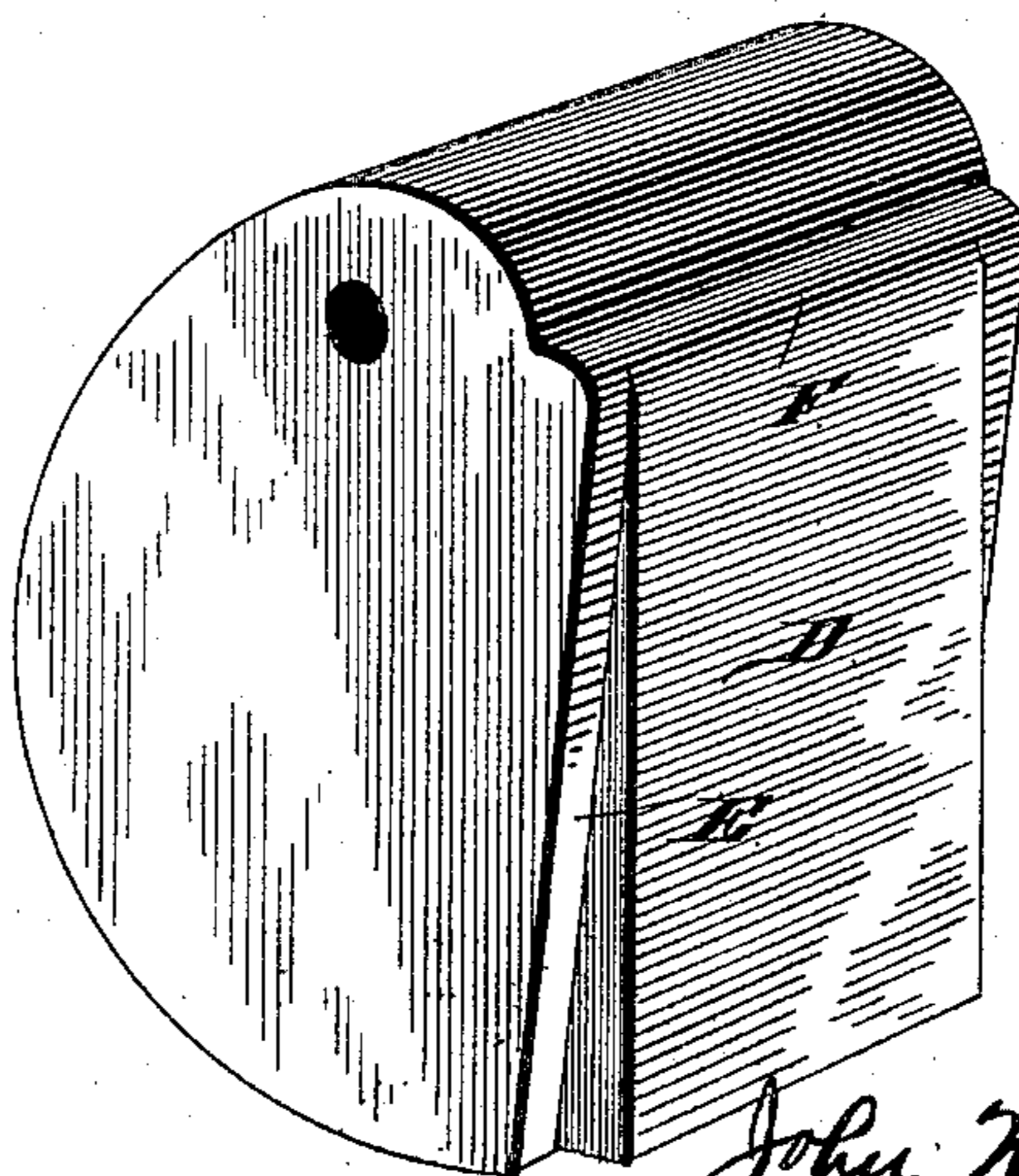
