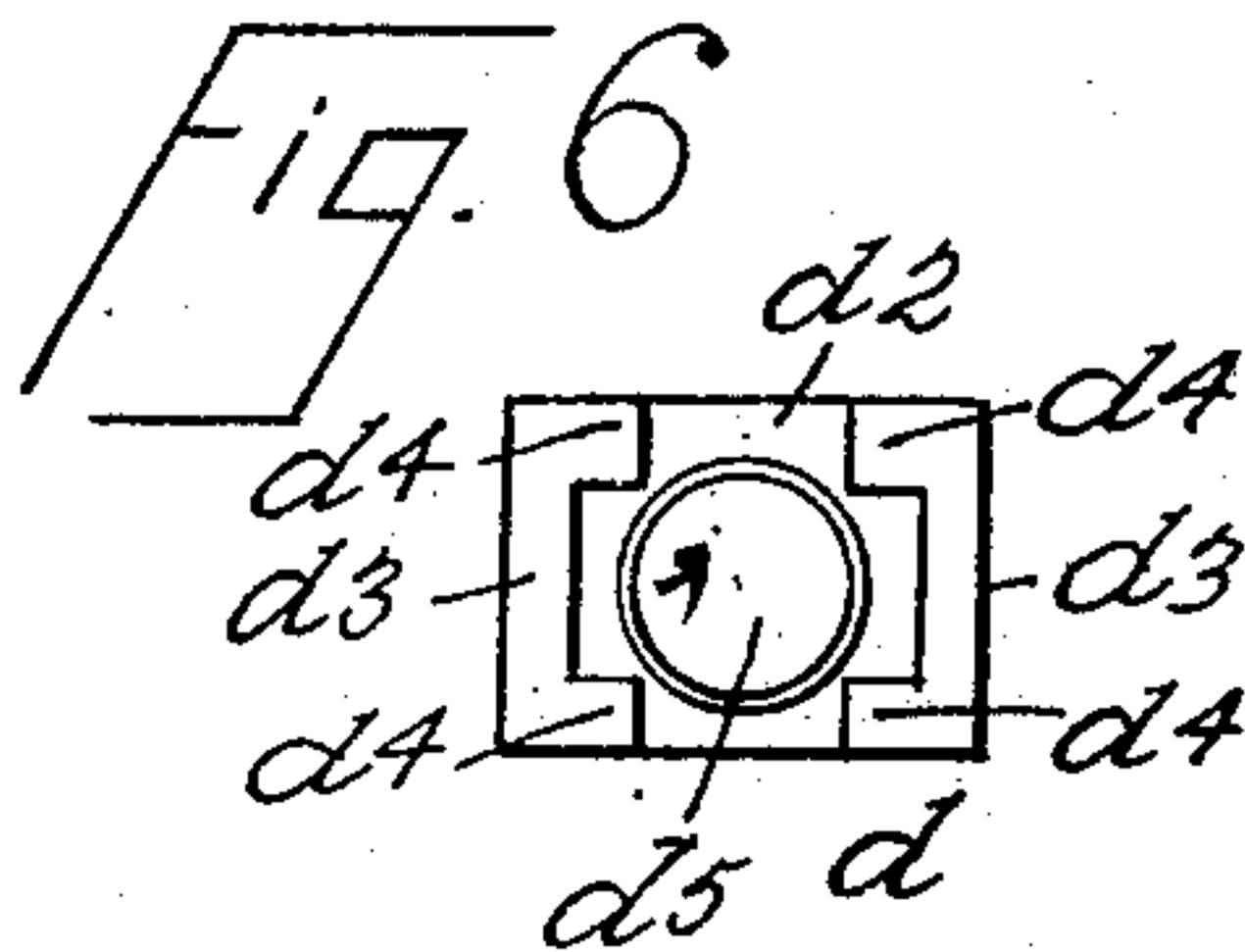
