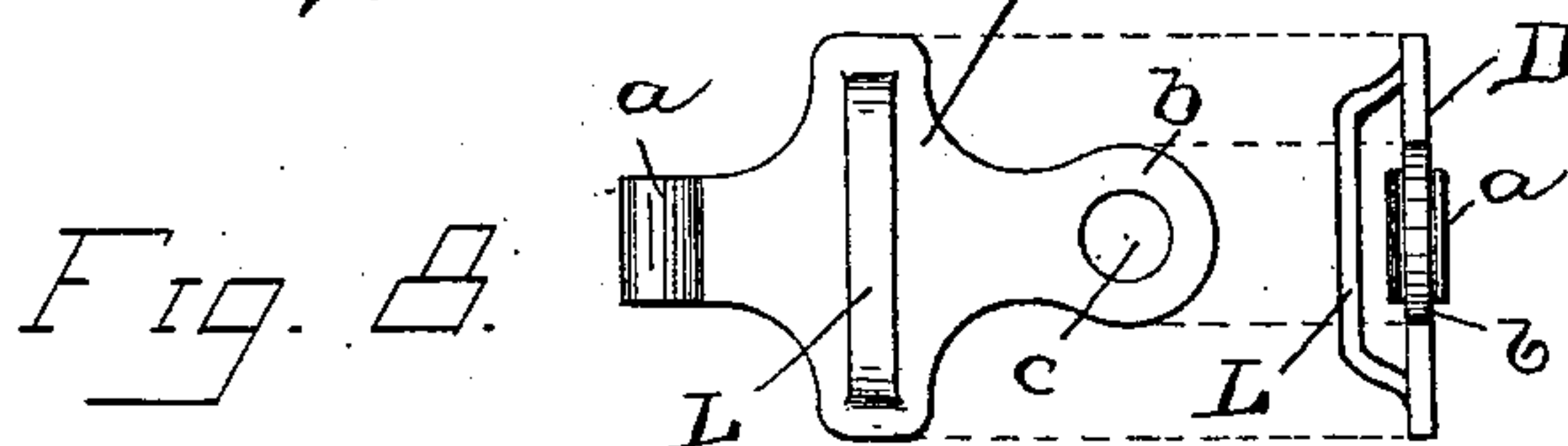
