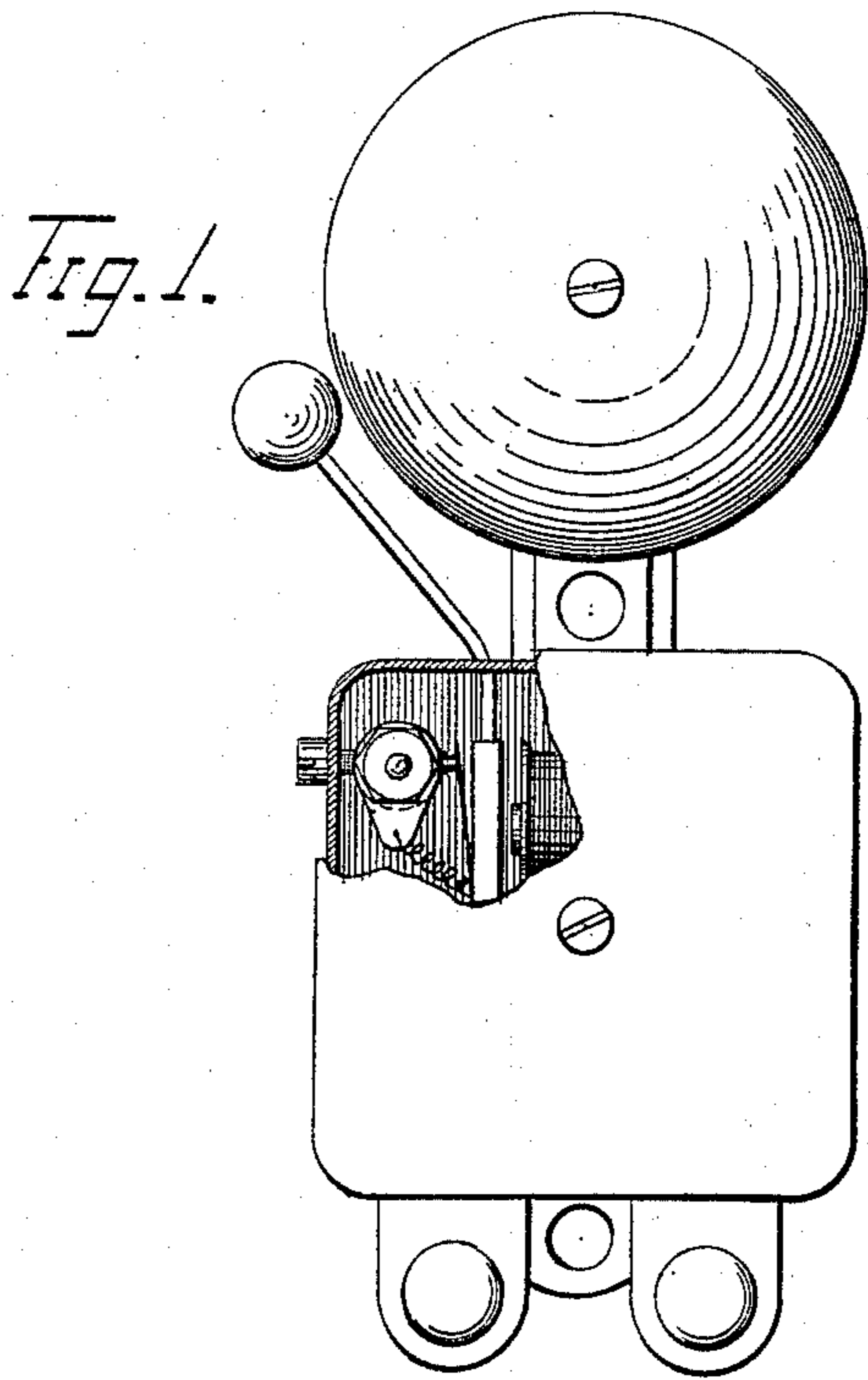
