

(No Model.)

W. G. ANDERSON.  
Suspenders.

No. 238,323.

Patented March 1, 1881.

Fig. 1

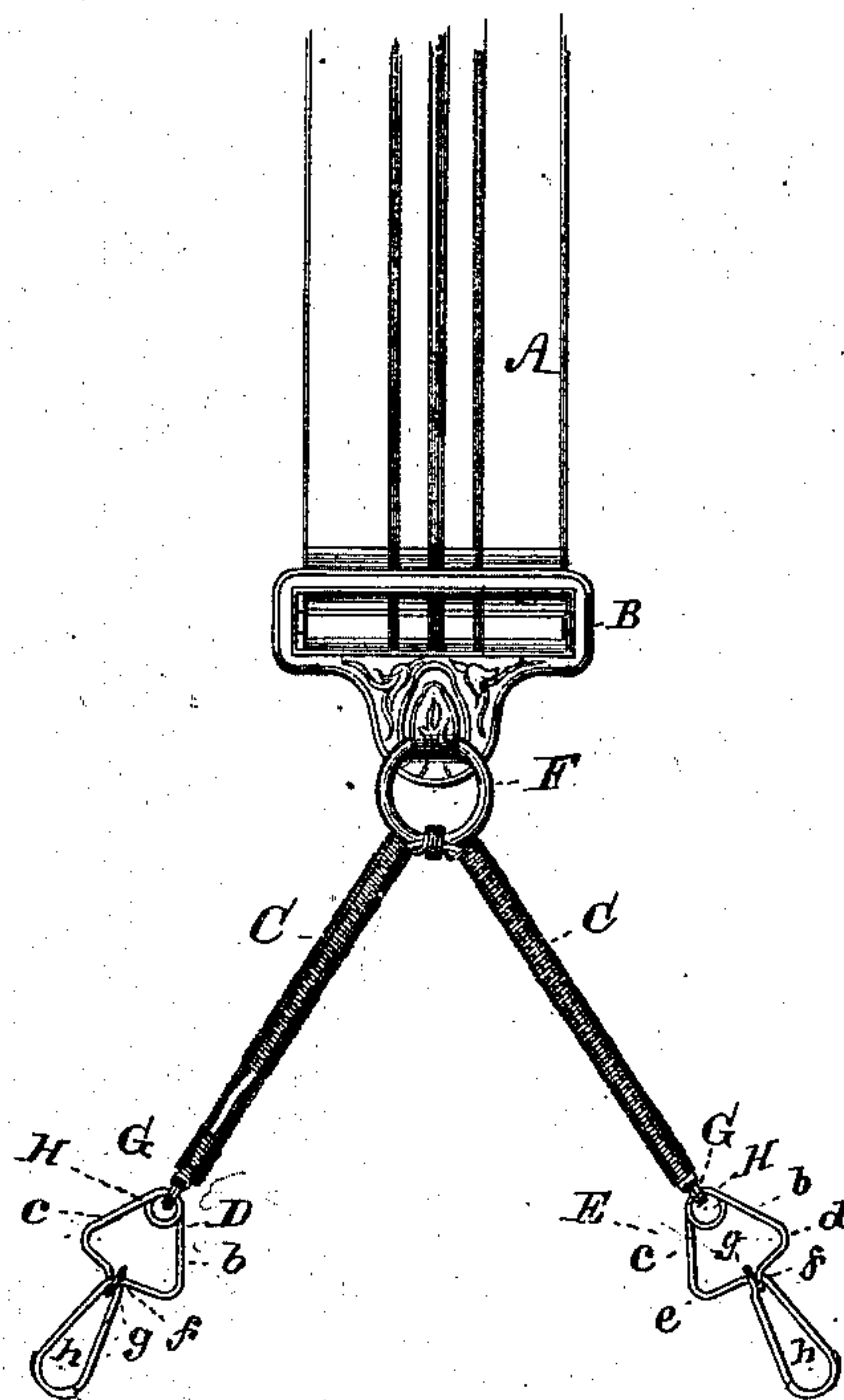
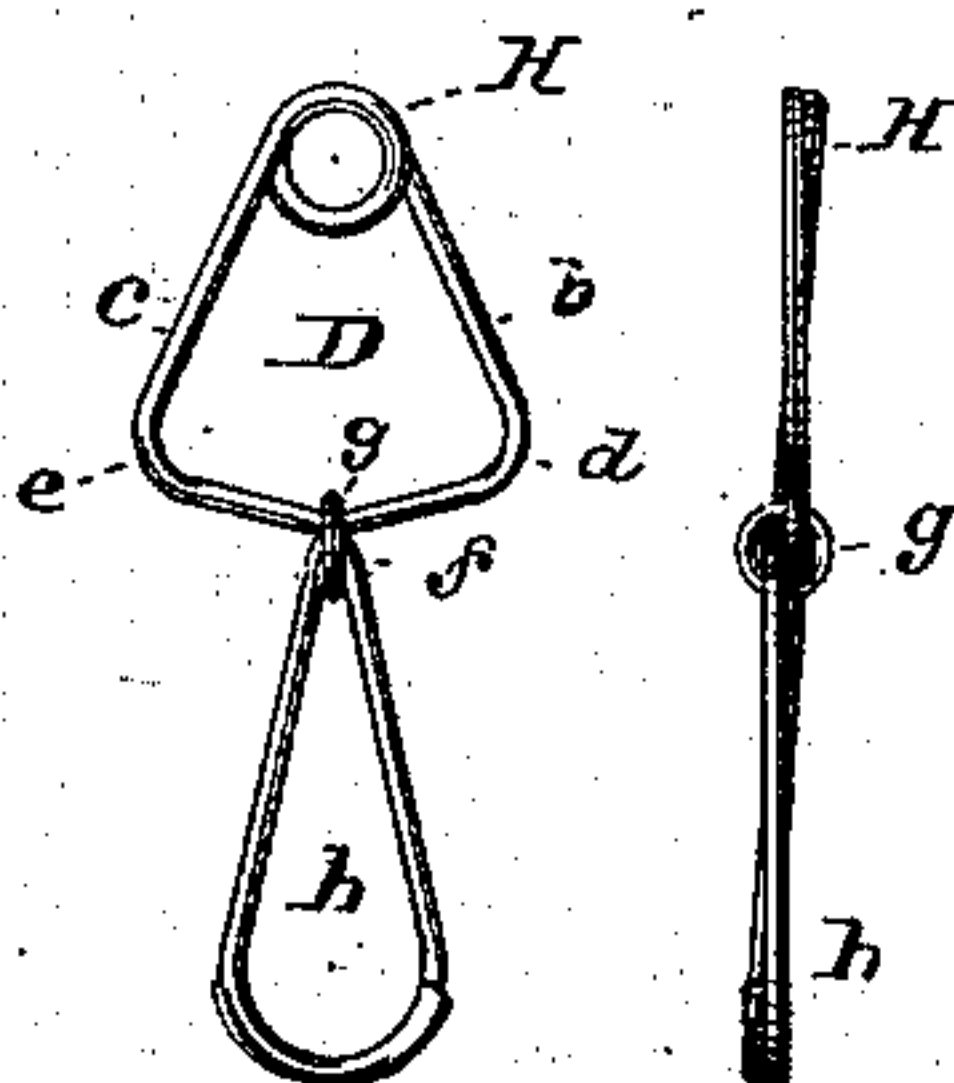


