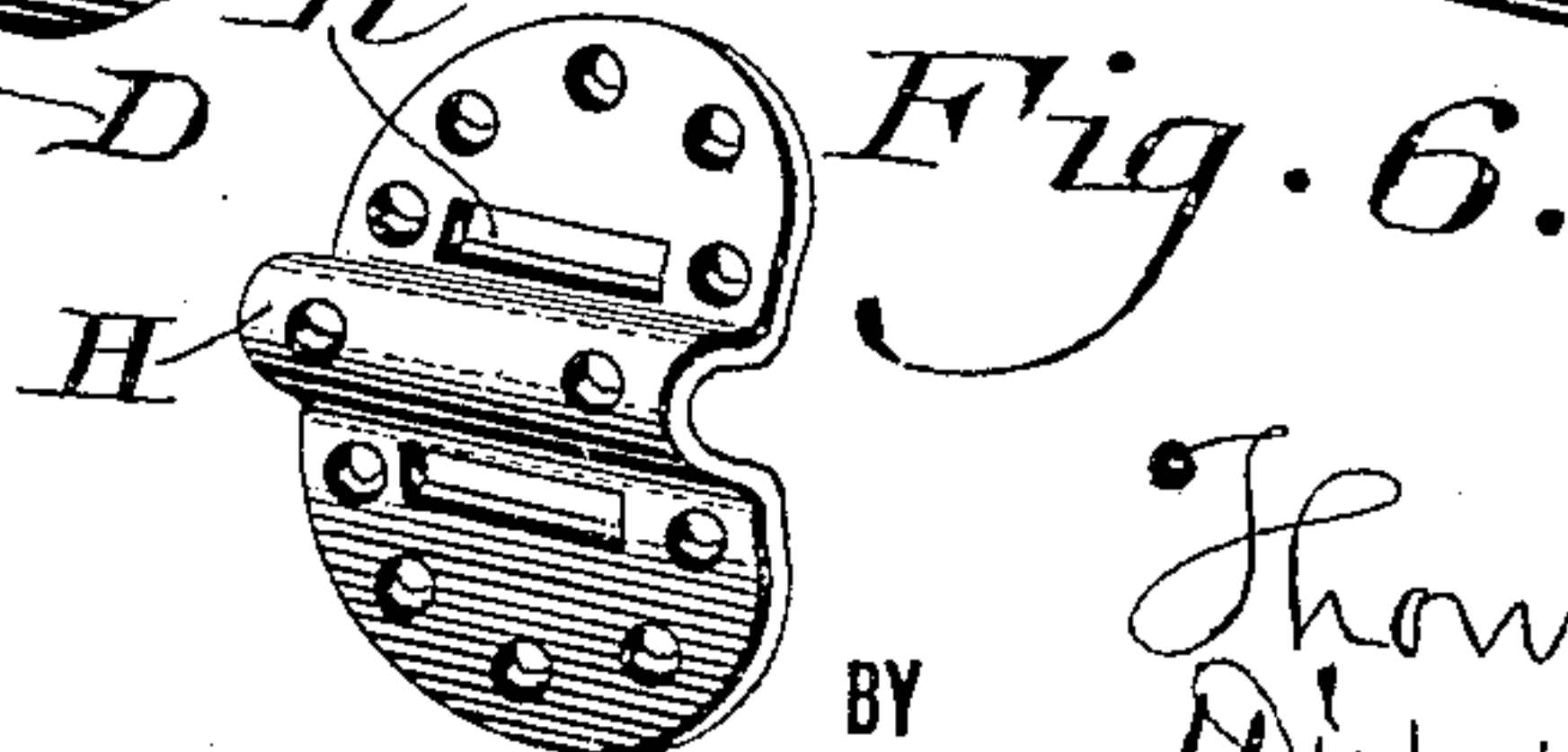
