

UNITED STATES PATENT OFFICE.

JOHN R. VAN DAME, OF GRAND RAPIDS, MICHIGAN.

SLEEVE-PATTERN.

SPECIFICATION forming part of Letters Patent No. 618,387, dated January 24, 1899.

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To all whom it may concern:

Be it known that I, JOHN R. VAN DAME, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Sleeve-Patterns, of which the following is a specification.

My invention relates to improvements in patterns for dress-sleeves; and its objects are, first, to provide a sleeve-pattern that may be readily adjusted to any length of sleeve, and, second, to provide a pattern that may be readily adjusted to any width or depth of sleeve. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective of my pattern with the several parts assembled; and Figs. 2, 3, 4, 5, 6, and 7 show the several parts in detail. Similar letters and numerals refer to similar parts throughout the several views.

My pattern is constructed in several detachable sections 2, 3, 4, 5, 6, and 7, united, as hereinafter described, to form a unitary adjustable pattern.

No. 2 forms the shoulder portion of the pattern and extends from the shoulder to the elbow. The shoulder-seam is formed along the line from A to A', and then the pattern is reversed, using the point A as a pivot. The opposite end of this section extends to and under the end 2' of section 3 and is adjustably connected therewith by means of the studs or slides a' , which are arranged to pass through the holes h in section 3 and the slots a in section 2. Section 2 is graduated along the slot a in inches, as indicated by the numerals 12, 13, 14, and 15, and in half-inches, as indicated by the intermediate lines, for the purpose of facilitating the longitudinal adjustment of the pattern.

Section 3 extends from section 2 to section 4 and forms the portion of the pattern extending from the elbow to the wrist and is slidably connected with the section 4 by studs b' , that pass through the apertures h' and the slot b , which latter is graduated in inches, as indicated by the numerals 8, 9, 10, and 11, to facilitate the longitudinal adjustment of this portion of the pattern. This completes the upper or back portion of the pattern.

The lower portion of the pattern is com-

posed of corresponding sections, as follows:

Section 5 is placed opposite section 2 and is adjustably connected therewith by the stud g' , which passes through the aperture h^2 in the arm 1' and the slot g in the arm 5'', which slot is graduated in half-inches, as indicated by the numerals 11 to 16, inclusive, to facilitate the lateral adjustment of this portion of the pattern. The other end of section 5 is adjustably connected with one end of section 6 by the studs d' , which pass through the aperture h^3 in section 6 and the slot d in section 5 for longitudinal adjustment at this point corresponding with the longitudinal adjustment at a . At the opposite end of section 6 is an arm which projects up and is adjustably connected with the arm 7' on section 3 by means of the stud f' , which passes through the aperture h^4 and the slot f , graduated from 10 to 12, inclusive, for facilitating the lateral adjustment of this portion of the pattern. This end of section 6 is adjustably connected to the corresponding end of section 7 by the stud e' , shown in outline, which passes through the aperture h^5 and the slot c in section 7 to facilitate longitudinal adjustment at this point to correspond with the like adjustment at 3', and the opposite end of section 7 is correspondingly connected with the arm 4' on section 4 by the stud e' , which passes through the aperture h^6 and the slot e to facilitate the lateral adjustment of the pattern at this point, which adjustment is adjusted to the indexed lines 5 to 7 on the arm 4'.

To adjust this pattern to any given size of sleeve of length from shoulder to elbow, slide section 2 until the end 2' of section 3 rests on, say, 14, section 5 being at the same time proportionally adjusted with section 6. The length from elbow to wrist is in like manner adjusted by placing the end 3' of section 3 upon, say, the 10-mark of section 4 proportionately along on section 6, and for lateral adjustment to correspond with size around the arm slide the arm E along until it rests, say, on No. 14, which gives one-half the size around. For the size around the elbow place the end 7, say, on 12, and for the size around the wrist place the side of the end C of section 7 on 6 of the scale on the arm 4' of section 4.

Having satisfactorily adjusted the pattern,

place it upon the sleeve-lining or piece of paper and draw a line from A to A', from A' to B, from B to C, and from C to D. Dot the V's and draw a line, as J, across at the elbow.

- 5 Reverse the pattern, using A as a pivot and bring A' to D and draw a line from this point to A to complete this portion of the pattern.

For the under-sleeve pattern turn the pattern right side up, draw a line from C to D, from D to E, from E to F, from F to G, and from H to I.

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

- 15 In a sleeve-pattern, a shoulder-section broad at the base and convex, the inner corner carried beyond the inner base-line of the section, the outer edge slightly concave, an arm projecting from its inner edge and provided with a stud, an under-arm section having an arm projecting from its inner edge and registering with the arm on the shoulder-section and provided with a slot to receive the stud in the arm of the shoulder-section, the end of this section and the edges of the arms forming a concave line which terminates at the inner edge of the shoulder-section some distance from the end, a back-elbow, and an under-elbow section slidingly attached to the

shoulder and under-arm section for longitudinal adjustment, the back-elbow section convex on its outer edge and concave on its inner edge with an arm extending from its longitudinal center to, and slidingly attached to the end of the under-elbow section for lateral adjustment, a long concavo-convex section slidingly attached to the end of the under-elbow section for longitudinal adjustment and adapted by pivot-joints, as at c', to a swinging motion, a short-wrist section slidingly attached to the end of the outer-elbow section for longitudinal adjustment, and having an arm projecting from the inner edge at the end and slidingly attached to the inner-wrist section for lateral adjustment at the wrist end of the pattern, all of said sections tapering from the shoulder to the wrist and one end of each of said sections made concave and the other edge made convex to produce perfect form from the shoulder to the wrist, substantially as and for the purpose set forth.

Signed at Grand Rapids, Michigan, this 12th day of March, 1897.

JOHN R. VAN DAME.

In presence of—

ANDREW ALLGIER,
I. J. CILLEY.