

(No Model.)

R. G. DUDLEY.

BURGLAR ALARM.

No. 267,503.

Patented Nov. 14, 1882.

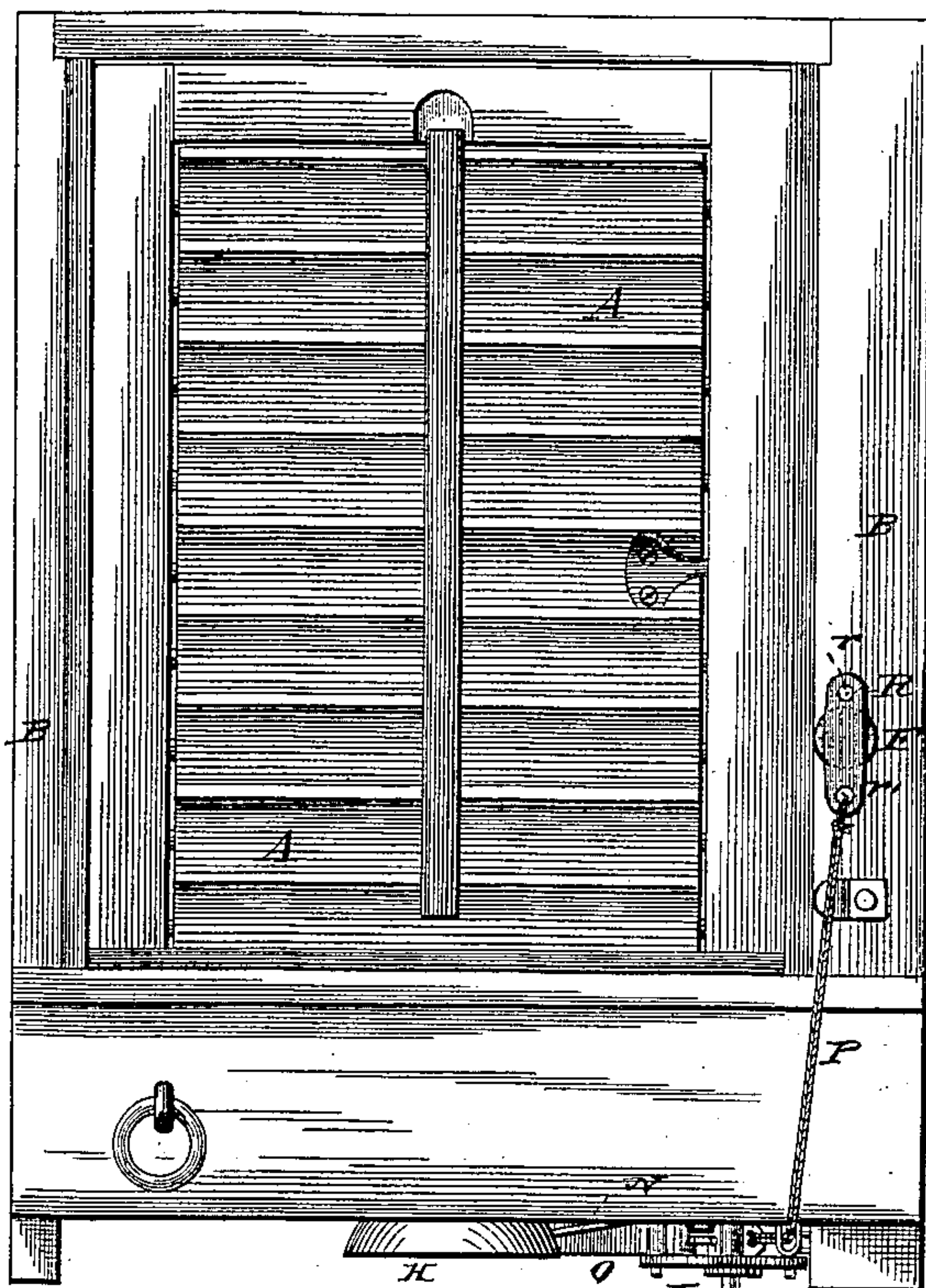


Fig. 1.

