

No. 686,135.

Patented Nov. 5, 1901.

U. G. ROGERS.
ELECTRICAL SOUNDER.

(Application filed Apr. 17, 1901.)

(No Model.)

Fig. 1

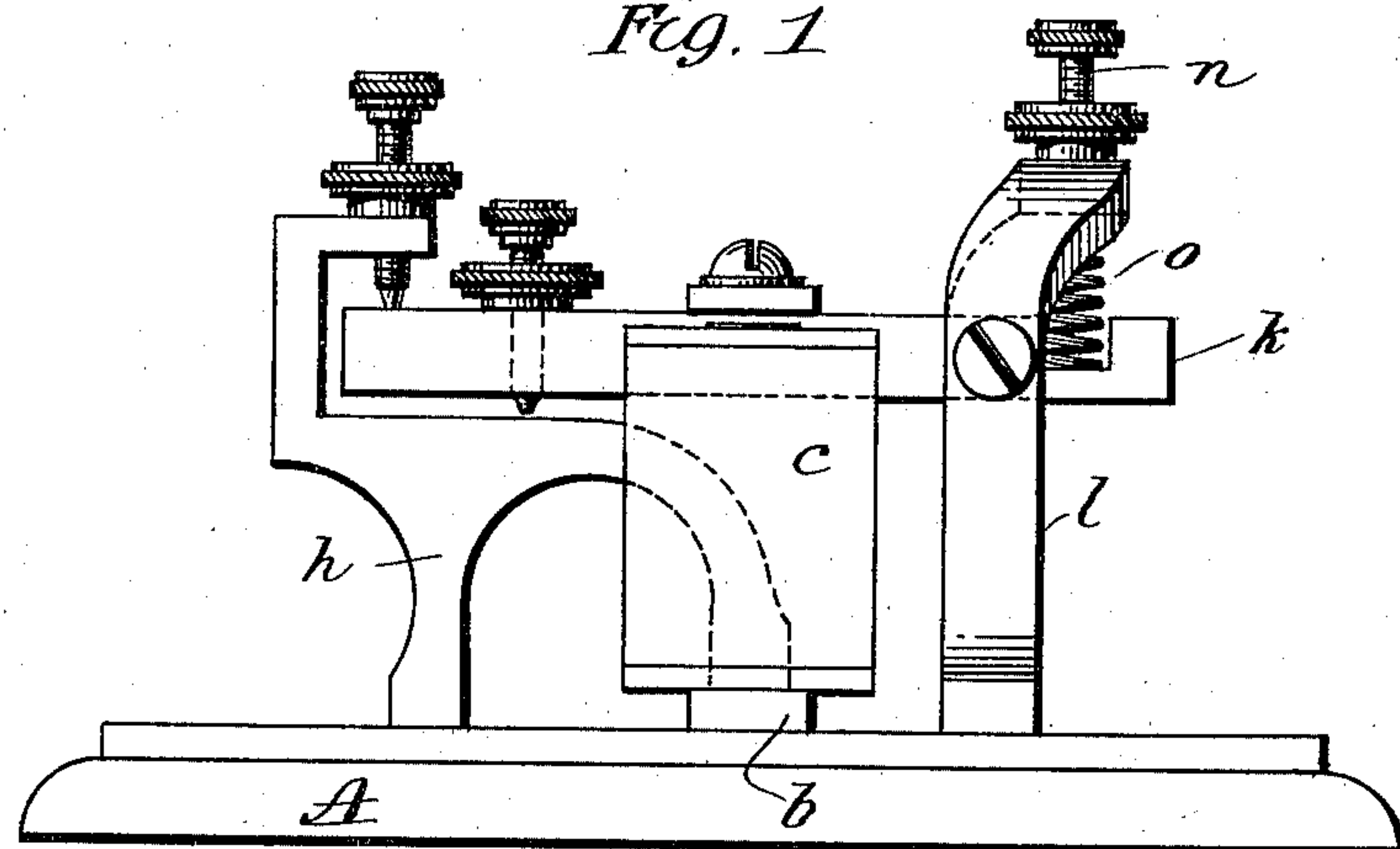


Fig. 2.

