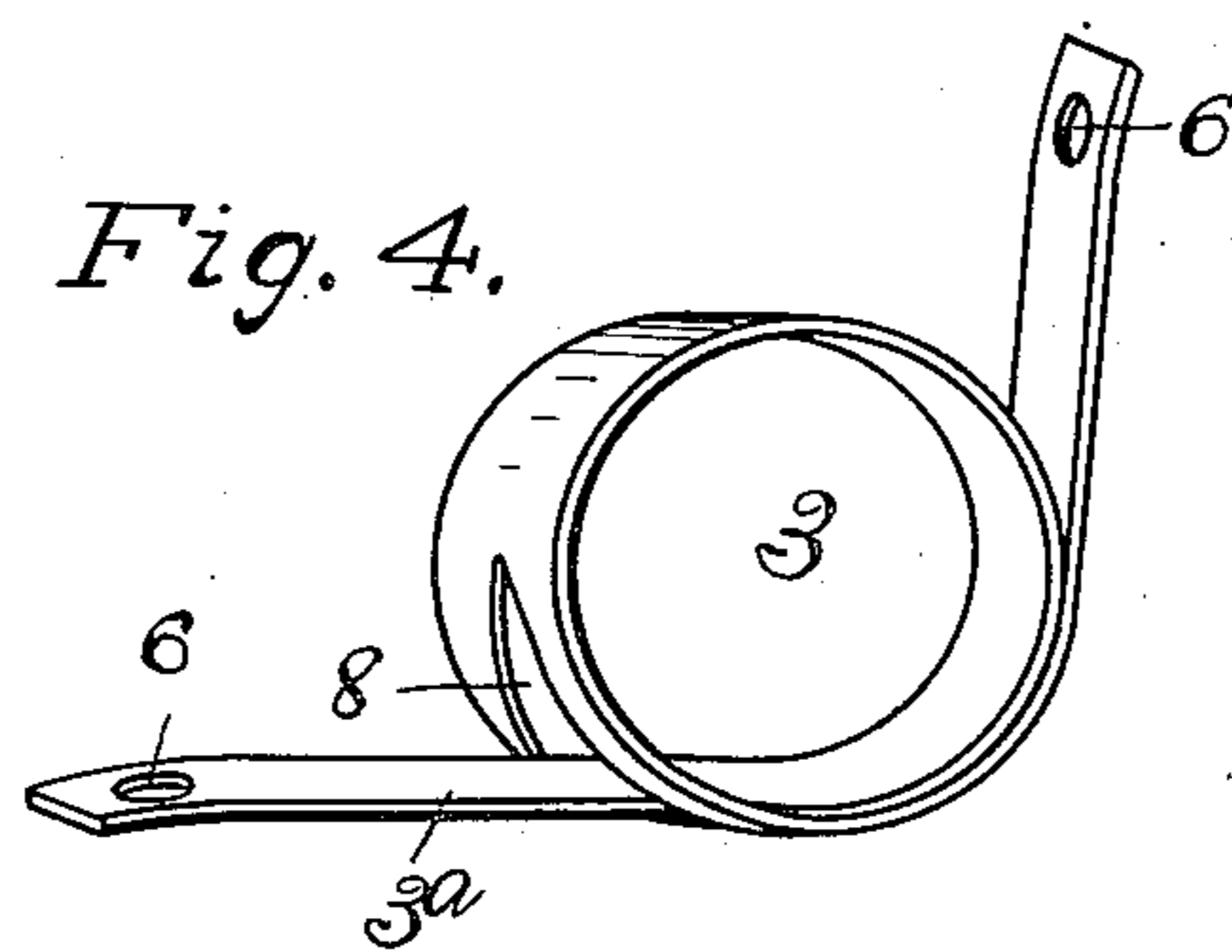