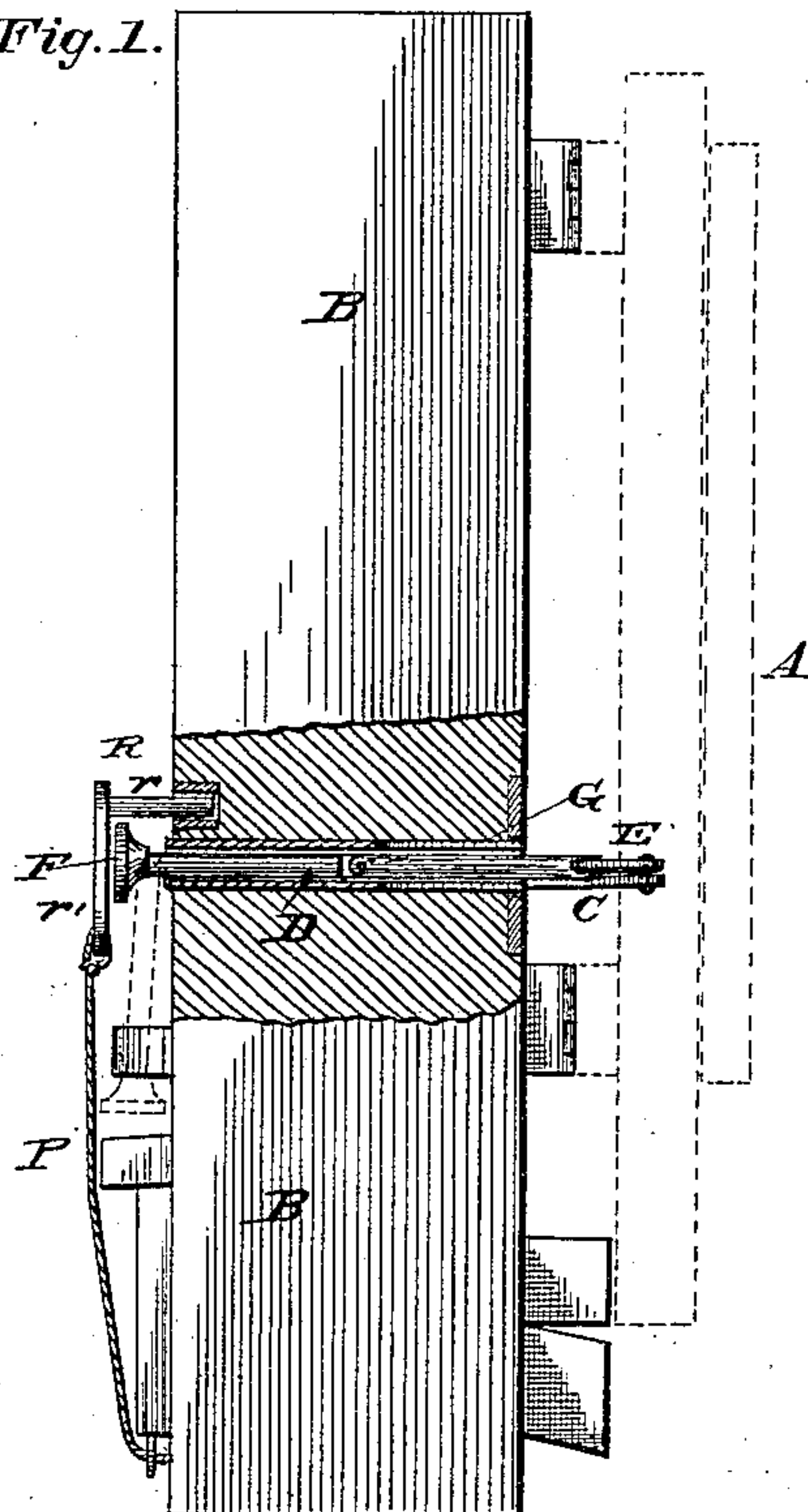


Fig. 2.

