

(No Model.)

2 Sheets—Sheet 1.

F. WALLACH.
GARMENT.

No. 260,143.

Patented June 27, 1882.

FIG. 3.

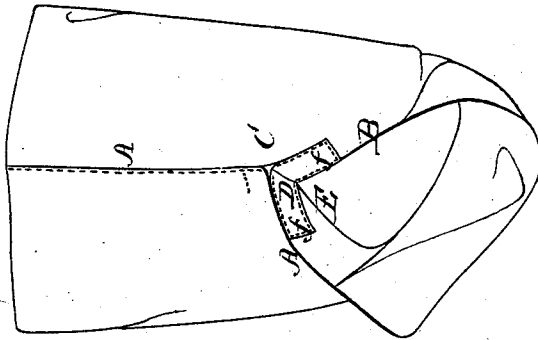


FIG. 2.

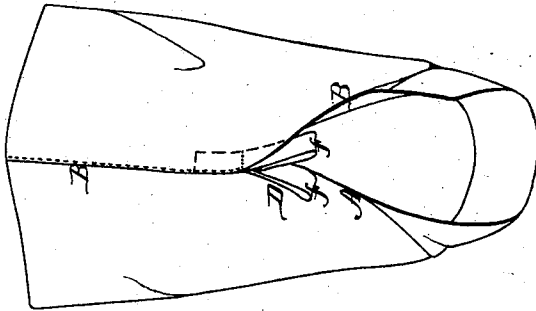
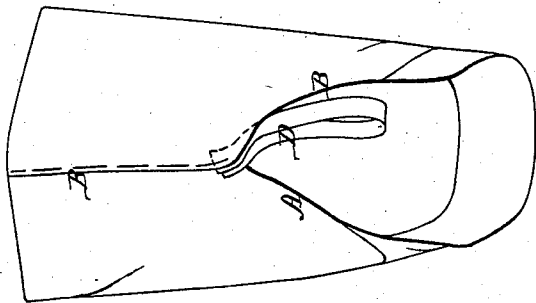


FIG. 1.



WITNESSES:

Jacob Fehbel
H. H. Calary

INVENTOR

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(No Model.)

2 Sheets—Sheet 2.

F. WALLACH,
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FIG. 6.

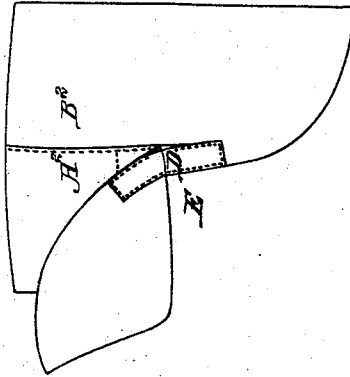


FIG. 5.

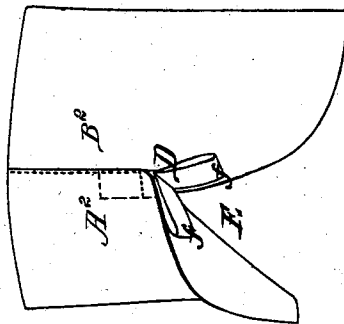
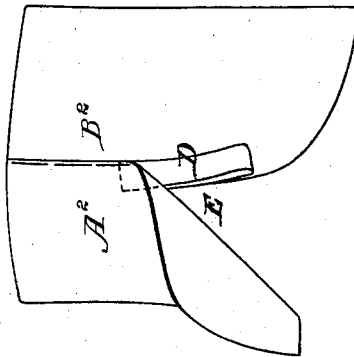


FIG. 4.



WITNESSES:

Jacob Felbel
vs. A. Clary

INVENTOR

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UNITED STATES PATENT OFFICE.

FRANK WALLACH, OF NEW YORK, N. Y., ASSIGNOR TO H. WALLACH'S
SONS, OF SAME PLACE.

GARMENT.

SPECIFICATION forming part of Letters Patent No. 260,143, dated June 27, 1882.

Application filed May 11, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANK WALLACH, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Garments; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this application.

My invention relates to a novel contrivance for strengthening a crotch or angle formed at any portion of any garment by two edges of the material which are sewed together during a portion of their lengths and left detached for the balance thereof—as, for instances, the crotch or angle at the root of the slit or longitudinal opening which usually extends from the lower end of a shirt or coat sleeve some distance up, or at the root of the slit or opening at each side of the lower portion of the tail of a shirt, or at the root of the front or "fly" opening in a pair of pantaloons or drawers.

