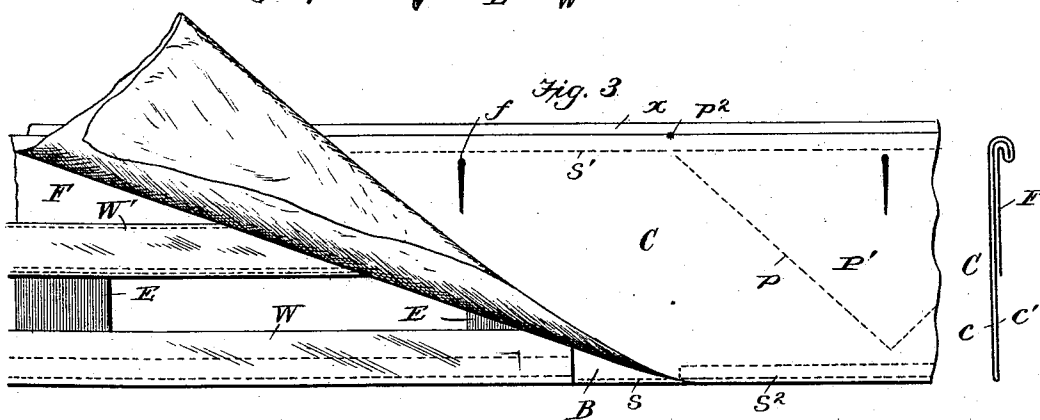
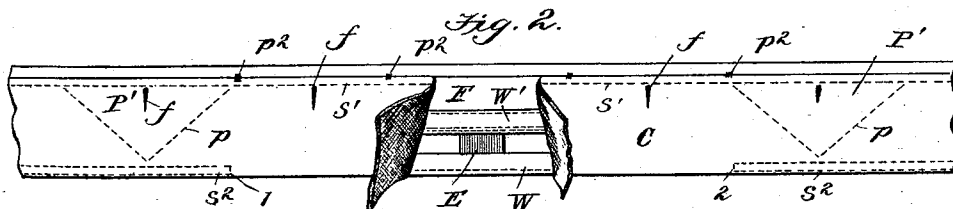
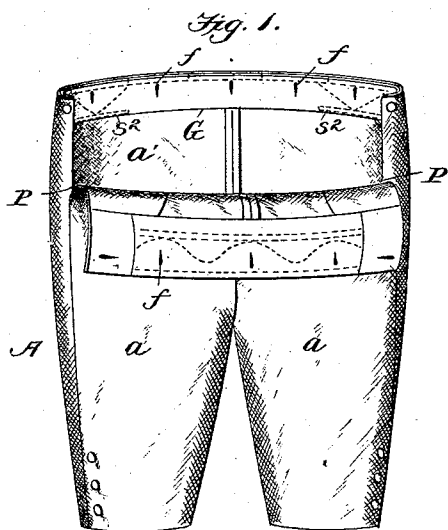


(No Model.)

N. J. SCHLOSS.
WAISTBAND FOR TROUSERS.

No. 471,830.

Patented Mar. 29, 1892.



Witnesses

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UNITED STATES PATENT OFFICE.

NATHAN J. SCHLOSS, OF NEW YORK, N. Y.

WAISTBAND FOR TROUSERS.

SPECIFICATION forming part of Letters Patent No. 471,830, dated March 29, 1892.

Application filed February 3, 1892. Serial No. 420,172. (No model.)

To all whom it may concern:

Be it known that I, NATHAN J. SCHLOSS, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Waistbands for Trousers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to waistbands for trousers of the class wherein elasticity is provided adjacent to the fastening devices employed for connections with other garments.

My improvement is principally adapted for youths' apparel, wherein the nether garment is buttoned to a jacket or shirt-waist.

Referring to the accompanying drawings, wherein like letters and numerals of reference point out similar parts on each figure, Figure 1 represents a pair of boy's trousers provided with my improved supplementary waistband, the flap of the front section being folded down. Fig. 2 is a detail view of the supplementary waistband, parts being broken away and overturned to show interior construction. Fig. 3 is an enlarged detail view of portions of one end of the supplementary band, also a vertical section thereof.

A is a pair of trousers; *a*, its front, and *a'* its rear section, and B a plain strip of fabric, forming a waistband-lining of ordinary description, extending lengthwise of the upper end of the garment and fastened thereto at edge *x* in the usual manner. It may extend completely around the garment, but when applied to trousers of the form illustrated is of two lengths, their respective ends terminating at plackets P. The lower edge of the rear strip B is connected its full length to rear section *a'* by a continuous row of stitching *s*.

