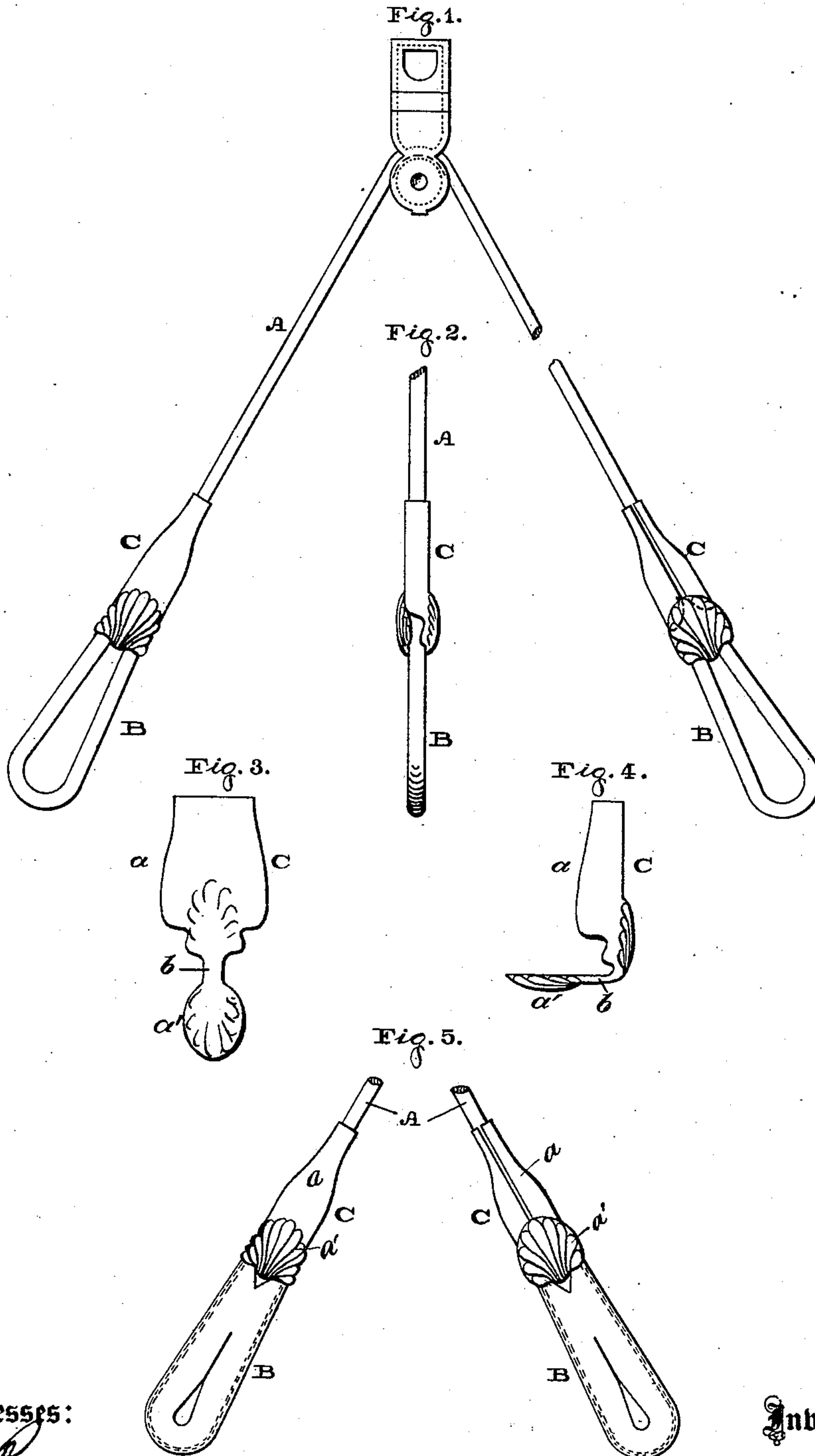


M. ALTMANN.
Suspender-Clamp.

No. 226,693.

Patented April 20, 1880.