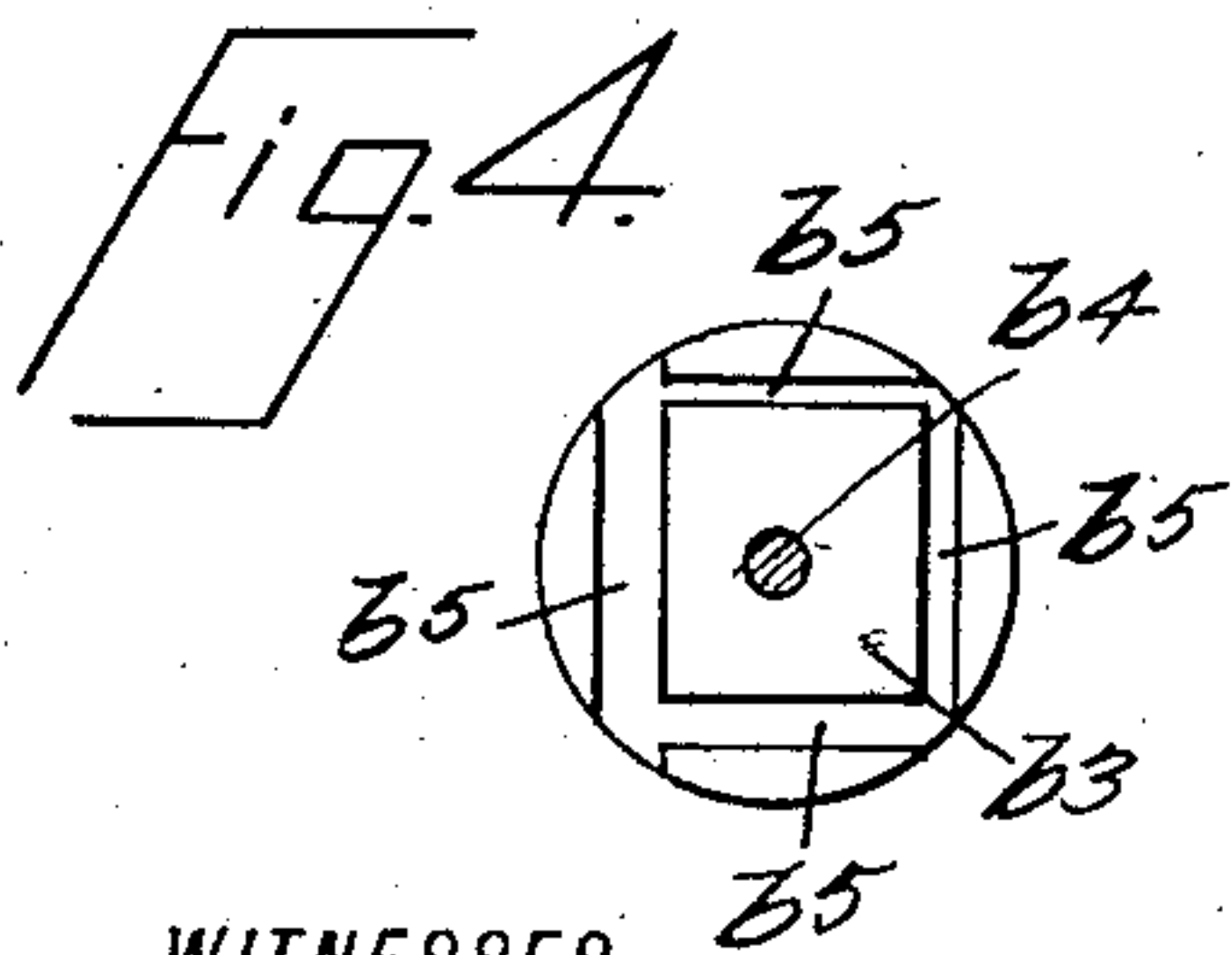
