

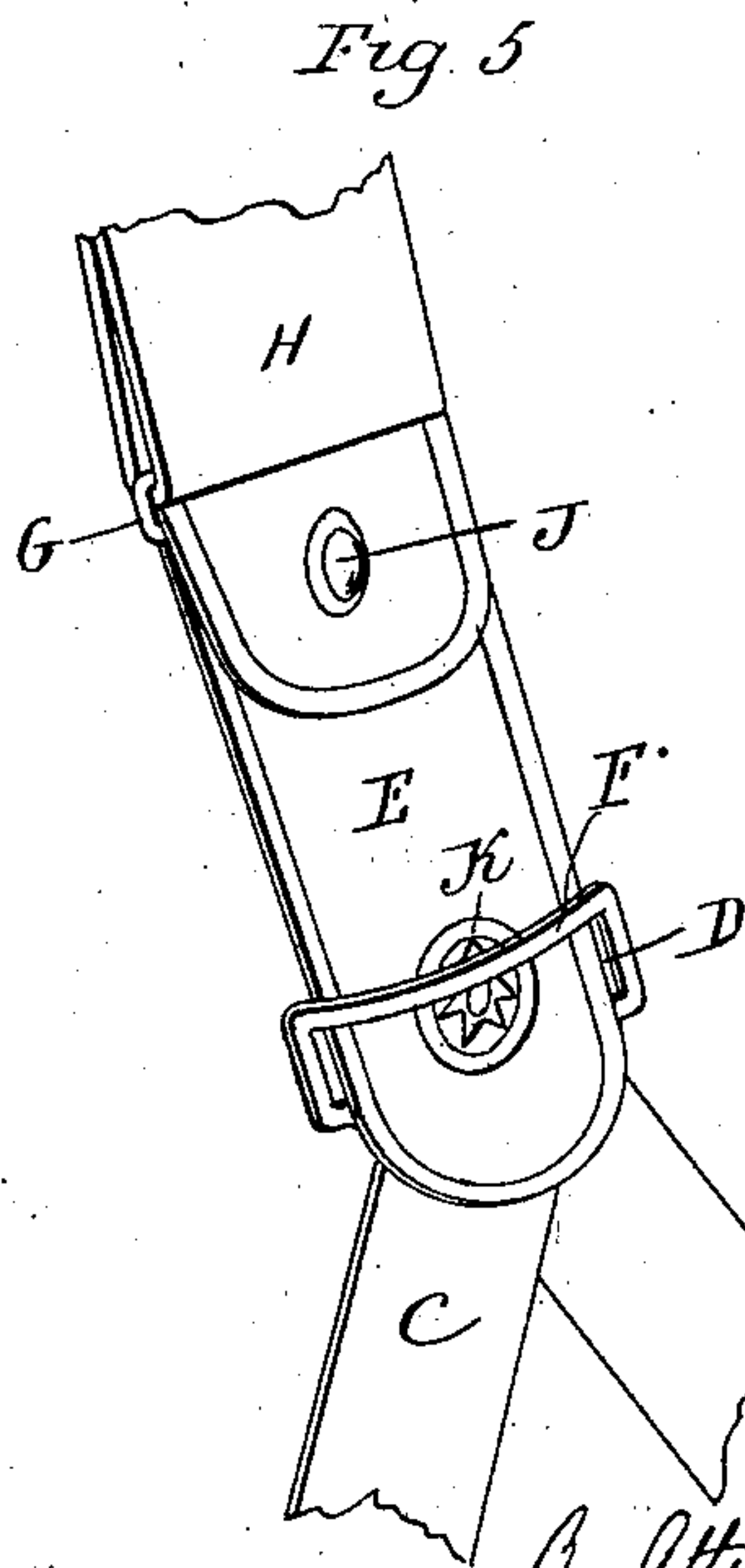
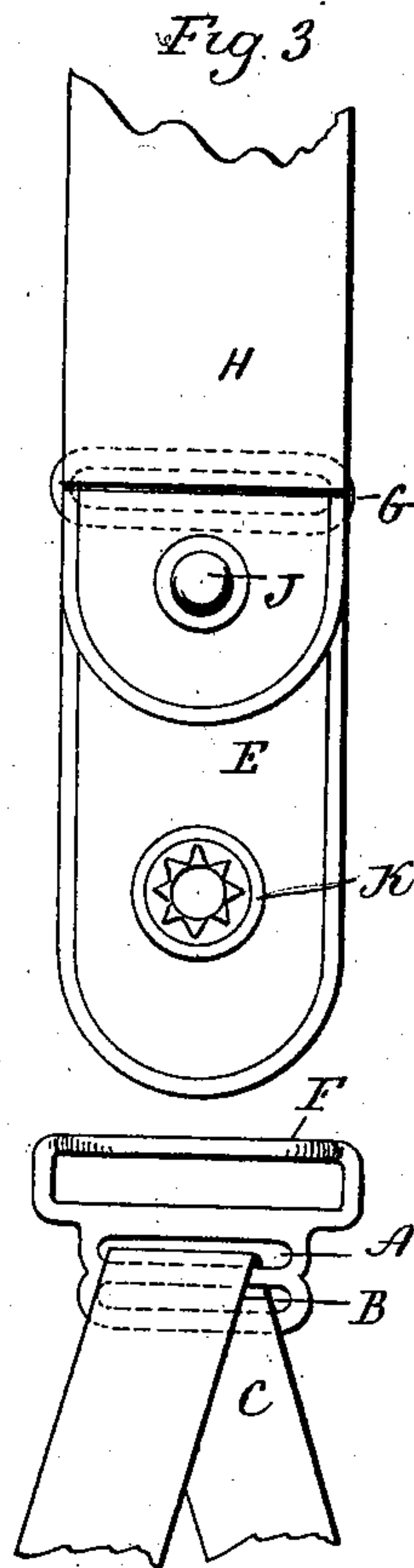
