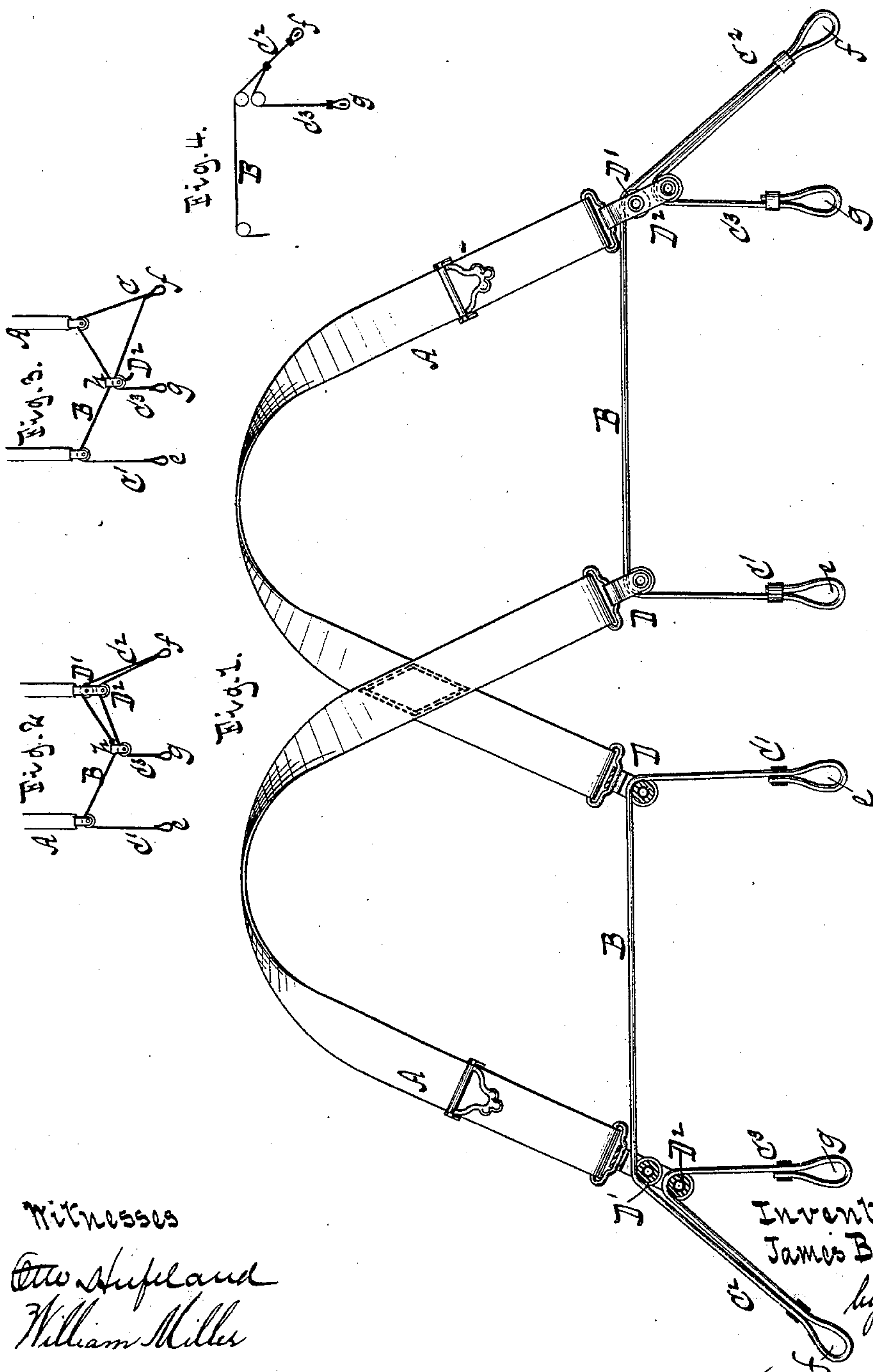


(No Model.)