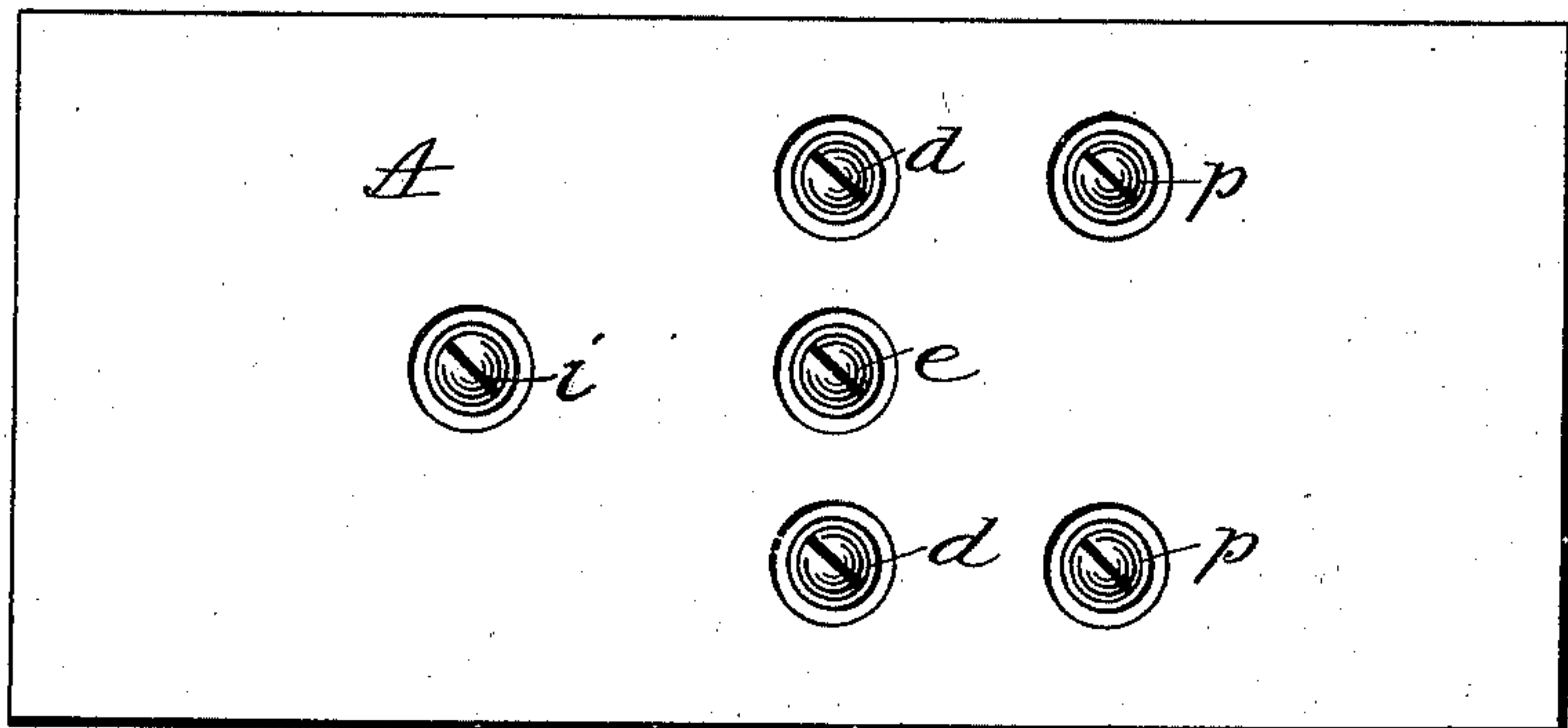


Fig. 3.