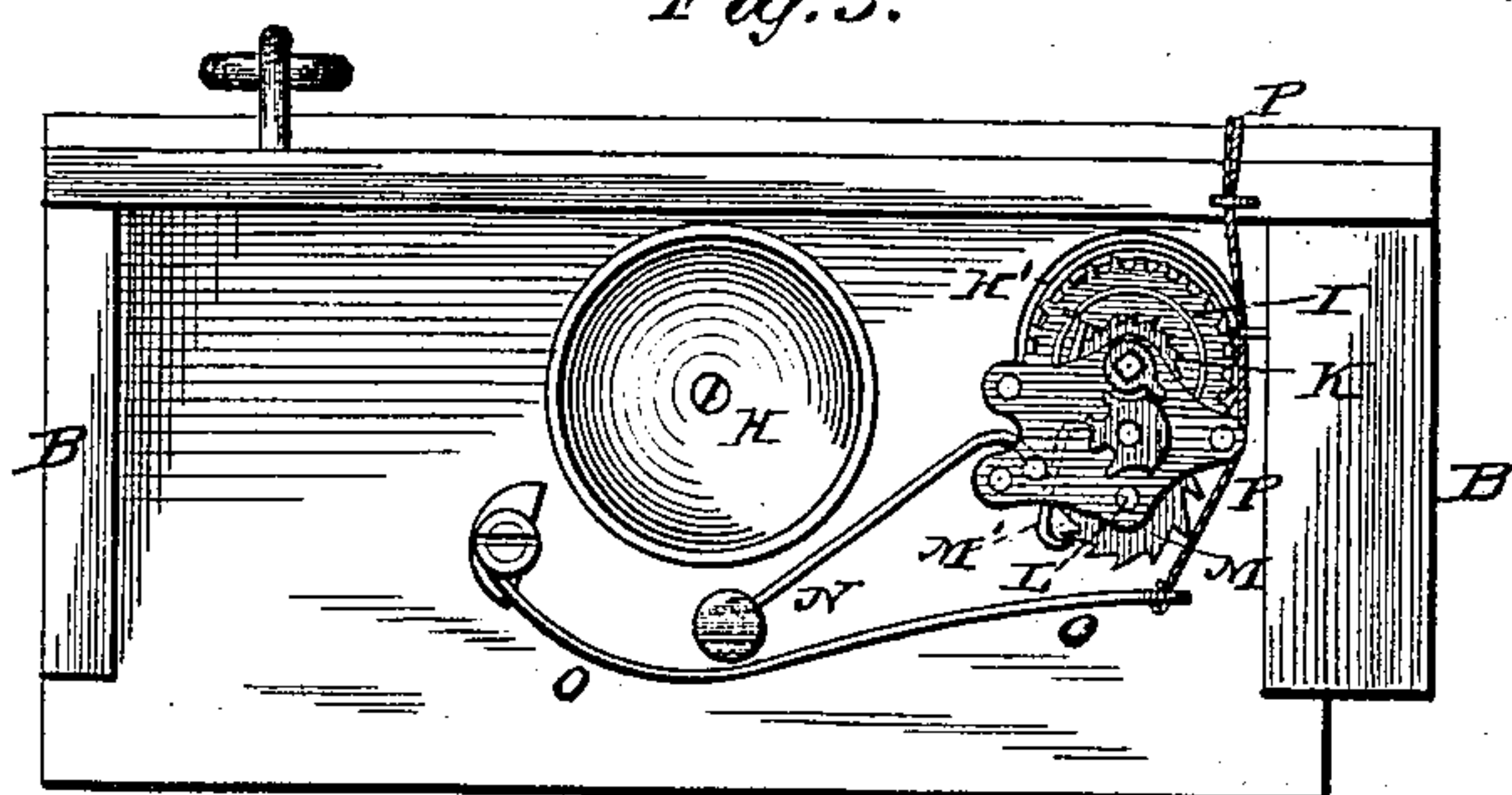


Fig. 3.