C is the supplementary or face band and overlies strip B loosely, except where connected at either end, as presently pointed out. The face-band is composed of a blank strip, returned upon itself at its lower end to compose two main plies *c c'*, which are unitedly overturned at the upper end to form a hem. The ply *c* is then folded under the hem, then overturned and continued downwardly to com-

pose a curtain F, (herein denominated a "fortifying-strip,") said strip being pendent at the rear of the folded face-band. It will thus be understood (see Fig. 3) that the supplementary band C has a main body consisting of two overlying folds *c c'*, an upper hem of six laminae, and an integral interior fortifying-strip F, loosely depending from the hem, permanently held therein at the back of said overlying-folds and in front of lining B, and maintained from being withdrawn therefrom by a row of stitches *s'*, passing through said hem and fortifying-strip. Button-holes *f* are worked into the upper end of the strip F, which are worked through three layers of fabric, supplying requisite strength therefor.

W W' represent rigid webbing of required length and having attached thereto vertical elastics E. The under strip of webbing W at its lower edge is permanently connected to the lining B. The upper one W' is in like manner attached to the lower end of the depending fortifying-strip F, the intermediate portion of webbing and elastics lying loosely and unattached and adapted to be extended and restored to their normal position when subjected to tension either vertically or obliquely.

The principal object and feature of my invention is the provision of means to afford elasticity to the rear of trousers when connected to a shirt-waist, jacket, or similar garment without subjecting the moving parts to any puckering, wrinkling, or folding up of adjacent parts.

I do not claim, broadly, elastic bands adjusted beneath button-holes, as I am aware that such devices have been used before for like purposes, the several members of my improved supplementary band adjusted and arranged, as illustrated and described, in conjunction co-operate to prevent any twisting or folding up of the movable parts, or any portions of the completed device.

In carrying out my improvement the facing-band C, folded upon itself, as hereinbefore set forth, is permanently connected at each end of its lower edge by rows of stitching *s*², respectively, extending to about the points 1 2, leaving an intermediate gap G the length of webbing and attached elastics. The stitching *s*² passes through band C, back strip

B, and rear section of the garment, preventing respective parts from being displaced or folded up.

The upper hemmed edge of the face-band lies loosely its full length, but is kept from falling downward by stays p^2 ; also, at either end, where the lengths of webbing terminate, one or more of the button-holes not directly actuated by elastics E are held from longitudinal movements by oblique rows of stitching p , forming pockets P' , which pockets also serve as a limiting-stop, arresting movement of elastics longitudinally toward either side.

It will be understood that all the button-holes are worked through three folds of cloth, which affords great strength, and that they are further protected from breaking by the overturned upper end of the face-band C.

As a button-hole in alignment with its underlying elastic is extended its direction will at first be vertical; but each one is liable to be drawn in various directions, in which case the next adjacent strip will be operated, and they will severally act in conjunction, permitting the extension at a much greater distance than in any similar device where each button operates singly a separate adjacent elastic. It will be understood that the pull is first on the webbing W' , which will transmit elasticity of all the strips E conjointly. It is well known that the elasticity and resiliency of similar devices, when operated independently, soon become destroyed. My device overcomes these defects by short lengths of elastics connected to the horizontal rigid web-

bing $W W'$, whereby all act in combination and co-operate to prevent the movable members being distorted or the face-planes of the respective fabrics being affected. This is quite an important result to be attained, as the mischief of bunching up loosely-lying cloth has been a serious objection in analogous devices. Not only is the fabric in my improvement kept at its normal plane, but the elastics are also maintained to be moved in alignment therewith, being arranged to slide reciprocally between superimposed folds, practically within pockets formed thereby.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

A supplementary waistband for trousers, consisting of a folded face-band C, having rearward fortifying-strip F, depending downwardly from its upper end, provided with button-holes worked through said face-band and strip, said strip extending the full length of the face-band and having attached at its lower edge a strip of webbing W' , in combination with lower parallel webbing W , separated by intermediate vertical elastics E, the opposite ends of the elastics attached to said webbings, substantially as described.

In testimony that I claim the invention above set forth I affix my signature in presence of two witnesses.

NATHAN J. SCHLOSS.

Witnesses:

JOS. H. LOUIS,

FRED D. LEIPZIGER.