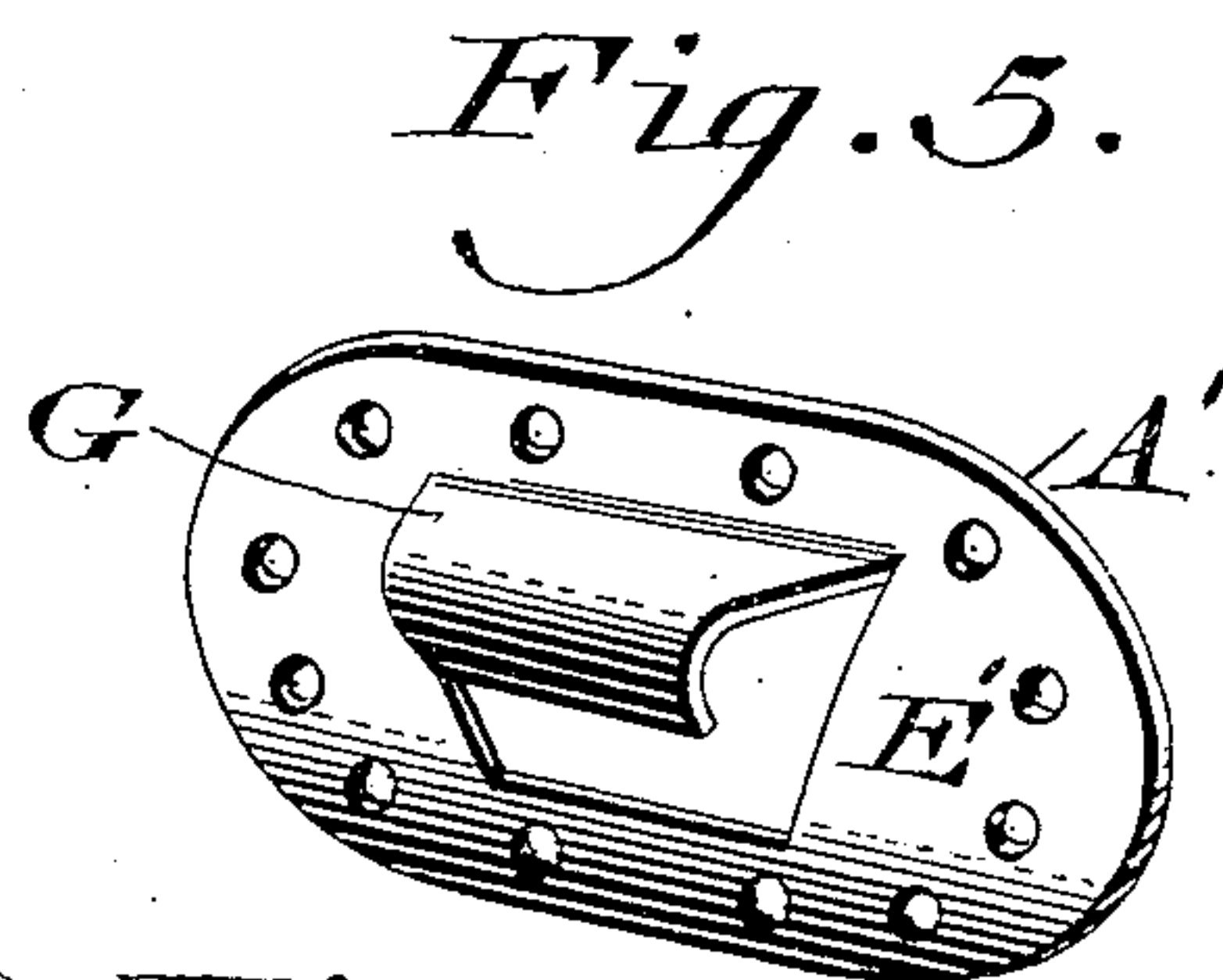
