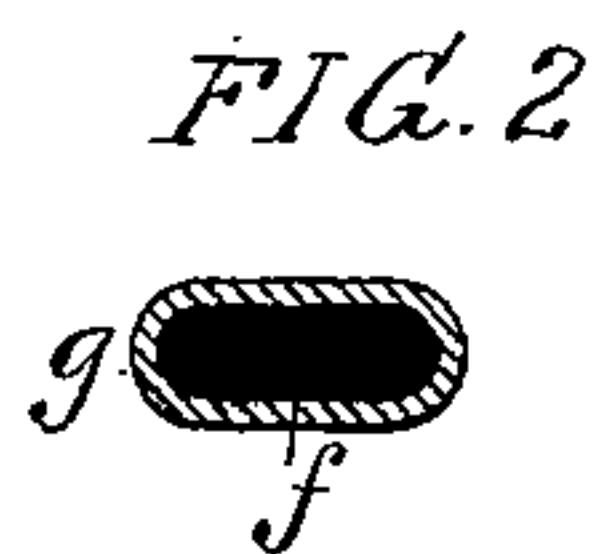
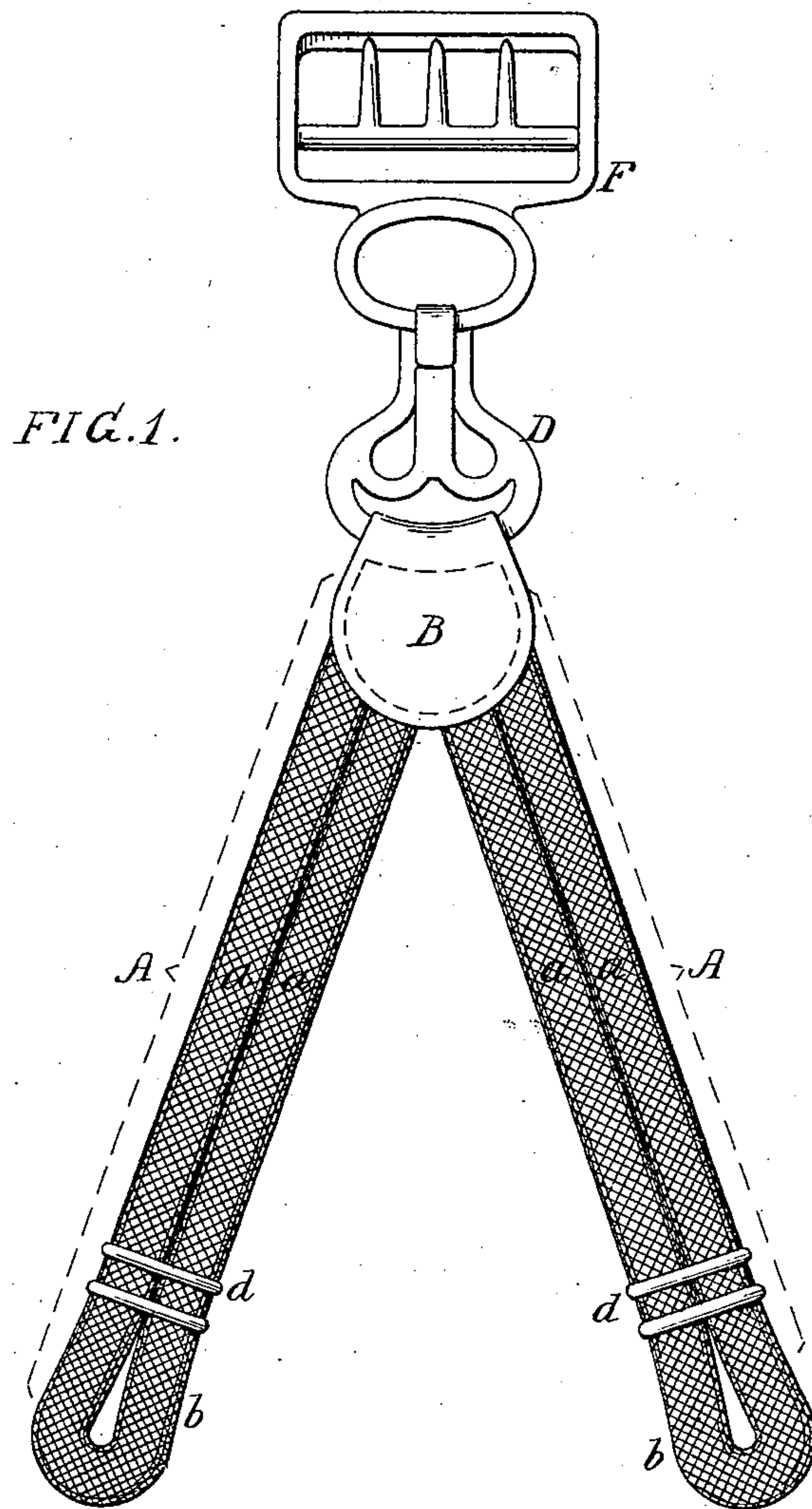