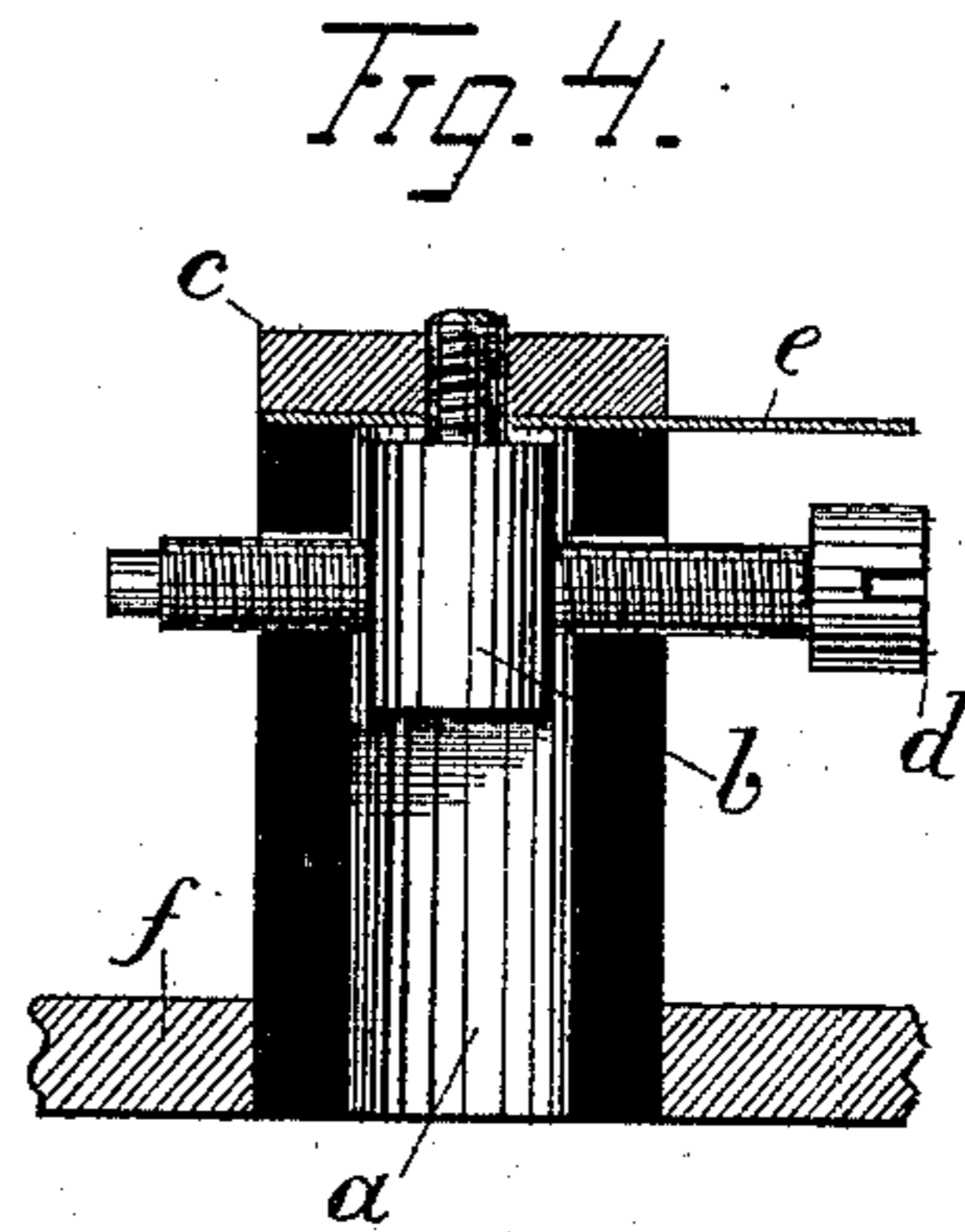
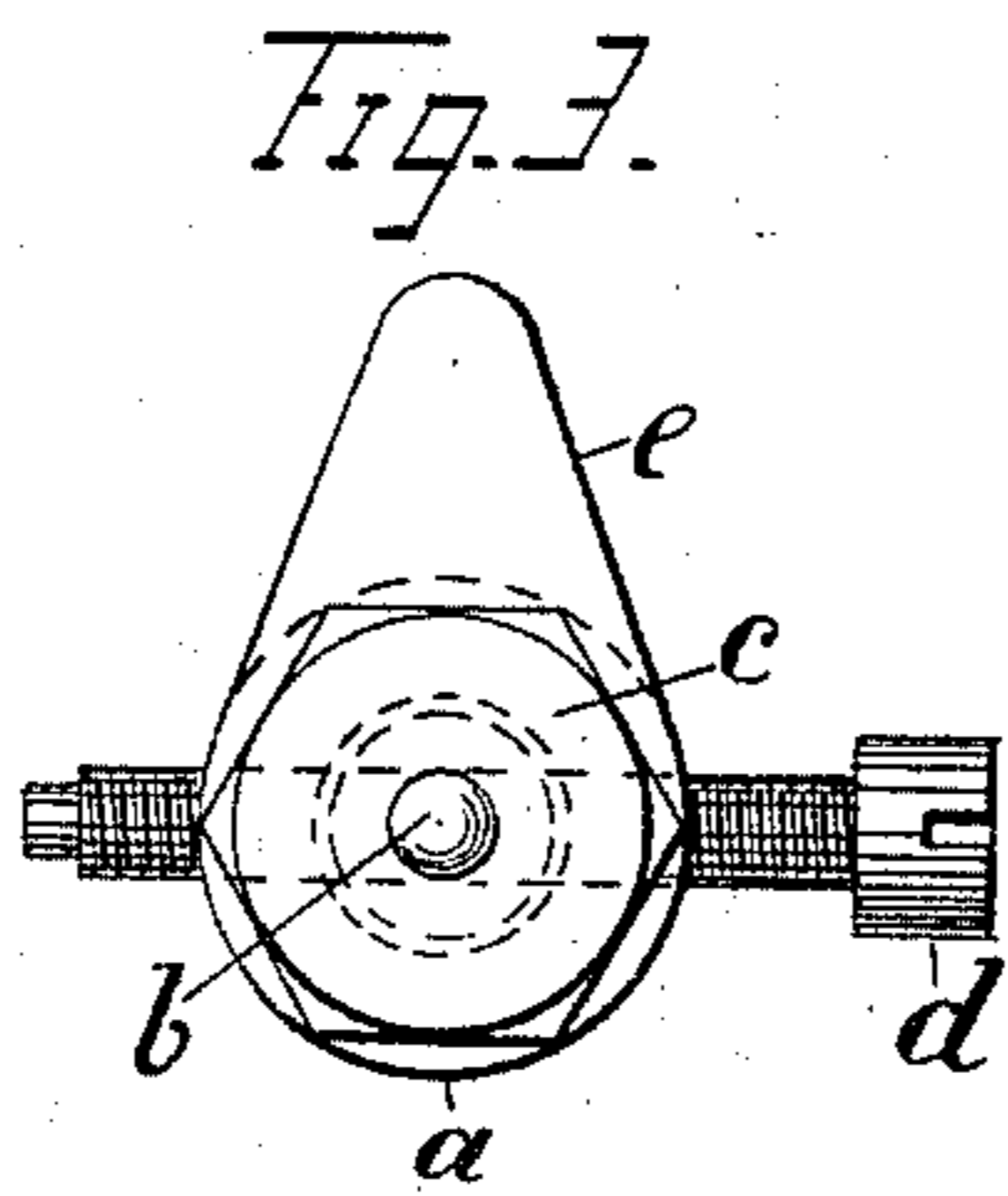
