

(No Model.)

F. H. RICHARDS.
SUSPENDER BUCKLE.

No. 435,455.

Patented Sept. 2, 1890.

Fig. 1

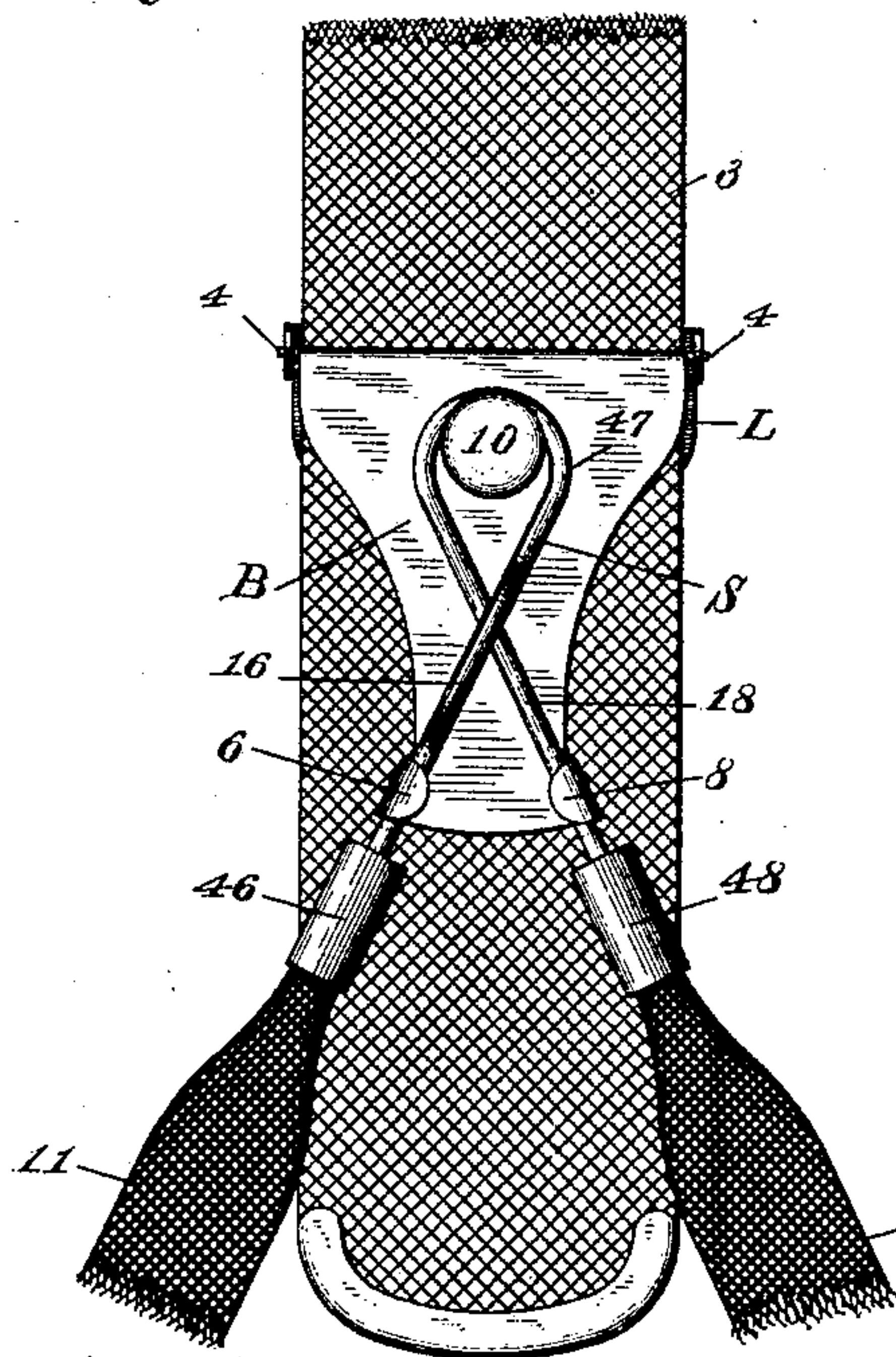


Fig. 2

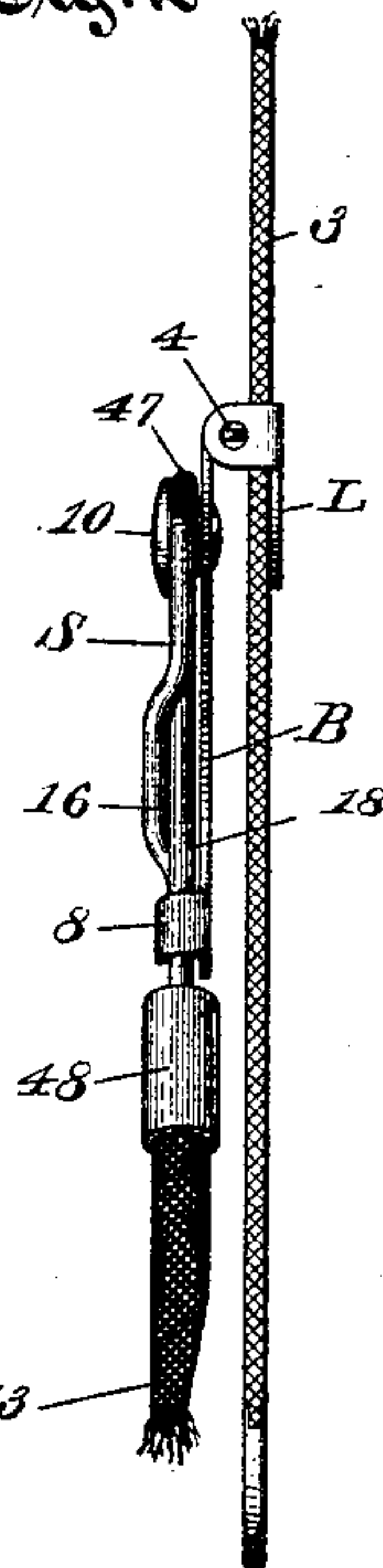
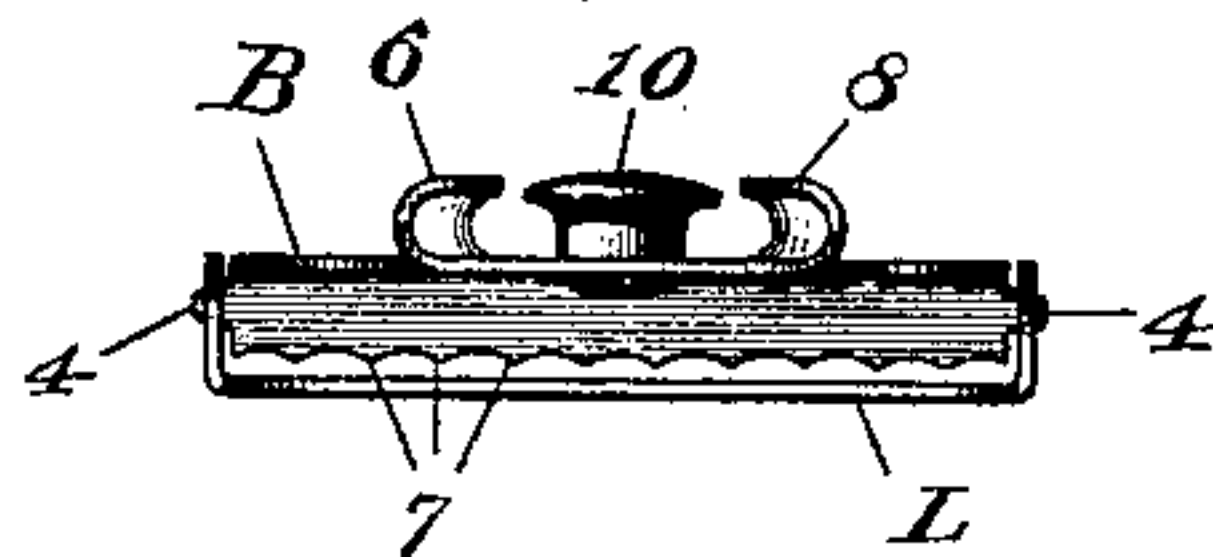