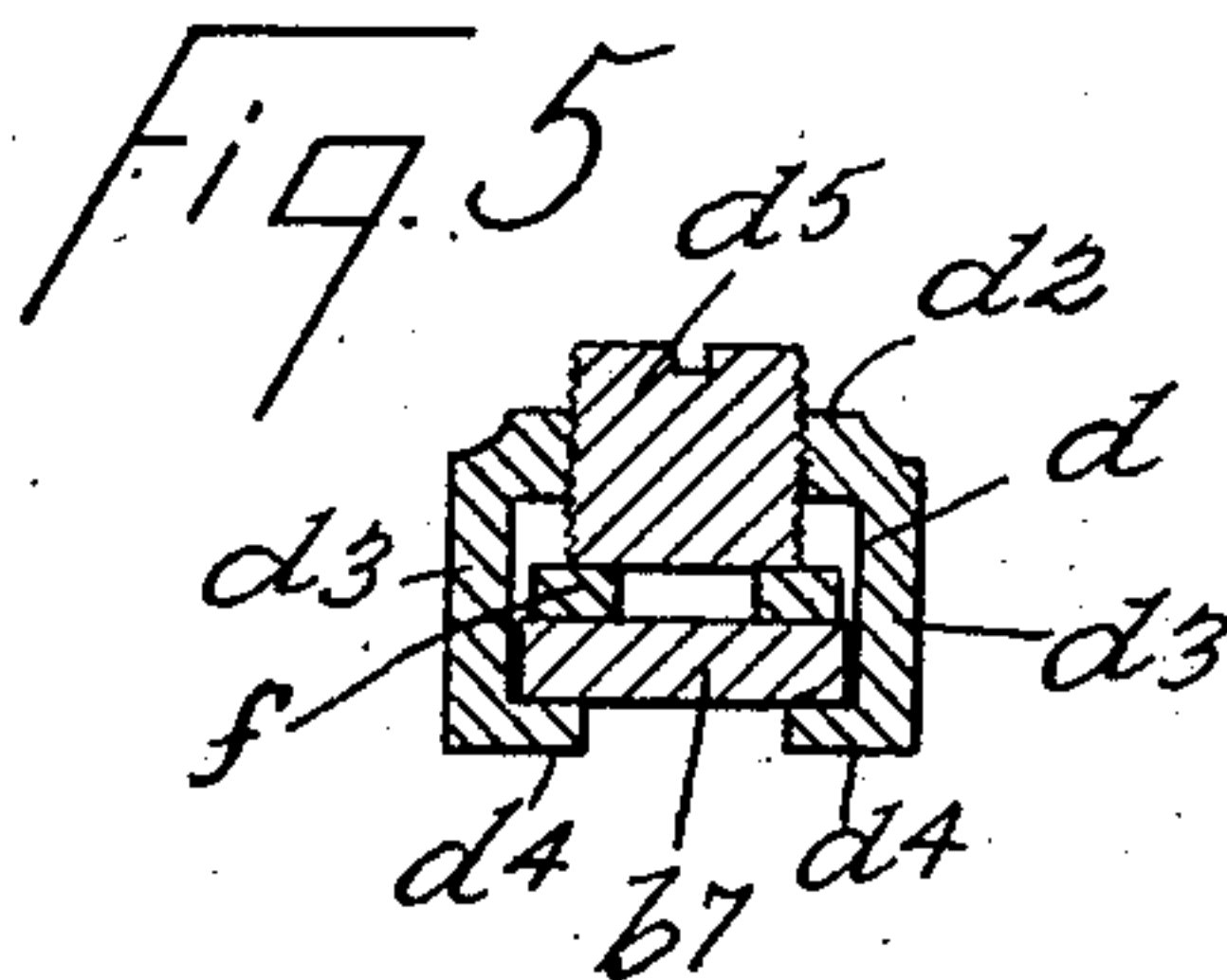