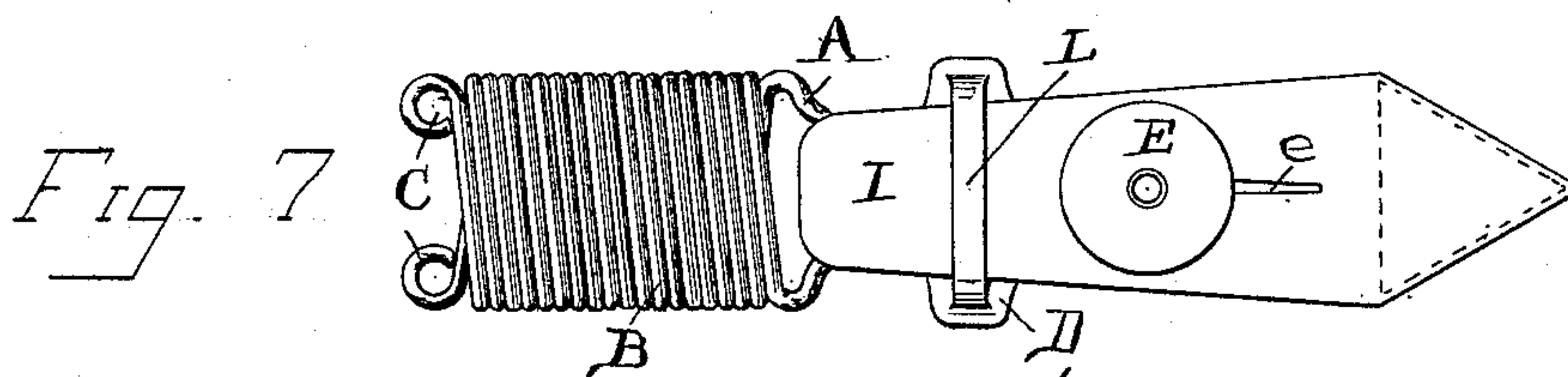
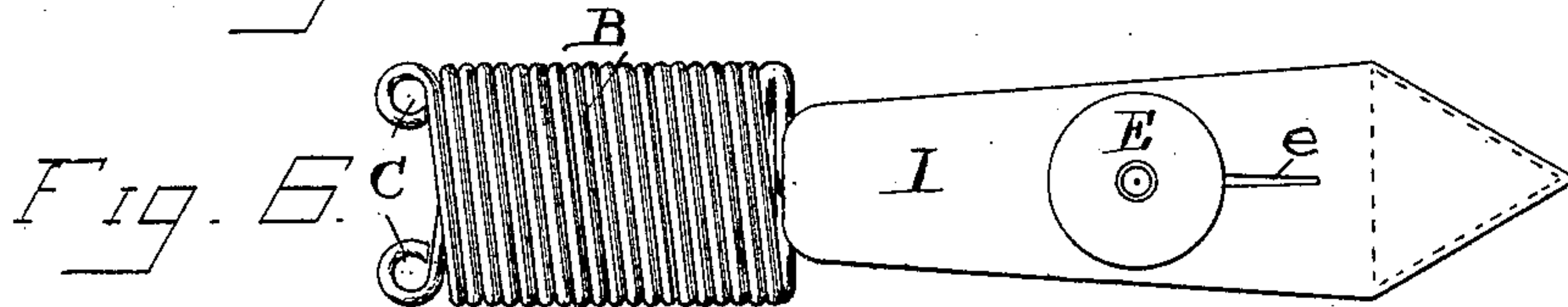
