

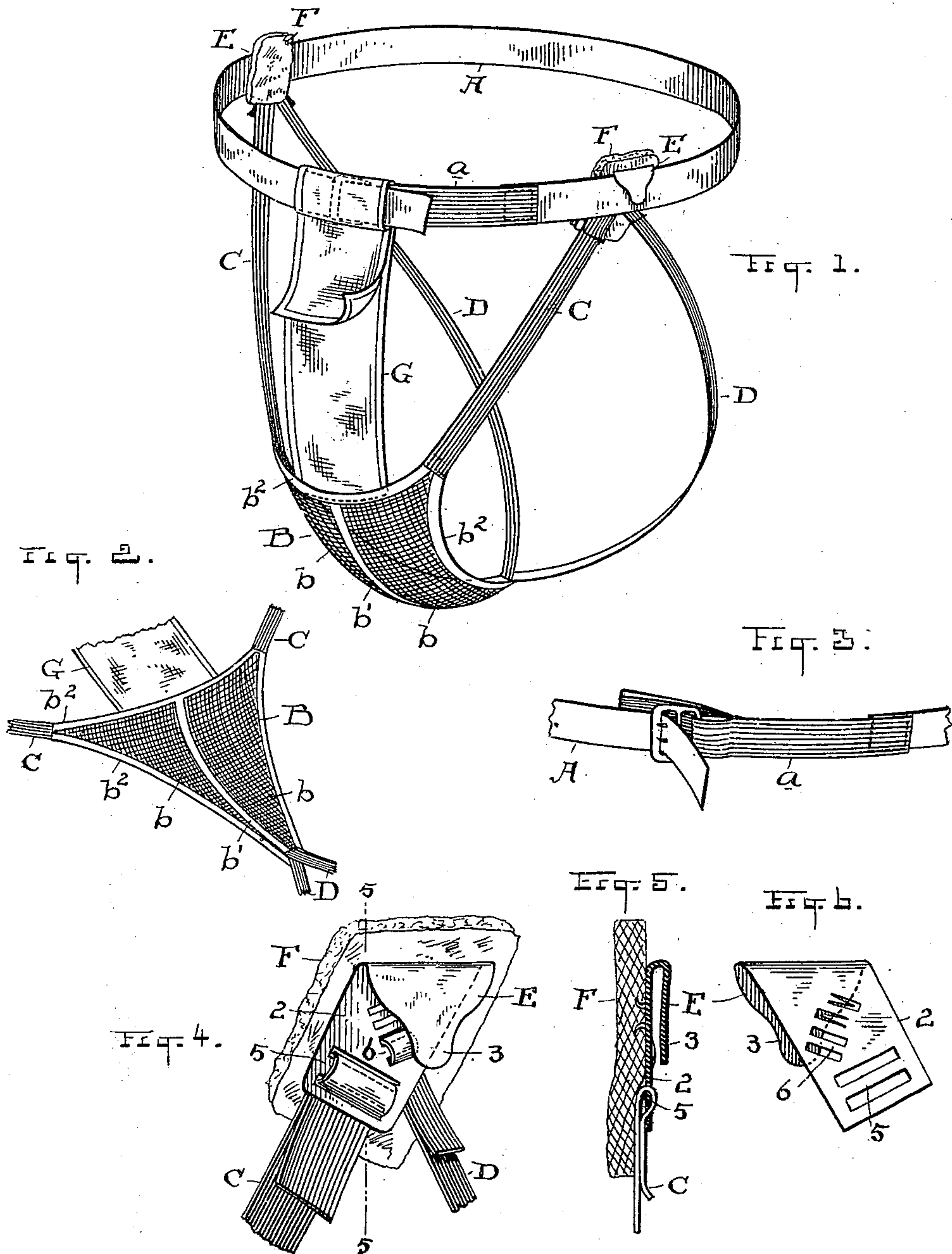
No. 667,783.

Patented Feb. 12, 1901.

C. C. LANTZ.
COMBINATION SUPPORTER.

(Application filed Nov. 18, 1898. Renewed Nov. 3, 1899.)

(No Model.)



ATTEST

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COMBINATION-SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 667,783, dated February 12, 1901.

Application filed November 18, 1898. Renewed November 3, 1899. Serial No. 735,718. (No model.)

To all whom it may concern:

Be it known that I, CARL C. LANTZ, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Combination-Supporters; and I do declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a combination-supporter; and the invention consists in the construction and arrangement of parts substantially as shown and described, and particularly pointed out in the claim.

