

(No Model.)

P. P. BELT.
KEY AND SOUNDER.

No. 318,854.

Patented May 26, 1885.

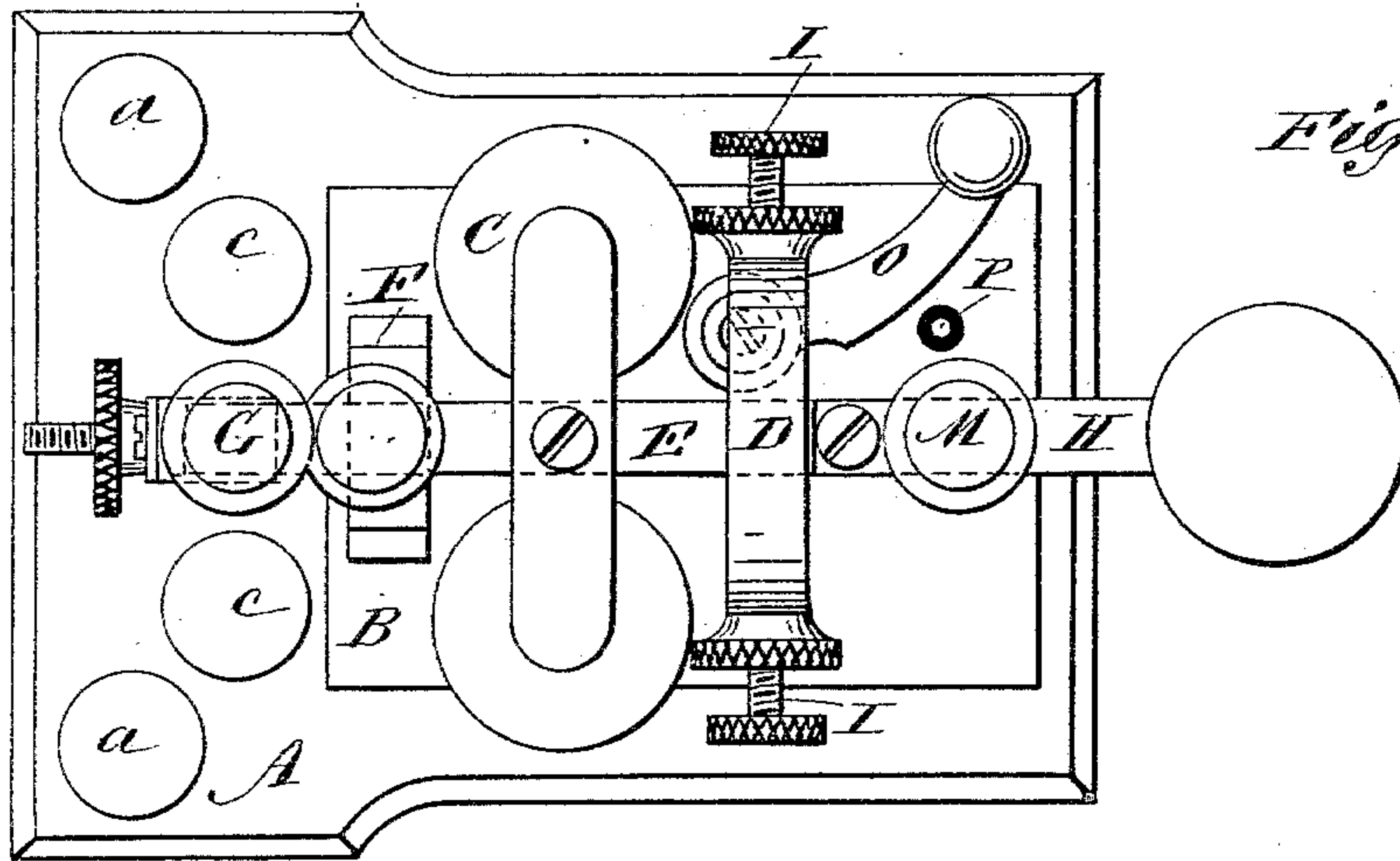


Fig. 1

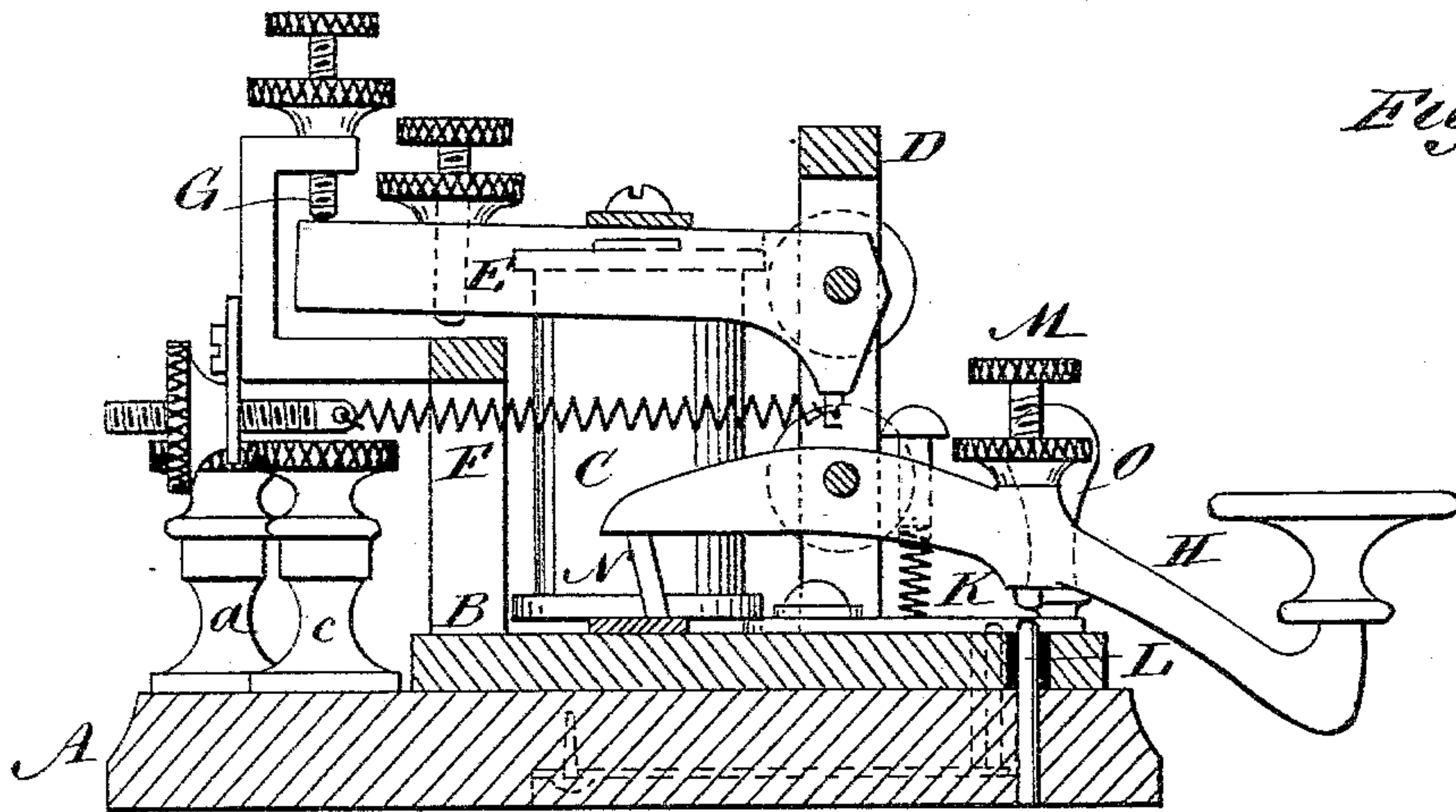


Fig. 2

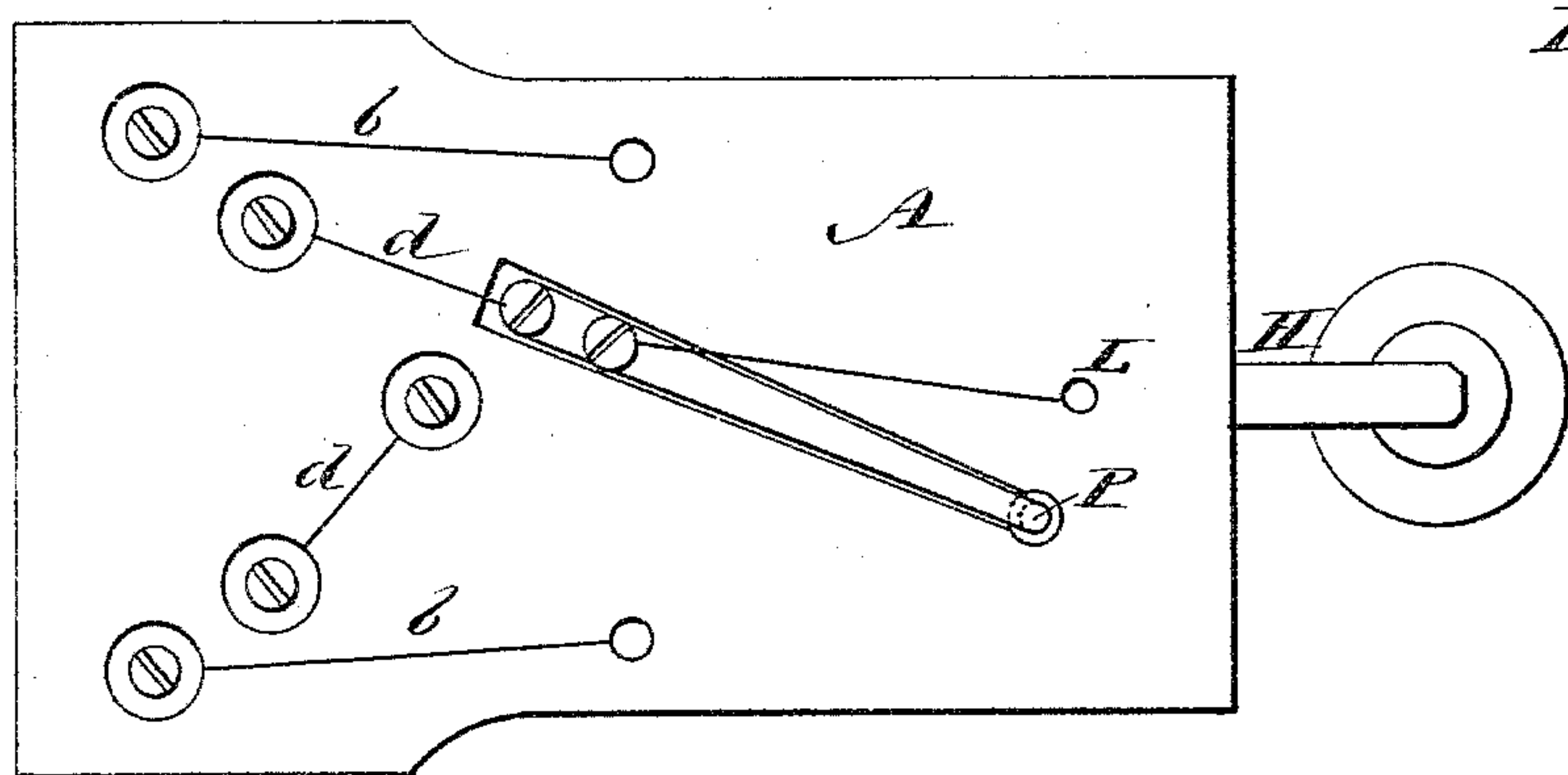


Fig. 3

WITNESSES:

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UNITED STATES PATENT OFFICE

PERLEY P. BELT, OF COLUMBUS, KANSAS.

KEY AND SOUNDER.

SPECIFICATION forming part of Letters Patent No. 318,854, dated May 26, 1885.

Application filed November 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, PERLEY P. BELT, of Columbus, in the county of Cherokee and State of Kansas, have invented a new and Improved Combined Telegraph Key and Sounder, of which the following is a full, clear, and exact description.

The invention consists of the combination of parts and their construction, substantially as hereinafter fully set forth and pointed out in the claim.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the improved instrument. Fig. 2 is a section on line *xx* of Fig. 1, and Fig. 3 is an inverted plan showing the connections.