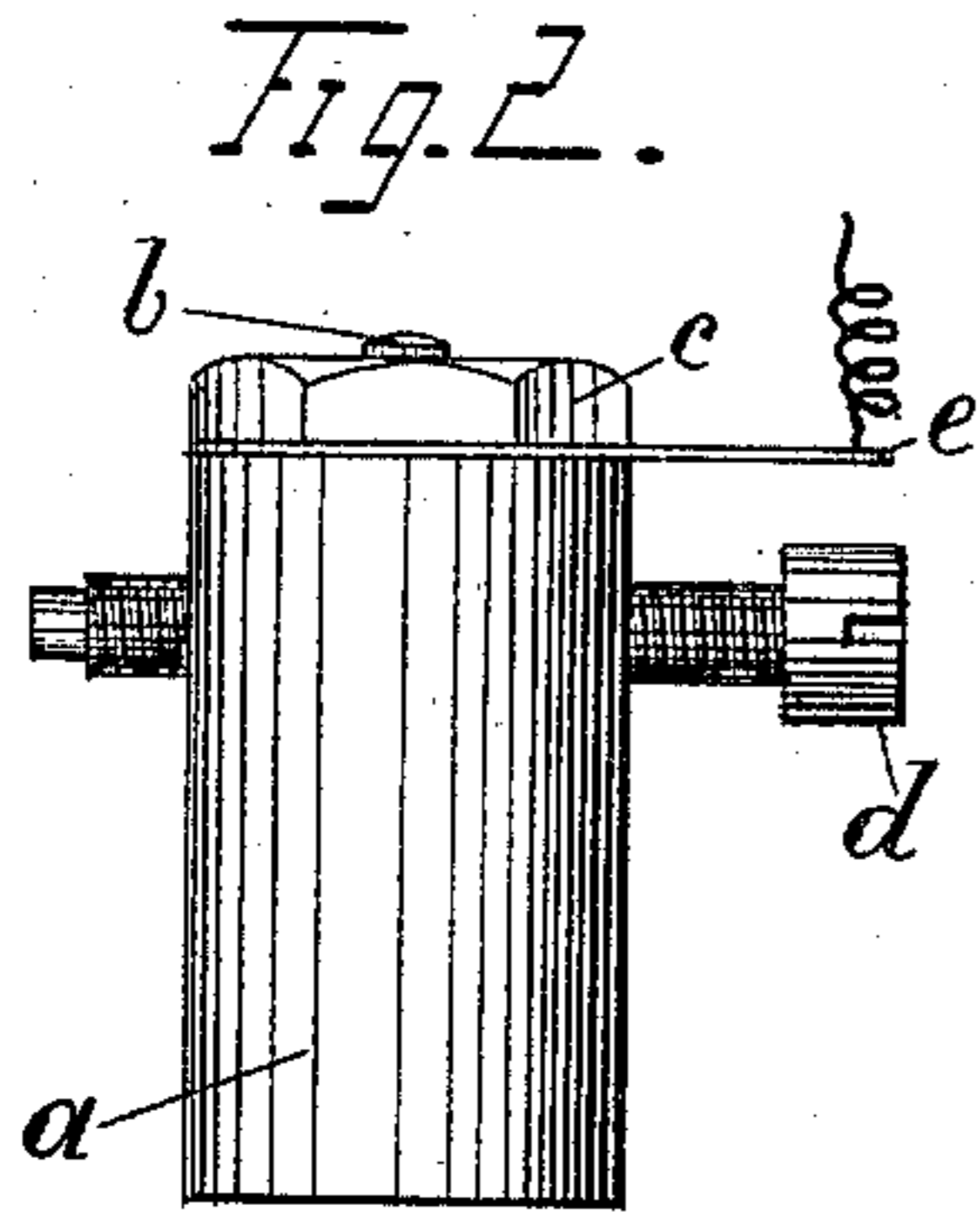


