No. 747,809. PATENTED DEC. 22, 1903.

A. G. VELASKO.

UNDERDRAWERS.

APPLICATION FILED AUG. 4, 1903.

NO MODEL. 2 SHEETS—SHEET 1.

FIG. 1.

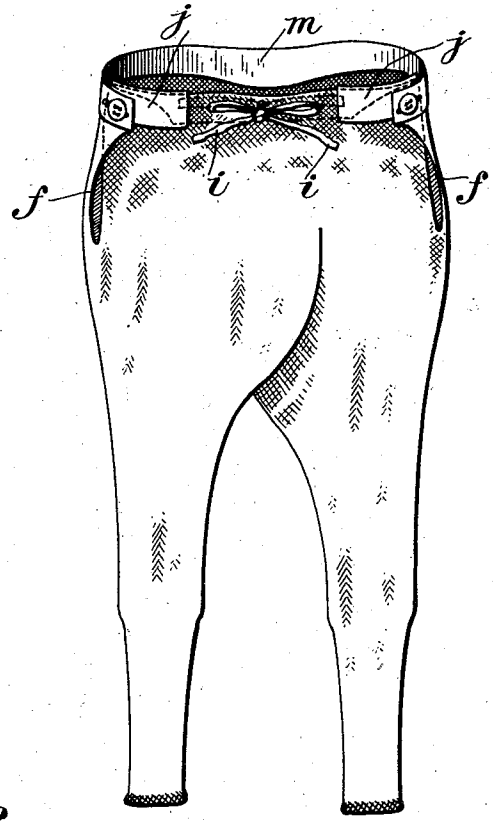


FIG. 2.

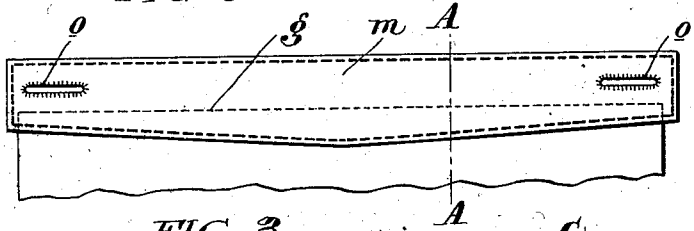


FIG. 3.

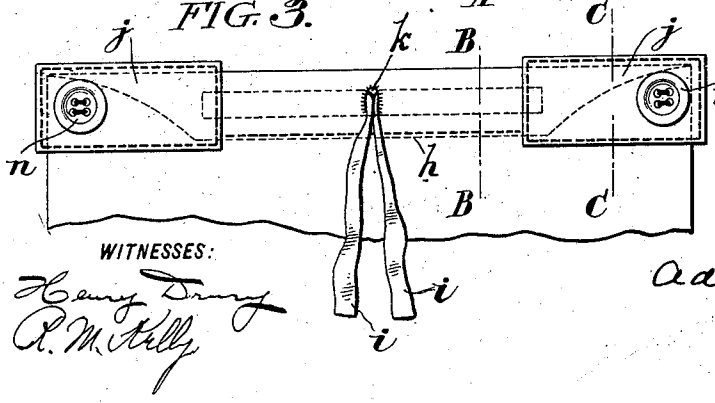


FIG. 4.

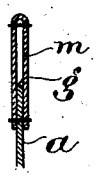


FIG. 5.



FIG. 6.



WITNESSES:

Henry Drury

R. M. Kelly

INVENTOR

Adolph G. Velasko

BY

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

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NO MODEL. 2 SHEETS—SHEET 2.

FIG. 7.

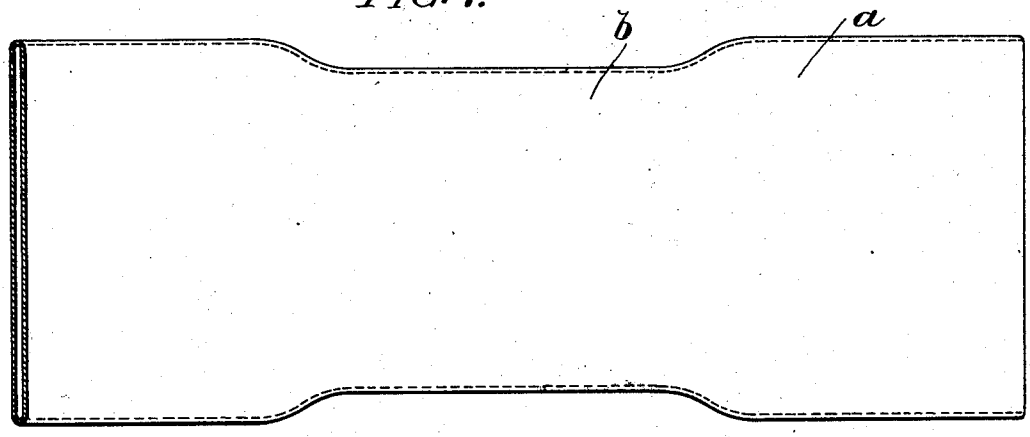


FIG. 8.