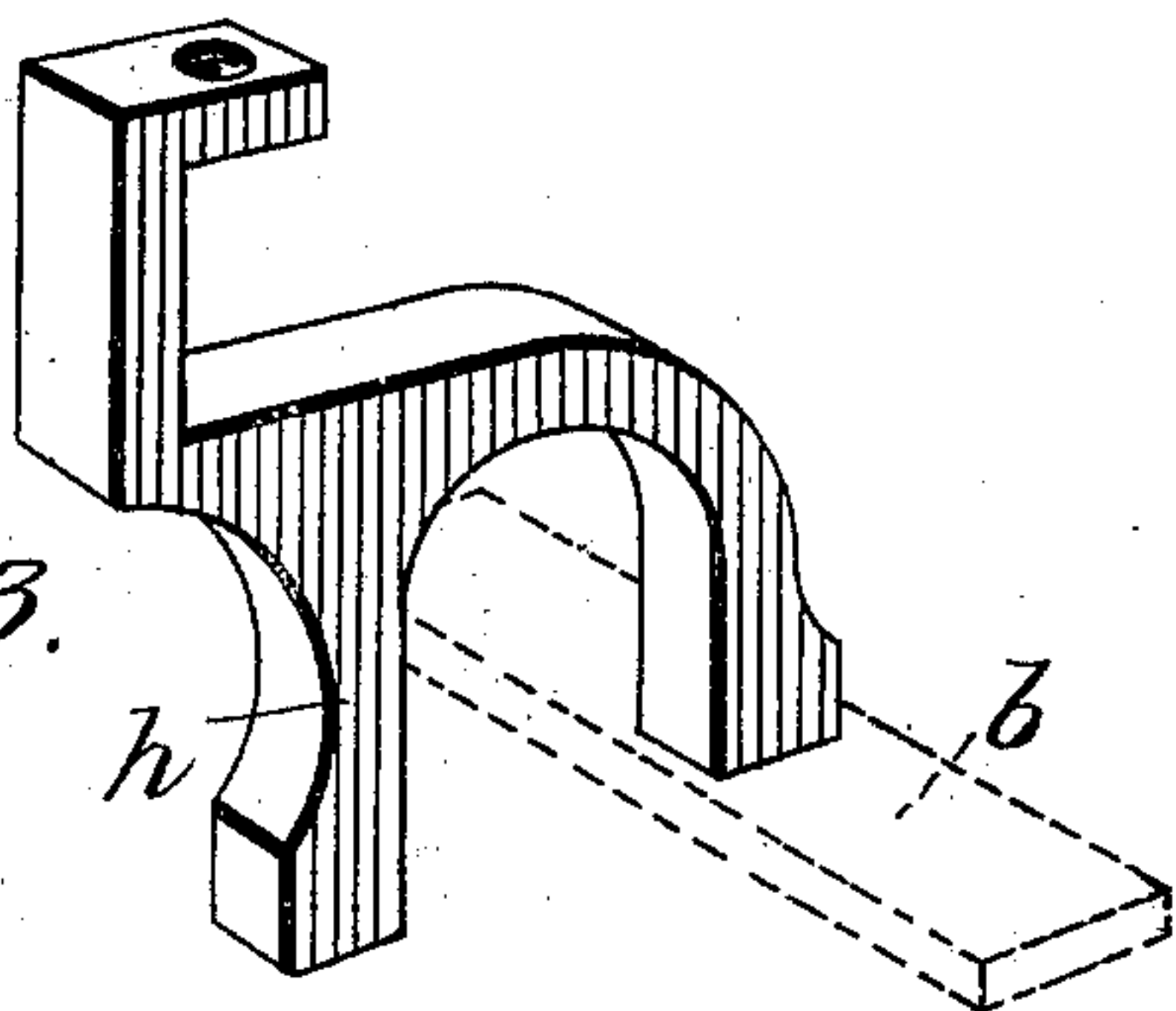


Fig. 4.

