

J. H. MURFEY.
SUSPENDER-ENDS.

No. 193,889.

Patented Aug. 7, 1877.

Fig. II.

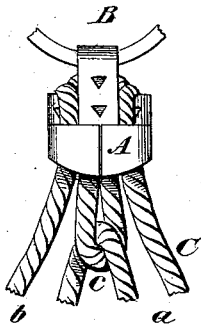
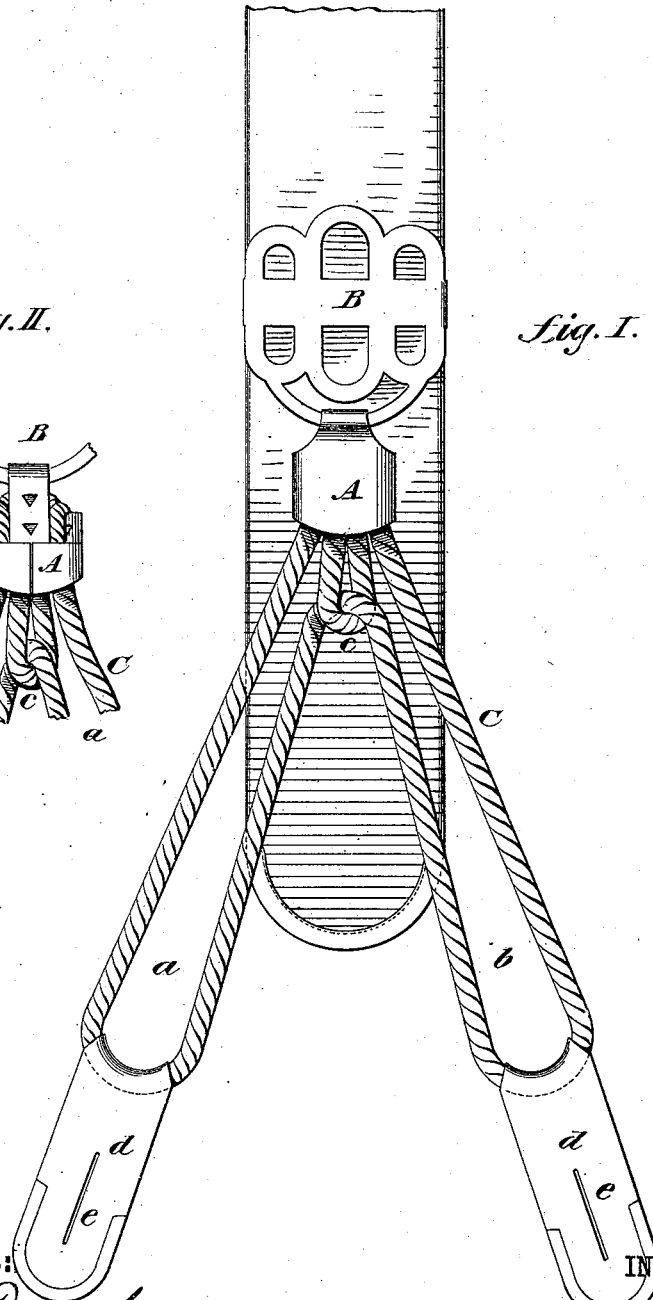


Fig. I.



WITNESSES:

Iustav Victorich
J. V. Scarborough.

INVENTOR:

J. H. Murfey
BY *Munn & Co.*

ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN H. MURFEY, OF NEW YORK, N. Y.

IMPROVEMENT IN SUSPENDER-ENDS.

Specification forming part of Letters Patent No. 193,889, dated August 7, 1877; application filed July 9, 1877.

To all whom it may concern:

Be it known that I, JOHN H. MURFEY, of the city, county, and State of New York, have invented a new and Improved Suspender-End, of which the following is a specification:

Figure 1 is a front view of my improved suspender-end. Fig. 2 is a rear view of a portion of the same.

Similar letters of reference indicate corresponding parts.

My invention consists of a peculiar cord loop that is attached to the buckle fastener or clip, and to end pieces having holes for receiving buttons.

The object of the invention is to provide a suspender-end that will adjust itself, and that may be easily adapted to the requirements of different persons.

Referring to the drawing, A is a fastener or clip of any ordinary form, which is attached to the buckle B. A cord, C, is formed into three loops, *a b c*.

The part of the cord that unites the longer loops *a b* passes through the shorter loop *c*, and may be drawn through it in either direction, lengthening one of the longer loops and shortening the other, as may be required. At the extremity of each of the loops *a b* there is a flat piece, *d*, which is doubled around the cord C and stitched together near the cord, and bound or otherwise finished around its

lower edge, and in it is made a button-hole, *e*, for receiving the ordinary suspender-button.

The shorter loop *c* may be made of a separate piece of cord or braid, or it may be made of metal and fastened to the clip A in any convenient and substantial way.

There is sufficient friction between the pieces *d* and the loops *a b* to cause the loops to remain in any position to which they may be adjusted; at the same time the friction is not so great as to prevent the cord from slipping under undue strain.

The loops, instead of being fastened by a metallic clip, may be stitched into a leather or cloth fastening.

Various modifications of my improvement may be made; therefore I do not confine myself to the exact form herein shown and described.

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

The suspender-end herein described, consisting, essentially, of a clip or fastening, A, and the cord C, formed into the adjustable loops *a b* and the short retaining-loop *c*, substantially as herein shown and described.

JOHN H. MURFEY.

Witnesses:

JAMES H. HUNTER,
ALEX. F. ROBERTS.