

(No Model.)

H. WIRTHS.

MODE OF MAKING WAISTBANDS.

No. 352,967.

Patented Nov. 23, 1886.

FIG. 1

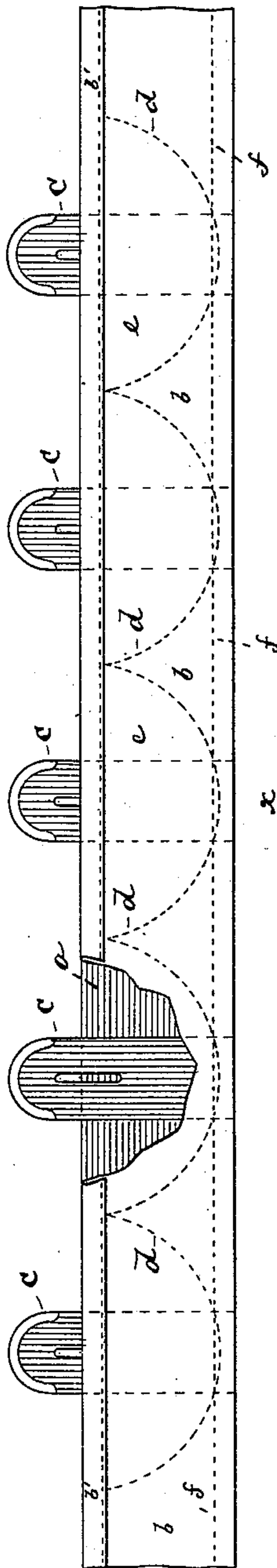


FIG. 2

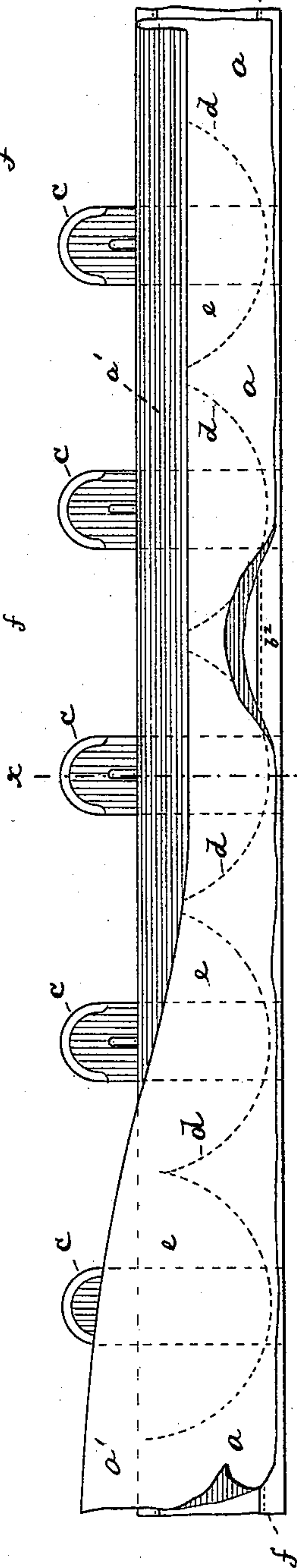
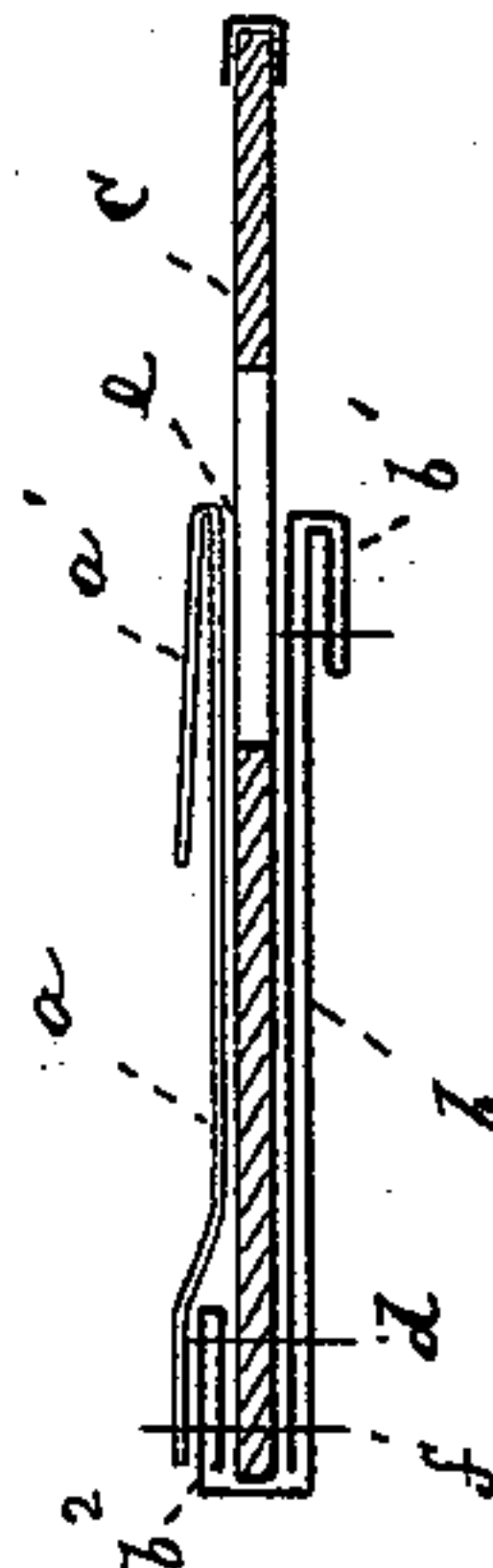