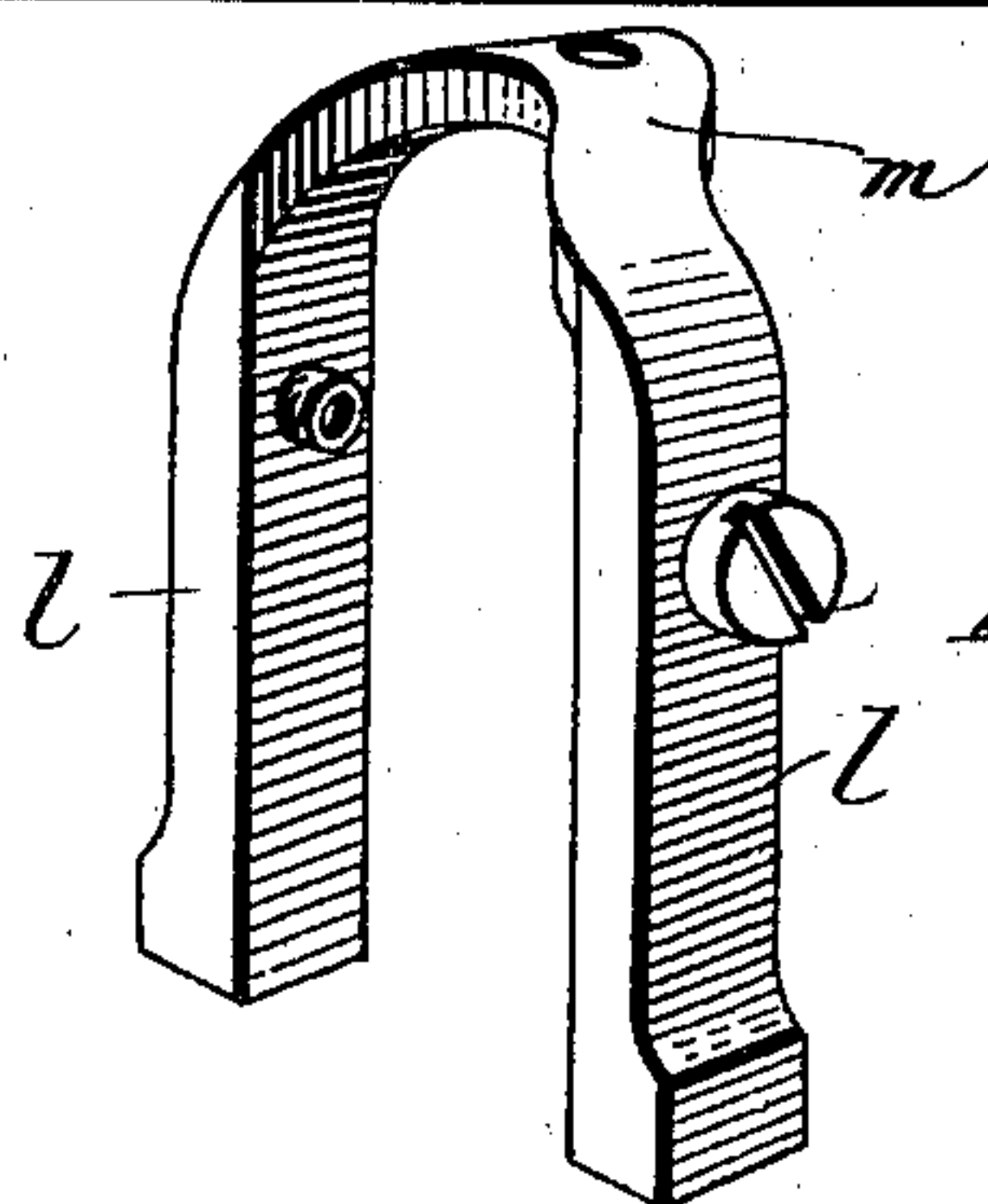
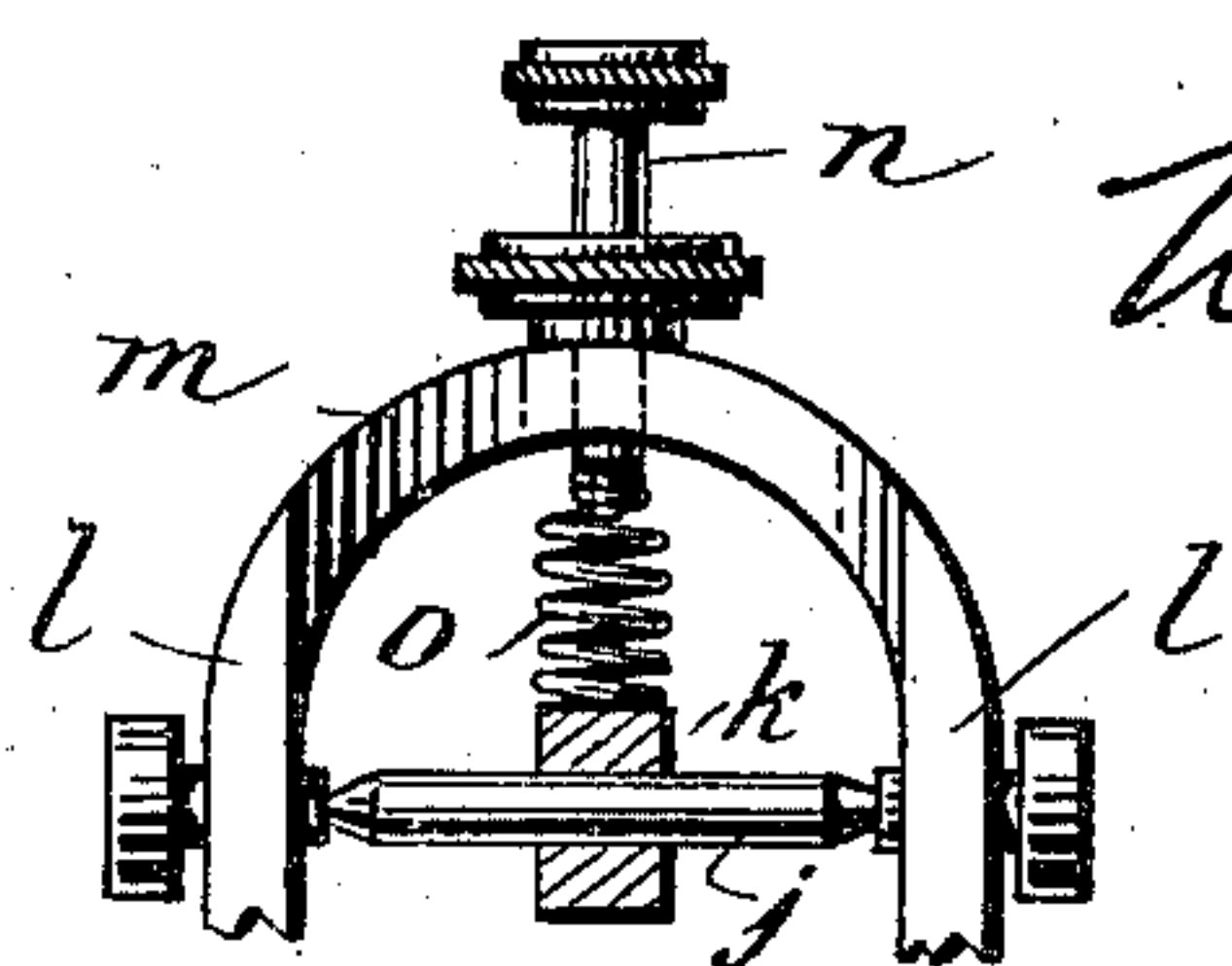


