

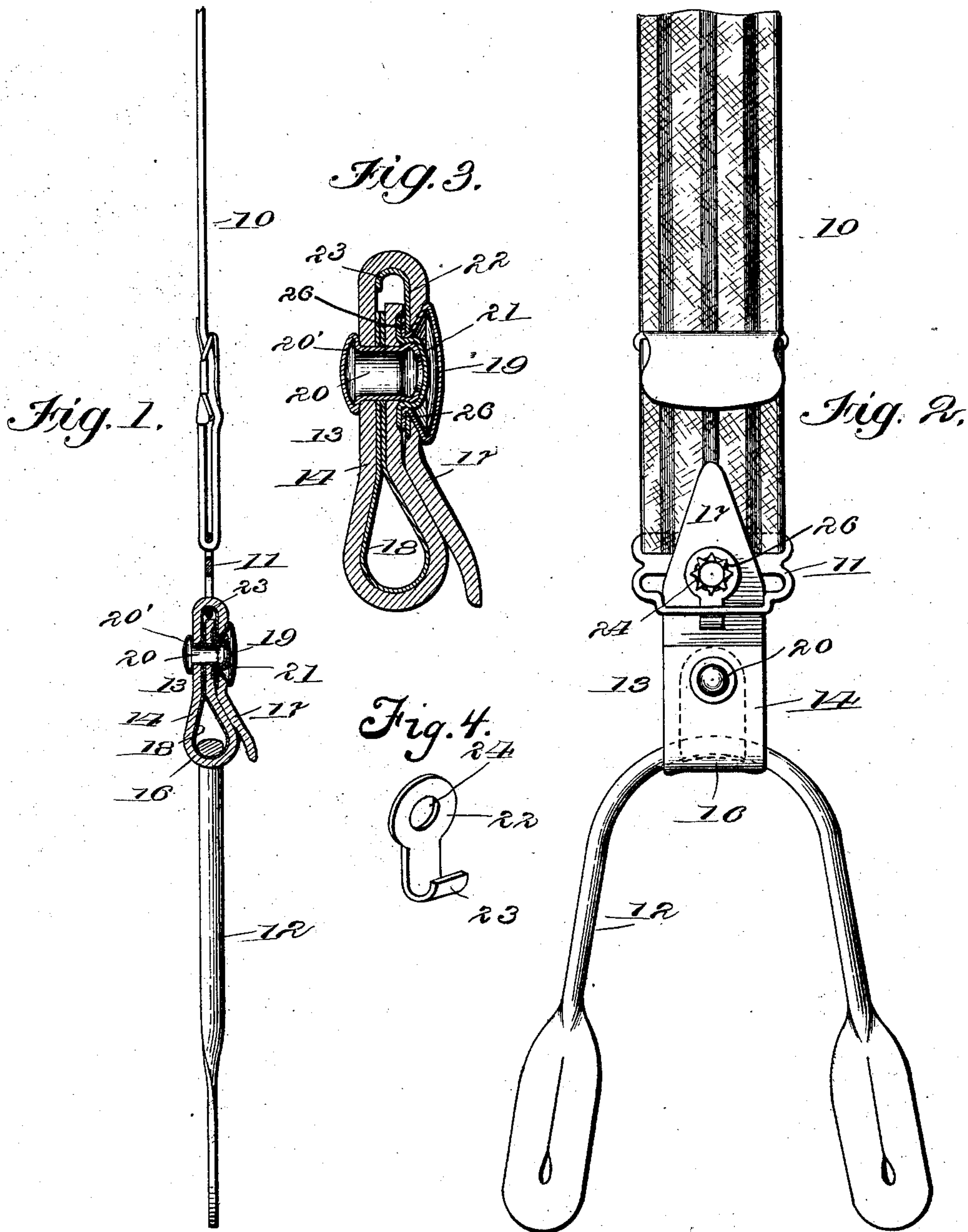
No. 717,036.

Patented Dec. 30, 1902.

J. S. SHERER.
SUSPENDER END.

(Application filed Apr. 5, 1902.)

(No Model.)



Witnesses:

H. S. Gaither
Helen L. Peck

Inventor:

Joseph S. Sherer
by W. M. Belk
Attorney.

UNITED STATES PATENT OFFICE.

JOSEPH S. SHERER, OF AURORA, ILLINOIS, ASSIGNOR TO AMERICAN
SUSPENDER COMPANY, OF AURORA, ILLINOIS, A CORPORATION OF
ILLINOIS.

SUSPENDER-END.

SPECIFICATION forming part of Letters Patent No. 717,036, dated December 30, 1902.

Application filed April 5, 1902. Serial No. 101,503. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. SHERER, a citizen of the United States, residing at Aurora, in the county of Kane and State of Illinois, have invented certain new and useful Improvements in Suspender-Ends, of which the following is a specification.

The present invention relates to novel improvements in suspender-ends, and its object is primarily to strengthen the mounting and also to prevent the loop on the web from wearing or breaking the mounting; and a further object of the invention is to provide the flap of the mounting with a strengthening-plate, which forms an intermediate link or connection between the web on the loop and the fastening device on the mounting, so that the strain will be thrown on the fastening device and not on the fold in the mounting, the plate being so constructed and arranged that the loop may be cast off by releasing the flap and reengaged therewith in the ordinary way.