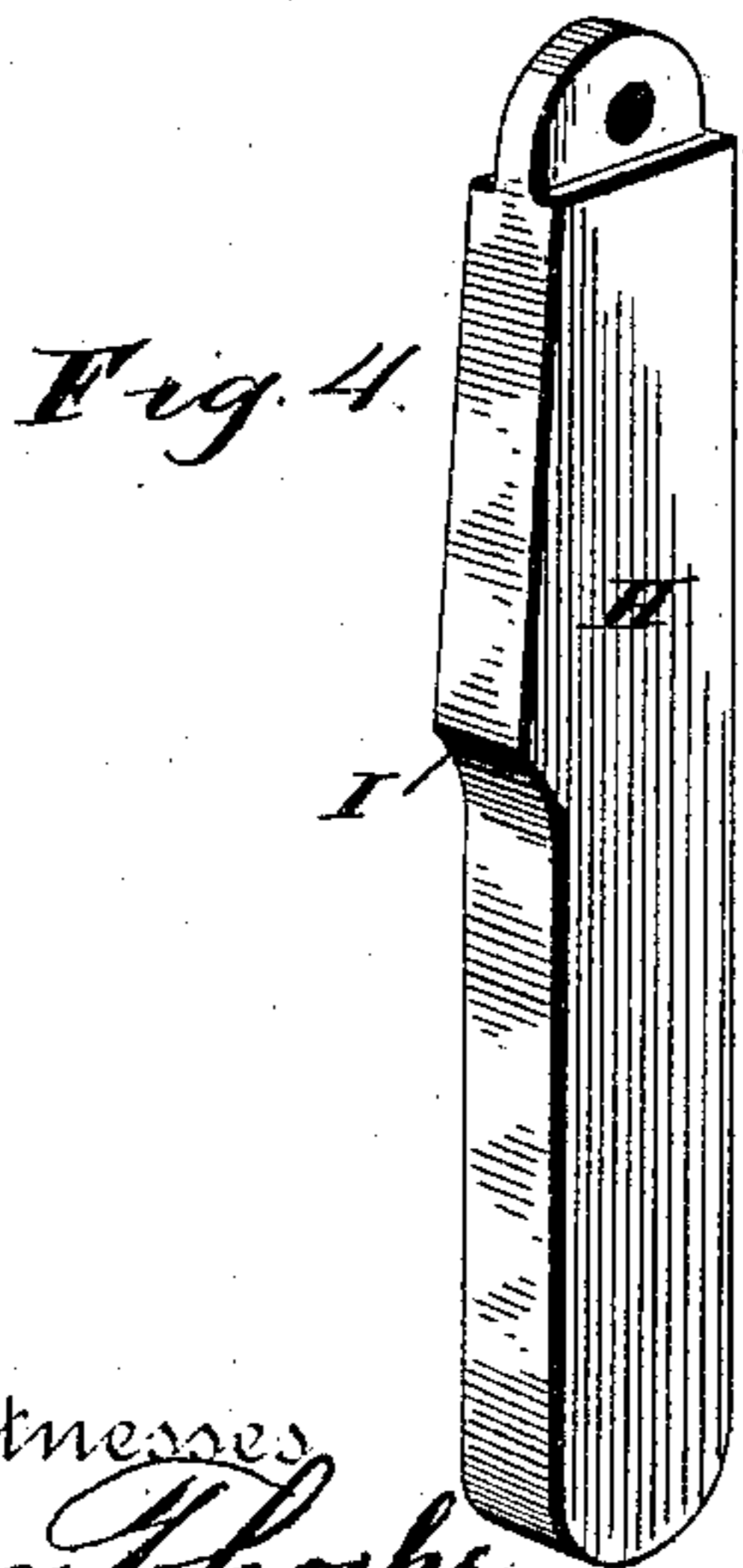
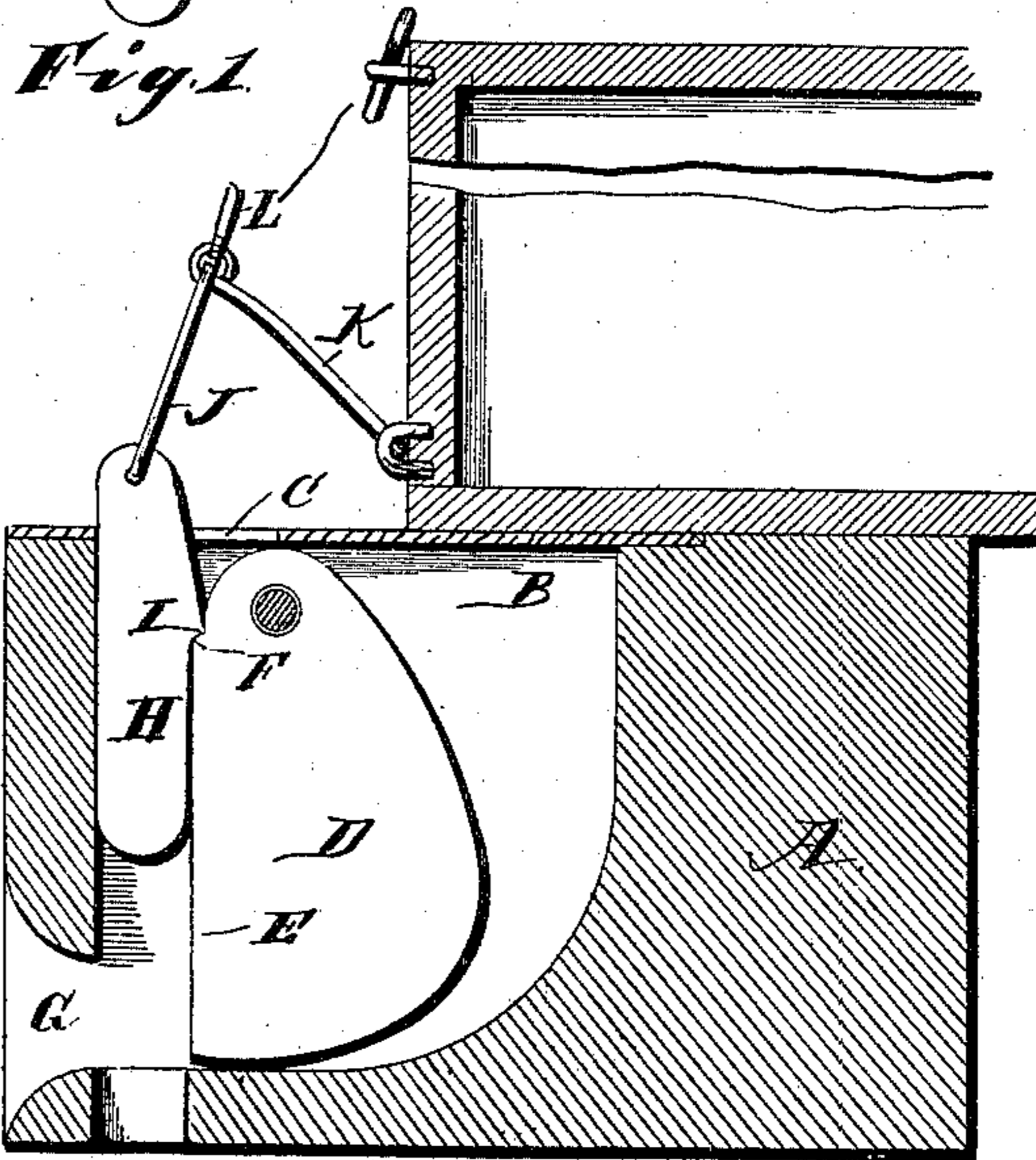
