

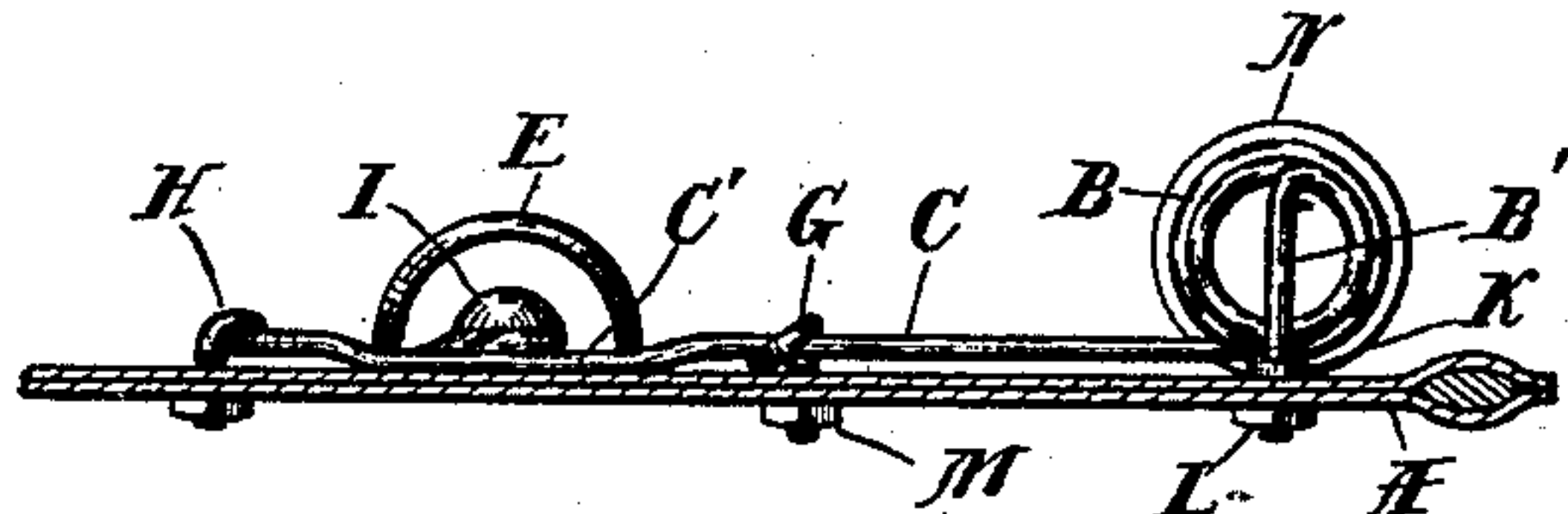
