

J. F. BALDWIN.
Till-Alarms.

No. 139,530.

Patented June 3, 1873.

Fig. 1.

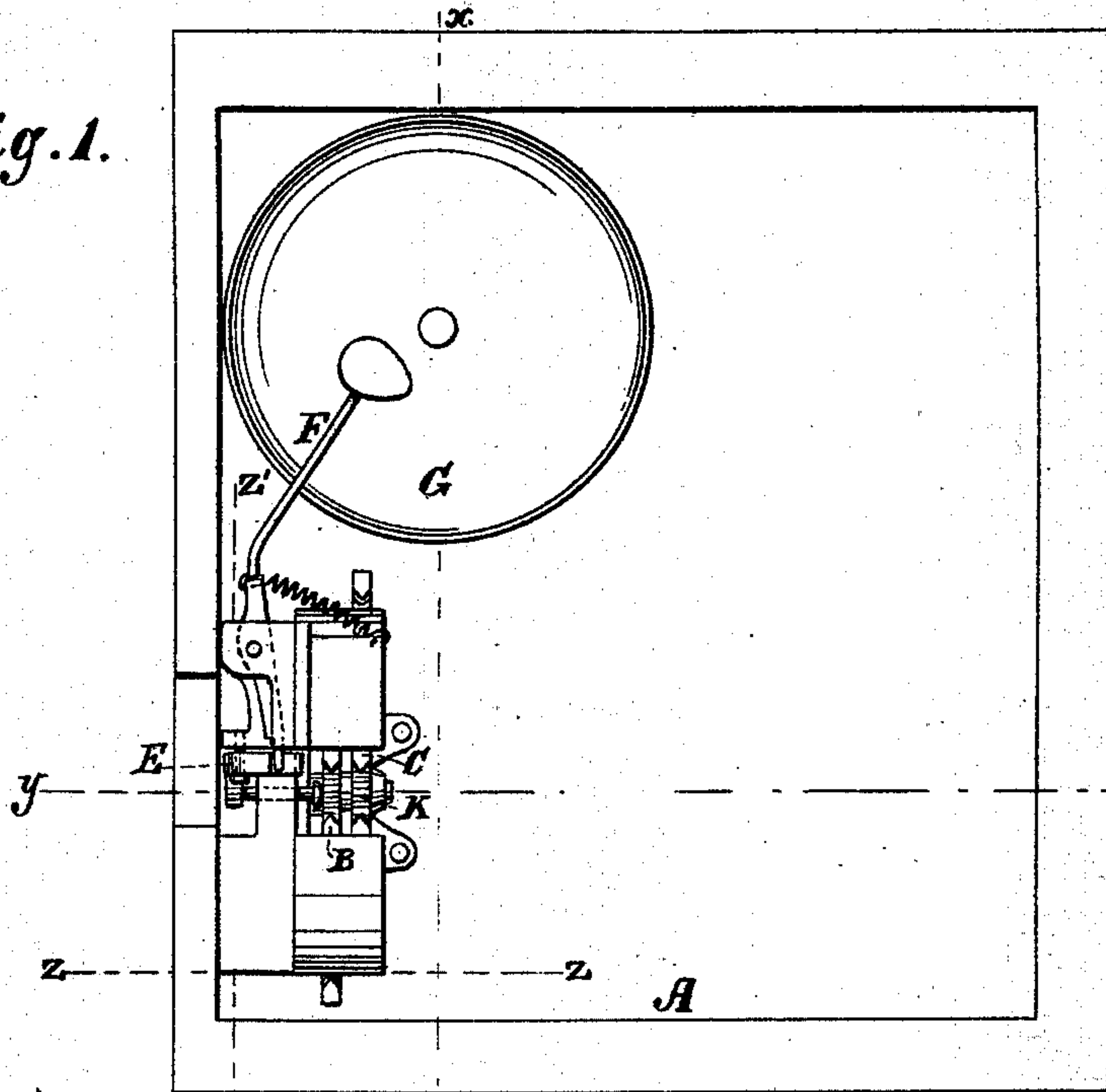


Fig. 4.