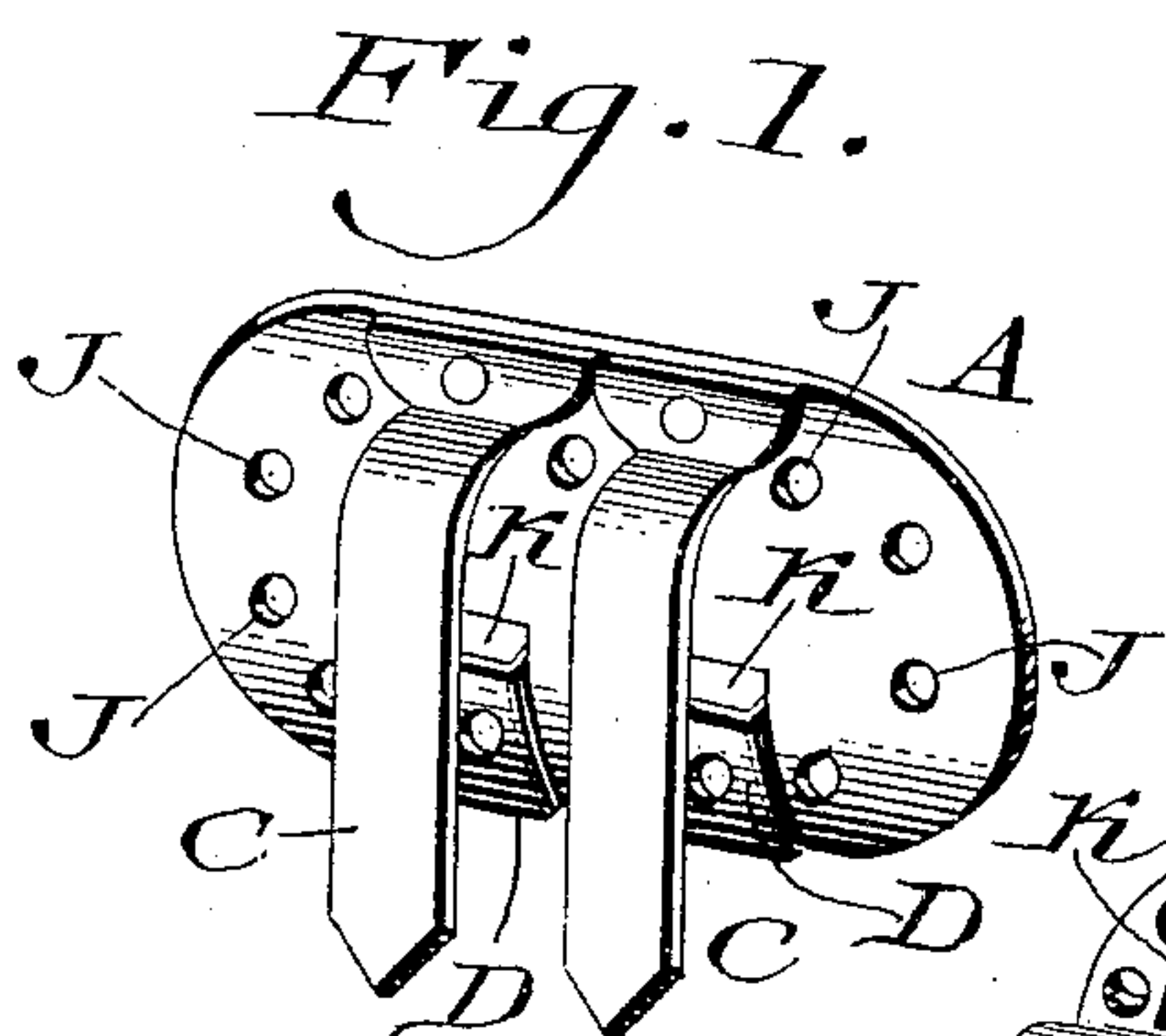
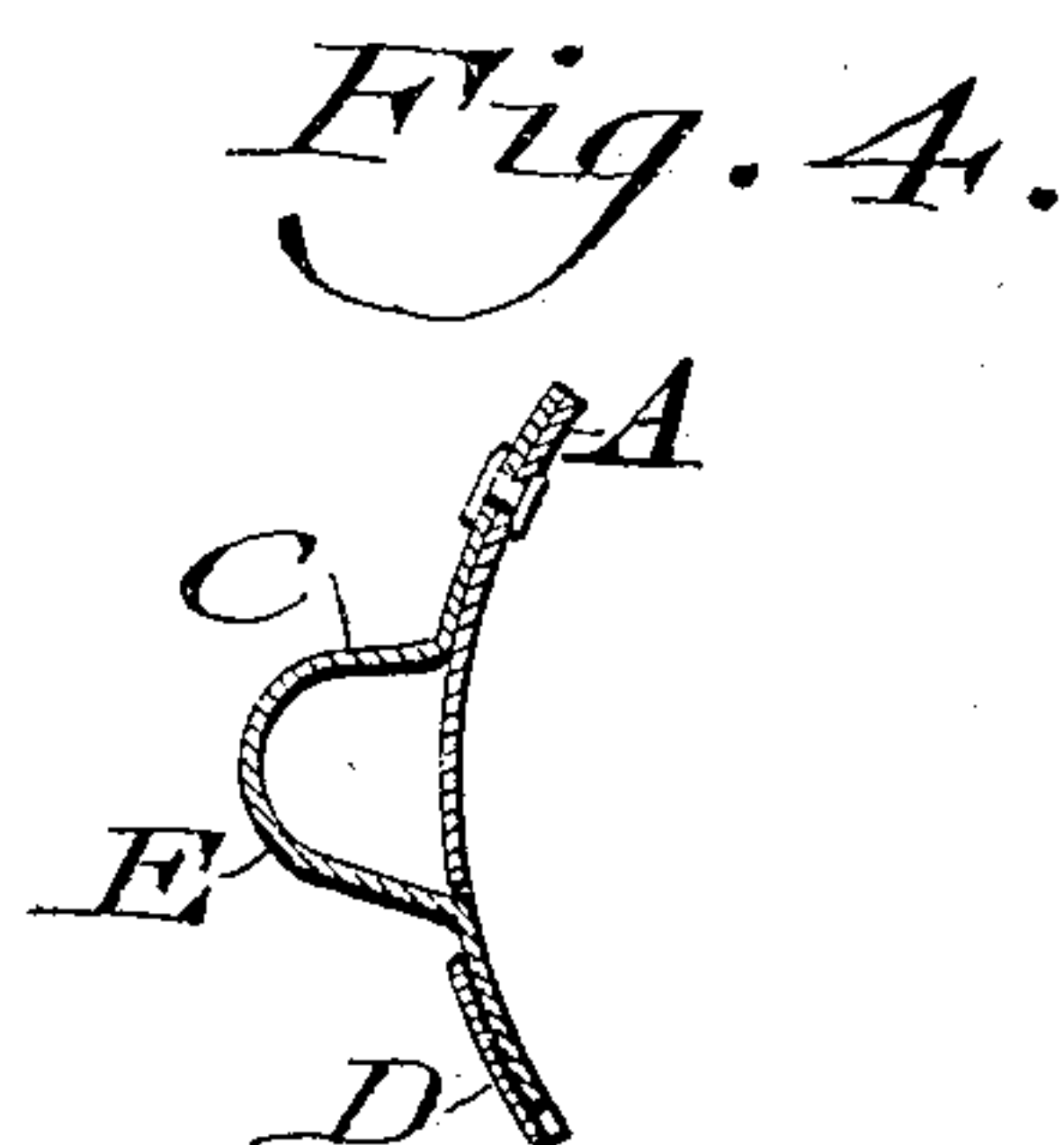