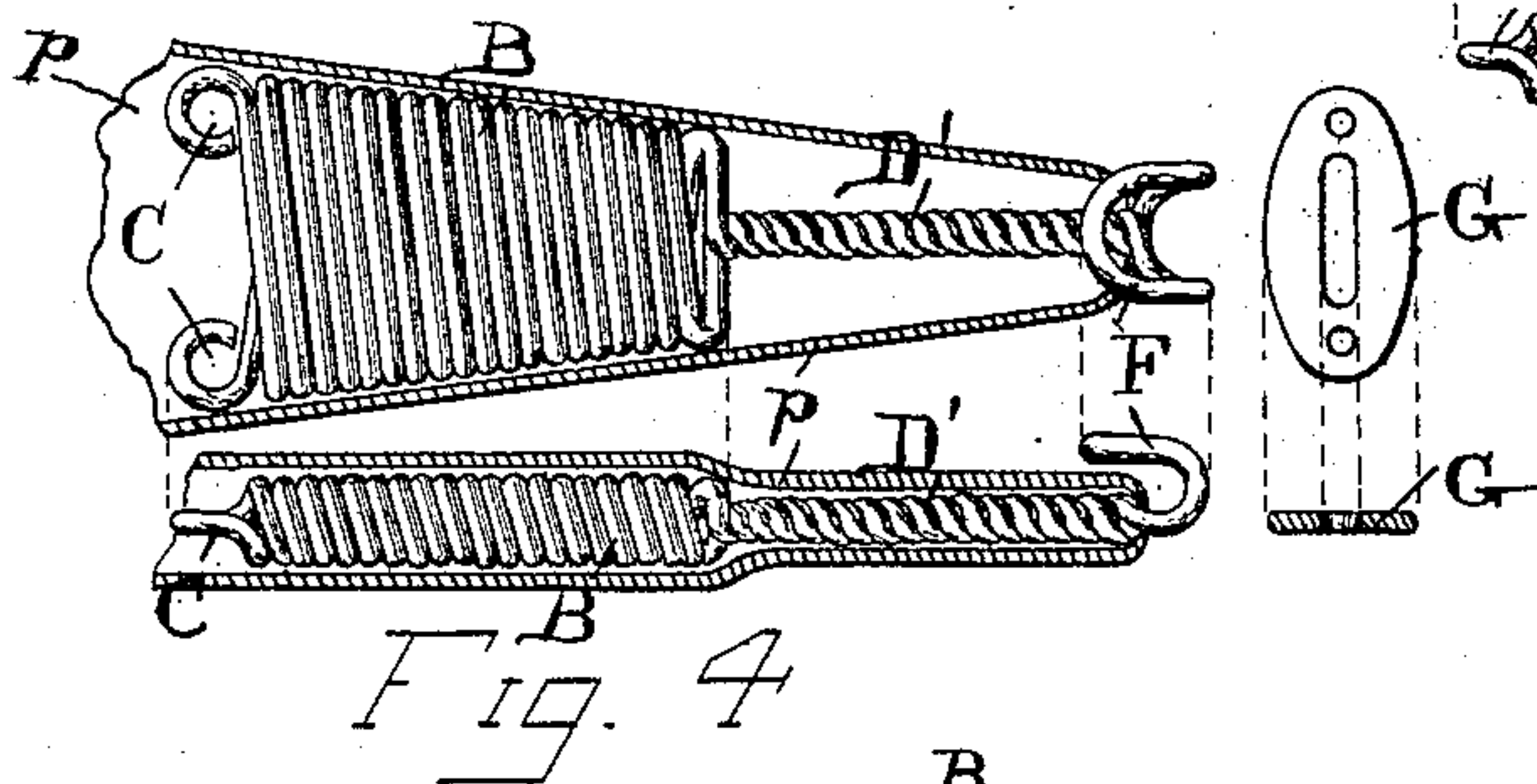