J. B. SHARP.
Suspenders.

No. 235,028.

Patented Nov. 30, 1880.



Witnesses

Otto Hufeland
William Miller

Inventor
James B. Sharp

by
Van Lantvoord & Knapp
his attys

UNITED STATES PATENT OFFICE.

JAMES B. SHARP, OF NEW YORK, N. Y.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 235,028, dated November 30, 1880.

Application filed October 13, 1880. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. SHARP, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Suspenders, of which the following is a specification.

This invention relates, essentially, to the construction of the ends of a pair of suspenders; and it consists in the combination, with the shoulder-straps, of two cords or bands which pass, respectively, through guides at the front and rear ends of the shoulder-straps, and the rear parts of which terminate with a button-hole, both of which are provided with a button-hole at a point forward of the front guide, thence pass rearwardly through another guide, and terminate with a button-hole, so that each cord or band comprises three ends, and, while it is allowed a great liberty of motion, it readily returns to a normal position.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 represents a part side view and part section. Figs. 2 and 3 show modifications hereinafter described in detail.

Similar letters indicate corresponding parts.

The letter A designates the shoulder-straps, and B the cords or bands, each comprising three ends, C' C² C³. The cords or bands B may be either round or flat.

At the opposite ends of both shoulder-straps A are guides D D', which consist, in this example, of pulleys, but which may be constructed in the form of a tube or any other suitable device.

Each of the cords or bands B passes through one of the rear pulleys, D, and one of the front pulleys, D', and the rear part thereof, which constitutes the end C', terminates in a button-hole, e.

At a point forward of the front pulley, D', the cord B is provided with a return-bend, f, to form the button-hole for the end C². The cord thence passes rearwardly through a guide, D², and terminates in a button-hole, g, for the end C³.

In the example shown in Fig. 1 the cord

B extends in a straight line from the guide D to the guide D'. If desired, however, this intermediate part of the cord may be bent or drawn downward by connecting the rearwardly-extending portion of the cord thereto, as by means of a slide, h, as shown in Fig. 2 or 3, or a permanent fixture; and when a slide is used a suitable stop may be combined therewith for retaining this slide in a fixed position.

In the example shown in Fig. 2 the guide D² is used in connection with the slide h, while in Fig. 3 the slide takes the place of said guide.

By the arrangement of the cords B each is permitted to move freely in any direction and adapt itself to the position of the body, while it readily returns to a normal position. In this example the shoulder-straps A cross each other, but they can also be arranged in any other way.

It should be remarked that a good result can be obtained by making the button-holes D D' D² separate from the cords or bands B—as, for example, in the form of flat straps, and attached to the cords or bands in a suitable manner, as shown in Fig. 4; and rearwardly-extending portion of the cords or bands, moreover, may be attached to the main portion thereof, as shown in said figure, instead of being made in one piece therewith.

I am aware that it is not new to make suspender-ends of cords or bands running through guides and bent to form button-holes, and I do not claim such construction, broadly.

Heretofore suspenders have been constructed of shoulder-straps provided at their front and back end with guides or pulleys, combined with two independent cords provided at each end with a button-hole, and such, broadly, is not claimed.

What I claim as new, and desire to secure by Letters Patent, is—

The within-described suspender, consisting of the shoulder-straps A A, provided with guides D D' D², and the cords or bands B B, passing, respectively, through the guides at the front and rear ends of the shoulder-straps,

the rear ends of the cords or bands terminat-
ing in button-holes, and each of said cords or
bands being provided with a return-bend hav-
ing a button-hole forward of the front guide
5 and then passing rearwardly through another
guide and terminating in a button-hole, all
substantially as described.

In testimony whereof I have hereunto set
my hand and seal in the presence of two sub-
scribing witnesses.

JAMES B. SHARP. [L. S.]

Witnesses:

W. HAUFF,

CHAS. WAHLERS.