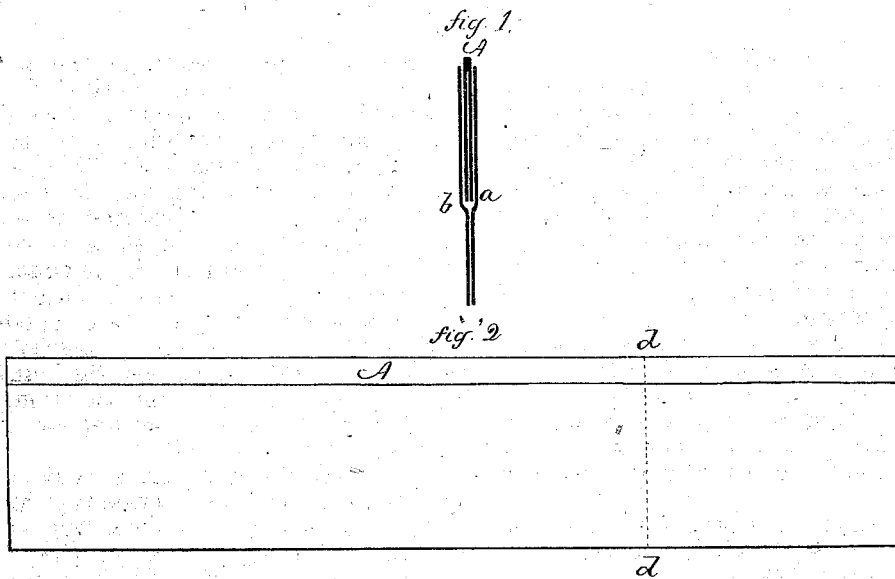


C. WINSLOW.

Elastic Material for Boot and Shoe Gores.

No. 136,119.

Patented Feb. 18, 1873.



Witnessed

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UNITED STATES PATENT OFFICE.

CHARLES WINSLOW, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN ELASTIC MATERIALS FOR BOOT AND SHOE GORES.

Specification forming part of Letters Patent No. 136,119, dated February 18, 1872.

To all whom it may concern:

Be it known that I, CHARLES WINSLOW, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new Improvement in Goring for Boots and Shoes; and I do hereby declare the following, when taken in connection with the accompanying drawing and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawing constitutes part of this specification, and represents, in—

Figure 1, a vertical or transverse section of the upper edge enlarged; and in Fig. 2, a diagram illustrating the construction.

This invention relates to an improvement in the manufacture of that class of elastic goring for boots and shoes commonly known as shirred goring.

It is well known that after a little use the upper edge of this goring becomes broken by the giving away of the elastic material. To overcome this difficulty is the object of my invention; and it consists in the introduction of a stay between the outer and inner materials at the edge during the process of construction, as more fully hereinafter described.

I take one strip of fabric, *a*, and spread it out its full length, as seen in Fig. 2, and coat the upper surface with any suitable India-rubber gum or material to cause the India rubber to adhere thereto. Then onto this I place a sheet or strands of vulcanized rubber, the length of which, in its natural state, is less than the length of the fabric—say, extending

to about *d*. This I secure at one end and stretch until it covers the fabric and secure at the other end; then upon the edge place a strip of non-elastic material, *A*, which, if it be of sufficient strength and with a selvage, may be single; or, if not, may be double, as seen in Fig. 1. This is secured by suitable gum, as before mentioned, so as to be flush with or slightly project above the edge; then coat the upper surface as before, place thereon another fabric, *b*, and press hard together or otherwise to set the adhesive material; then remove the means which held the India rubber stretched and it will contract, taking with it the fabric, to about the natural state of the rubber, or to the point *d*.

Thus prepared, the goring is ready for use, the stay *A* giving a neat appearance and finish at the edge, as well as preventing the tearing down or turning over of the edge.

For ordinary use I insert this stay upon both edges, cutting the gores alternately from opposite edges.

I claim as my invention—

The herein-described shirred or corrugated goring, consisting of the outer and inner fabric, with the vulcanized strands or sheets of rubber between, and the stay *A*, of non-elastic material, inserted between the edges of the two fabrics, substantially as specified.

CHARLES WINSLOW.

Witnesses:

ALEX. MOSELEY,
J. G. INGERSOLL.