A is the wooden base of the instrument.

B is the metal plate on the base, upon which are mounted the magnet C and arch D.

E is the sounder-tongue, hung on arch D, and F is a post carrying the contact-screw G of the sounder. These parts constitute a sounder of ordinary construction.

H is the finger-key hung on arch D by trunnion-screws I I.

K is the spring of the key, L the front contact-point insulated from the base, and M the adjusting-screw of the key. The rear end of the key extends between the helices of the magnet and has a stop projection, N, taking on the connecting-piece of the magnet, so as to serve as a back point.

O is the switch, and P its anvil or connecting point.

The two binding-posts *a a* are connected to

sounder-magnet C by wires *b*. The posts *c c* for the finger-key connect by wires *d d* to metal base B and the front contact, L, the latter connection extending also to the switch-anvil P. These connections are for use when a relay is required; but for a local sounder on short lines only two posts are required.

The key H may extend out in the opposite direction to that shown, or at the back of the instrument.

This instrument is very compact and occupies no more space than an ordinary sounder, besides being less expensive than separate instruments.

I am aware of the fact that it is not new to assemble upon the same base a sounder or receiver and a transmitter or key, the latter being pivoted in the arch of the former.

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

The combined sounder or receiver and transmitter, comprising the sounder E, disposed between the helices of the magnet C and beneath the upper connecting-bar of said helices, said sounder being pivoted at its inner end in the arch D, the post F, supporting the adjusting-screw of the sounder and the sounder-tension-spring adjusting-screw, and the key H, pivoted in the sounder-arch, and having one end resting upon a point, N, of the lower cross-piece of the magnet-helices, together with the main line and local battery binding-posts, substantially as set forth.

PERLEY P. BELT.

Witnesses:

JOHN N. RITTER,
F. M. WOODARD.