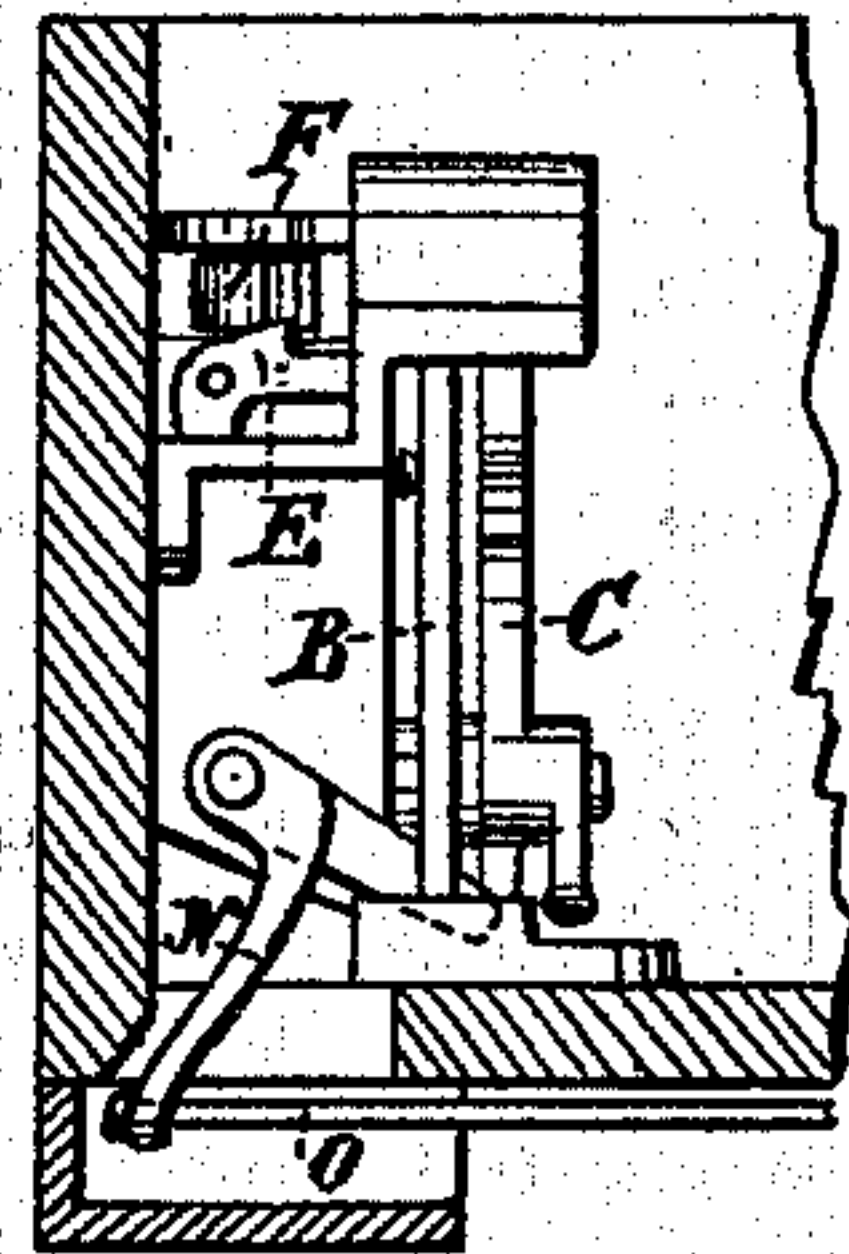


Fig. 2.