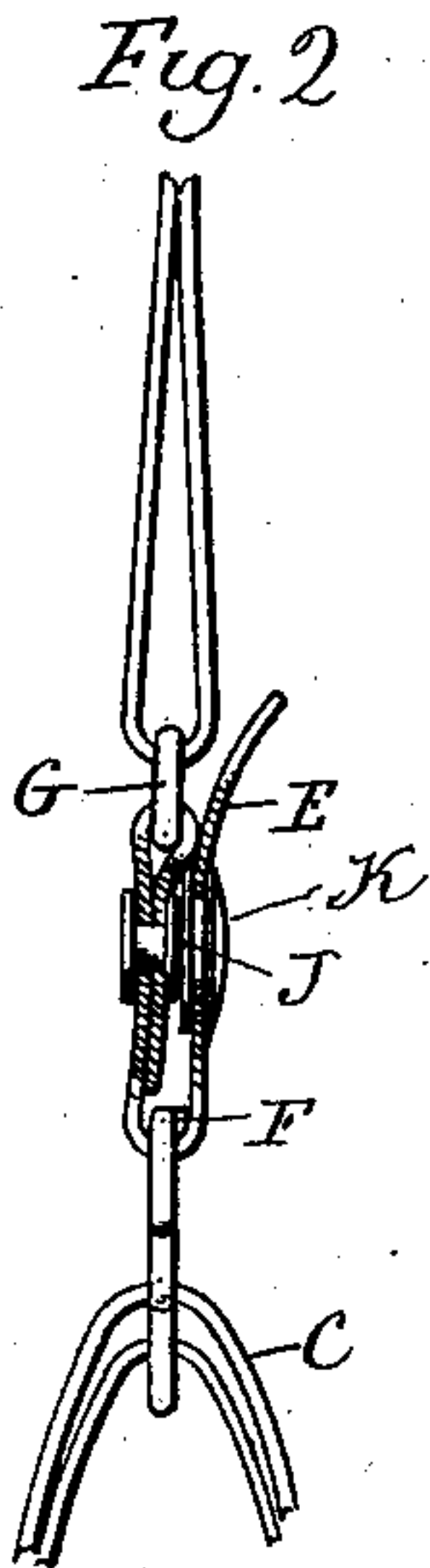
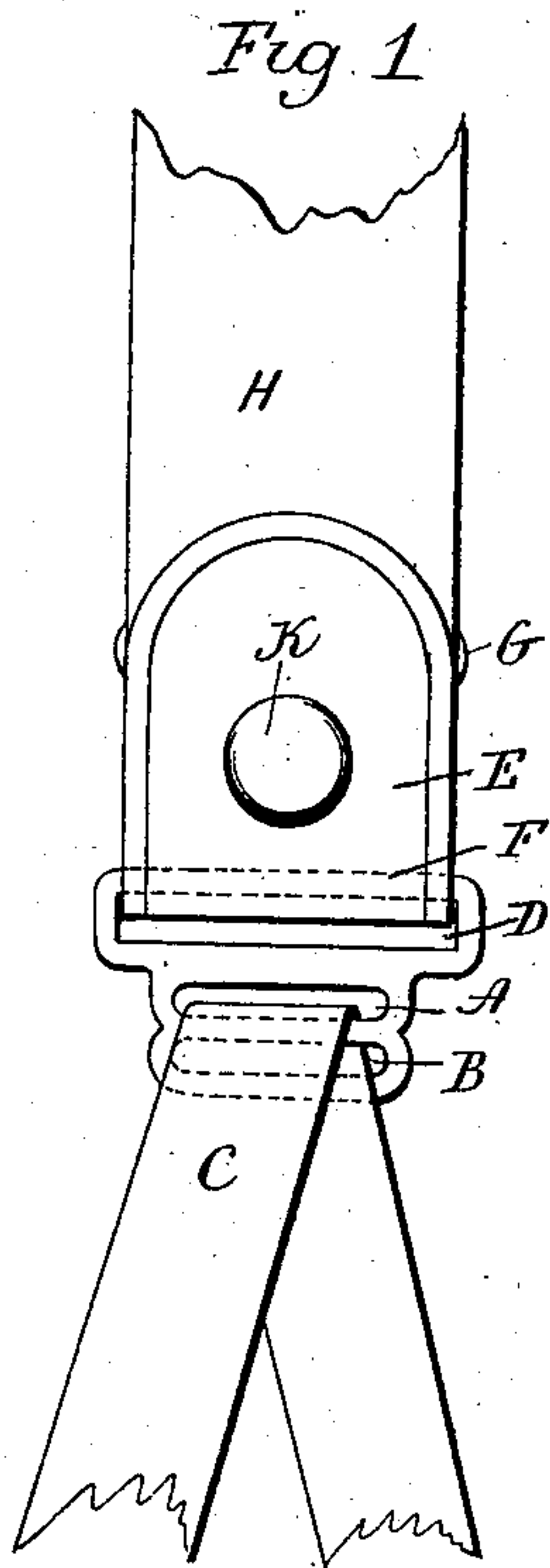
No. 710,092.