Fig. 4.

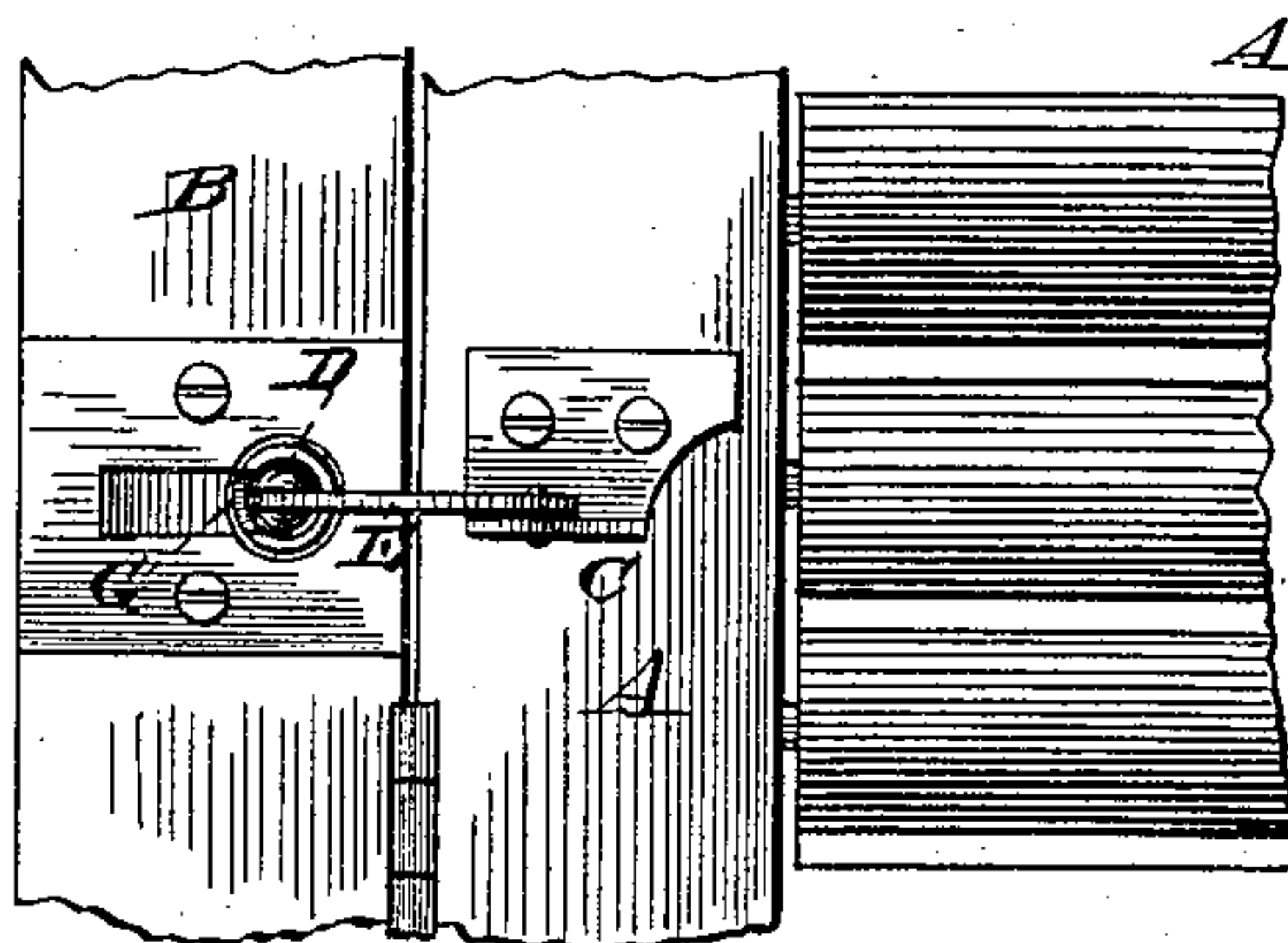