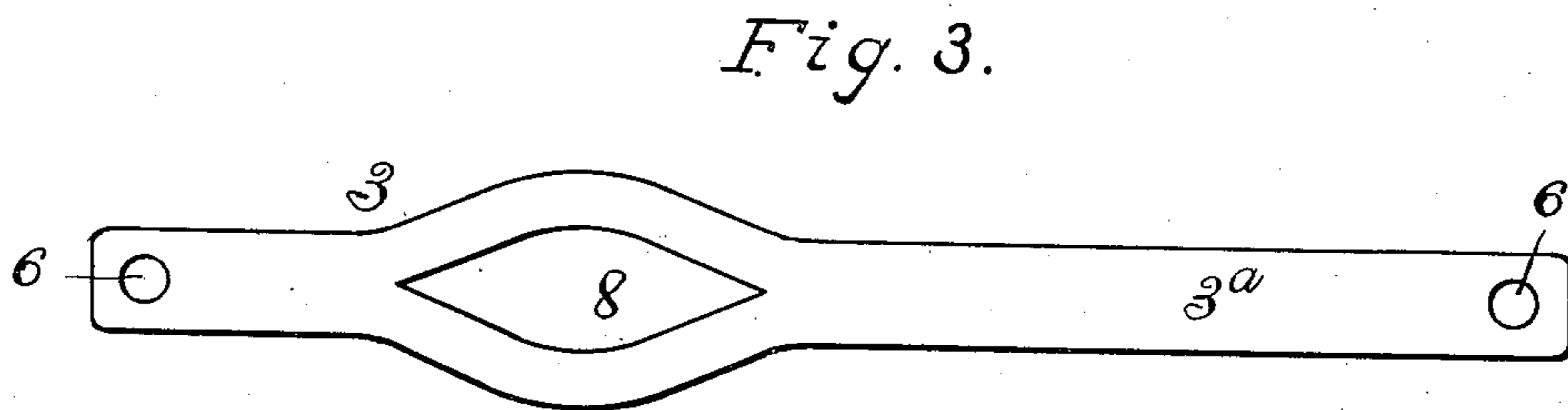
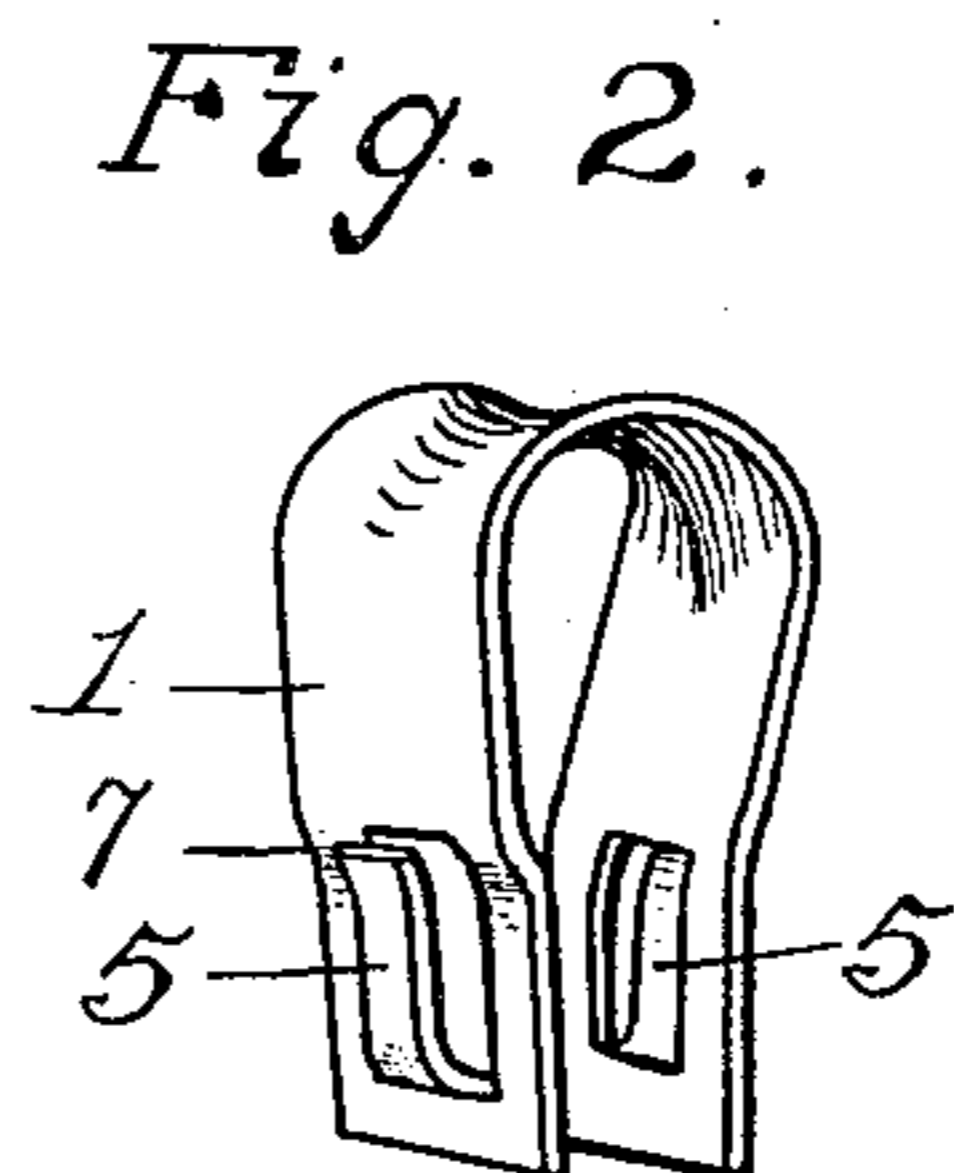