The invention has other objects in view which will appear fully hereinafter in the detailed description, reference being had to the accompanying drawings, in which—

Figure 1 is a sectional view showing the parts in their normal position with the flap of the mounting fastened. Fig. 2 is a front view showing the flap of the mounting unfastened. Fig. 3 is an enlarged sectional view of the mounting. Fig. 4 is a detail view of the hooked plate.

Like numerals of reference denote corresponding parts in the several figures, and referring thereto 10 designates an ordinary web carrying the usual double loop 11, and 12 designates an end of any suitable form which is detachably connected with the web by the cast-off 13. The cast-off consists, preferably, of a leather mounting 14, having one end thereof folded upon itself to form a loop 16 and its other end made in the form of a flap 17, which passes through the loop 11 and is fastened to the folded portion of the mounting by means of a suitable fastening device, preferably in the form of a glove-fastening, the socket member 19 being carried by the flap and the shank member 20 being

carried by the looped part or main portion of the cast-off. I prefer to arrange a strengthening and bearing plate 18 within the looped part of the mounting, this plate being bent in proper shape to receive the end 12 and having its ends extended upward and secured to the mounting by the shank 20 of the fastening device, this shank passing through the looped part of the cast-off and the ends of the metal plate and having a base 20' on one end and a head-plate 21 on its other end. The looped plate 18 forms a smooth bearing for the end 12, which may be permanently or otherwise arranged therein, and it also protects the mounting from wear and throws the strain at the lower end of the mounting directly upon the fastening device. To similarly protect the upper end of the mounting and entirely relieve the mounting of strain between the web and end, I provide a metal hook made, preferably, from a plate 22, which has one end thereof bent in the form of a hook 23, directed outwardly from the flap to receive the loop 11, and its other end fastened to the inner side of the flap of the mounting by means of the socket member 19 of the fastening device, the prongs 26 on said socket member being passed through an opening 24 in the plate and turned down thereon. This hooked plate is constructed and arranged to lie against the flap of the mounting, with its hook in the fold thereof, to receive the loop on the web, and the arrangement is such that the hook and loop will be brought into engagement by inserting the flap in the loop and fastening it in the ordinary manner, and when the flap is unfastened it will slide out through the loop without requiring any special manipulation to disengage the loop from the hooked plate. In this way I provide a hooked plate to form a connection between the loop on the web and the fastening device of the mounting, which can be used without requiring any additional manipulation or operation in fastening or unfastening the cast-off. The hooked plate protects the upper end of the mounting against wear in the same manner that the looped plate protects the lower end thereof and also throws the strain at the upper end of the mounting on the fas-

tening device, so that the mounting is relieved entirely of wear from the end 12 and loop 11 and a strong connection is provided between these parts, this connection being
5 made continuous by fastening the flap portion of the mounting to the looped portion thereof in the usual manner.

An especially important feature of my invention consists in the fact that the hooked
10 plate does not require any additional operation for engaging it with or disengaging it from the loop, this result being effected by fastening and unfastening the flap in the ordinary manner.

15 I am aware that the hooked plate may be used in mountings without the looped plate and that many different forms of fastening devices can be employed, and I would therefore have it understood that I do not restrict
20 myself to the use of these particular parts, but reserve the right to make all such changes and modifications which fairly fall within the spirit and scope of the invention and employ it in all connections where it may be useful.

25 The hooked plate is conveniently fastened at one end to the flap of the mounting by the prongs of the socket member of the fastening device, and the rest of the plate is entirely free from connection with the flap, so that
30 the latter is perfectly free to operate and can be folded in the loop on the web in the usual manner. The hooked end of the plate is therefore entirely free from connection with the mounting, and the flap is therefore not
35 in any way weakened at its fold or in any other place by the fastening of the hooked plate thereto.

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

1. A cast-off for suspender-ends comprising a flap and a hook carried by said flap, for engaging a loop on the web of a suspender.

45 2. A cast-off for suspender-ends comprising a main portion and a flap having a fold, a device for fastening the flap to the main portion, and a plate carried by the flap and

provided with a hooked end at the fold in the flap to engage a loop on the web of a suspender. 50

3. A cast-off for suspender-ends comprising a main portion and a flap, a device for fastening the flap to the main portion, and a hook secured to the flap by the fastening device and arranged to engage a loop on the
55 web of a suspender.

4. A cast-off for suspender-ends comprising a main portion and a flap, a device for fastening the flap to the main portion and comprising a socket member, a hooked plate
60 carried by the flap for engaging a loop on the web of a suspender and provided with an opening, and prongs on said socket member passing through the flap and the opening in said plate and being turned down on the
65 plate.

5. The combination with the web of a suspender and a loop carried thereby, of a cast-off comprising a looped portion and a flap, a looped metal bearing-plate in the looped portion
70 of the cast-off and a suspender-end operating therein, a plate carried by the flap and having one end thereof formed into a hook and arranged at the fold in the flap to receive the loop on the web, and a fastening device
75 comprising a shank member, which passes through the looped portion of the cast-off and the ends of the looped metal bearing-plate, and a socket member carried by the flap and securing the hooked plate thereto. 80

6. A cast-off for suspender-ends comprising a main portion and a flap and means for fastening the flap to the main portion, and a plate carried by said flap and provided at
85 one end with an outwardly-directed hook to receive the loop on the web of the suspender when the flap is engaged therewith and to release said loop when the flap is unfastened from the main portion of the cast-off.

JOSEPH S. SHERER.

Witnesses:

ELMER A. YOUNG,
FLORENCE JOHNSON.