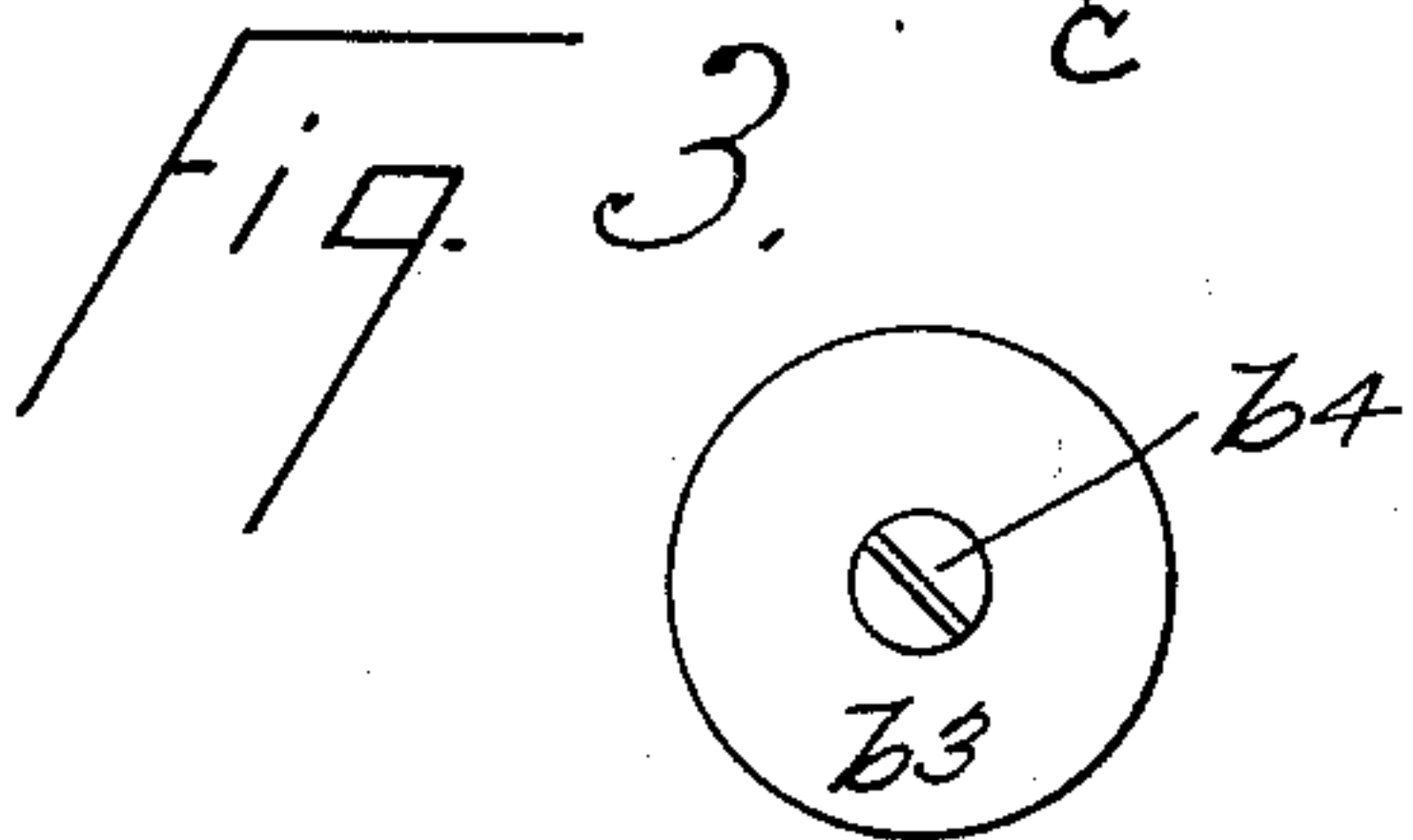