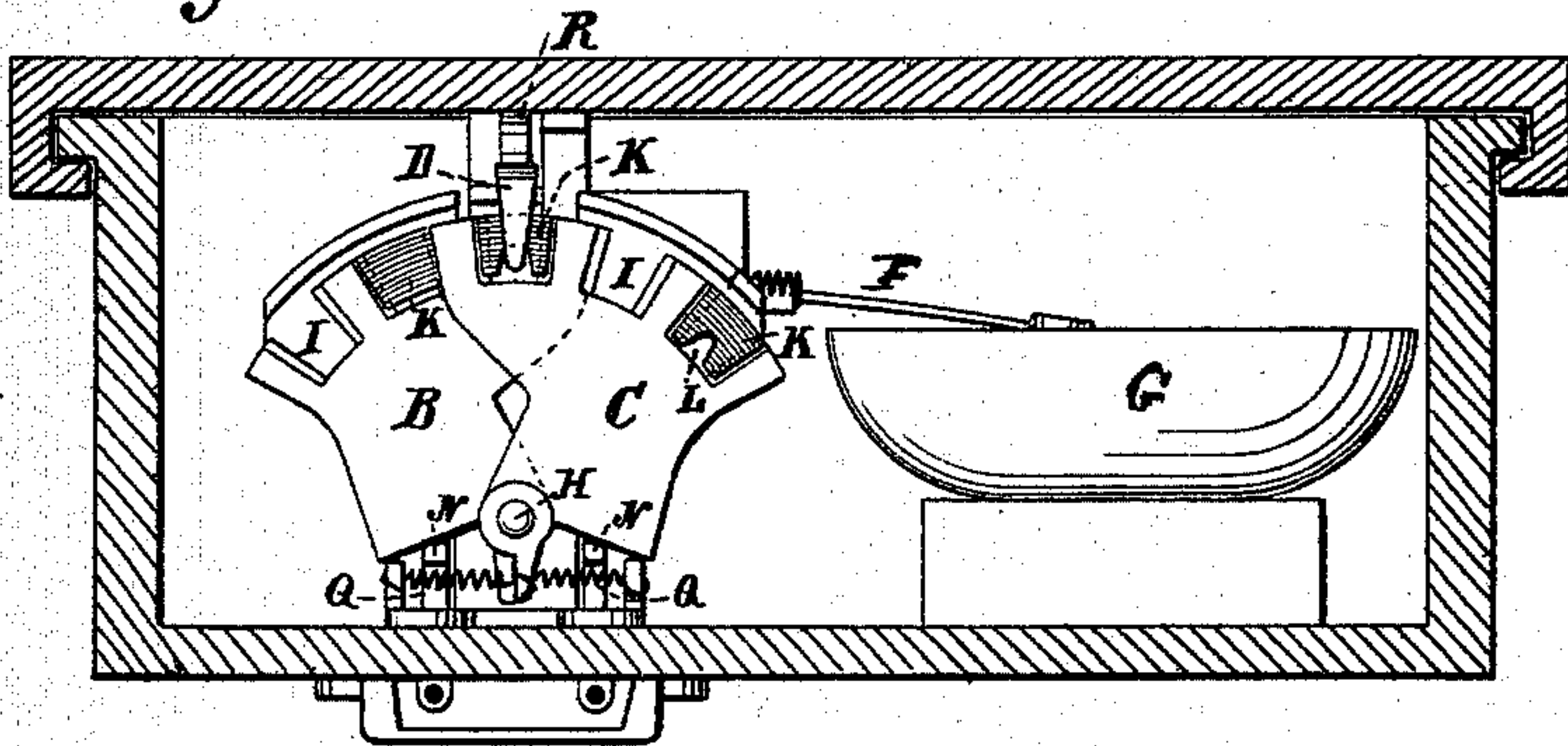


Fig. 5.

