

(No Model.)

B. BIRNBAUM.

SUPPLEMENTARY WAISTBAND FOR PANTS.

No. 344,341.

Patented June 29, 1886.

Fig: 1.

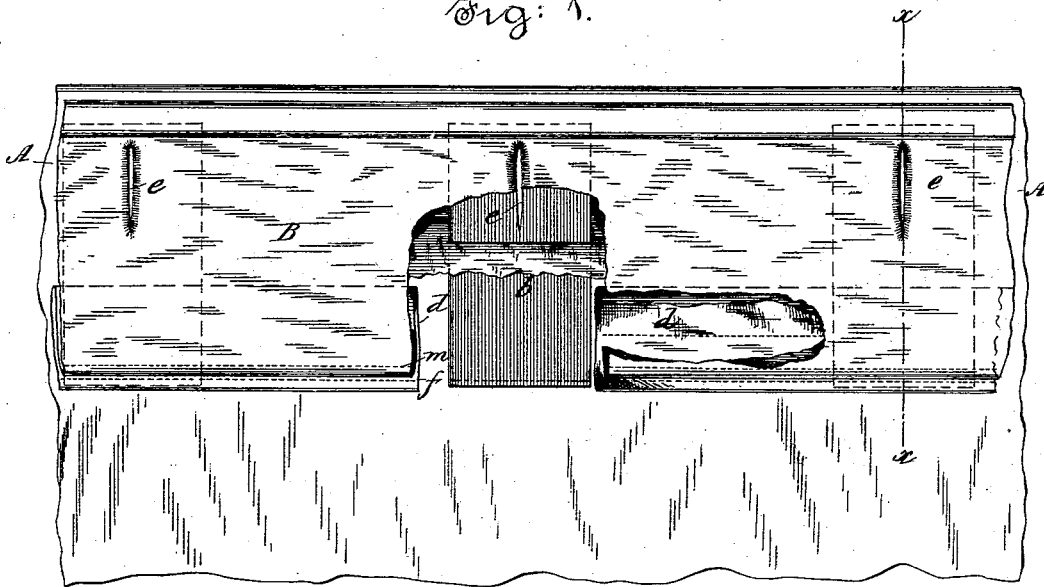
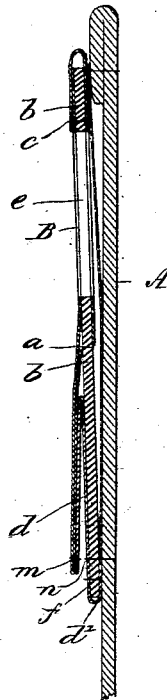


Fig: 2.



Witnesses:
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UNITED STATES PATENT OFFICE.

BARNARD BIRNBAUM, OF BOSTON, MASSACHUSETTS.

SUPPLEMENTARY WAISTBAND FOR PANTS.

SPECIFICATION forming part of Letters Patent No. 344,341, dated June 29, 1886.

Application filed March 1, 1886. Serial No. 193,543. (No model.)

To all whom it may concern:

Be it known that I, BARNARD BIRNBAUM, of Boston, county of Suffolk, and State of Massachusetts, have invented an Improvement in
5 Waistbands for Pants, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention has for its object to provide
10 children's pants with yielding waistbands, which may be cheaply constructed and better capable of withstanding the wear and strain put upon them than those heretofore known to me.

The waistband to be herein described is to
15 be applied to the back band of the pants, and consists of a strip of cloth folded upon itself in the direction of its length to form the body of the waistband, several longitudinal slits being
20 cut in the rear side thereof, in which are inserted pieces of elastic webbing. One end of the elastic webbing is passed upward through the slit thus cut to the top of the waistband and fastened, and button-hole slits are then cut
25 through the waistband and the elastic pieces of webbing inserted therein. The opposite ends of the elastic pieces of webbing are fastened to the body of the pants. Another strip
30 of cloth is secured to the lower edge of the waistband and folded in the direction of its length to form a folded ply, the opposite edge or side of which is secured to the body of the pants, so that the waistband is limited in its
35 rising or yielding movement. The folded ply is of such width as to permit the waistband to yield sufficiently under ordinary circumstances, but not far enough to stretch the elastic webbing its full capacity.

Figure 1 shows a portion of a waistband attached to the back band of a pair of pants, it
40 being broken away to more fully show the invention; and Fig. 2, a vertical section taken on the dotted line *x x* of Fig. 1.

A represents the back band of a pair of pants. The waistband consists of a strip of cloth, B,
45 folded upon itself in the direction of its length, and having a series of slits cut in its rear ply, as at *a*, through which pieces of elastic webbing, *b*, are inserted, the latter extending upward to the top of the folded strip B. One of
50 the edges of the folded strip B is then turned over upon its opposite edge and stitched or otherwise secured thereto, the line of stitch-

ing also passing through the pieces of elastic webbing, as at *c*, thus forming the body of the waistband, having the elastic pieces secured
55 thereto. A series of button-hole slits, *e*, are then cut through the waistband B, and the elastic strips *b* and the button-holes may be worked in any suitable manner. Another strip of cloth, *d*, is folded upon itself in the direction
60 of its length, its rear edge being turned over upon itself, as at *d'*, to inclose the lower ends of the elastic strips *b*, and a line of stitching, *f*, serves to secure the same in place. The front or opposite edge of the folded strip *d* is
65 stitched to the lower edge of the band B, as at *m*, thus forming a folded ply interposed between the band B and the elastic strips *b*. The rear edge of the folded ply *d* is then stitched to the body of the pants, as at *n*, the line of
70 stitching also passing through the ends of the elastic strips *b*. Thus it will be seen that a waistband is formed disconnected from the body of the pants at the top and carrying a series of button-holes, while its lower end is
75 connected with the body of the pants by means of the folded ply *d* and the elastic strips.

When strain is put upon the waistband, it will readily yield, but not unduly or to such extent as to injure the elastic strips, being
80 limited by the folded ply *d*, thus giving to the waistband great durability.

As will also be seen, the elastic strip being thoroughly protected from perspiration, &c., by the folded ply and band B, no injury or
85 harm can come to the strips from such causes, thus permitting the waistband to be worn for a long period of time, and not become so injured as to be unsightly.

By cutting the button-holes through both
90 the band B and the elastic strip a very durable button-hole is formed.

It is obvious that the waistband B may be made of a single ply of cloth, if desired, without departing from my invention.

The waistband and folded ply may, if desired, be composed of any suitable material other than cloth.

I claim—

1. A waistband for pants, composed of a strip
100 of cloth having elastic strips secured to its rear side and a folded ply, *d*, secured to its lower edge, the opposite edge of the folded ply and the lower ends of the elastic strips being se-

cured to the body of the pants, substantially as described.

2. A waistband for pants, composed of the folded strip of cloth B, having elastic strips *b* 5 attached to the rear side thereof, and button-hole slits cut through both the folded strip and the elastic strips, the lower ends of the said folded strip and of the elastic strips being connected with the body of the pants, substantially as described. 10

3. A waistband for pants, composed of the folded strip B, having elastic strips *b* inserted in slits in the rear side thereof and button-hole slits cut therethrough, and the folded ply *d*, 15 secured to the lower end of the folded strip and to the body of the pants and concealing the elastic strips *b*, substantially as described.

4. A yielding waistband for pants, having elastic fabric by which its elasticity is secured, and having also slack or folded non-elastic 20 fabric attached to the waistband adjacent to the elastic fabric, and thus adapted to relieve the strain on the latter and to limit the yielding movement of the waistband, substantially as set forth. 25

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

BARNARD BIRNBAUM.

Witnesses:

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