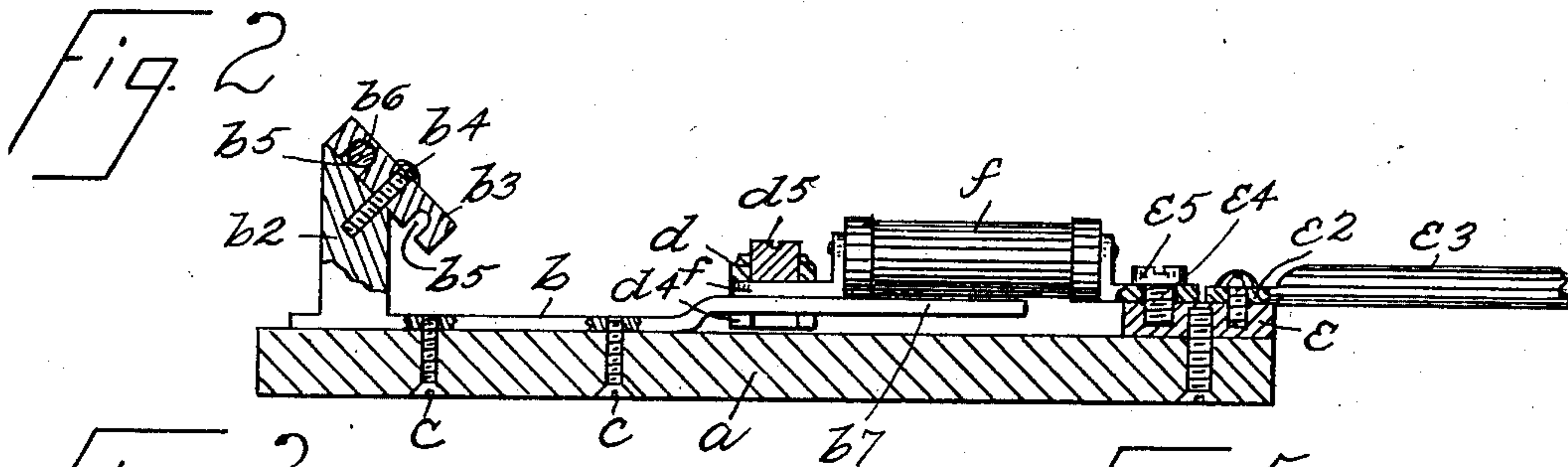