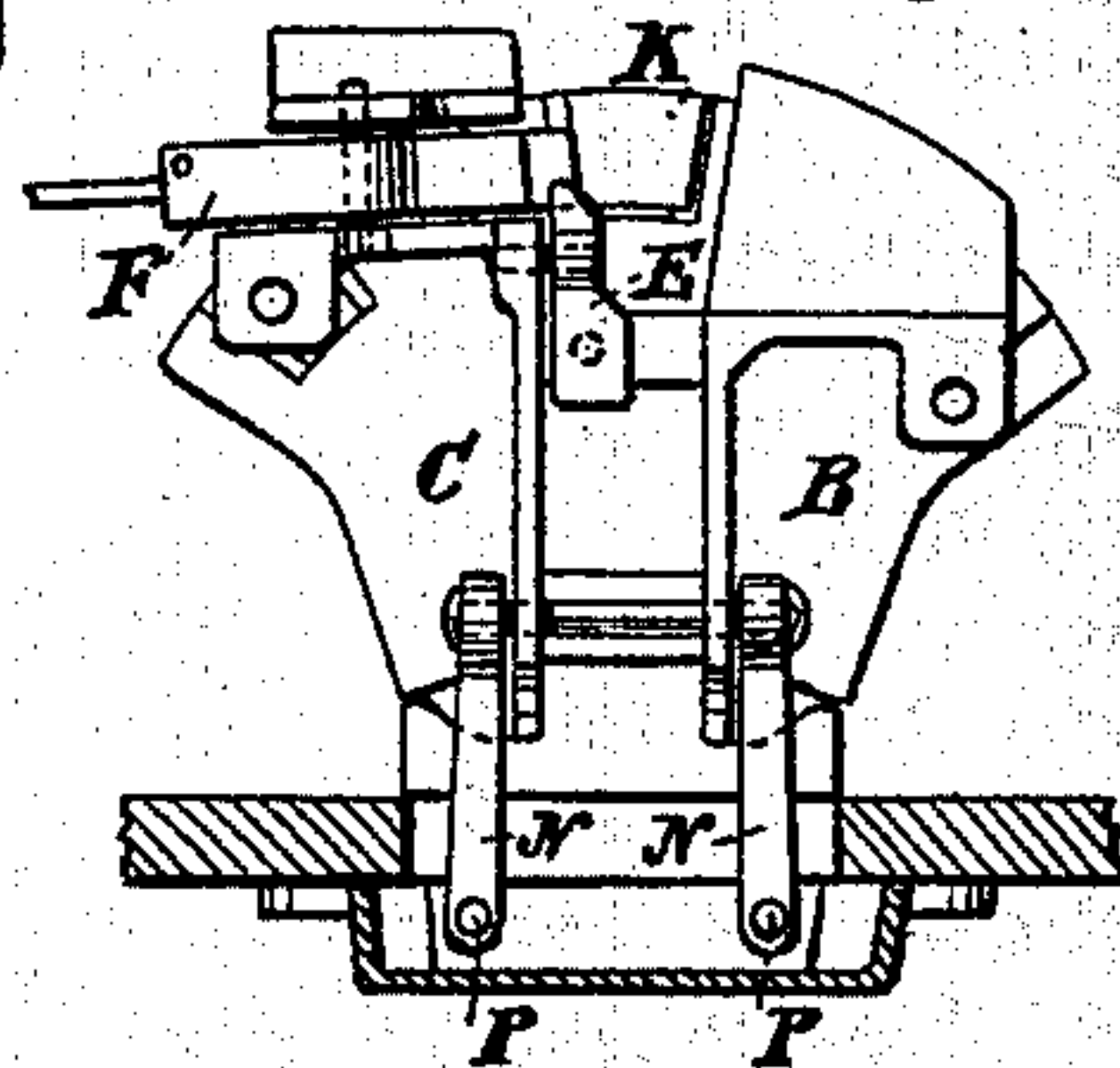
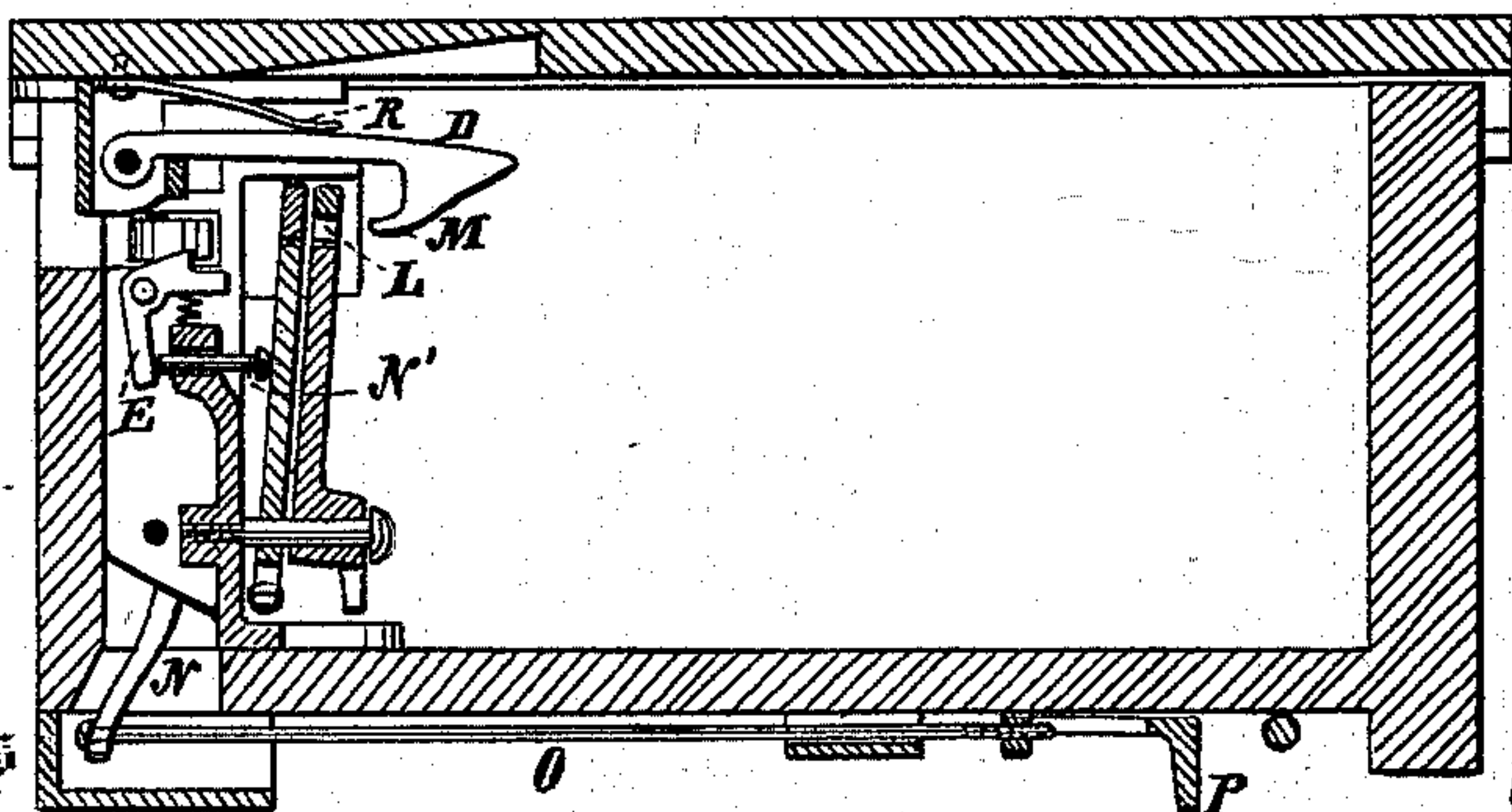