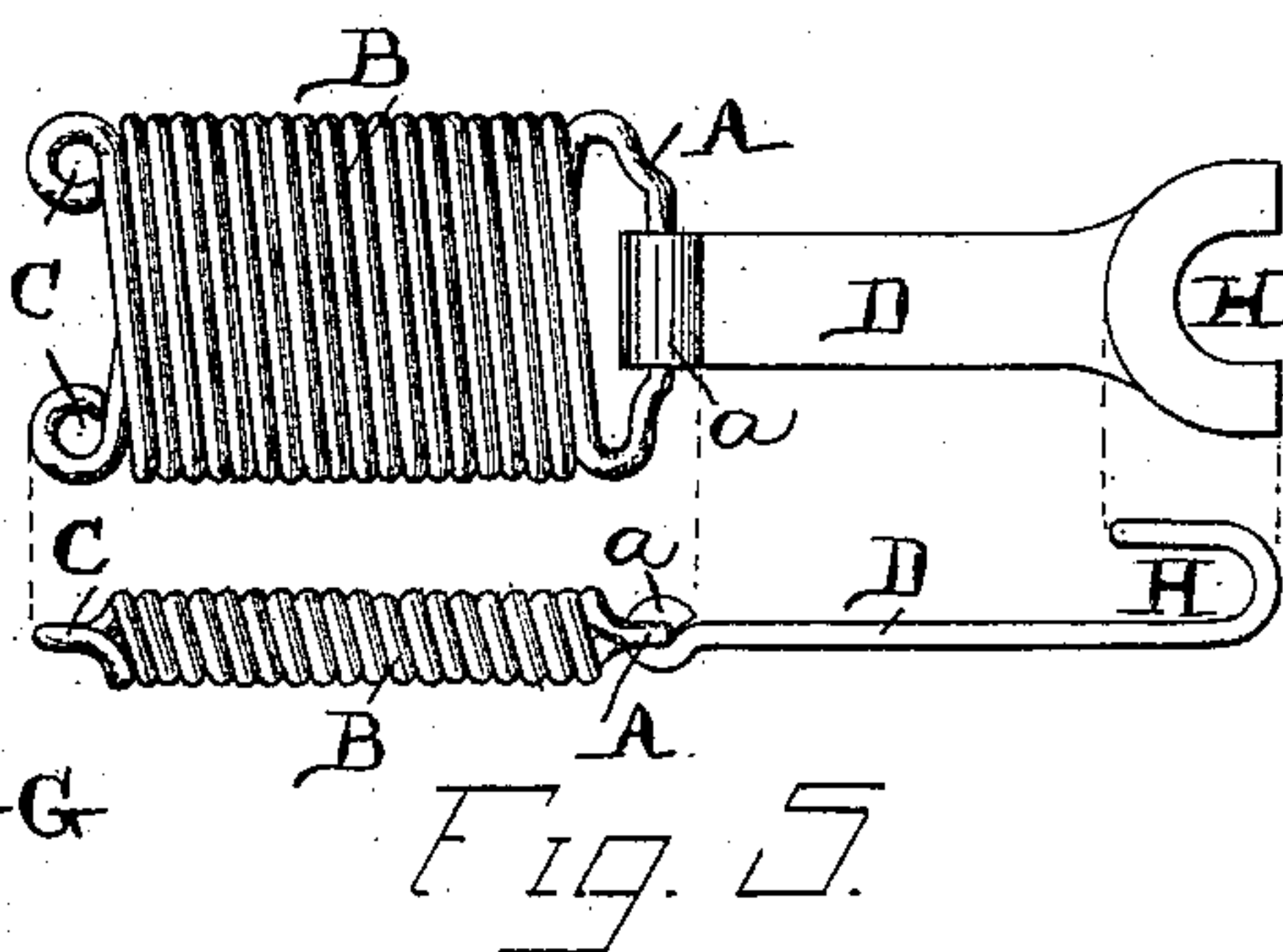