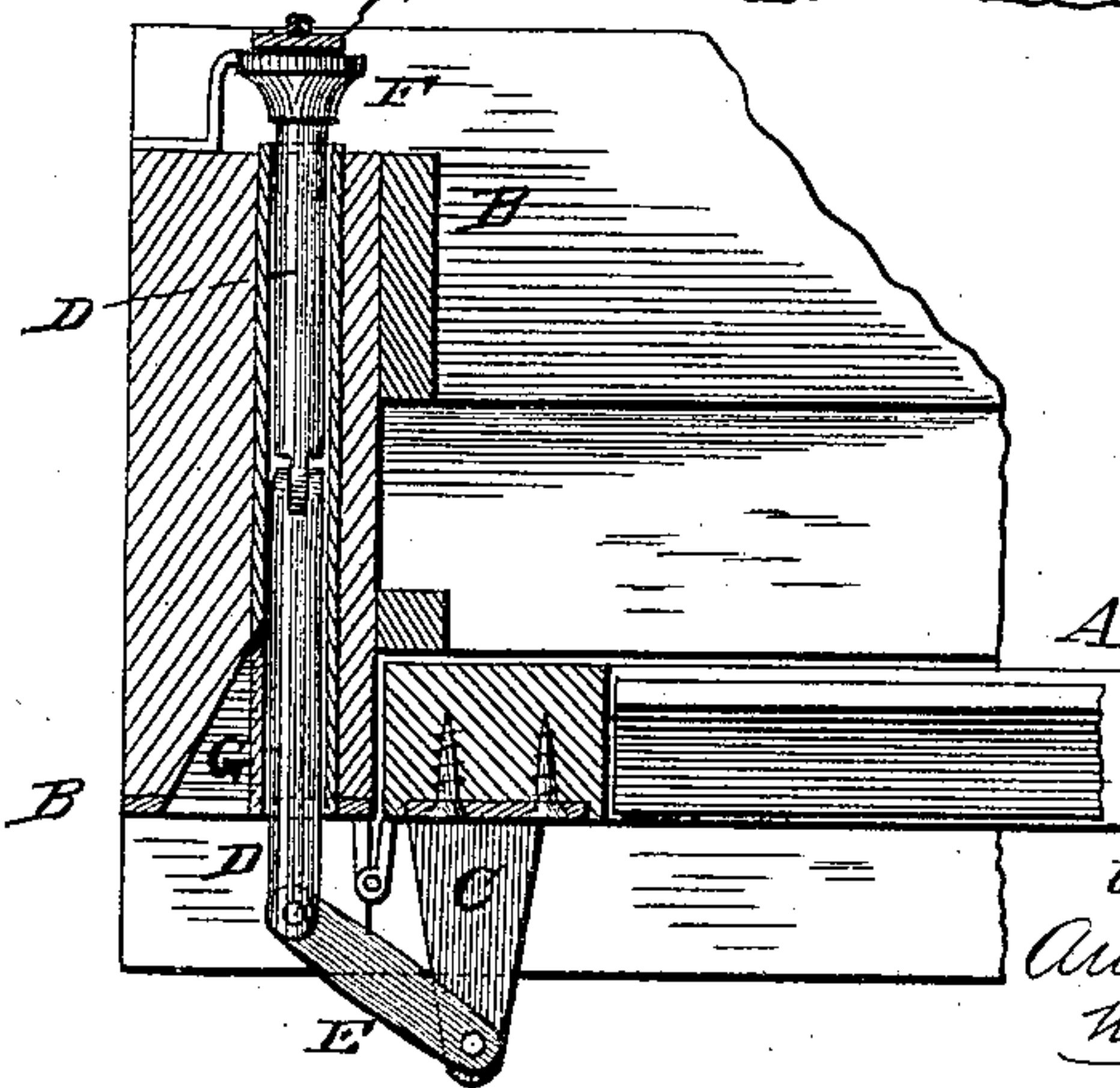


Fig. 5.