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN F. BALDWIN, OF NASHUA, NEW HAMPSHIRE, ASSIGNOR TO HIMSELF
AND MILES ALARM TILL MANUFACTURING COMPANY, OF PROVIDENCE,
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IMPROVEMENT IN TILL-ALARMS.

Specification forming part of Letters Patent No. **139,530**, dated June 3, 1873; application filed
March 29, 1873.

To all whom it may concern:

Be it known that I, JOHN F. BALDWIN, of Nashua, in the county of Hillsborough and State of New Hampshire, have invented a new and Improved Alarm Drawer-Lock, of which the following is a specification:

My invention consists of one or more plates or disks setting up in a plane parallel with the drawer-front, on pivots, and having notches in the curved upper edges, which have to be brought in the line of a hook on a stationary support above the drawer by the pull-rods, to allow the plates to pass the hook to open the drawer without sounding the alarm. The plates have several notches in the edge, and all but one are fitted with removable pieces, which can be shifted from one notch to the other to change the combination. When two plates are used they will swing in opposite directions, and their open notches must coincide with each other as well as the hook, to allow the drawer to be opened. When an attempt is made to open the drawer by one not knowing the adjustment, the hook will push one of the plates against the trip-lock of the bell-hammer and free it so as to sound the alarm.

Figure 1 is a plan view of a drawer with an alarm-lock constructed according to my invention. Fig. 2 is a transverse sectional elevation taken on the line *xx* of Fig. 1. Fig. 3 is a longitudinal sectional elevation taken on the line *yy* of Fig. 1. Fig. 4 is a section on the line *zz*, and Fig. 5 is a section on the line *z' z'*.

Similar letters of reference indicate corresponding parts.

A represents the drawer; B and C, the notched swinging plates; D, the hook; E, the trip-catch of the bell-hammer; F, the bell-hammer; and G the bell.

These plates, or disks as they may be, are pivoted at H, so as to swing vertically in front of the back board of the drawer, in a plane parallel with it.

I represents the notches in the upper curved edges, to be swung in front of the hooks, to allow the plates to pass it for opening the drawer without sounding the alarm. K represents the notch-closing pieces for changing

the combination. They are grooved in the edges, and the edges of the sides of the notches are beveled to fit in said grooves, so that the notch-closers can be put in and taken out readily, and will be retained without fastening so long as they do not turn below the pivots of the plates. The notch-closers of the front plate have a notch, L, through which the point M of the hook passes when the plates are not turned rightly for bringing the notches in front of the hook to bear against the hindmost plate, which is capable of swinging back, to cause it to push the trip-catch E back by a push-pin, N', to release the hammer. For swinging these notched plates when the drawer is to be opened a bell-crank, N, and a pull-rod, O, are arranged with each plate, the pull-rods extending under the bottom of the drawer to the front, or nearly so, where a pull-piece, P, is fixed to each, so as to be reached easily from the front. The plates are thrown back by springs Q. When the drawer is closed the hook rises up over the plates at the top, and is thrown down in front by a spring, R. One or more of these plates may be used according to this plan, but generally two will be preferred.

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

1. The combination of one or more swinging notched plates, B C, notch-closers K, a hook, D, and an alarm mechanism, substantially as specified.
2. The notched closers of the front plate or plates, provided with a notch, L, and the hook with a point, M, to operate in the manner described.
3. The rear plate, arranged to be pushed back by the hook against the push-pin N' of the trip-catch, substantially as specified.
4. The arrangement of the pull-rod O, bell-crank N, and the plates B C, substantially as specified.

JOHN F. BALDWIN.

Witnesses:

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