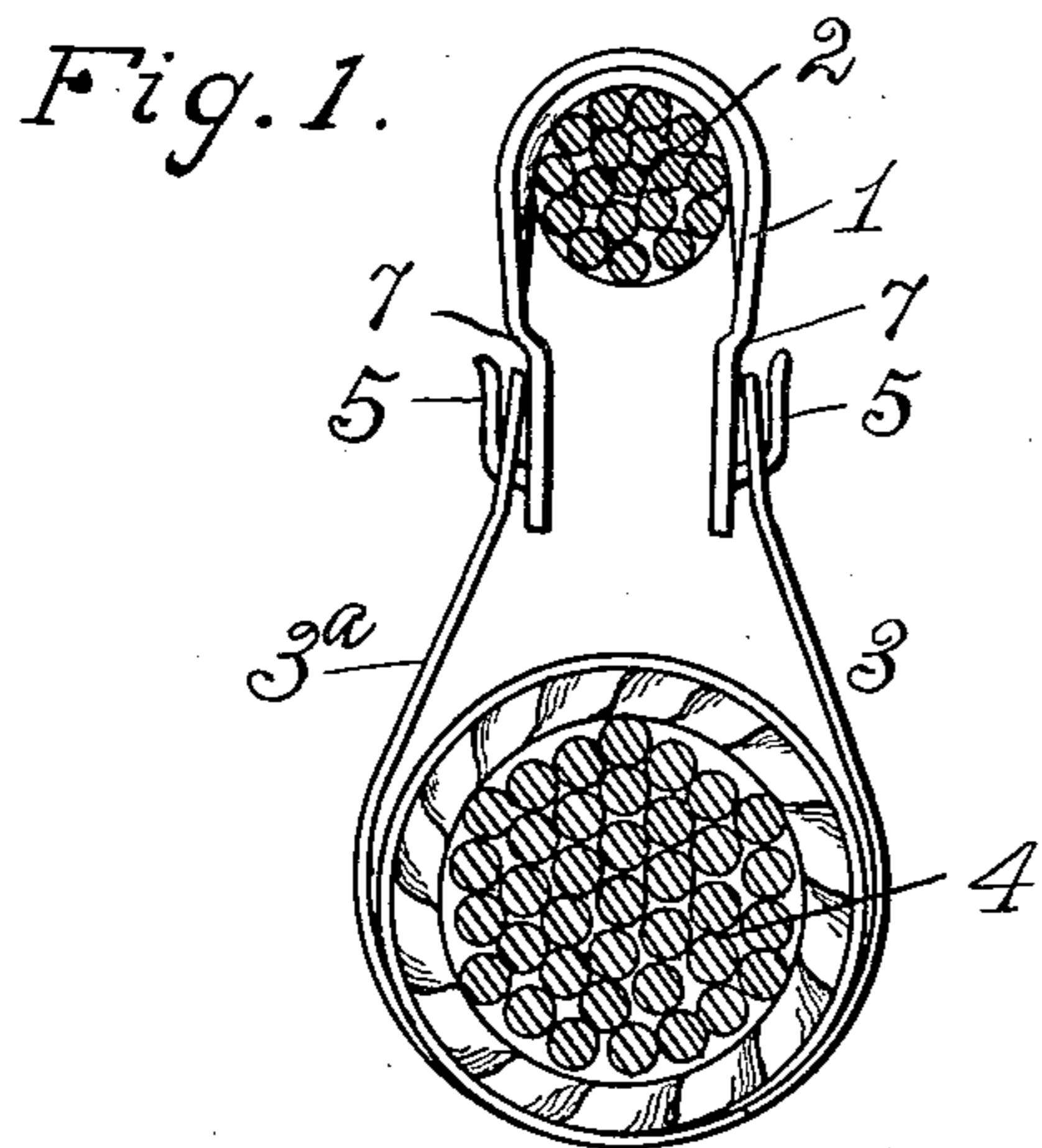