(No Model.)

R. SEGERDAHL.
CONTACT POST.

No. 540,367.

Patented June 4, 1895.



Witnesses.
H. E. Nelson
John Skillestad

Inventor.
Rudolph Segerdahl

UNITED STATES PATENT OFFICE.

RUDOLPH SEGERDAHL, OF CHICAGO, ILLINOIS.

CONTACT-POST.

SPECIFICATION forming part of Letters Patent No. 540,367, dated June 4, 1895.

Application filed March 29, 1894. Serial No. 505,648. (No model.)

To all whom it may concern:

Be it known that I, RUDOLPH SEGERDAHL, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Contact-Post or Circuit-Breaker, of which the following is a specification.

My invention relates to improvements in a circuit-breaker or contact-post, of the class generally used in electric bells, or other apparatus where an adjustable contact constitutes part of its circuit; and the objects of my improvements are, first, to afford facilities whereby to maintain a perfect electrical connection between the circuit wire and the movable contact; second, to provide a clamping device for the movable contact that permits of adjusting the same without disarranging the electrical connection between said adjustable contact and the circuit wire, and, third, to obtain a cheap, simple and durable structure. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a plane elevation of a bell embodying my improvements; Fig. 2, a side view of the contact-post disconnected from the bell; Fig. 3, a top view of the mechanism, and Fig. 4 a cross-section of the complete mechanism and of the base-plate into which it is held.

Similar letters refer to similar parts throughout the several views.

In Fig. 4, —*a*— is a standard or post, made hollow to receive the eye-bolt —*b*—, and I prefer to make the same out of hard rubber or any other suitable non-conductor, as it permits of securing it in the base-plate or support —*f*— in a simple manner; it being preferably held by means of being fitted closely and then driven into a hole provided in the base-plate —*f*— as shown in Fig. 4.

The eye-bolt —*b*— is made of metal and fitted loosely in the hollow of the standard —*a*— so as to be readily operated by the clamping-nut —*c*— at its upper end; so that when the contact —*d*— which is arranged to pass through said eye bolt and the standard —*a*— preferably by means of being threaded into

the same can after it has received its proper adjustment be securely locked by the clamping-nut —*c*—, which when operated is intended to act on the eye-bolt —*b*— in such a manner as to increase the friction of the contact —*d*— in its bearings. The circuit terminal is preferably fastened to a contact plate *e* arranged as shown and clamped by the binding nut *c*. It is readily seen that a perfect electrical connection is thus obtained with the contact —*d*— and that any movement of the same required in adjusting it properly, does not release the clamping device or disturb the electrical connection between the same and the circuit terminal.

What I consider as new, and desire to secure by Letters Patent, is—

1. In a contact-post or circuit-breaker, a hollow standard made from a non-conductive material, an adjustable contact passing through the walls of the same, and a connector which forms a part of an electric circuit arranged to engage with said contact, whereby the same may be introduced in and maintained as a part of said circuit, substantially as and for the purpose specified.

2. The combination, in a contact-post or circuit-breaker, with a hollow-standard, and an adjustable contact passing through the walls of the same, of an eye-bolt or similar device arranged to engage with said contact, and means to operate the same as described, whereby a clamping device may be attained adapted to secure said contact also to permit its proper adjustments to be made without disturbing the said clamping device.

3. The combination, in an electric circuit, of a hollow standard and a conductor passing through the walls of the same, with a metallic connector arranged in the standard to engage with said conductor, and a clamping device adapted to secure an electrical connection between the same and said conductor, substantially as and for the purpose described.

RUDOLPH SEGERDAHL.

Witnesses:

JOHN SHILLESTAD,
CASSIUS M. C. CROSS.