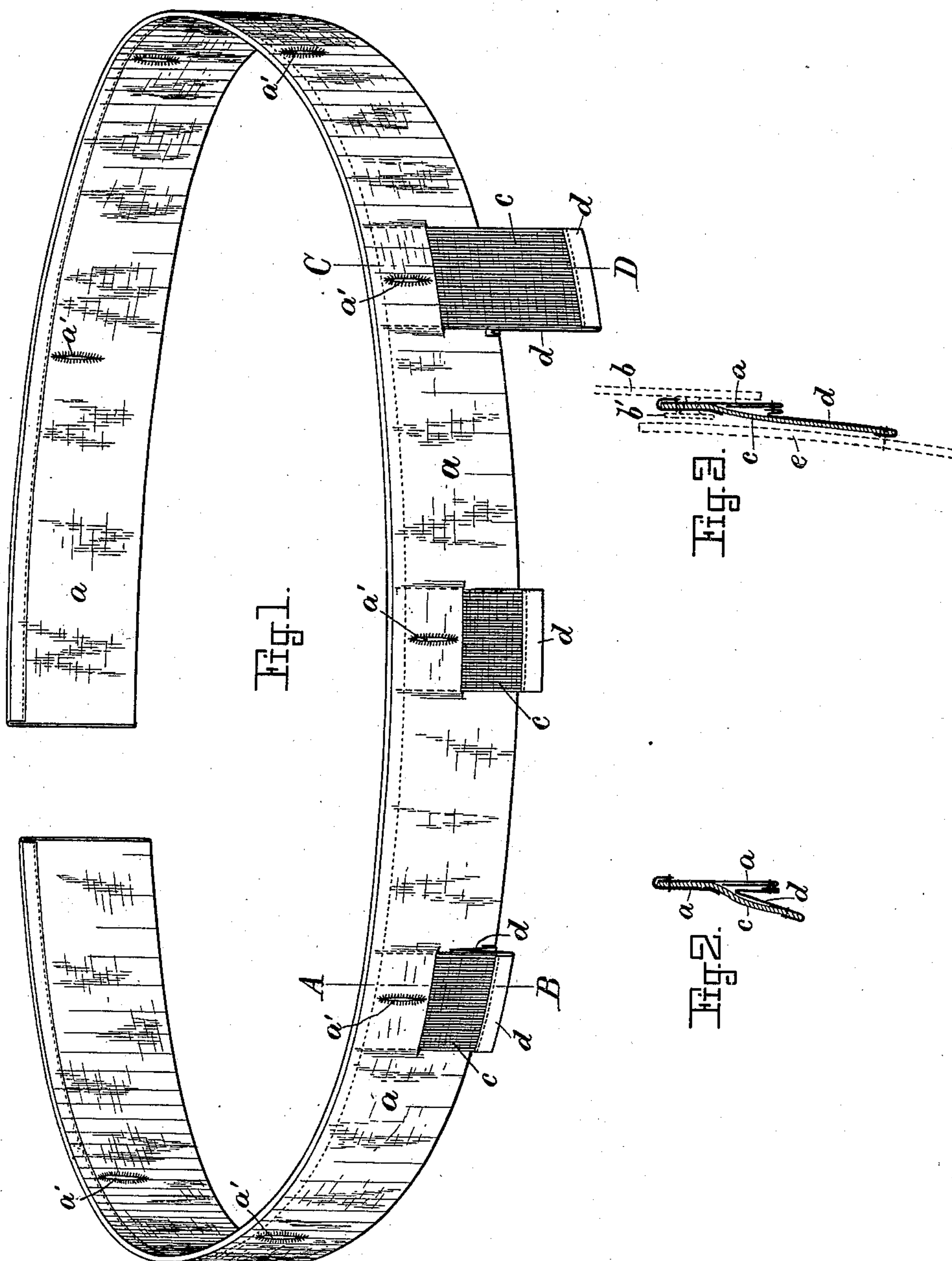


(No Model.)

A. LEVY.  
EXPANDING WAISTBAND.

No. 375,367.

Patented Dec. 27, 1887.



Witnesses

Henry Chadbourn.

Charles H. Fogg.

Inventor

Abraham Levy

by *Alvan Andrew*  
his atty.