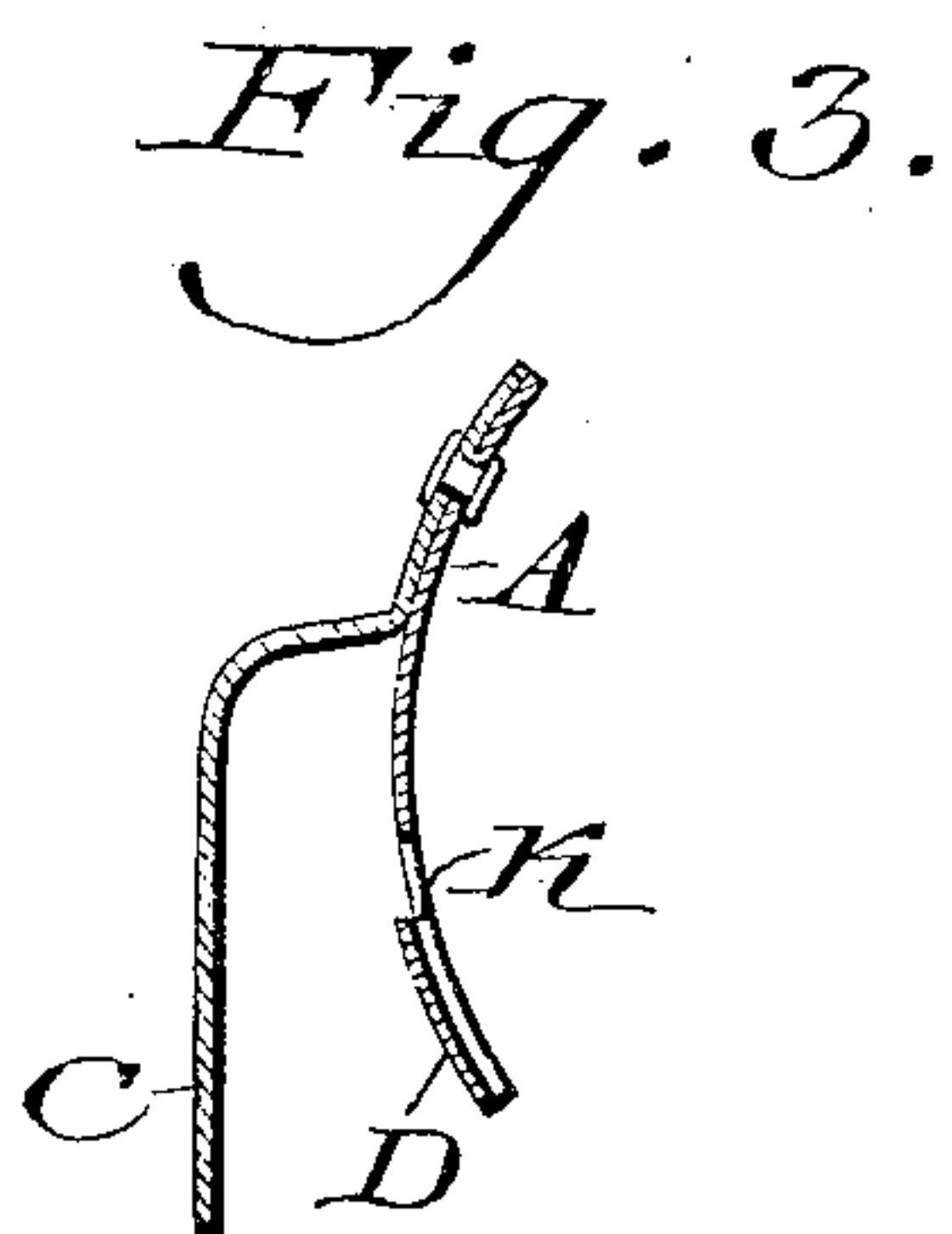