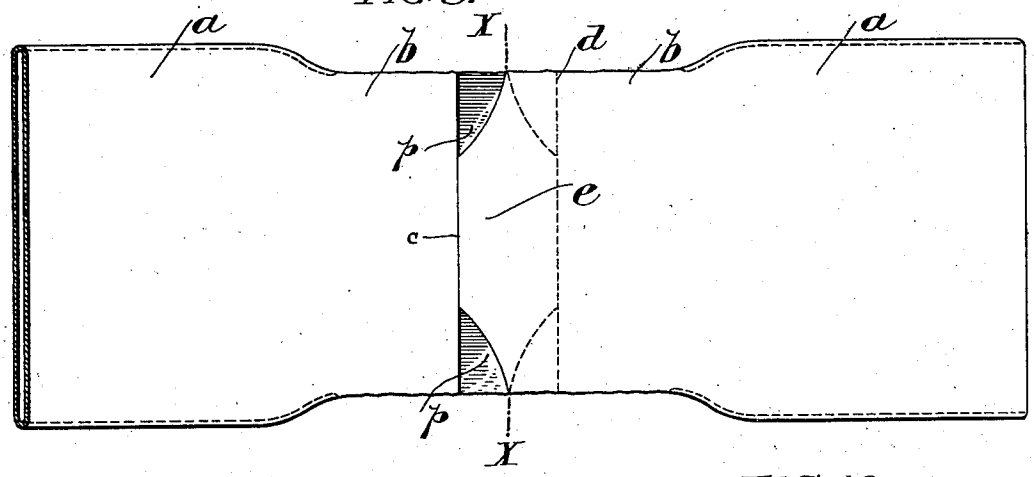


FIG. 9.

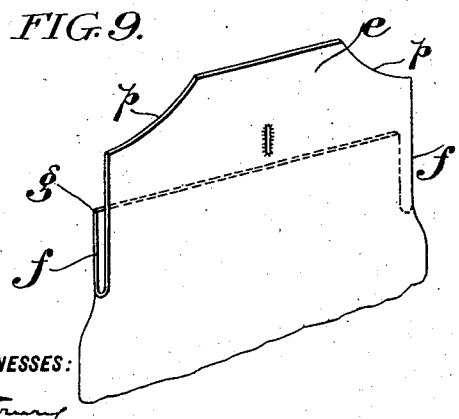
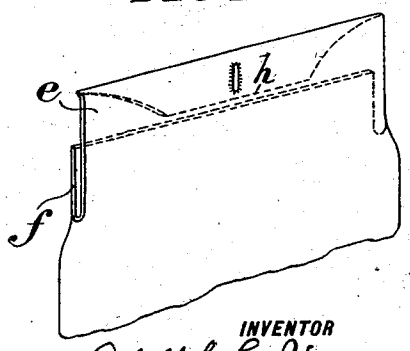


FIG. 10.



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Henry Drury

R. M. Kelly

INVENTOR

Adolph G. Velasko

BY

ATTORNEY.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

No. 747,809. Patented December 22, 1903.

UNITED STATES PATENT OFFICE.

ADOLPH G. VELASKO, OF SYRACUSE, NEW YORK.

UNDERDRAWERS.

SPECIFICATION forming part of Letters Patent No. 747,809, dated December 22, 1903.

Application filed August 4, 1903. Serial No. 168,144. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH G. VELASKO, of Syracuse, Onondaga county, State of New York, have invented an Improvement in Underdrawers, of which the following is a specification.

My improvements are particularly adapted for women's underdrawers formed of elastic knitted fabric. With such drawers it is customary to form the waistband of non-elastic material, and difficulty has been experienced in providing the waistband with sufficient capacity for adjustment without the formation of a lump or protuberance at the back due to the overlapping of the band when contracted, which forms an objectionable lump under the corset and spoils the set of the outer clothing. With ordinary non-elastic waistbands the maximum measure is that of the band itself, and contraction can be effected only by doubling the band upon itself, thereby increasing its thickness.

My improvements while preserving all the advantages of the non-elastic waistband permit the drawers to have a maximum waist measure which may be contracted to a very great extent without increasing the thickness at any portion of the non-elastic band or producing any lumps or protuberances.

It is a further advantage of my construction that the waist measure is not only adjustable, but elastic, and may be extended beyond the normal waist measure as well as contracted.

It is also an advantage that the construction saves material and is less expensive.

In the drawings, Figure 1 is a perspective view looking from the back of a pair of women's underdrawers embodying my invention. Fig. 2 is a plan view of the front portion of the waistband. Fig. 3 is a similar view of the back portion of the same. Figs. 4, 5, and 6 are transverse sectional views on the line A A of Fig. 2 and B B and C C of Fig. 3, respectively. Fig. 7 is a plan view of the knitted tube from which the underdrawers are made. Fig. 8 is a similar view illustrating the manner of cutting the tube to form two pairs of underdrawers, and Figs. 9 and 10 are perspective views of the top of the tube after cutting and showing the same respectively before and after the folding down of the back flap.

