

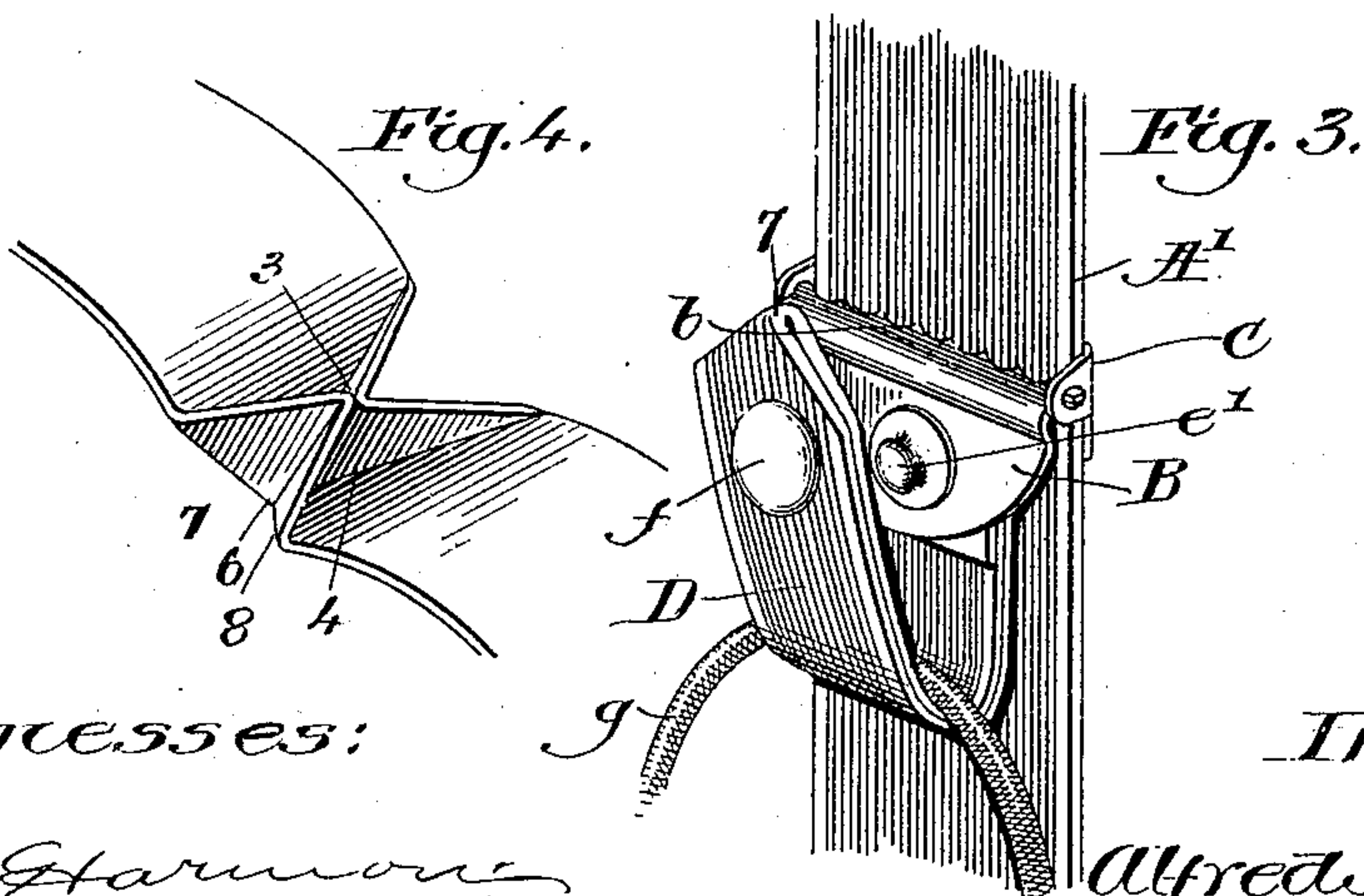
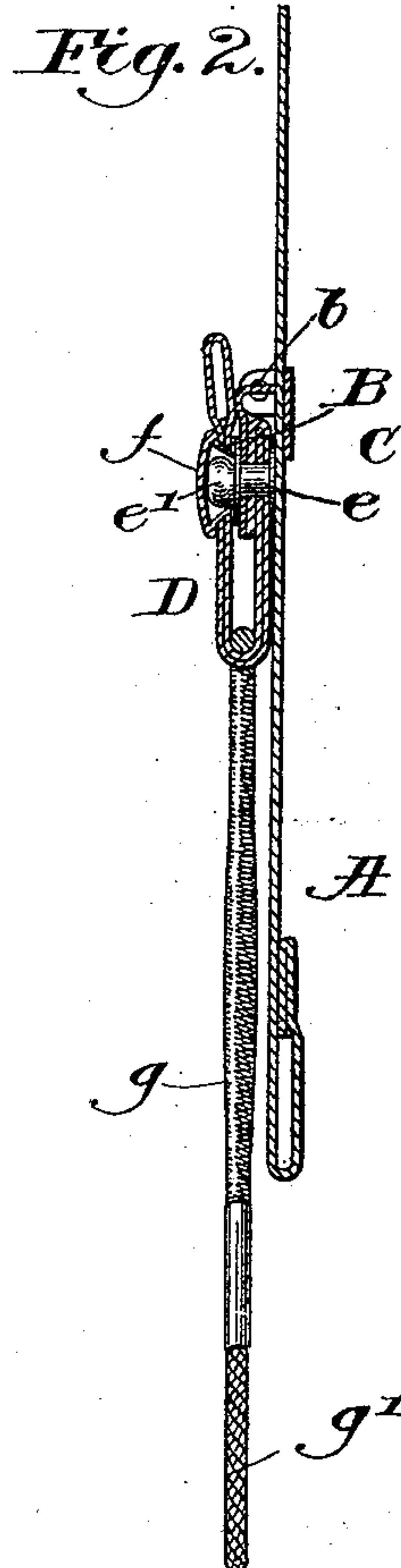