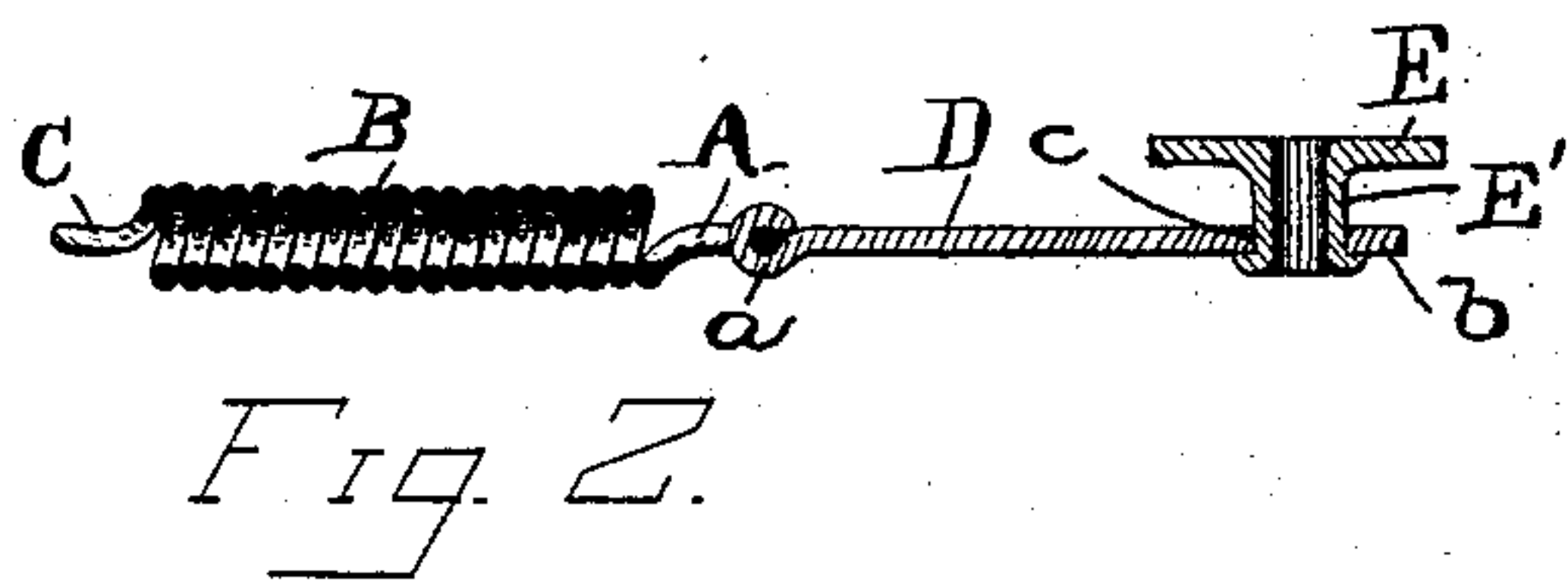
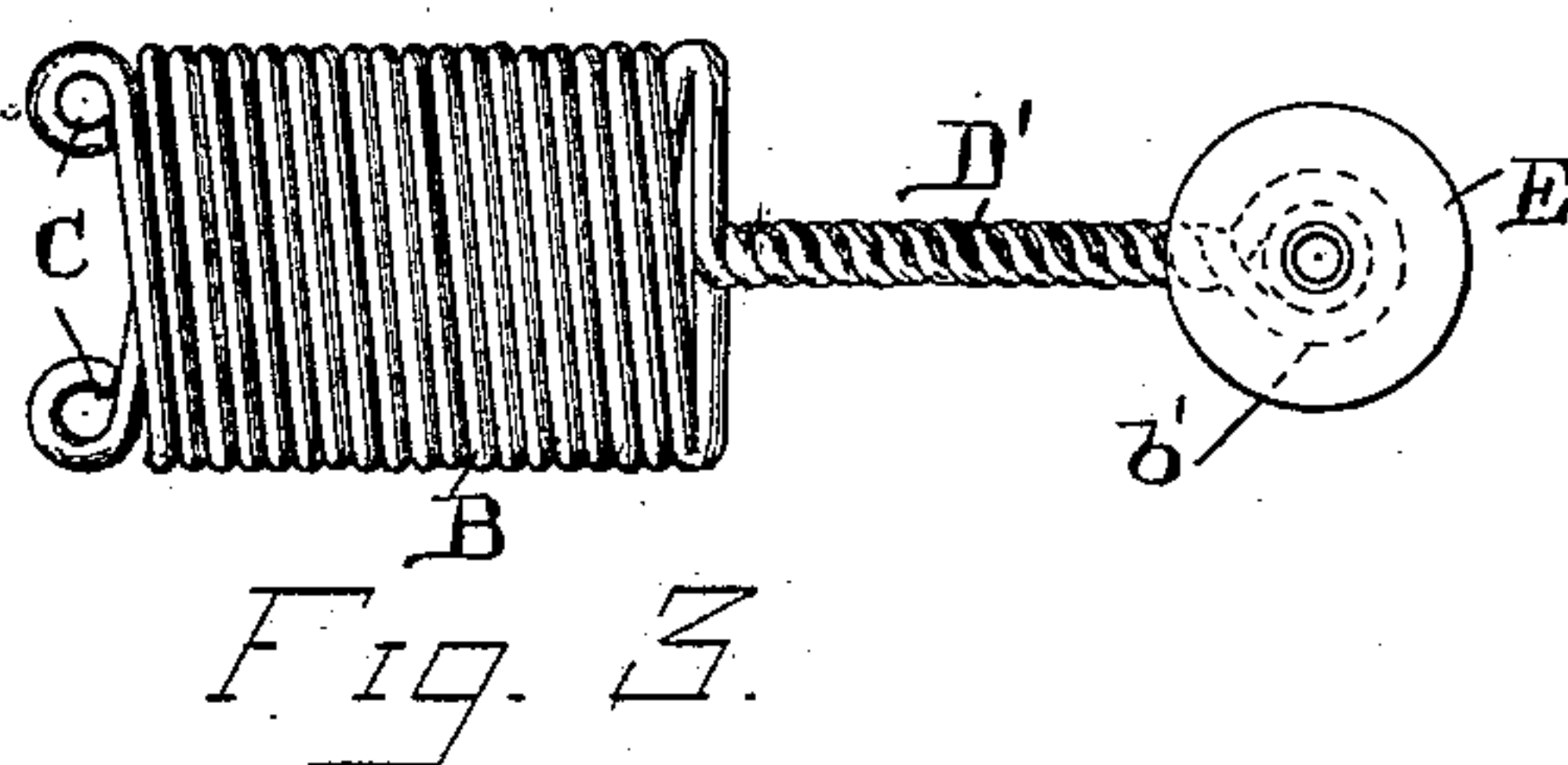
