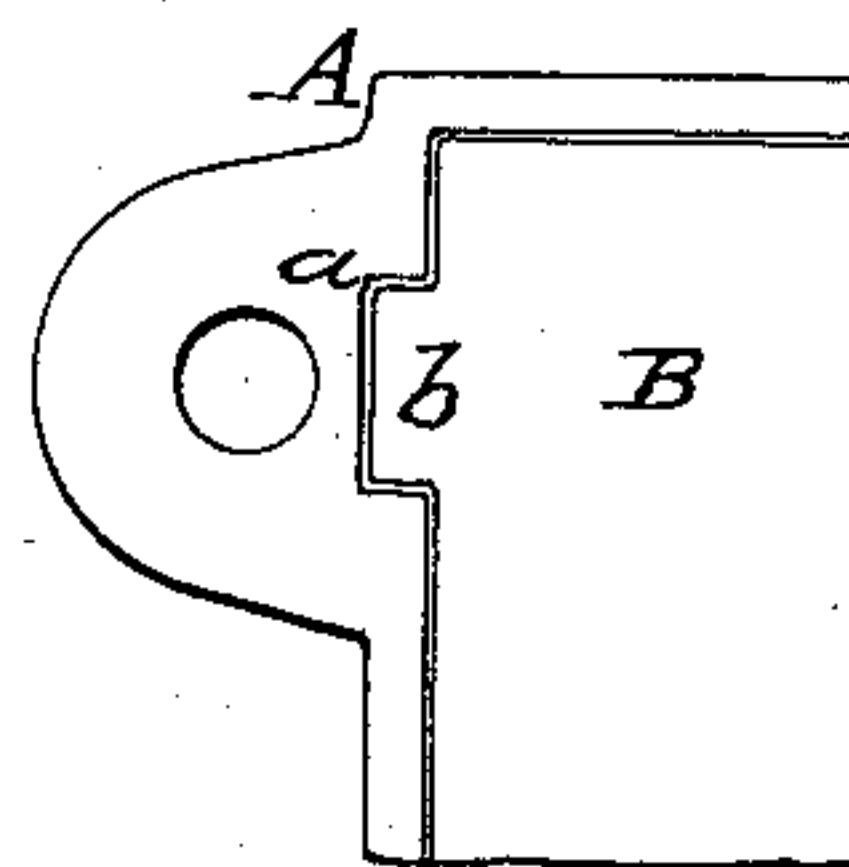
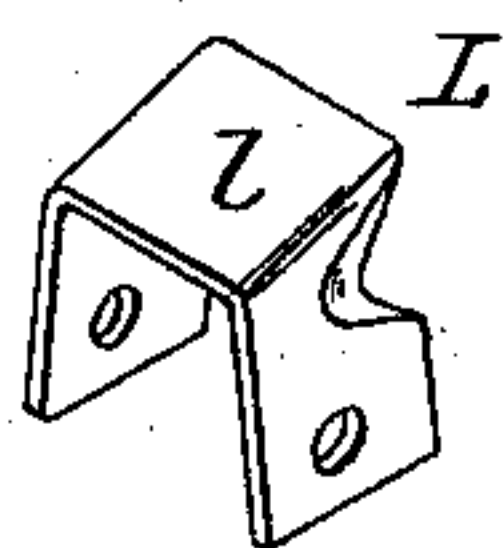


FIG. 5.



ATTEST:

Ed. Murden

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UNITED STATES PATENT OFFICE.

GEORGE W. AMOS, OF CHICAGO, ILLINOIS.

SEAL-LOCK.

SPECIFICATION forming part of Letters Patent No. 389,732, dated September 18, 1888.

Application filed March 12, 1888. Serial No. 267,042. (Model.)