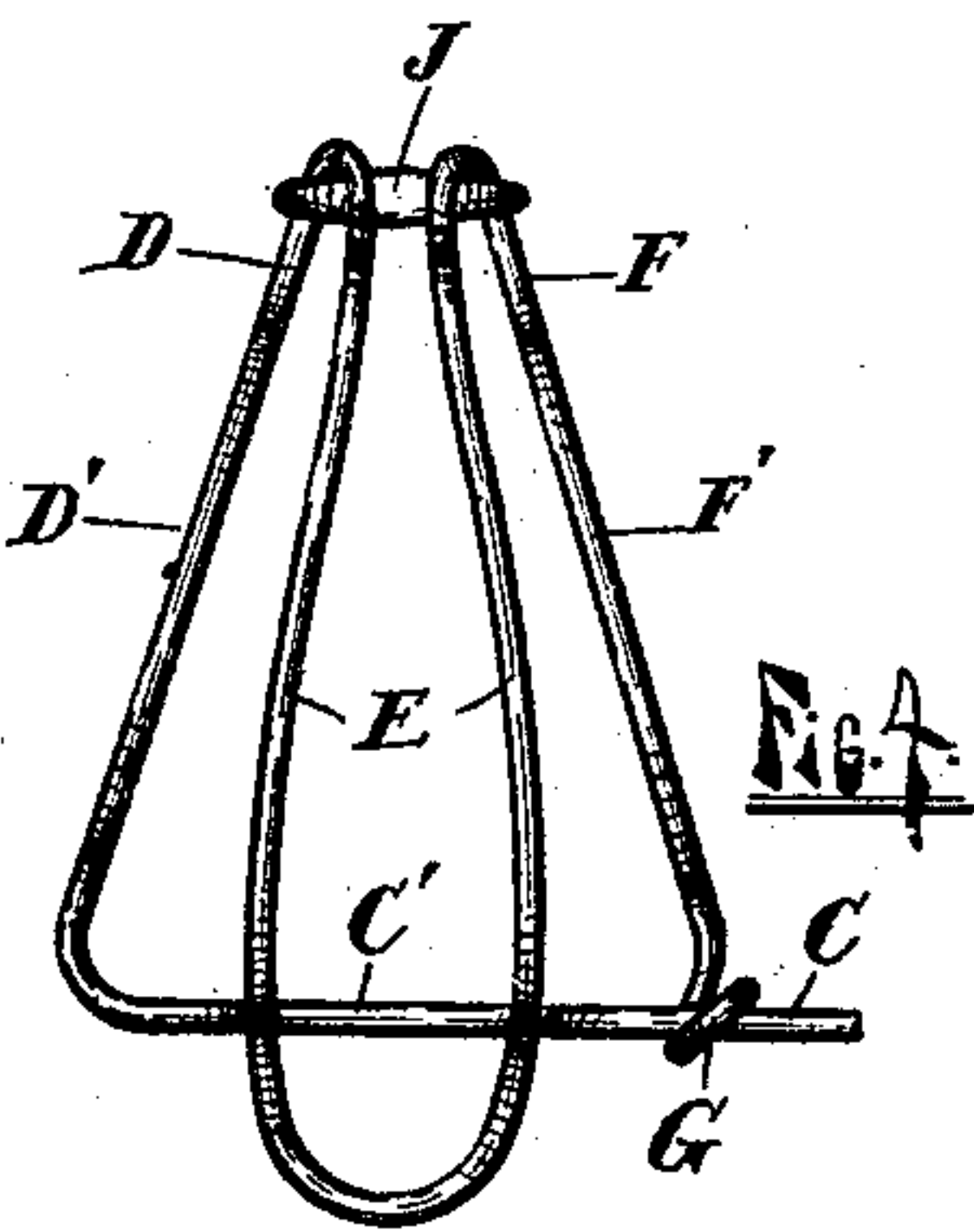
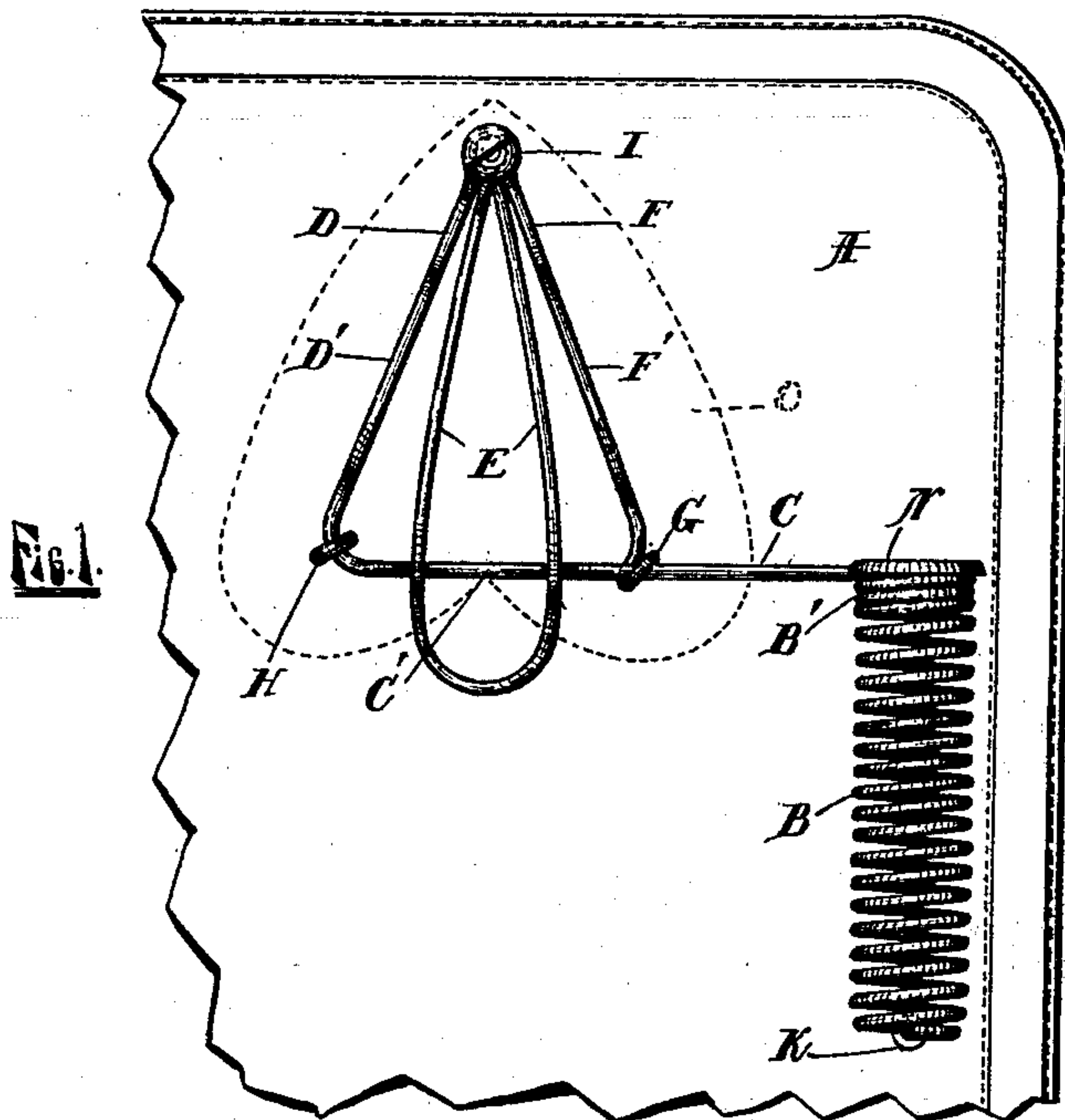