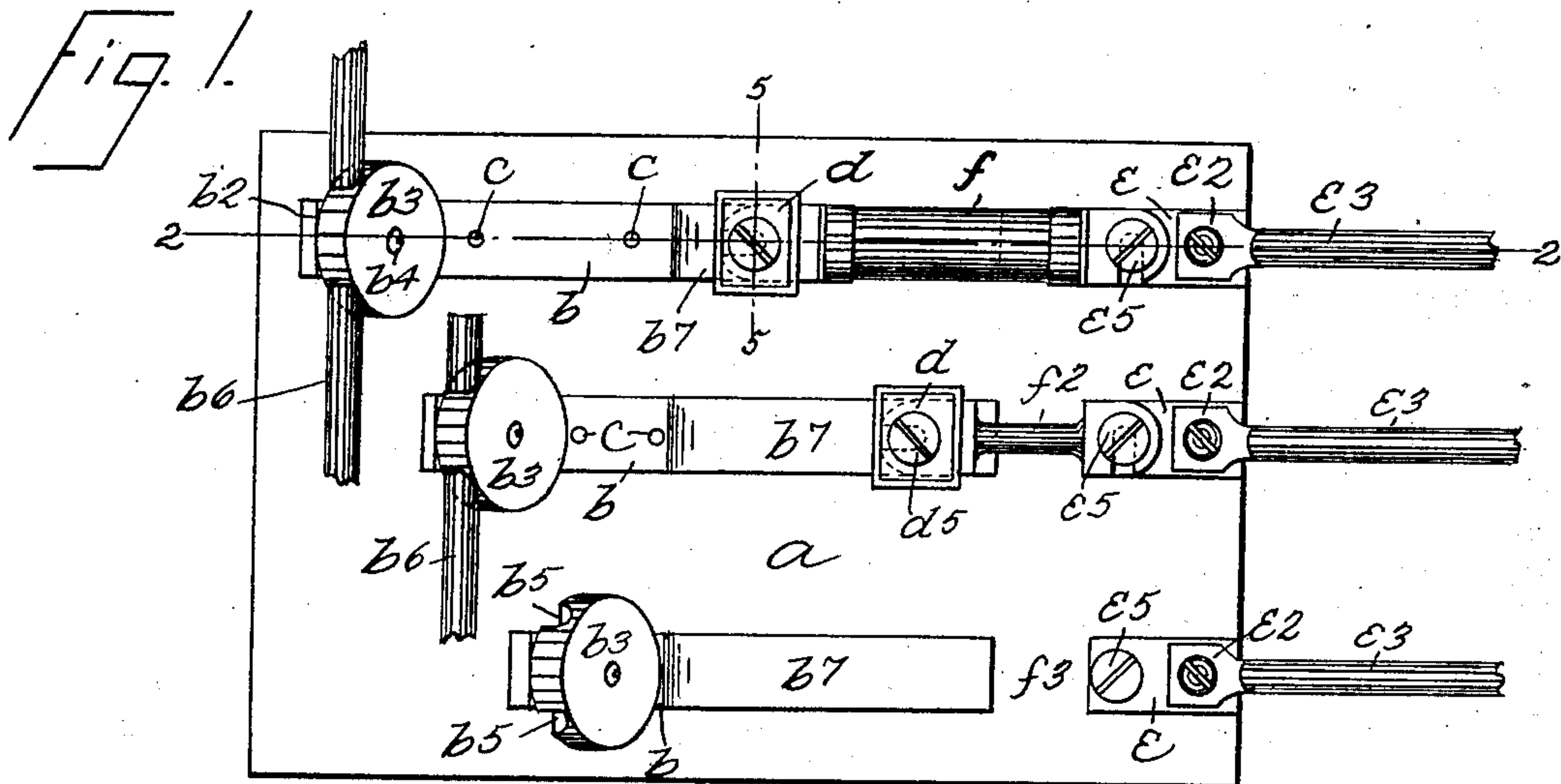