# UNITED STATES PATENT OFFICE.

ABRAHAM LEVY, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO J. COLBY & CO.

## EXPANDING WAISTBAND.

SPECIFICATION forming part of Letters Patent No. 375,367, dated December 27, 1887.

Application filed June 19, 1886. Serial No. 205,698. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM LEVY, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Expanding Waistbands, and I do hereby declare that the same are fully described in the following specification, and illustrated in the accompanying drawings.

10 This invention relates to improvements in expanding waistbands for boys' and youths' knee-pants and similar garments, and it is carried out as follows, reference being had to the accompanying drawings, where—

15 Figure 1 represents a front elevation of the waistband, a portion of which is represented as expanded. Fig. 2 represents a cross-section on the line A B, (shown in Fig. 1;) and Fig. 3 represents a cross-section on the line C D in Fig. 1, showing that portion of the waistband as expanded.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

25 *a* in the drawings represents a waistband, as usual, on which *a' a' a'* are the button-holes, by means of which and buttons *b'*, secured to the shirt-waist *b*, (shown in dotted lines in Fig. 3,) the waistband is attached to the shirt-waist in the ordinary way.

30 In a line with each button-hole *a'* is secured to the waistband *a* a piece of elastic, *c*, as shown, and to the lower end of such elastic fabric is sewed one end of a ribbon or narrow piece of cloth, *d*, the other end of the latter being secured to the lower edge of the waistband *a*, as shown in Figs. 2 and 3. The lower end of the ribbon *d* and elastic fabric *c* is secured to the inside of the pants *e*, (shown in dotted lines in Fig. 3,) at a suitable distance from the upper edge of the pants, as shown in said Fig. 3.

45 The ribbons *d d d* serve as non-elastic stays between the shirt-waist and pants, when, by the motion of the wearer, such stays are expanded to their limits, and thus relieve the strain on the elastic fabric pieces *c c c*. When no extra strain is brought to bear on the pants, the same are supported on the elastic fabrics 50 *c c c*, and the non-elastic stays *d d d* are drawn upward and folded between the waist *a* and

elastic fabrics *c*, as shown in Fig. 2. In practice it is only necessary to make the rear portion of the waistband expansive, as such portion is exposed to a greater strain than the 55 front and sides of the pants when worn; but I do not wish to confine myself to any particular location on the waistband of the expansive parts, as this may be arranged according to the nature of the garment for which the 60 expanding waistband is to be used.

Heretofore expanding waistbands have been made with independent elastic fabrics sewed to the waistband and to a continuous non-elastic stay extended horizontally so as to connect all the elastic fabrics together; but this 65 is objectionable, as such continuous stay is liable to pucker and lie in baggy folds in the spaces between the respective elastic fabrics, particularly when one of the latter is drawn 70 out more or less than the others, as is often the case by the variations in the strain on different parts of the garment, caused by the motions of the wearer.

I wish to state that I do not claim such a 75 construction, with a continuous non-elastic stay connecting the series of elastic fabrics together, as my invention.

In my present invention each non-elastic stay *d* is independent from the stay on the 80 next elastic fabric, and consequently each stay will automatically adjust itself relative to the more or less expanded elastic fabric to which it is attached, and by making each elastic fabric *c* and its non-elastic stay *d* independent from the others in the series I prevent the puckering or bagging, as above mentioned, and consequently obtain a better fit of the garment and independent automatic adjustment of the various parts thereof. 85 90

I am aware of the patent granted to Birnbaum, June 29, 1886, No. 344,341, for waistbands, in which a continuous folded strip unites the waistband with all the elastics in the series. Such arrangement is objectionable, as it causes the said folded strip to crinkle or ruck when one or more of the elastics are extended and afterward allowed to contract. This objection is entirely obviated by my present invention, in which each elastic is 95 100 provided with an independent folded strip, as shown and described in this my application.

What I wish to secure by Letters Patent, and claim, is—

The herein-described expanding waistband, consisting of the band *a*, having secured to it  
5 the elastic fabrics *c c c*, combined with individual and independent non-elastic stays *d d*, the latter secured to the band *a* and lower end of each of the elastic fabrics *c c c*, substan-

tially in a manner and for the purpose set forth.

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

ABRAHAM LEVY.

Witnesses:

ALBAN ANDRÉN,  
HENRY CHADBOURN.

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