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MORITZ ALTMANN, OF CAMDEN, NEW JERSEY.

SUSPENDER-CLAMP.

SPECIFICATION forming part of Letters Patent No. 226,693, dated April 20, 1880.

Application filed August 6, 1879.

To all whom it may concern:

Be it known that I, MORITZ ALTMANN, of the city and county of Camden, and State of New Jersey, have invented a new and useful
5 Improvement in Suspender-Clamps, of which the following is a specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a partly-front and partly-
10 rear view of buttoning web or tab of suspenders provided with a clamp embodying my invention. Fig. 2 is an edge view of a portion thereof, and Figs. 3 and 4 are views of detached parts.

15 My invention has for its object the security of the buttoning portion of the web or tab of suspenders; and it consists of clamps which embrace the straps or cords and the connecting or adjacent portion of the "button-holes," so
20 termed, in such manner that the button-holes will not separate, and they are firmly clamped to their respective straps or cords.

Referring to the drawings, A designates the straps or tabs of a pair of suspenders, and B
25 the buttoning portion or holes thereof for attachment to the garment.

C represents a clamp for securing the portions or holes B and straps or tabs A.

In Fig. 3 the clamp is shown opened out.
30 It consists of a piece or body, *a*, of sheet metal of tapering form, and having at one end a lip or head, *a'*, which, extending at a right angle to the sides of the body, is connected to the body by a neck, *b*.

35 The body is bent in semi-tubular form, and the head is turned up at or about a right angle, as in Fig. 4, in order to be in position for application to the place of service.

When the ends of a tab are looped to form
40 a buttoning portion or hole the contiguous parts of the same are placed in the tubular body of the clamp, and the head *a'* is disposed in the space between the two lengths of the cord forming hole, so that each space at the
45 sides of the neck receives one length thereof. The sides of the clamp are then pressed down on the tab, the head *a'* being likewise pressed down against its relative part, and consequently

at a right angle to the sides of the body of the clamp.

50 It will be seen that the ends of the cord forming each button-hole are readily held or clamped by means of the head *a'* and the attachment of the buttoning portions or holes to the tabs is firm, owing to the body of the
55 clamp, whereby the separation of the button-hole or the disengagement of the same from the tab is prevented, and a reliable and serviceable suspender-tab and buttoning portion or hole is produced. 60

In Fig. 5 I show buttoning portions or tabs formed of flat pieces of leather, felt, or other fabric. In this case the heads *a'* are passed through openings in said pieces and clamped,
65 and the tabs and pieces are rigidly connected by the bodies *a* of the clamp, the result being the same as in the previous construction.

The heads *a'* and opposite portions of the clamps are preferably shell form, and present
70 scalloped edges or serrations, which take firm hold of the portions of the tabs they embrace, thus increasing the security of the hold.

I am aware that the buttoning ends of suspender-tabs have heretofore been secured or
75 clamped by an encircling piece of metal.

I am also aware that the tabs have been secured to the rings of the web or strap by clamps composed of a tubular body inclosing a serrated head and the tab ends.

I am also aware that it is not new to form a
80 clasp with a double curved back portion and its edges bent up at right angles, the said edges being parallel for a portion of their lengths and then converging toward one end, and that it is not new to make suspender-ends of cord
85 which is doubled to form a button-hole and secured by a metal clasp, which, when applied, shall have the form of a double hollow cylinder at one end and a single hollow cylinder at the other end, and I do not therefore wish to
90 be understood as laying any claim thereto; but I do not know of any prior instance where, as in my invention, the buttoning portions are formed upon or united to the tabs by clamps such as I show. 95

Having thus fully described my invention,

what I claim as new, and desire to protect by Letters Patent, is—

The herein-described clamp for attaching the buttoning portions to the tabs of suspenders, composed of a metal body, *a*, and head *a'*,
5 united by a neck, *b*, narrower than either, and adapted to separate the ends of a cord-tab to form the button-hole, or to be passed through

a leather or textile buttoning portion, the whole being secured by the overlapping of the body 10 and head, substantially as shown and described.

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Witnesses:

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