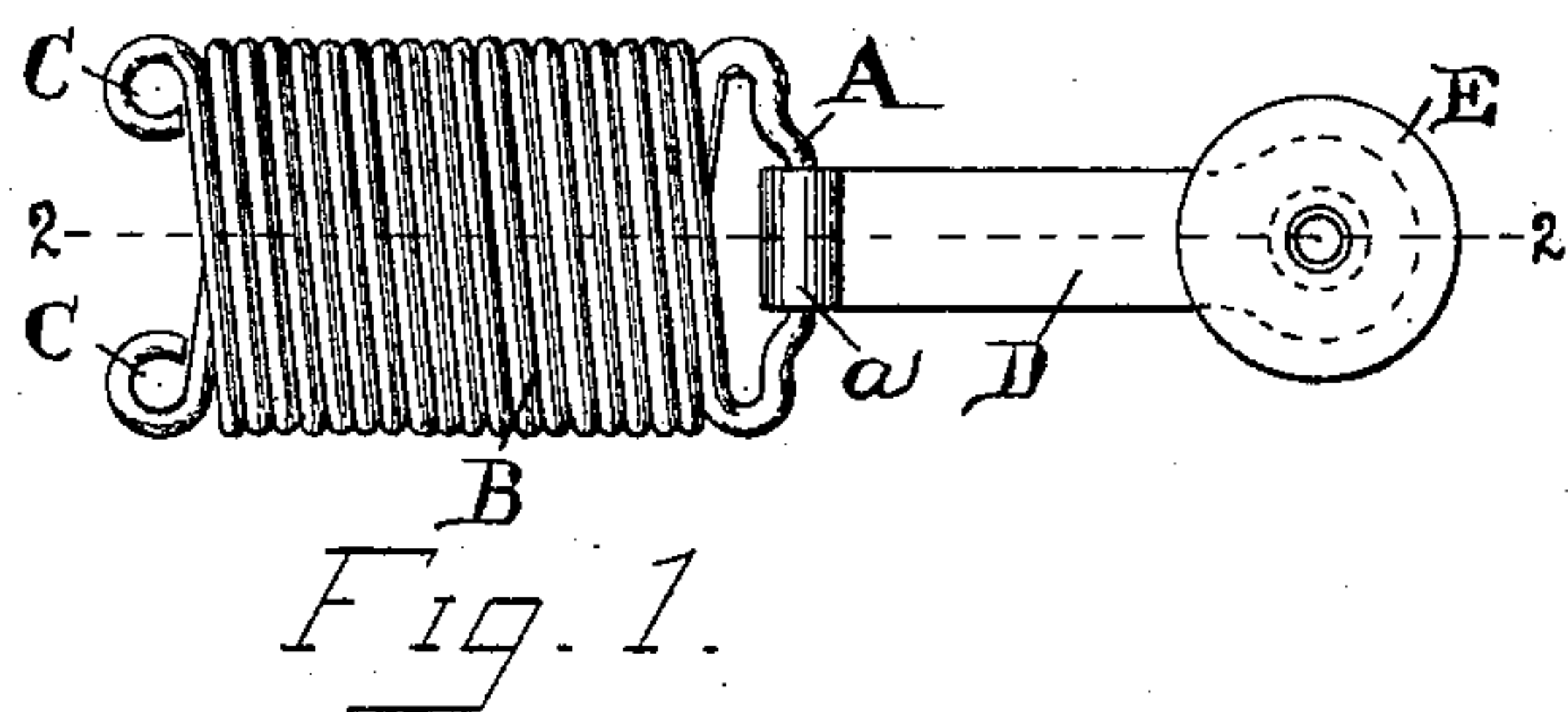