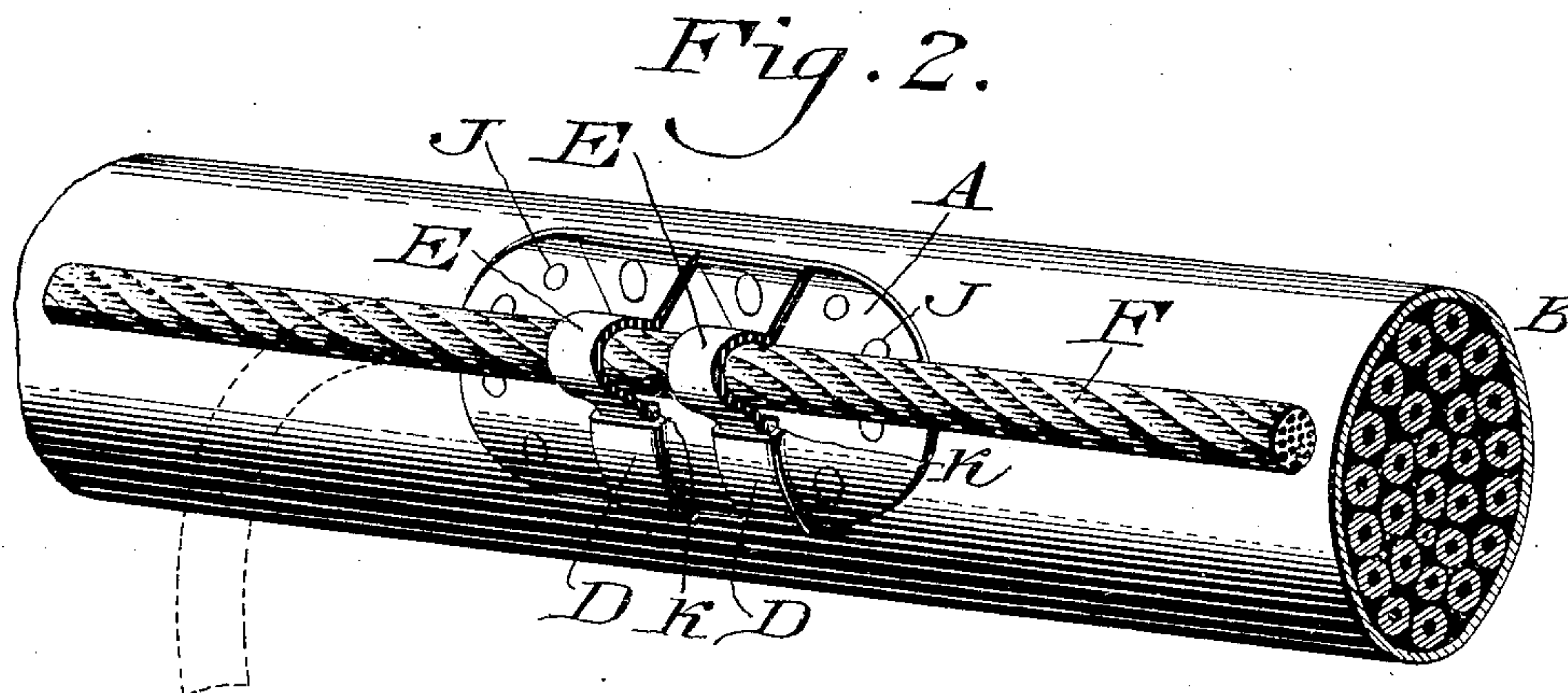