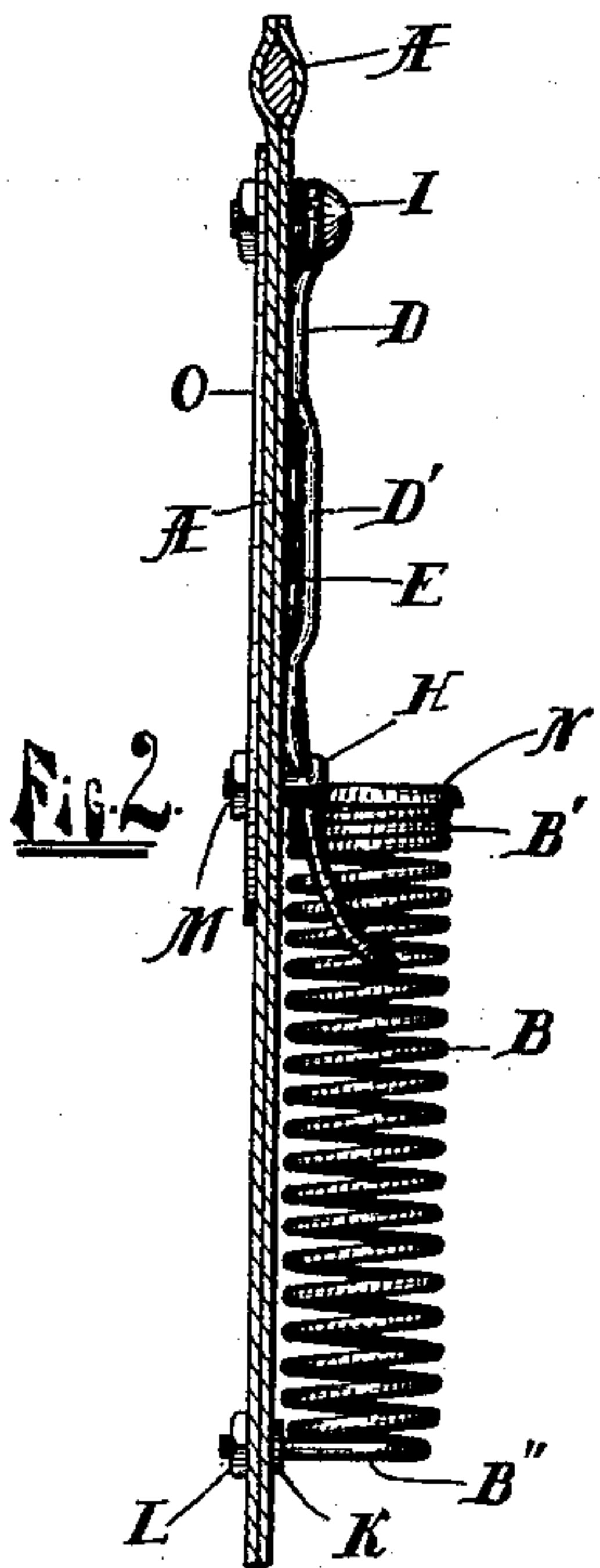
No. 622,931.