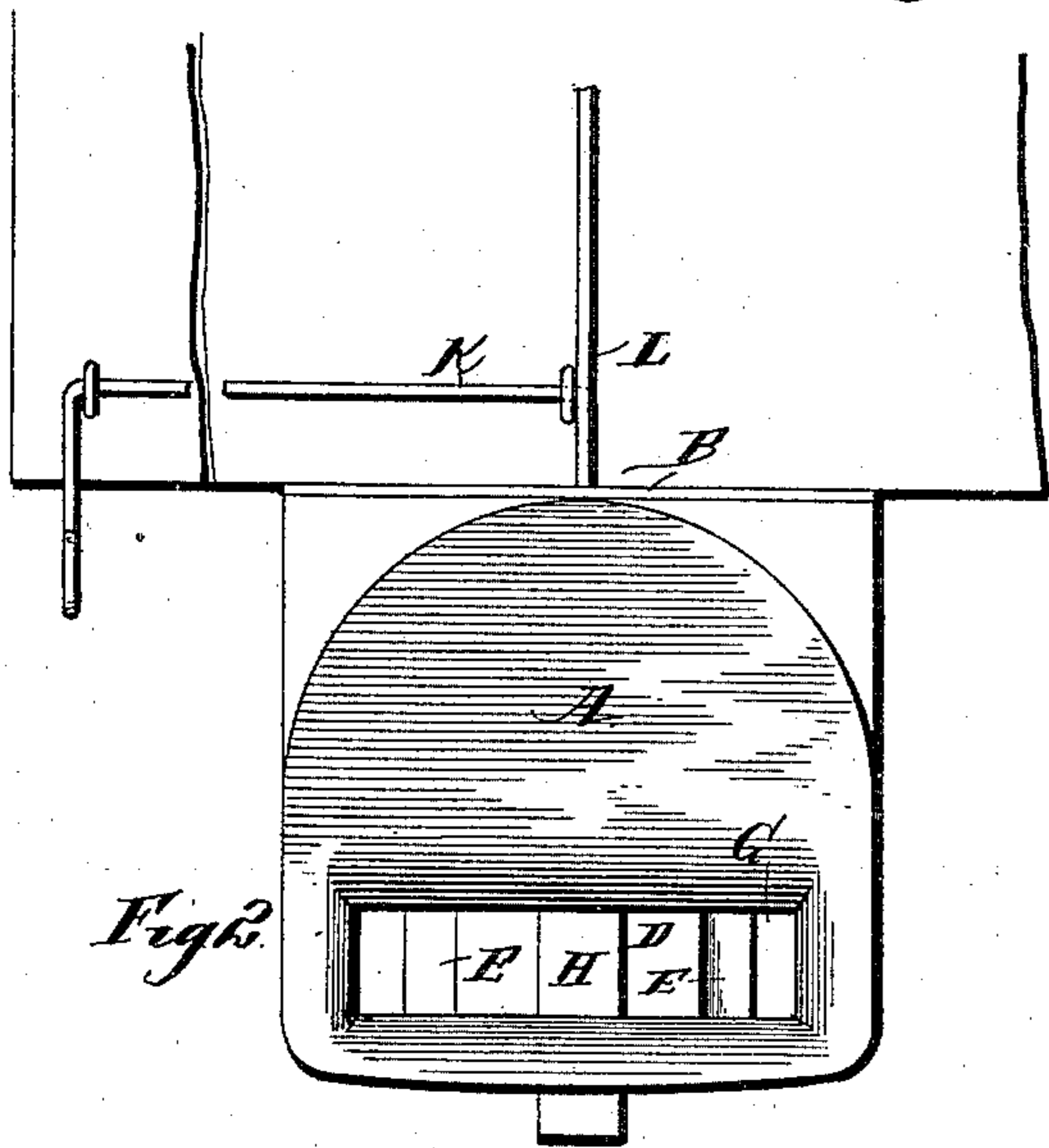