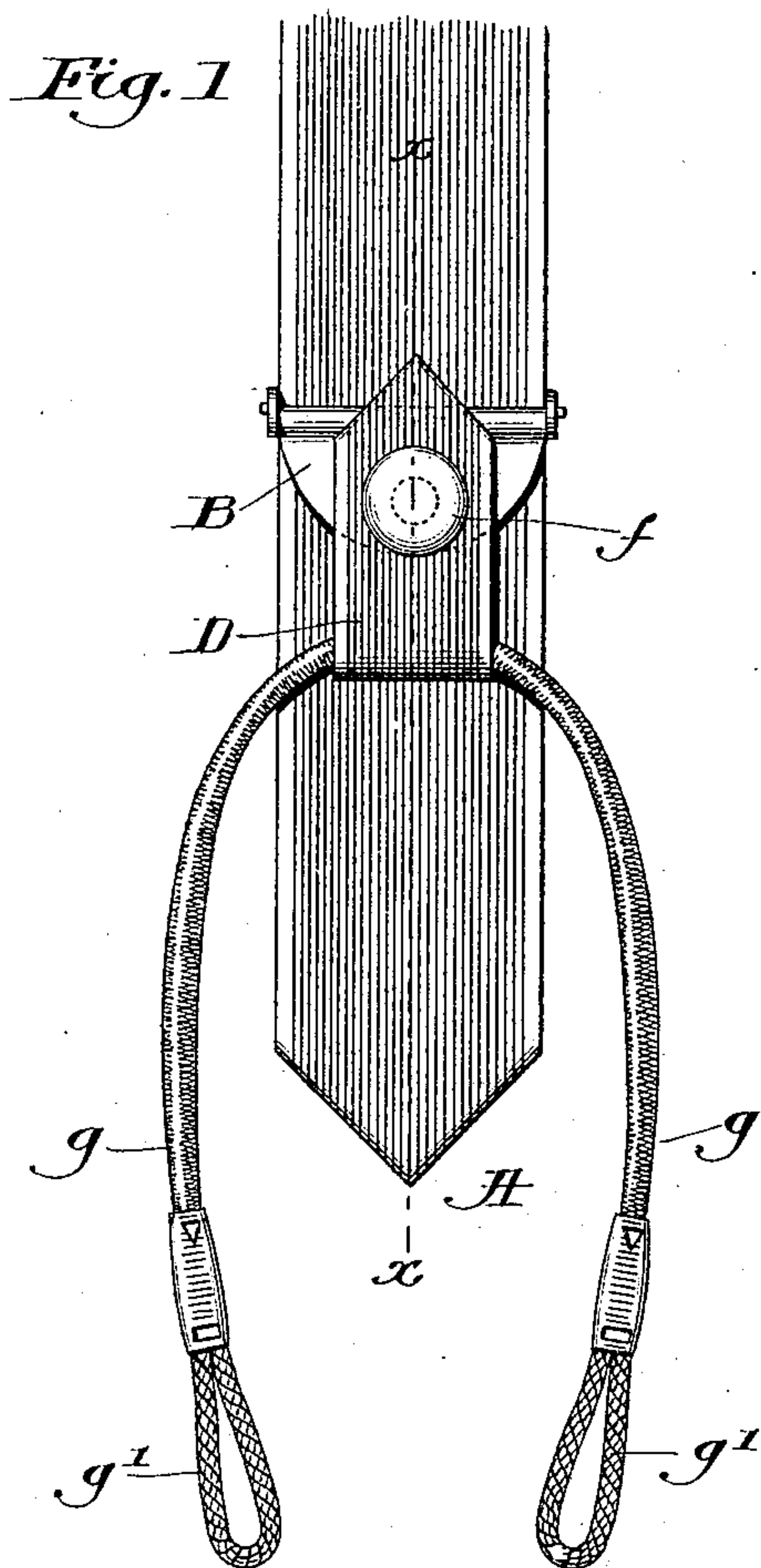
No. 620,399.