Witnesses:
Philip Lemasi.
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by
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UNITED STATES PATENT OFFICE.

RUSSEL G. DUDLEY, OF JERSEY CITY, NEW JERSEY.

BURGLAR-ALARM.

SPECIFICATION forming part of Letters Patent No. 267,503, dated November 14, 1882.

Application filed June 17, 1882. (No model.)

To all whom it may concern:

Be it known that I, RUSSEL G. DUDLEY, a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and valuable Improvement in Shutter-Workers and Burglar-Alarms; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a front view of my device. Fig. 2 is a side view, in part sectional. Fig. 3 is a bottom plan view. Figs. 4 and 5 are detail views.

This invention relates to shutter-workers and burglar-alarms; and it consists in the construction and novel arrangement of parts, as will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings, A indicates an ordinary window-shutter, and B the usual jamb or casing.

A bracket, C, secured to the shutter above its lower hinge, or formed upon one of the leaves of the lower hinge, projects laterally from the shutter, and is connected with a jointed rod, D, by means of a link, E. This jointed rod slides in an opening formed through the window frame or casing, or in a tube inserted in said opening, and is provided with a knob, F, upon the end of its inner joint or section. The opening is enlarged laterally at the outer side of the frame, so that when the shutter is swung open the link can enter said enlarged portion of the opening, and where the jointed rod slides in a tube the latter will have a slot, G, at its outer end for the passage of the link when the shutter is swung open and the link turned at an angle to the jointed rod.

It will be seen that when the shutter is open it can be readily closed by pushing the knob on the jointed rod toward the window-casing.

Below the sill or upon the door or window, or in any other convenient locality, I arrange

the alarm mechanism, which comprises a clock mechanism with a striking-hammer, a bell, H, and a device for holding and releasing the striking hammer.

The clock mechanism herein shown comprises the usual spring, H', gear I, and spring-pawl and ratchet K upon the arbor carrying the spring, the said gear being arranged to engage a pinion upon the spindle L, carrying a spur-wheel, M, which actuates the pawl M'. This pawl is fixed upon a rock-shaft, which latter carries the striking-hammer N. The spring is wound up in the usual way, and a spring, O, secured at one end and at its remaining end connected with a wire or cord, P, is brought up against the striking-hammer to prevent the same from acting. The spring is thus brought against the hammer by drawing upon the cord, and it is maintained in such position by means of a stop, R, which is engaged with the window-frame. This stop consists of a pin, r, which is inserted in an opening in the frame just above the knob, and a plate, r', which, when the knob is pushed up to the frame, lies against the face of the knob. If, now, the shutter is opened, the jointed rod will be moved back and the knob disengage the stop from the frame, whereby the spring will free the striking-hammer and thus allow it to vibrate and strike the bell or gong, which will be sounded and give notice that the shutter has been opened. After the jointed rod has been pushed back to its farthest extent, its inner joint or section will drop down along-side of the frame.

The alarm mechanism can be inclosed in any suitable box or case conveniently located.

A jointed rod working in an opening in the casing of a window and connected to the hinge by a link is not new, and is not broadly claimed herein.

Having thus described my invention, what I claim is—

The combination, with the sliding rod connected by a link or joint with the shutter, of the alarm mechanism provided with a bell or gong and a striking-hammer, a device for holding and releasing the hammer, and a stop connected with said holding and releasing de-

vice, and adapted to be engaged with the window-frame and brought into contact, when so engaged, with the knob on the inner end of the sliding rod, whereby when the shutter is
5 swung open the knob will disengage the stop, and the hammer be thereby released, substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

RUSSEL G. DUDLEY.

Witnesses:

WILLIAM H. CORBIN,
BENJAMIN AYERIGG, Jr.