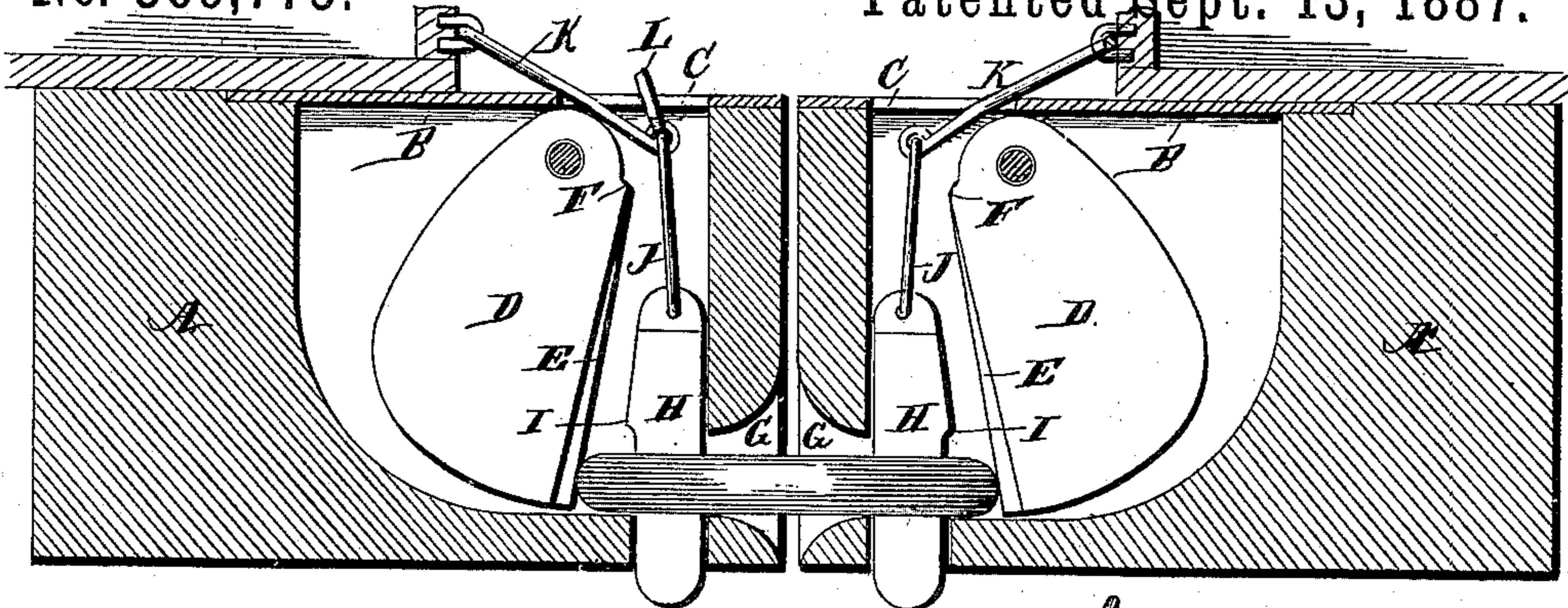