L. J. MULVANEY.  
ELECTRIC CUT-OUT.  
APPLICATION FILED SEPT. 8, 1902.

NO MODEL.



WITNESSES

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# UNITED STATES PATENT OFFICE.

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## ELECTRIC CUT-OUT.

SPECIFICATION forming part of Letters Patent No. 726,331, dated April 28, 1903.

Application filed September 8, 1902. Serial No. 122,473. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS J. MULVANEY, a citizen of the United States, residing at Kingsbridge, in the county of New York and State of New York, have invented certain new and useful Improvements in Electric Cut-Outs, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

The object of this invention is to provide an improved cut-out device for electric circuits whereby a fuse of any length or construction may be employed and one fuse substituted for another of different length whenever desired; and with these and other objects in view the invention consists in an electric cut-out constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a plan view of my improved cut-out; Fig. 2, a section on the line 2 2 of Fig. 1; Fig. 3, a plan view of a main wire-binder; Fig. 4, a bottom plan view thereof; Fig. 5, a vertical section on the line 5 5 of Fig. 1 and showing an adjustable binder which I employ and the support thereof; Fig. 6, a bottom plan view of said binder.

In the practice of my invention I provide a base-plate *a*, composed of slate, porcelain, or similar non-conductive material, and upon the upper side thereof I mount a plate of metal or other suitable material *b*, which is secured to *a* by means of screws *c* in the usual manner, and at or near the outer end of the plate *b* is secured a post *b*<sup>2</sup>, which is beveled inwardly at the top to provide a surface for a rotatable disk *b*<sup>3</sup>, secured to the post *b*<sup>2</sup> by a screw *b*<sup>4</sup>, and the under side of the disk *b*<sup>3</sup> is provided with a plurality of laterally-arranged grooves *b*<sup>5</sup>, into which the end of the main feed-wire *b*<sup>6</sup> may be soldered, and these grooves are of different sizes to adapt them to wires of different sizes, and by means of this construction the disk *b*<sup>3</sup> forms a detachable binder for the main feed-wire *b*<sup>6</sup>.

The plate *b* is preferably raised above the base *a* for about one-half its length, more or less, as shown at *b*<sup>7</sup> in Fig. 2, and slidably mounted upon the raised member *b*<sup>7</sup> of the plate *b* is a binder *d*, which is provided with a top member *d*<sup>2</sup>. Side members *d*<sup>3</sup> and the ends *d*<sup>4</sup> of the side members *d*<sup>3</sup> project beneath the member *b*<sup>7</sup> of the plate *b*. The opening thus formed between the top member *d*<sup>2</sup> and projections *d*<sup>4</sup> is preferably greater than the thickness of the plate *b*, and through the top member *d*<sup>2</sup> is passed a screw *d*<sup>5</sup>, which is adapted to hold the binder *d* firmly in position on the member *b*<sup>7</sup> of the plate *b*, and by means of this construction the binder *d* is adjustable the length of the portion *b*<sup>7</sup> of the plate *b*, as will be readily seen.

Secured to the base *a* and adjacent to the inner end *b*<sup>7</sup> of the plate *b* is a rigid binder consisting of a base *e* of a plate *e*<sup>2</sup>, detachably secured thereto and to which the branch feed-wire *e*<sup>3</sup> is soldered or otherwise secured, and passing into and projecting above the base *e* is a screw *e*<sup>4</sup>, provided with an enlarged head *e*<sup>5</sup>. When it is desired to insert a fuse *f* between the wires *b*<sup>6</sup> and *e*<sup>3</sup>, one end thereof is placed beneath the head *e*<sup>5</sup> of the screw *e*<sup>4</sup> and secured thereby to the base *e*, while the other end of the fuse is placed within the adjustable binder *d* and resting upon the plate *b* or the member *b*<sup>7</sup> thereof, and by means of the screw *d*<sup>5</sup> the binder *d*, plate *b*, and fuse *f* are held firmly together, and by means of the slidable binder *d* a fuse of any length or make may be used.

In the drawings forming part of this specification I have shown at *f* an inclosed fuse, while at *f*<sup>2</sup> is shown a simple open fuse, either of which may be used, while at *f*<sup>3</sup> the parts are not connected by a fuse or any other means in order to show the construction of the plate *b* and base *e*, and although I have shown three of my improved cut-outs mounted upon the base *a* it will be apparent that any number of said cut-outs may be used on the same plate, and various changes in and modifications of the construction herein shown and described may be made without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what

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

1. A cut-out for electrical circuits comprising a non-conductive base, a conductive plate  
5 secured thereto at one end thereof and the inner end of which is raised above said base, a binding-post secured to the outer end of said plate, a supplemental binding-post secured to the other end of said base, and an adjustable  
10 binder mounted upon the raised end of said plate and adapted to hold one end of a fuse, the other end of said fuse being held by said supplemental binding-post, substantially as shown and described.
- 15 2. A cut-out for electrical circuits comprising a non-conductive base, binding-posts secured thereto and adapted to hold the oppo-

site ends of a fuse, and electrical circuit-wire detachably connected with one of said binding-posts, the other post being beveled at the  
20 top, and a revoluble disk detachably secured on the beveled surface of said binding-post, and provided with a plurality of transverse grooves of different dimensions, substantially as shown and described. 25

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 6th day of September, 1902.

LEWIS J. MULVANEY.

Witnesses:

F. A. STEWART,  
C. E. MULREANY.