Fig. 2.



Attest:

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# UNITED STATES PATENT OFFICE.

WILLIAM G. ANDERSON, OF CHELSEA, MASSACHUSETTS.

## SUSPENDERS.

SPECIFICATION forming part of Letters Patent No. 238,323, dated March 1, 1881.

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

*To all whom it may concern:*

Be it known that I, WILLIAM G. ANDERSON, a citizen of the United States, residing at Chelsea, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Suspenders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a plan view of my invention, and Fig. 2 is a modified form, showing a ring embracing both arms of the spring in place of an eye formed on one of the arms.

My invention relates to an improvement in suspenders for supporting pantaloons, and it has for its object the simplifying of construction and the improvement of the device for attachment to the buttons; and it consists of a single spiral spring connecting two button-loops of peculiar construction, and secured to the suspender-buckle by two or more of its central coils; and it further consists of an improvement in the button-loops whereby greater ease and security in attaching the loop to the button are attained, as will be hereinafter more fully set forth and claimed.

A represents a suspender, and B a buckle of any ordinary suitable construction, and C an uncovered spiral spring extending from button-loop D to button-loop E, and connected to the buckle B by means of a slit ring, F, passed through two or more coils of the spring, as shown in Fig. 1 of the drawings. The attachment to the loops D and E is made by bending two or more coils of the spring to a right angle with the coil of the spiral, thereby forming an eye, G, from the same piece of metal of which the spring is formed, and working the eye H of the button-loop into it between the coils of the spring.

The button-loops D and E are each formed

of one piece of spring-wire. A piece of wire of suitable length is bent to form a small circle or eye, H, in its center for attachment to the spring, as hereinbefore set forth. The ends of the wire are then continued half-way around the eye, and extended a suitable distance in straight pieces or arms *b* and *c*, at an angle of about forty-five degrees to each other, and then bent inward at *d e*, and brought together at *f*, where an eye, *g*, is formed in the piece *b*, and the piece *c* passed through it. The two pieces *b c* are then extended downward in diverging lines a suitable distance, and curved inward, forming the loop *h*, the bottom of which is composed of the two ends of the pieces *b c*, curved to form half of a circle, and lapped so that the curved ends lie side by side.

In operating this device the pieces *b* and *c* are pressed toward each other at *d e*, thereby opening the loop *h*, so as to pass it over a button and close it around the shank by removing the pressure.

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

1. A spring for connecting the button-loops with the buckle of a suspender, provided with an eye at each end, composed of two or more coils of the spring bent to a right angle with the spiral or end of the spring, substantially as shown and described.

2. A spring button-loop for suspenders, composed of an eye, H, arms *b* and *c*, and loop *h*, substantially as shown and described.

3. A spring button-loop for suspenders, composed of an eye, H, arms *b* and *c*, eye *g*, or its equivalent, and loop *h*, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

WM. G. ANDERSON.

Witnesses:

J. H. LEWIS,  
A. D. BLACK.