(No Model.)

J. H. CONN.
CAR COUPLING.

No. 369,775.

Patented Sept. 13, 1887.



Witnesses
Geo. Thorpe.
R. H. Bishop.

Inventor
John H. Conn
By his Attorneys
C. A. Howard & Co.

UNITED STATES PATENT OFFICE.

JOHN H. CONN, OF ENGLEWOOD, ILLINOIS.

CAR-COUPLING.

SPECIFICATION forming part of Letters Patent No. 369,775, dated September 13, 1887.

Application filed July 2, 1887. Serial No. 243,234. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. CONN, a citizen of the United States, residing at Englewood, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Car-Couplings, of which the following is a specification.

My invention relates to improvements in car-couplings; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, which fully illustrate my invention, Figure 1 is a vertical longitudinal section showing two draw-heads coupled together. Fig. 2 is an end view of one of the draw-heads. Fig. 3 is a longitudinal section of one of the draw-heads, showing the pin in its uncoupled position. Fig. 4 is a detail perspective view of the coupling-pin, and Fig. 5 is a detail perspective view of the tumbler.

Referring to the drawings by letter, A designates the draw-head secured to the under side of the car, at the end of the same, in the usual or any preferred manner. The upper side or top of the draw-head is cut away for the insertion of the tumbler, and the space thus formed is covered and closed by a plate, B, having a slot, C, at its forward end, through which the coupling-pin works. A tumbler, D, is hung in the draw-head just in rear of the slot in which the coupling-pin works, and has the forwardly-extending front face, E, which projects normally in the path of the pin and has the shoulder or ridge F across its upper end. The front end of the draw-head is closed, and is provided near its lower edge with a transverse slot, G, of sufficient width to admit the end of the coupling-link. The coupling-pin H is provided on its rear side with a transverse shoulder, I, which engages the shoulder F of the tumbler, as clearly shown in Fig. 3, and thereby supports the pin in position to drop into engagement with the link. The upper end of the pin is connected by a link, J, to a crank-shaft, K, journaled on the end of the car and extending to the side of the same, so that the device can be uncoupled without going between the cars.

L is a rod connected to the crank-shaft K and extending to the top of the car, so that the device may be operated from that point, if so desired.

The operation of my device will be readily understood. The link is secured in one draw-head and the draw-heads brought together. The free end of the link entering the uncoupled draw-head will push the tumbler backward, thereby releasing the pin, which instantly drops into engagement with the link, as will be understood. To uncouple, it is necessary only to release the pin in one draw-head from the link, when the link will be drawn out of the draw-head and the tumbler will automatically swing forward into position to support the pin.

It will be observed that the device is very simple and is entirely automatic in its operation, thus dispensing with the necessity of the brakeman going between the cars and endangering life and limb.

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

1. The combination of the draw-head having its front end closed and provided with a transverse slot, G, in its lower portion, the tumbler pivotally supported in the draw-head, the link entering the draw-head through the slot G, and the pin supported by the tumbler and adapted to engage the link, substantially as set forth.

2. The combination of the draw-head having its interior cut away or recessed, the tumbler hung in said recessed portion, the plate B, covering the same, and having a slot, C, near its front end, and the pin passing through said slot C and supported by the tumbler, substantially as specified.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN H. CONN.

Witnesses:

F. E. MICK,
C. CURTIS.