FIG. 3



WITNESSES

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## MODE OF MAKING WAISTBANDS.

SPECIFICATION forming part of Letters Patent No. 352,967, dated November 23, 1886.

Application filed June 10, 1886. Serial No. 204,690. (No model.)

*To all whom it may concern:*

Be it known that I, HUGO WIRTHS, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Mode of Producing a Waistband for Boys' Knee-Pants, of which the following specification is a full, clear, and exact description.

This invention relates to a mode of producing a waistband for boys' knee-pants, by means of which the pants are attached to the jacket. The waistband is so constructed that the straps have a lateral play near their free end within pockets and between the two thicknesses of the band, such straps being, moreover, preferably made out of one continuous piece of elastic material.

The invention consists in the elements of improvement hereinafter more fully pointed out.

In the accompanying drawings, Figure 1 is a front view of my improved waistband. Fig. 2 is a rear view of the same, showing the lining partly unfolded. Fig. 3 is a section on the line *x x*, Fig. 2.

The letters *a b* represent two strips of woven fabric, forming the waistband, and united at their lower edge by a seam, *f*, though entirely disconnected at their upper edge. The inner strip, *a*—that is, the strip that comes to lie against the garment—constitutes the lining, and is attached to the garment by means of a flap, *a'*. The outer strip is preferably made of a double thickness, Fig. 3, and has hems *b' b''* turned over in opposite directions along its upper and lower edge. The strips *a b* are united throughout their entire length by means

of a seam or suture, *d*, composed of a series of curved and connected sections, such sections forming a series of open half-round pockets, *e*, as shown.

Within each pocket *e* there is attached a strap, *c*, made preferably of one continuous piece of elastic material, and having a button-hole at one end, as shown. Each strap *c* is attached at the lower end to the lower end of its pocket *e*, by means of both the seams *f* and *d*, and is thus securely held in place. At its upper or free end the strap *c* projects out of its pocket, so as to be readily buttoned to the jacket.

It will be seen that the several straps *c*, though properly separated, have a lateral play at their free end, and thus the waistband may be attached to jackets though the button-holes and buttons are not in line vertically. In this way the same waistband may be used with different jackets.

I claim as my invention—

The mode of producing a waistband which consists in connecting two strips, *a b*, by a lower seam, *f*, and by a curved seam, *d*, that forms a series of open half-round contiguous pockets, *e*, placed side by side between strips *a b*, and in attaching an elastic strap, *c*, within and at the bottom of each pocket, all being so constructed that the straps *c* have a lateral play at their free ends, substantially as specified.

HUGO WIRTHS.

Witnesses:

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