No. 856,099.

PATENTED JUNE 4, 1907.

C. L. PEIRCE, JR.
CABLE HANGER.

APPLICATION FILED SEPT. 13, 1906.



Witnesses.
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UNITED STATES PATENT OFFICE.

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CABLE-HANGER.

No. 856,099.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed September 13, 1906. Serial No. 334,379.

To all whom it may concern:

Be it known that I, CHARLES L. PEIRCE, Jr., a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improved Cable-Hanger; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to devices for suspending wires and cables from their messengers or supporting wires, and more particularly to such cables as constitute electrical conductors for telegraph and telephone circuits, which owing to their weight are incapable of supporting themselves when suspended from poles spaced apart at the usual intervals.

The object of my invention is to provide a hanger of simple, strong and durable construction which is provided with broad cable-bearing surfaces, is capable of quick and easy application to and detachment from its associated cables, and is incapable of accidental displacement.

A further object is to provide an improved cable-hanger which can be easily slid along the messenger wire, but which tightly grips the suspended cable in such manner as to absolutely preclude an accidental bunching or undue separation of the hangers.

The operation, construction and association of the parts of my hanger are fully described in the following specification, and one embodiment thereof shown in the accompanying drawings, in which,—

Figure 1 is a cross-section of a supported cable and its suspending messenger with my improved cable-hanger applied thereto. Fig. 2 is a perspective view of the hook member of the hanger detached from the cable-engaging loop or band. Fig. 3 is a plan of the loop member or cable-engaging band, and Fig. 4 is a perspective view of the same partially looped into the position it assumes when applied to a cable.

Referring to the drawings, 1 designates the portion of my hanger which forms the hook and rides on or engages the messenger-wire

or cable 2, and 3 the portion thereof which forms the loop or suspender member for engaging with and supporting the conductor-cable 4.

The hook 1 consists of an inverted U-shaped member, which is preferably stamped from sheet-metal and formed with the outwardly-pressed tongues 5 at or near its terminals, said tongues forming hooks for engaging with eyes 6 in the ends of the loop member 3. The terminals of the hook 1 are slightly stepped or offset inwardly, as shown, to form shoulders 7 in substantial transverse alinement with the ends of the tongues 5. These shoulders are designed to coact with the ends of the loop 3 to prevent an accidental disengagement thereof, as well as to prevent an accidental engagement with the tongues, of other wires that are being strung along the line. The body or messenger-engaging portion of the hook 1 is preferably pressed oval in cross-section, so as to present a rounded surface to the messenger, thus preventing the sharp edges of the metal from cutting or injuring the supporting-messenger.

I wish it to be understood that while special claim is made for this construction of hook, I do not restrict myself to its use in connection with the other features of my present invention.

The loop 3 of my invention consists of a flexible strap-like member of required length, which is stamped from light sheet-metal, pressed fiber, leather, or other suitable material combining the qualities of strength and flexibility. Toward one end thereof the strap forming the loop 3 is provided with an expanded slit 8, the width of which at its center is sufficient to permit the end 3^a of the strap to be passed freely therethrough, as shown in Fig. 4.

In order that the loop member may not be weakened at the point of the slit 8, the combined width of the portions of the same bounding the sides of said slit are left equal to the width of the remainder of the loop member.

While I do not restrict myself to the use of any particular form or size of opening 8, it is preferable to shape the same substantially as shown in the drawings, as this neither impairs the strength of the band nor wastes the material.

In the application of my improved hanger

to a messenger wire and its associated conductor-cable, the hook 1 is placed over the messenger wire with its legs straddling the same and the eye 6 at one end of the loop member 3 having the opening 8 therein placed in engagement with one of the tongues 5 of the hook. The hook and loop being thus engaged and the hook placed over the cable, the opposite end of the loop is drawn entirely around the conductor-cable 4, passed through the opening 8, and the eye 6 thereof engaged with the free tongue 5 of the hook, as shown in Fig. 1 and partially illustrated in Fig. 4. The slit 8 of the loop or suspender is so located that it coacts directly with the under side of the supported cable, thus providing a broadened supporting surface for the cable and also causing its weight to be distributed equally to both ends of the loop, inasmuch as the cable bears both upon the broadened portion of the loop and the portion of the end 3^a thereof passing through the opening 8. The application of the loop in this manner causes it to have a slip-noose action relative to the cable 4 and to tighten thereon from the weight of the cable.

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

1. A cable-hanger consisting of a hook member formed at its ends with cooperating securing means, and a loop member for engaging said securing means, said loop member having an opening through which one of its ends is passed preparatory to being engaged to the hook.

2. A cable-hanger consisting of a hook having cooperating securing means on its

ends, and a flat flexible suspender having an opening intermediate its ends through which one end is passed in forming a loop and its ends engaged to the securing means on the hook.

3. A cable-hanger consisting of a hook having cooperating securing means on its ends, and a stamped flexible loop member having a portion near one end thereof broadened and provided with an opening for receiving the opposite end as it is passed around the supported cable said opening falling beneath the cable.

4. A cable-hanger consisting of a clip, and a flat pliant suspender for passing entirely around the cable and having an expanded slit which falls substantially on the under side of the cable and through which one end of the suspender passes, the ends of the suspender being secured to the clip.

5. A cable-hanger consisting of a stamped metal saddle member having tongues pressed from its ends to form cooperating securing means, and a pliant cable engaging member attached to said securing means.

6. A cable-hanger consisting of a stamped metal hook having its ends stepped and securing tongues pressed therefrom, and a suspender engaging said tongues and prevented from accidental displacement therefrom by the shoulders formed by said stepped portions.

In testimony whereof I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

CHARLES L. PEIRCE, JR.

Witnesses:

A. S. HAASE,

H. J. KEESSEL.