Patented Sept. 30, 1902.

H. E. BARNETT.  
LOOP FOR SUSPENDER ENDS.

(Application filed Apr. 17, 1902.)

(No Model.)



Witnessed.  
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Clara L. Reed.

Henry E. Barnett,  
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By Atty. Seymour Pearce

# UNITED STATES PATENT OFFICE.

HENRY E. BARNETT, OF EASTHAMPTON, MASSACHUSETTS, ASSIGNOR TO  
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## LOOP FOR SUSPENDER-ENDS.

SPECIFICATION forming part of Letters Patent No. 710,092, dated September 30, 1902.

Application filed April 17, 1902. Serial No. 103,311. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY E. BARNETT, of Easthampton, in the county of Hampshire and State of Massachusetts, have invented a new and useful Loop for Suspender-Ends; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a face view of a cast-off for suspenders, including a loop for the suspender-end, cast-off strap, and a portion of the suspender-end and suspender-web; Fig. 2, a side view, partially in section, of the same. Fig. 3, a front view with the cast-off strap in its open position and disengaged from the loop of the suspender-end; Fig. 4, a top view of my improved loop; Fig. 5, a perspective view of a cast-off strap and loop, showing the socket member of the fastening device passing freely through the loop.

This invention relates to an improvement in loops for suspender-ends—that is, the loop to which the suspender-end is attached and with which the cast-off is connected, and particularly of cast-offs for suspenders of the “Guyot” type.

As usually constructed, the loop has two slots through which the suspender-end slides and an upper slot through which the cast-off strap extends, the bars forming the loop being all in the same plane. With loops of this character the cast-off generally consists of a strap fixed at its upper end to a loop through which the suspender-web passes, the free end of the strap passing through the upper slot of the loop of the suspender-end and upward into engagement with itself, the means of engagement commonly employed being the ball-and-socket fastener, the socket being secured to the front end of the strap. With the usual loop for a suspender-end it is necessary that the socket member shall pass horizontally through the upper loop in order to permit the strap to be disengaged therefrom; but in common practice the socket member will catch

or bight on the loop and prevent ready displacement.

The object of this invention is to so construct a loop for a suspender-end that the cast-off strap, with its socket member, will readily pass through it, and thereby permit the suspender-end to be readily disengaged; and it consists in outwardly bowing the top bar of the loop of the suspender-end, so that the cast-off strap may be drawn upwardly through it without having the socket member bind or wedge in the loop; and the invention consists in the construction as will be more fully hereinafter described, and particularly recited in the claim.

As shown in the drawings, the loop for a suspender-end like those hitherto constructed consists of a member having two slots A B, through which the suspender-end C may be passed, and a wider slot D, through which the cast-off strap E extends, the cast-off loop being substantially the same as hitherto constructed, except that its upper bar F is outwardly bowed beyond the plane of the slots A B, as clearly shown in Fig. 4. As in suspenders as heretofore constructed, the cast-off strap E is secured at one end to a loop G, through which the suspender-web H passes. At the upper end of the cast-off strap E is a ball or stud member J, and at the outer end of the strap is a socket member K of the usual stud-and-socket fastener, the free end of the strap being adapted to be passed through the slot D and the socket connected with a stud, as shown in Figs. 1 and 2, so as to connect the suspender-end with the suspender-web.

By bowing the upper bar of the loop a clearance-opening is formed, which permits the cast-off strap to be drawn upwardly through the loop D and avoids the possibility of the socket member becoming wedged therein.

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

The combination with the cast-off strap of suspenders, the free end of the strap having a socket member of a ball-and-socket fastener secured thereto, of a loop consisting of a flat plate with which the suspender-end is con-



nected and formed with a slot through which the cast-off strap extends, the upper bar of said slot being outwardly bowed, whereby the cast-off strap for the socket member may  
5 freely pass through the slot, substantially as described.

In testimony whereof I have signed this

specification in the presence of two subscribing witnesses.

HENRY E. BARNETT.

Witnesses:

PHILIP MAYHER,

C. N. PARKER.