(No Model.)

W. A. LAVERTY.
SUSPENDERS.

No. 282,736.

Patented Aug. 7, 1883.



WITNESSES:
Hamilton D. Turner
James F. Tobin

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UNITED STATES PATENT OFFICE.

WILLIAM A. LAVERTY, OF PHILADELPHIA, PENNSYLVANIA.

SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 282,736, dated August 7, 1883.

Application filed June 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. LAVERTY, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented certain
5 Improvements in Suspenders, of which the following is a specification.

My invention relates to an improvement in elastic ends for suspenders, the object of my invention being to make a cheap, serviceable,
10 and comfortable end of this character.

In the accompanying drawings, Figure 1 is a view of my improved suspender-end, and Figs. 2 and 3 exaggerated sectional views of the elastic strap composing the end.

15 In a former application for patent filed by me on the 1st day of June, 1883, I have described and claimed a suspender-end composed of a series of covered elastic cords braided or woven into a strap.

20 The present invention relates to a suspender-end which, while possessing the advantageous qualities of the former, can be manufactured more economically.

Each strap A, as shown in the drawings, consists of a narrow strap, *a*, folded to form the button-loop *b* at the lower end, the folded strap being confined above the loop by a clasp, *d*, although any other appropriate means of securing the folded strap together above the loop
25 30 may be adopted.

The upper ends of the folded straps *a* are connected to a tab, B, secured to a clasp, D, which is attached to the buckle F. Other means of fastening the end-straps to the shoulder-straps of the suspenders may, however, be substituted for this, the fastening devices forming no part of my invention.

Each strap *a* consists of an oblong core, *f*,

of rubber, and an outer braided covering, *g*, the core being either in the form of a single flat strip, as shown in Fig. 2, or a series of
40 cords laid side by side, as shown in Fig. 3, the braided covering possessing sufficient elasticity to permit the desired expansion and contraction of the rubber core. By using a core
45 of this character I insure the necessary strength and a proper degree of elasticity, and produce a strap which will not be inconvenient on account of its bulk, yet will present a broad
50 upper end for the attachment of the buckle or other fastening. An elastic button-loop is also produced which can be readily expanded so as to pass over the button, and will then contract and fit snugly to the button-shank. Folded straps *a* are not essential to my invention,
55 however, as broad single straps having button-loops secured to their lower ends may in some cases be used, the folded straps being preferred, however, because of the elastic button-loops formed thereby.
60

I claim as my invention—

1. A suspender-end having straps A, each consisting of a rubber core, *f*, of oblong cross-section, and a braided covering, *g*, as set forth.

2. A suspender-end comprising folded straps
65 *a*, each consisting of a rubber core with braided cover, and each folded and united to form an elastic button-loop at the lower end, as set forth.

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

WM. A. LAVERTY.

Witnesses:

HARRY L. ASHENFELTER,
HENRY HOWSON, Jr.