Previous to my invention it has been customary to strengthen and re-enforce such parts of garments, so as to prevent the rupture of the ends of the seams thereat, by various sorts of stay-pieces and devices sewed or otherwise attached to the material in a manner designed to firmly hold together the sewed edges at the point or angle at which the disunited portions of the edges of the stuff meet; and in some instances a strip of some suitable material, (either similar to or different from that composing the garment,) either separate from or integral with the stuff of which the garment is made, has been sewed across the crotch or angle referred to and united to the unattached portions of the edges referred to in a manner designed to take most or all of the strain off of the end of the seam uniting the attached portions of said edges; but in all the contrivances heretofore used (with which I am familiar) for the purpose alluded to either an unnecessary expense has arisen from the employment of such means for strengthening the portions of the garment referred to, or the means employed have been somewhat inefficient, especially in certain lines of manufactured garments, where great strength and cheapness in price have to prevail.

I propose to strengthen the parts of such garments at the localities mentioned in a very efficient manner and at a very small cost; and to this main end and object my invention consists in the improved contrivance or means hereinafter more particularly explained, and most specifically pointed out in the claim of this specification.

To enable those skilled in the art to which my invention relates to perfectly understand and practice the same, I will now proceed to more fully explain my invention and that mode of carrying out the same which now seems to me to be the best, and in which I have so far successfully practiced said invention, referring by letters to the accompanying drawings, forming part of this specification, and in which, for the purpose of illustrating my invention, I have shown two applications of the latter—one to the lower portion of the shirt-sleeve, the other to the lower portion of the shirt-tail. In each instance the garment represented belongs to that class of shirts in the manufacture of which cloth or flannel (usually blue) is used.

Figure 1 shows the lower portion of a shirt-sleeve with the material composing it merely basted together at the side seam of the sleeve, and with the crotch-strengthening device preliminarily attached or basted in its place. Fig. 2 shows the same parts with the side seam of the sleeve sewed up, with that part which has to be included in said seam fastened into the latter, while Fig. 3 shows the strengthening device put into final shape and the whole contrivance finished. Figs. 4, 5, and 6 are views showing respectively the same things as the three preceding, except that in place of the lower portion of the sleeve of a shirt that part of the shirt-tail is shown at which one of the side seams and tail-slits occur.

In the several figures the same part will be found designated by the same letter of reference.

At Figs. 1, 2, and 3, A and B represent the two edges, which, when the sleeve shall have been completed, are to be securely stitched together from the tops of the sleeve down to the point C, as shown at Fig. 3; and D represents the strengthening device for the angle or root

of the slit or sleeve-opening, (seen at E in the last-mentioned figure.) The two edges referred to are first basted together, as seen at Fig. 1, and the device D, which in this case is a strip composed of a piece of tape, is secured by basting at one of its ends to one of the edges, as seen in said figure.

The device D, it will be seen, is a strip doubled or folded onto itself; and it will be seen that the portion of this doubled tape which is secured to the sleeve material is that part where the ends of the doubled-over tape meet each other. It will be further observed that this doubled end portion of the tape device D is so arranged relatively to the edges of the sleeve-stuff and is so basted to one of said edges that when the basted work shall have been permanently sewed together the united parts will present the condition shown at Fig. 2, where the work is shown as having had the device D sewed securely in between the united edges of the sleeve-stuff, near the end of the side seam of the sleeve, and where the work is also represented as having been turned since the securement thus in place of the device D.

That portion of the double and fastened tape D which protrudes beyond the point C is now folded onto itself, so as to form a bifurcation or two wings or double portion, *ff*, as seen at Fig. 3, and these two wing-like portions *f* and *f* are then securely stitched respectively to the unattached portions of the two edges of the sleeve-stuff in the manner plainly illustrated at Fig. 3. By preference these portions *ff* of the strengthening device D are sewed down along their edges and also at their ends, as indicated by the broken or dotted lines at Fig. 3.

It will be seen that when the parts have been sewed together, as seen in the last-named figure, the angle or usually weak point at the

root of the sleeve-opening E will be braced, and any rupture of the united edges at the point C by pulling apart the unattached edges of said sleeve-opening will be prevented by the bridging or bracing wing portions *ff* of the device D.

Of course some variations in the precise arrangement shown of the device D may be made without materially changing the principle of construction and mode of operation of the contrivance so far shown and described, and any such variations I deem to be within the scope of my invention.

At Figs. 4, 5, and 6 substantially the same construction and mode of operation are shown as just above explained in reference to Figs. 1, 2, and 3, except that in lieu of the edge portions of a sleeve the portions A² B² represent the edges of the stuff forming portions of the shirt-tail.

The device D and its arrangement with these edges and the opening E are the same as in the case of the sleeve-opening, and any further explanation thereof is therefore unnecessary.

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

In combination with the united and the unattached edges or portions of a garment, a strengthening device, D, composed of a double strip, the end portions thereof being secured in the side seam of the sleeve or other part of a garment, and the balance of the said device being doubled or folded on itself and secured to the unattached portions of the slit or opening of the sleeve or other part of the garment, substantially as and for the purpose set forth.

In witness whereof I hereunto set my hand this 29th day of April, 1882.

FRANK WALLACH.

In presence of—

L. J. KATZMAN,
JACOB FELBEL.