To all whom it may concern:

Be it known that I, GEORGE W. AMOS, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improved Seal-Lock; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of seal-locks for car-doors in which a paper or card seal within view is cut or canceled by the movement of the lock parts while being unlocked; and my present improvement has for its object to provide an improved appliance for such purpose in which are embodied the features of great cheapness and simplicity of construction, a very visible cancellation or cutting of the seal-card, the prevention of the withdrawal of the seal-card after insertion, as well as the prevention of the entry of snow or rain to the interior of the lock, to clog up the same and render it difficult of operation. I attain such objects by the construction and arrangement of parts illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of my improved seal-lock with parts broken away; Fig. 2, a vertical transverse section; Fig. 3, a horizontal transverse section; Fig. 4, a detail rear elevation of a corner of the lock-case; and Fig. 5 is a detail perspective view of my improved knife or cutter employed in canceling the seal-card.

Similar letters of reference indicate like parts in the several views.

Referring to the drawings, A represents the lock-case, of a rectangular flaring shape, as shown; B, the back plate fitting in the taper of such case and flush with the edges of the same. *b* are marginal lugs on said plate B, fitting in marginal recesses *a* in the lock-case, to support and hold the back plate in proper relative position.

C is the face-plate of the lock-case, having a central squared opening closed by a plate of glass, C', which is fitted in a recess in the back of the plate C, formed by a projecting rim, *c*.

D is a back frame for holding the glass plate in position, and, in addition thereto, forming a guide for the vertical axially-moving bolt E,

by means of a pair of parallel inwardly-projecting ribs, *d*, upon which slide a correspondingly-recessed cross-head, F, cast upon or secured to the bolt E. The bolt E moves vertically in the case, and is guided axially in the same by means of a guide-collar, G, at the top of the case, and its cross-head F, filling the interior of the case in a transverse direction and sliding upon the guide-ribs *d*, the lower end of the said bolt being adapted to engage the staple H of an ordinary hasp, I, of a car-door in the usual manner, as indicated in Fig. 1.

The upper end of the bolt E is provided with a dome or bell-shaped cap, J, having a thumb-lug, J', by which it can be engaged to raise and lower the bolt E. This cap is adapted to fit over the upwardly-projecting guide-collar G of the lock-case, to prevent the entrance of snow, &c., to the interior of the lock, the guide collar or rim G and cap J being made seamless or unslitted, as shown, so as to attain such object.

L is the seal-card cutter, fixedly secured in the forward face of the bolt E and projecting into close proximity to the glass plate C'; and, as indicated in Fig. 5, this cutter is made in the form of two knives, connected together by a top plate or web, *l*, as shown, the purpose being to cut a central piece out of the seal-card to render its cancellation more apparent, while the top plate or web, *l*, holds the seal-card down in line with the knives during the cutting operation.

M is the seal-card, of a size adapted to fit in the recess formed by the vertical ribs *d d* and an upper transverse rib, *d'*, on the back frame, D. The card M abuts against the rib *d'* during the cutting operation, while it is supported in place when the car is sealed by resting in the notched cutting-face of the cutter L, as indicated in Fig. 2. The part of the rib *d'* in line with the cutter is cut away to admit of the proper travel of such cutter. The seal-card is introduced in place through an opening, A', in the bottom plate of the lock-case, and this opening is left ample enough to readily permit the cut portions of the card to drop out as the lock is unsealed or opened.

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

1. In a seal-lock, the combination of a vertically-moving bolt, E, having a cross-head adapted to fit the interior of the lock-case transversely, a cutter, L, secured fixedly to said bolt, an opening, A', for the insertion of the seal-card, ribs *d d'*, forming a card-receiving recess, and case A, having a transparent opening, substantially as described, and for the purpose set forth.

10 2. In a seal-lock of the type herein described, the vertically-moving bolt E, provided with a seamless or unslitted bell-shaped cap, J, and the lock-case provided with a pro-

jecting seamless or unslitted guide-collar, G, as described, and for the purpose set forth. 15

3. In a seal-lock of the type herein described, the vertically-moving bolt having a pair of knives composing the cutter, and a card-holding web or plate, *l*, made in one integral piece, for the purpose set forth. 20

In testimony whereof witness my hand this 10th day of March, 1888.

GEORGE W. AMOS.

In presence of—

ROBERT BURNS,

M. H. HOLMES.