In the accompanying drawings, Figure 1 is a perspective elevation of my supporter, showing it as it would appear on the person in use. Figs. 2 to 6, inclusive, are details of parts of the device. Thus Fig. 2 shows a perspective plan of the sack and especially discloses the shape or pattern of each section thereof. Fig. 3 is a side elevation of the portion of the waistband having an elastic insertion to adapt the band to the needs of the body. Fig. 4 is a perspective elevation of a portion of the band embracing one of the slidable hooks or clamps which form the immediate connection of the suspending-straps, as hereinafter fully described. Fig. 5 is a cross-section of Fig. 4 on line 5 5, Fig. 4. Fig. 6 is an inside plain elevation of the suspensory slidable hook shown in reverse view, Fig. 4.

A represents a band or belt which is preferably made of non-elastic material, except as below described, and is adapted to be buckled about the waist, usually next to the person, and to be taken up or let out as in the case of other belts or girdles ordinarily. However, for both convenience and comfort the said band has an elastic section or portion α , so that if for any reason more or less room is required for purposes of entire comfort in its use the need will be compensated by said elastic portion; otherwise said band might be wholly non-elastic or elasticity might run entirely through it, as in the case of certain kinds of suspenders.

B represents a sack fashioned in general outline as seen in Figs. 1 and 2 and formed, primarily, of two distinct sections b , of some soft light material—say like silk—and having

the outline seen particularly in Fig. 2. These sections b are divided by a comparatively light central strip b' , of tape or equivalent material, and the edging of the sack all around likewise is provided with tape b^2 , so as to make and present a structure substantially as shown in Fig. 1.

Four several straps C and D, forming suspenders for the sack, are connected therewith, as seen in both Figs. 1 and 2, the straps C and C being connected with the two front corners thereof and the two straps D and D with the rear point of the sack. These connections are fixed. At the upper ends, however, both sets of straps are adjustable as to length in the hooks or clamps E, in which they are each engaged in their own independent connection. Thus each of said hooks is preferably stamped out from a suitable piece of sheet metal formed with a flat body portion 2 and a hook or tongue 3 overlapping its top portion and designed to engage outside over the waistband A. It will be noticed that the hook or tongue 3 is bent over at such an angle as that when it is fully engaged on the band A, as in Fig. 1, the body 2 of the hook will be thrown in line more particularly with the forward suspender C, on which most of the strain naturally comes, and the hook 3 fits so snugly on the band that in a sense it may be said to be clamped thereon, but yet is free enough to be slid back and forth by hand to adapt it in position to the size and needs of the person; but when thus located the hook holds its place until purposely changed. Then to effect the fastening, as well as the free adjustment of the straps on the hooks, the hooks are provided with a double set of slots each for the straps, and each set of slots is separated by a narrow bar 5 and 6, respectively—that is, the slots for front strap C have a bar 5 and the slots for the straps D have a bar 6, and the straps are inserted and held by threading them from the inside through the top slot down over the cross-bar and back through the lower slot, with the free extremity of the strap on the outside, as seen in Fig. 5. This makes such short sharp turns in the strap over the cross-bar that it holds each strap where it is adjusted without other means of fastening, and obviously the adjustments are at once most simple and easily

made. The slots and cross-bar 6 for the rear straps D are above and nearly at right angles to the slots and bar 5, so as to make straight engagement with the straps which come at 5 the rear of the leg to the belt or band A, and the pull on these two sets of straps at nearly right angles to each other serves to keep the hook even on the belt and prevent any tendency of creeping in the hook on the belt after 10 it has been placed where it is wanted. Next to the person and overlapping the hook E freely about its edge is a cushioning-pad F, which may be of any good and sufficient material, and is secured by brads or spurs struck 15 up out of the plate or otherwise, as may be most desirable.

20 An apron G, having the proportions relatively to the other parts about as shown in Fig. 1, is secured at one end across the middle of the front of the sack B and at the other end is adapted to be taken up and fastened about the belt A about as shown, and it may

be taken up more or less, as may be desired. Special adjustable fastenings might be provided for the apron or the belt if thought 25 best, but the present manner of supporting it is altogether satisfactory and is preferred.

What I claim is—

As a new article of manufacture, a suspensory bandage consisting of a waistband, a 30 supporting-sack having its widest portion in front, a movable clasp engaging each side of the band, each clasp carrying two suspension-straps extending respectively to one of the front corners of the support and to the rear 35 corner thereof, said straps being permanently attached to the support and adjustably attached to the clasp, substantially as described.

Witness my hand to the foregoing specification this 12th day of November, 1898.

CARL C. LANTZ.

Witnesses:

H. T. FISHER,

H. E. MUDRA.