Fig. 5.



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ULYSSES G. ROGERS, OF NEW YORK, N. Y.

ELECTRICAL SOUNDER.

SPECIFICATION forming part of Letters Patent No. 686,135, dated November 5, 1901.

Application filed April 17, 1901. Serial No. 56,305. (No model.)

To all whom it may concern:

Be it known that I, ULYSSES G. ROGERS, a citizen of the United States of America, and a resident of New York city, county and State of New York, have invented certain new and useful Improvements in Electrical Sounders, of which the following is a specification.

My invention consists of improvements in the construction of some of the parts of electrical sounders, whereby it is designed to provide simpler and cheaper construction, as hereinafter described, reference being made to the accompanying drawings, in which—

Figure 1 is a side elevation of a sounder constructed in accordance with my invention. Fig. 2 is a plan view of the base-plate inverted. Fig. 3 is a perspective view of the sounder-post. Fig. 4 is a perspective view of the lever-supporting standard. Fig. 5 is an elevation of the upper part of the lever-supporting standard as seen looking from the left hand of Fig. 1.

a represents the wood base; *b*, the iron bar on which the spools *c* are mounted for connecting their cores, said bar being placed on the wood base and secured by the screws inserted through the wood base at *d*, that also secure the magnets, and by the screw at *e*, that also secures the hind leg *f* of the sounder-post *g*, said leg standing on said bar between the spools of the magnet. The front leg *h* of the sounder-post is as much longer than the hind leg as the thickness of the iron bar and rests on the wood base forward of said bar and is secured by the screw at *i*.

The standard for supporting the pivot *j* of the lever *k* and the lever-retracting spring and adjusting devices comprises two legs *l* and an arch *m*, joining the upper ends of the legs, practically the same as in other sounders, except that the arch is a bar of the same width as the legs, and instead of being in the same plane as the legs, with rearwardly-projecting

arm to support the lever-retracting spring *o* and its adjusting-screw *n* in their proper relation to the lever-axes, said bar is curved backward to a suitable extent, as shown, so that the hole in it for the adjusting-screw *n*, being in the center of the bar, locates the spring *o* at the proper distance back of the lever-pivot. This not only saves the excess of metal involved in the common construction, but it affords a form of the projecting side of the bar much simpler and easier to finish by the grinding process, which is the preferred method. I do not, however, claim this improvement of the pivot-supporting standard in this application, but I do claim it in a divisional application hereof. The legs *l* of the lever-pivot support rest on the wood base-plate and are secured by the screw inserted through the base at *p*. Thus it is to be seen that I provide simpler and cheaper sounders than such as are now made.

The iron bar and legs all placed on the wood base are thereby properly insulated.

What I claim as my invention is—

The combination in a telegraphic sounder, of the iron bar connecting the magnet-cores placed on the surface of the wood base, the magnet-cores placed on the bar and secured thereto and together with the bar secured to the base by the core-connecting screws inserted through the base and the bar, the sounder-post having the hind leg standing on the iron bar between the magnet-spools, and secured by a screw inserted through the base and the bar, and the front leg standing on the base and secured by a screw inserted through said base.

Signed at New York city this 16th day of April, 1901.

ULYSSES G. ROGERS.

Witnesses:

C. SEDGWICK,
J. M. HOWARD.