Patented Feb. 28, 1899.

A. M. ZIEGLER.
SUSPENDER MOUNTING.

(Application filed Jan. 10, 1898.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

ALFRED M. ZIEGLER, OF BOSTON, MASSACHUSETTS.

SUSPENDER-MOUNTING.

SPECIFICATION forming part of Letters Patent No. 620,399, dated February 28, 1899.

Application filed January 10, 1898. Serial No. 666,193. (No model.)

To all whom it may concern:

Be it known that I, ALFRED M. ZIEGLER, of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Suspenders, of which the following description, in connection with the accompanying drawings, is a specification, like letters and numerals on the drawings representing like parts.

10 This invention has for its object the production of a strong, convenient, and serviceable mounting for use with suspenders to enable the end pieces to be cast off from the suspender quickly, thus obviating taking said
15 end pieces from usual buttons. In this my invention the end piece, which may be of any usual form having two buttonholes, is strung on a flexible cast-off, which is supported by a metallic plate suitably sustained by the sus-
20 pender-web, the attaching of said cast-off to a metallic plate adding very materially to the strength, durability, and appearance of the suspender or brace with which it is used. The cast-off is fixed to said plate, and preferably it may be secured thereto by a rivet, and
25 said rivet may also serve to hold in position the ball part of a ball-and-socket fastener of usual construction, the socket part of said fastener being applied in usual manner to the
30 said cast-off near its free end.

Figure 1 shows a part of a piece of web employed for a suspender or shoulder-brace with my improved cast-off applied in accordance with one form of my invention. Fig. 2 is an
35 edge view and section of the part shown in Fig. 1 in the dotted line *x*. Fig. 3 is a detail showing the cast-off as unlocked, and Fig. 4 is a detail showing the manner of finish for the free end of the cast-off.

40 The web A is and may be of any usual kind employed in suspenders and braces, and as I have chosen to illustrate my invention the web sustains a metallic plate B, herein represented as pivoted in ears of a back rest C, said plate having, as shown, a toothed lip *b*
45 to bear on and engage the web; but this invention is not limited to the particular shape of the metallic plate so long as said plate constitutes a seat for the cast-off D. The cast-
50 off is flexible, and it may be made from narrow webbing folded on itself and so held to-

gether at its free end as to present a finished point. To present this point and not be obliged to bind it, I have discovered that the opposite edges of the web may be brought
55 together and in such condition be stitched across, thus leaving a line of stitches from 3 to 6, (see Fig. 4,) and thereafter the web will be folded crosswise one part on the other, which will result in leaving a finished pointed
60 end, as shown in Figs. 1 and 3. The two free ends of the cast-off will then be applied together against, preferably, the rear side of the said metallic plate of whatever form, (see Fig. 2,) and then the cast-off may be united or
65 fixed in position on or with relation to said plate by suitable means, such as a rivet or stud *e*, capable of having applied to its small end exposed at the face of said plate the ball part *e'* of any usual ball-and-socket fastener.
70 The socket part *f* of said fastener is shown as applied to the said cast-off at or near its free end.

The end piece *g*, having suitable ends *g'* to engage a button, may be of any usual form,
75 and the central part of the end piece is slung in the flexible cast-off. The latter, with its socket part engaging said ball part, locks the cast-off, so that it surrounds and holds onto the end piece, which may be kept buttoned
80 onto the garment to be held up.

The inner end of the material used in the cast-off is connected behind the metallic plate B and is seated firmly against said plate by the head of the rivet used, and in this way the
85 end piece is very securely held in working position.

The free end of the cast-off and also the free end of the web A need to be finished to a point, and to do this and to obviate binding
90 and leave the web at the point uncut I have folded over that part of the web where the point is to be left so that one edge thereof meets the opposite edge, and I then stitch the web together transversely by a line of stitches
95 extending from 6 to 3 in Fig. 4. I then take the stitched web, open the same out to its fullest extent at each side said line of stitching, and then fold the said web transversely, laying one part of the web flat on the other
100 part, and during such operation the web is made to present pockets 3 and 4 with infolded

sides, which are laid one on the other, leaving folded edges 7 and 8, said folded edges being tapered at each side of the point.

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

1. In a suspender-mounting, a metallic plate shaped to constitute a wide flat seat, and a flexible cast-off seated on said plate
10 and provided with one part of a ball-and-socket fastener, the other cooperating part of said fastener being located at said plate, said plate being hinged to the rest of the suspender, combined with an end piece adapted to
15 be surrounded by said cast-off, substantially as described.

2. In a suspender-mounting, a back rest, a metallic plate depending therefrom and piv-

oted thereto, and a cast-off fixed flat on said plate, said cast-off being provided with separable cooperating fasteners, substantially as described.

3. In a suspender, a web doubled on itself, the material of the web where it is cross-folded or doubled being infolded from its opposite edges toward its center line to leave a point in the web and stitched in that position to present a tapered finished end, substantially as described.

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

ALFRED M. ZIEGLER.

Witnesses:

GEO. W. GREGORY,
MARGARET A. DUNN.