Fig. 3



Witnesses:

W. M. Dyckman.

Henry L. Rickard.

Inventor:

Francis H. Richards

UNITED STATES PATENT OFFICE.

FRANCIS H. RICHARDS, OF HARTFORD, ASSIGNOR TO THE TRAUT & HINE
MANUFACTURING COMPANY, OF NEW BRITAIN, CONNECTICUT.

SUSPENDER-BUCKLE.

SPECIFICATION forming part of Letters Patent No. 435,455, dated September 2, 1890.

Application filed May 1, 1890. Serial No. 350,238. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS H. RICHARDS, a citizen of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Suspender-Buckles, of which the following is a specification.

This invention relates to buckles for suspenders and to that class of suspender-buckles having "cast-offs," the object being to provide a buckle of that class which shall be simple in construction, cheaply manufactured, and readily operated. The invention is in the nature of an improvement on the buckle described and claimed in my application, Serial No. 350,232, filed May 1, 1890.

In the drawings accompanying and forming a part of this specification, Figure 1 is a front or side view of a buckle embodying my present improvements. Fig. 2 is an edge view of the same, drawn in projection with Fig. 1. Fig. 3 is a view of the lower end of the buckle, also drawn in projection with Fig. 1.

Similar characters designate like parts in all the figures.

The buckle-plate B is provided with the usual holding-teeth, as 7, Fig. 3, for engaging the web 3 of the suspender; with means—as the lever L, carried on pivots 4 4 formed on the plate—for clamping the web 3 in engagement with said teeth to secure the plate to said web, and with means for carrying the elastic hanger S, said means consisting in a suspension-hook 10 and oppositely-disposed side catches 6 and 8, engaging the two sides 16 and 18, respectively, of said hanger S.

For connecting the usual straps, as 11 and 13, to the lower ends of the hanger, I may employ any well-known and convenient means—as, for instance, the clasps 46 and 48—clamping the straps to the ends of the hanger in a well-known manner. The hanger S has the two sides 16 and 18 thereof crossed to

form a loop 47, engaging the hook 10, and so that said sides at the lower part thereof stand at an angle with each other and bear laterally and also upwardly against the catches 6 and 8. This, by reason of the outward pressure of the hanger against the catches, tends more or less strongly, according to the stiffness of the wire forming the hanger, to draw or "wedge" the hanger downwardly onto the hook 10, and thus prevent the accidental unhooking thereof.

When the cast-off feature of the buckle is to be used, the user grasps the hanger by the lower ends thereof and closes the same together until said sides may be disengaged from the catches 6 and 8, when the hanger may be lifted off the hook 10 and taken from the plate, thereby completing the separation of the two principal parts of the suspender.

Having thus described my invention, I claim—

1. In a buckle, the combination, with a buckle-plate provided with the hanger-supporting hook and catches, substantially as described, of the hanger S, carried on said plate and having its sides crossed to form a loop engaging said hook, and its lower ends inclined to bear against said catches, substantially as described, and for the purpose specified.

2. In a buckle, the combination, with the buckle-plate B, having the suspension-hook 10 and the catches 6 and 8, of the elastic hanger S, having the loop 47 engaging said hook, and having the sides 16 and 18 thereof crossed and inclined and bearing laterally and downwardly on said catches, said hanger being furnished with straps connected to the lower ends thereof, substantially as described.

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Witnesses:

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