963,035.

Patented July 5, 1910.



WITNESSES

P. F. Nagle.  
H. Dieterich

BY

Thomas J. Cope. INVENTOR  
Diederich & Fairbank  
ATTORNEYS



# UNITED STATES PATENT OFFICE.

THOMAS J. COPE, OF PHILADELPHIA, PENNSYLVANIA.

## ELECTRIC BOND.

963,035.

Specification of Letters Patent.

Patented July 5, 1910.

Application filed October 23, 1909. Serial No. 524,168.

*To all whom it may concern:*

Be it known that I, THOMAS J. COPE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Electric Bond, of which the following is a specification.

My invention relates to an electric bond and consists of novel means for supporting the same and retaining it in position.

For the purpose of explaining the invention, the accompanying drawing illustrates a satisfactory reduction of the same to practice, but the important instrumentalities thereof may be varied, and so it is to be understood that the invention is not limited to the specific arrangement and organization shown and described.

Figure 1 represents a perspective view of an electric bond support or holder embodying my invention. Fig. 2 represents a similar view showing the support or bond in position. Fig. 3 represents a section of the bond shown in Fig. 1. Fig. 4 represents a section of the bond shown in Fig. 2. Fig. 5 represents a perspective view of a modification. Fig. 6 represents a perspective view of another modification.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawing:—A designates a plate which is adapted to be soldered to the sheath of the cable B, and provided on its outer face with tongues C and keepers D, said tongues being firmly secured to said plate and said keepers being struck-up from the plate, and adapted to receive the points of the tongues, the bodies of the tongues being bowed outwardly to form loops E, between which and the portions of the plate back of the same, the bond F is adapted to be received and controlled thereon, it being noticed that the tongues are constructed of flexible or pliable metal or material, preferably copper, whereby they may be pressed firmly over the bond so as to embrace the same and be contained in the keepers, thus reliably connecting the bond with the plate A and holding it in position thereon, it being evident that owing to said flexible or pliable tongues, the bond may be most conveniently applied to and removed from the plate by proper manipulation of the tongues.

In Fig. 5, I show a tongue such as G, which is cut-out of the body of the plate A' and bent into the shape of a loop E'.

In Fig. 6, I show a plate with a turned-out loop H, both forms Figs. 5 and 6 receiving the bond as in Fig. 2.

It will be noticed that if there are any stray currents from the cable B, they will be communicated from the latter to the bond F, and so grounded to prevent burning-out of the cable at some place in the length of the cable, the bond being furthermore adapted to be deflected to an adjacent cable and connected with the plate thereon, while one end of the bond is grounded in any suitable manner for the purpose above set forth.

The plate has perforations J therein so that when a hot soldering iron is applied to said plate, the solder will flow through said perforations and unite with the latter, and thus most firmly connect said plate with the cable, said plate having also slots K therein, so that the solder may flow around the portion of the bond back of said slots, thus binding the bond to the plate.

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

1. A support for an electric bond, a tongue carried thereby adapted to embrace the bond, and means forming a part of said plate for holding said tongue in close engagement with the bond.

2. A support for an electric bond composed of an attaching plate, and a tongue and a keeper on said plate, said keeper being integral with the plate.

3. A support for an electric bond composed of an attaching plate, a tongue and a keeper, said tongue and keeper being on said plate, and said tongue being flexible and adapted to embrace the bond and be secured to said keeper.

4. A support for an electric bond composed of a plate, solder-receiving perforations in said plate, a holder on said plate adapted to embrace a bond, and a keeper for said holder, said plate being adapted to be attached to an electric conductor.

5. In a support for an electric bond, an attaching plate having a loop thereon adapted to receive a bond, and a slot at or about the back of said bond adapted to receive solder and permit it to flow around the bond.

THOMAS J. COPE.

Witnesses:

JOHN A. WIEDERSHEIM,  
HARRY C. DALTON.