(No Model.)

J. A. PHILLIPS.
ADJUSTING STRAP FOR GARMENTS.

No. 475,515.

Patented May 24, 1892.



Witnesses:—

J. B. Mattoon.

J. Parker Davis.

Inventor:—

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By Chas B. Mann
Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH A. PHILLIPS, OF BALTIMORE, MARYLAND.

ADJUSTING-STRAP FOR GARMENTS.

SPECIFICATION forming part of Letters Patent No. 475,515, dated May 24, 1892.

Application filed February 27, 1892. Serial No. 422,981. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. PHILLIPS, a citizen of the United States, residing at Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in Adjusting-Straps for Garments, of which the following is a specification.

This invention relates to an improved elastic garment attachment for use as a means of connection between two parts of a garment—as, for instance, at the front and back of a pair of trousers or at the back of a vest.

The object is to provide a yielding connection which may be very readily applied and manipulated.

To this end the invention consists in the novel features of construction and combinations of parts hereinafter described and claimed.

The invention is illustrated in the accompanying drawings, in which it is shown embodied in a number of different forms.

Figure 1 is a plan view of one form of the device. Fig. 2 is a section on line 2 2 of Fig. 1. Fig. 3 is a plan view of another form. Fig. 4 shows a plan and edge view of still another form and also shows a plan and cross-section of a keeper employed in connection with this latter form. Fig. 5 shows a plan and edge view of still another form of the device. Fig. 6 is a plan view illustrating the application of the form of device shown in Fig. 3. Fig. 7 is a similar view showing a different construction. Fig. 8 is a detail of the shank used in this latter construction, showing a plan and edge view.

In the form shown in Figs. 1 and 2 the device comprises a wire formed into a loop A at one end, from which it extends in a flattened coil B, the two ends of the wire terminating in eyes C, a straight flat shank D, fastened in the loop A by having one end *a* bent around the same, said shank formed at the opposite end into a head *b*, with a round opening *c* through it, and a button E, whose shank E' is inserted through the said round opening and clinched over the head *b* to securely fasten it thereto.

This device is applied by fastening it securely to a part of the garment by means of stitching or the like engaging the eyes C. Where the device is to connect with another part of the garment, a buttonhole will be pro-

vided for the button E. It will be seen that two parts of a garment thus connected are yieldingly held together by reason of the resiliency of the coil B, which constitutes a spring, and will greatly add to the comfort of the wearer. It also avoids a strain on the connection between it and the garment.

This attachment may be applied and used to advantage at the front of a pair of trousers by securing it to that part of the garment on one side of the front opening and provided with a buttonhole in that portion of the garment on the other side for the button E to engage. It may also be applied at the back by securing it at one side of the small V-opening and fastening the usual strap I at the opposite side and providing it with a buttonhole *e* to receive the button E. It may also be applied in similar manner at the back of a vest.

Fig. 3 illustrates a different construction, in which the separate shank-piece D is dispensed with and the wire of which the coil B is made is twisted to form a shank D' and eye *b'* at the end in which the button E is fastened.

Fig. 4 shows another form, in which the spring B and shank D' are made in one piece, as in Fig. 3; but instead of a button at the end of the shank the wire is bent to form a flat hook F. With this construction in place of an ordinary buttonhole, as provided with the construction shown in Fig. 1, a metallic keeper G is employed, which consists of a plate having a slot through it for the hook to engage, and is suitably fastened to the garment.

Fig. 5 illustrates a form of the device for use in connection with such a keeper as just described, which form is made up of a spring-coil B, such as shown in Fig. 1, and a flat shank D, connected to said coil. The shank in this case is bent into the form of a flat hook H at its outer end to engage the keeper G.

The construction illustrated in Figs. 7 and 8 is similar to that shown in Fig. 1. It is, however, specially designed for use in connection with a strap, such as I, and has a keeper L formed on its outer side to receive the said strap through it.

It is evident that the invention may be embodied in numerous different forms, and hence I do not limit myself to any one particular form.

It is the design to supply this article to the

trade with the flattened coil and shank in-
closed or covered in a pocket or tube *p* of suit-
able cloth, as indicated in Fig. 4, where the
cover has been broken away to show the coil
5 and shank.

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

1. An adjusting-strap for garments, com-
prising a wire formed into a loop at one end
10 and the two ends of the wire being bent into
a flat double spiral coil, each wire being pro-
vided at its tip or end with an eye for attach-
ing it to the garment and the loop being pro-
15 vided with a shank and a fastening device,
substantially as set forth.

2. An adjusting-strap for garments, consist-
ing of a single piece of wire formed into a shank,
one end of which is provided with means for

attaching it to the garment and the opposite 20
end is formed into a flat double spiral coil,
the tip of each end of the wire being formed
into an eye, substantially as set forth.

3. An adjusting-strap for garments, consist-
ing of a single piece of wire doubled upon it- 25
self and twisted into a shank at one end and
into a flat double spiral coil at the other, the
tip ends of the wire being provided with means
for attaching it to the garment and the other
end of the shank being formed into an eye 30
and a button secured in said eye, substan-
tially as set forth.

In testimony whereof I affix my signature in
the presence of two witnesses.

JOSEPH A. PHILLIPS.

Witnesses:

JNO. T. MADDOX,

F. PARKER DAVIS