Referring first to Figs. 7 to 10, which illustrate the preferred method of cutting the knitted fabric to form the waist portions of the drawers, *a* is an ordinary tubular piece of knitted fabric having the usual contracted or close-knitted elastic portion *b*. One layer or thickness of the tube is cut transversely on the line *c*, parallel to and a slight distance from the center line *x x* of the portion *b*, and the other layer or thickness is cut in a similar way on the line *d* at an equal distance on the other side of the median line *x x*. The tube is thus severed into two similar pieces, each provided at the back with a flap *e*, extending above the edge *g* of the front formed by the cut *c* or *d*. These two pieces are then similarly finished, each to form the waist of a pair of drawers. The upper side edges are slit, as at *f f*, to separate the front and back portions at the top. The back flap *e* is then doubled over upon itself, as shown in Fig. 10, and stitched on the line *h* to form a hem for the drawing-strings *i i*. Two short non-elastic portions *j j* are sewed upon the ends of the back flap *e*, leaving the intermediate doubled portion through which the drawing-strings extend free. The ends of the drawing-strings may be secured to the inner ends of the short non-elastic pieces *j j* and their free ends pass through an eye *k* in the middle of the back. A non-elastic waistband *m* is sewed to the edge *g* of the front portion, and the ends of this waistband portion *m* and the outer ends of the short non-elastic back pieces *j j* may be provided with buttons *n* and buttonholes *o* or other fastening devices. Before folding over the back flap *e* and attaching the short pieces *j j* the corners of the flap may be cut off, as at *p p*, to reduce the thickness of the material under the pieces *j j*. With this construction it is apparent that the maximum waist measure is not limited by the non-elastic waistband portions, but contains an elastic back portion which may not only be contracted to a great extent by the drawing-strings *i i* to lessen the waist measure, but may also be extended to the limit permitted by the elasticity of the knitted fabric between the non-elastic back pieces. As this central portion is formed

of soft knitted fabric, its contraction will not produce the objectionable lump or fold referred to, and a much more comfortable and neater garment is obtained.

While I prefer to form the drawers by cutting a tubular piece in the manner shown in Figs. 7 and 8 to make the waist portions of two pairs of drawers, I do not mean to limit myself thereto, as the fabric may be cut or formed in any suitable manner without departing from the invention, provided it preserves the feature of the central portion of elastic knitted fabric at the back of the waistband between the non-elastic end pieces to allow for adjustment of the waist measure without affecting the non-elastic portion.

What I claim as new, and desire to secure by Letters Patent, is as follows:

1. A pair of knitted underdrawers provided at the front with a non-elastic waistband secured to the upper edge of the knitted fabric, and at the back with two short pieces of non-elastic material secured to the knitted fabric at the ends of the back portion and connected together by the central portion of the knitted fabric of said back portion.

2. A pair of knitted underdrawers provided at the upper edge of the back with a doubled portion of knitted fabric having short non-elastic pieces secured to its ends, and at the front portion with a non-elastic band secured to the upper edge of the knitted fabric and provided with means for detachably connecting it with the outer ends of the short non-elastic pieces of the back portion.

3. A pair of knitted underdrawers provided at the upper edge of the back with a doubled portion of knitted fabric having short non-elastic pieces secured to its ends and having drawing-strings secured to said short non-elastic pieces and extending through said doubled portion of knitted fabric, and at the front portion with a non-elastic band secured to the upper edge of the knitted fabric and provided with means for detachably connecting it with the outer ends of the short non-elastic pieces of the back portion.

4. A pair of underdrawers formed of knitted fabric and provided with a non-elastic waistband terminating at the back at a distance from the center on each side and having the central portion of the back between the ends of said non-elastic waistband formed of elastic knitted fabric integral with the body of the drawers.

5. A pair of underdrawers formed of knitted fabric and provided with a non-elastic waistband terminating at the back at a distance from the center on each side and having the central portion of the back between the ends of said non-elastic waistband formed of elastic knitted fabric integral with the body of the drawers, the ends of the waistband at the back being provided with means for drawing them together to adjust the length of said elastic central portion between them.

6. A pair of underdrawers formed of knitted fabric having the back portion of the waist formed with an integral flap extending above the upper edge of the front portion and folded upon itself, said folded back portion having short non-elastic pieces secured to its outer ends leaving the central folded portion free, and the front portion having a non-elastic band secured to its upper edge and adapted to be connected at its ends to the outer ends of the short pieces secured to the back, said short back pieces being provided with means to draw them together to adjust the length of the central free folded portion.

7. A pair of underdrawers formed of knitted fabric having the back portion of the waist formed with an integral flap extending above the upper edge of the front portion and having its corners cut off, said flap being folded upon itself and having short non-elastic pieces secured to its outer ends over said cut-off corners, leaving the central folded portion free, and the front portion having a non-elastic band secured to its upper edge and adapted to be connected at its ends to the outer ends of the short pieces secured to the back said short pieces being provided with means to draw them together to adjust the length of the central free folded portion.

In testimony of which invention I have hereunto set my hand.

ADOLPH G. VELASKO.

Witnesses:
MATTHEW E. YARWOOD,
JNO. BESIG.