Patented Apr. 11, 1899.

J. H. SULLIVAN.
COMBINED WHIP AND REIN HOLDER.

(Application filed May 5, 1897.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN H. SULLIVAN, OF GRAND RAPIDS, MICHIGAN.

COMBINED WHIP AND REIN HOLDER.

SPECIFICATION forming part of Letters Patent No. 622,931, dated April 11, 1899.

Application filed May 5, 1897. Serial No. 635,205. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. SULLIVAN, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Whip and Rein Holders; 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.

My invention relates to a whip-socket and rein-holder; and its object is to provide the same with certain new and useful features hereinafter more fully described, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a rear elevation of a device embodying my invention; Fig. 2, a side elevation of the same, viewed from the left of Fig. 1; Fig. 3, an inverted plan view of the same, and Fig. 4 a detail showing a modified fastening for the line-holder proper.

Like letters refer to like parts in all of the figures.

The device consists, essentially, of a continuous wire bent in the form shown and means for securing the same to the dash of a vehicle. The open spiral portion B forms a tubular socket for the whip, the lower turns being reduced in diameter and the lower end B' of the wire being turned across the axis of the coil to support the whip and also extended through the dash A of a vehicle and provided with a fixed collar K and nut L to secure it to the same. The upper turns B' of the spiral portion of the wire are close and surround a suitable elastic bushing N to engage the sides of the whip. The wire is then extended horizontally along the surface of the dash A a suitable distance, as at C, being provided with a depressed portion C', and thence turned upward at an acute angle and extended upward a suitable distance to a bolt I, around which bolt it is bent, and thence extended downward in a flexible loop E, having an outwardly-curved lower end, and again around the bolt I, and thence at an inclination downward to about the middle of the part C, and thence in a turn around the same, and then through the dash, and provided with

a nut M on its end to secure the same in place. A hook-bolt H engages the outer angle of the described triangle and secures it in place. A rein-holder is thus formed consisting of a triangular structure formed of the outer horizontal end of the part C, having the depression C', the inclined sides D and F having raised portions D' F', said structure being secured at its respective angles to the dash and having a downwardly-extended flexible loop E resting against the depressed part C', said loop having an outwardly-curved lower end to facilitate inserting the reins beneath the same.

In lieu of the bolt I, I prefer to use a T-bolt J, as in Fig. 4, having the respective ends of its head engaged with bends in the wire, as shown in Fig. 4. O is a substantially triangular plate opposite the rein-holder and held by the same fastenings. This serves to oppose the pressure of the loop E and hold the dash flat against the same, and also serves as a seat-plate for the nuts on the fastenings of the said holder. The loop E engages the surface of the reins and presses the same firmly against the dash A, and the raised portions of the wire D' F' engage the inner sides of the reins and bend the same outward, thus increasing the friction thereon and holding them firmly in place.

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

1. As an improved article of manufacture, the herein-described rein-holder and whip-socket consisting of a single piece of wire bent spirally near one end to form the whip-socket and having one extremity extended across the axis of the coil at the lower end thereof and provided with means for attaching it to a support, and the wire at the upper end of the coil extending horizontally therefrom to form the lower member of the rein-holder, thence bent inclinately upward to form one side of the rein-holder, thence downward and upward to form a flexible loop, thence inclinately downward to form the other side of the rein-holder, said sides diverging from their upper ends to the horizontal member and the flexible loop being disposed intermediate the sides, and the other extremity of the wire being bent around the

horizontal member and provided with means for attaching it to the support, substantially as described.

2. As an improved article of manufacture,
5 the herein-described rein-holder and whip-socket formed from a single piece of wire, one portion of the wire being bent in the form of a spiral coil to constitute the whip-socket, and the other portion being bent to form a
10 triangle and a flexible loop vertically disposed between the sides of the triangle, the horizontally-disposed side of the triangle having a depressed portion intermediate its ends

with which the lower free end of the loop engages, and the other two sides of the triangle 15 having raised portions intermediate their ends, and the extremities of the wire being provided with means for attaching them to a support, substantially as and for the purpose described. 20

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

JOHN H. SULLIVAN.

Witnesses:

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LEWIS E. FLANDERS.