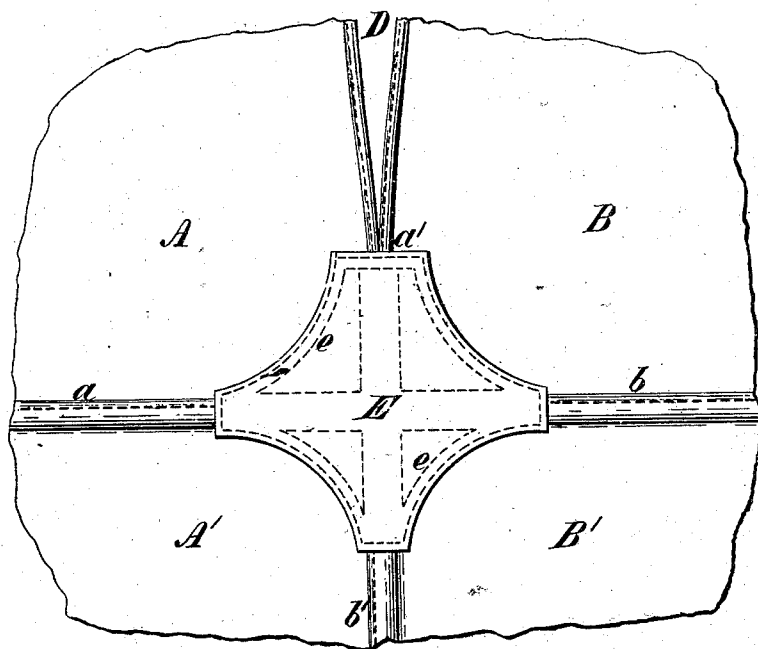


A. BORCHARDT.
REINFORCING SHIELDS FOR SEAMS.

No. 192,051.

Patented June 19, 1877.



Witnesses:

E. L. Loring
Solomon Moses

Inventor:

Albert Borchardt

UNITED STATES PATENT OFFICE

ALBERT BORCHARDT, OF HOBOKEN, NEW JERSEY.

IMPROVEMENT IN RE-ENFORCING SHIELDS FOR SEAMS.

Specification forming part of Letters Patent No. **192,054**, dated June 19, 1877; application filed April 18, 1877.

To all whom it may concern :

Be it known that I, ALBERT BORCHARDT, of Hoboken, Hudson county, and State of New Jersey, have invented certain Improvements in Fastening and Barring the Seams of Garments, of which the following is a specification :

The object of my invention is to make a secure fastening where three or more seams center near an opening in a garment, and my invention consists in re-enforcing the seams and barring the opening in the garment by means of a piece of leather of suitable shape, which is secured in the desired position by a row of stitching along each side of each seam.

The accompanying drawing illustrates my invention applied to the centering point of the crotch seams in a pair of drawers.

The drawing represents an inside view of the crotch of a pair of drawers, showing the opening in front and the method of securing my re-enforcing leather over the seams which center in the crotch.

The drawing shows the meeting lines in the crotch of a pair of drawers of the four pieces of cloth, A, A', B, and B'. The pieces A, A', B, and B' are joined together respectively by the seams *a* and *b*. The pieces A and B and A' and B' are respectively joined by the seams *a'* and *b'*, the latter terminating at the bottom of the opening D in the front of the drawers.

My re-enforcing leather, E, may be of any suitable shape, and of such dimensions as to cover a suitable length of each of the seams. A re-enforcing leather of the shape and size of

that shown in the drawings will answer for ordinary purposes. The drawing shows an eight-sided piece of leather, having four rectangular sides and four concave sides. The rectangular sides extend transversely across the seams respectively. One of the rectangular sides is made wider than the others, for application across the seam at the bottom of the opening in the front of the drawers. The re-enforcing leather is secured to the garment by a row of stitches along each side of each seam, and by rows of stitches across the seams and along the concave sides of the re-enforcing leather, as shown by the dotted lines *c*.

My re-enforcing leather performs a three-fold function; it makes the garment smooth on the inside by shielding the point where the seams center; it adds strength to the centering point of the seams; and it constitutes an effective means of barring across the bottom of the opening in the front of the drawers.

I am aware that re-enforcing and barring pieces have been applied to garments heretofore, and I do not therefore claim such pieces broadly.

I claim as my invention—

The fastening and barring leather E, arranged over a seam or seams on the inner side of a garment, and adapted to operate as a shield to prevent the seams from irritating the skin of the wearer, substantially as herein shown and described.

ALBERT BORCHARDT.

Witnesses:

E. L. LERSNER,
SOLOMON MOSES.