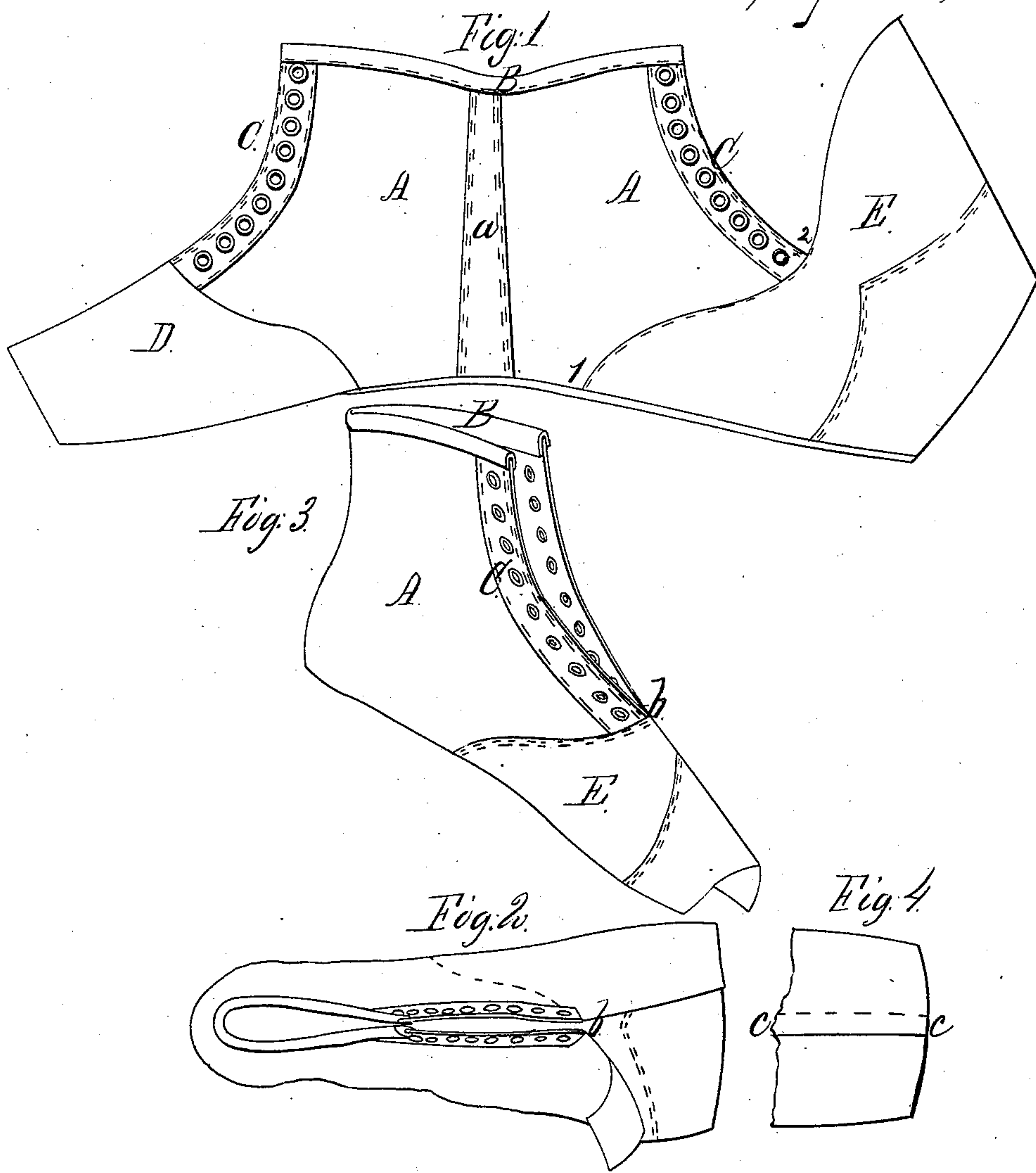


J. Cowles,
Fitting Shoe Uppers,
No. 44,163,
Patented Sept. 13, 1864.



Witnesses:
J. W. Trepper
D. A. Hopper

Inventor:
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by his attorney
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UNITED STATES PATENT OFFICE.

JOHN COWLES, OF ROCHESTER, NEW YORK.

FITTING SHOE-UPPERS.

Specification forming part of Letters Patent No. **44,163**, dated September 13, 1864.

To all whom it may concern:

Be it known that I, JOHN COWLES, of the city of Rochester, county of Monroe, and State of New York, have invented a new and Improved Mode of Fitting Shoe-Uppers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and in which—

Figure 1 is an external view of a balmoral upper, to which my invention is applied; Fig. 2, a plan view of a closed balmoral upper having the inside turned out; Fig. 3, a view in perspective of the outside of a finished balmoral upper, and Fig. 4 a view of the front lining where cemented together.

My invention consists in forming the finished upper by stitching or sewing with a sewing-machine the vamp to the quarter in one continuous seam of any desired curvature, and in uniting the front parts of the lining to each other with cement.

To enable others skilled in the art to use my invention, I will proceed to describe it.

The quarters or back of the upper being prepared in the usual way, or as shown in the drawings, where A represents the quarter united at the back and covered with the stay *a*, stitched on its edges, B the binding, D the lining, and C the rows of eyelets for the lacing, are in condition to receive my invention. The back, with its right side out, is now pricked on or near the edge of the right quarter, at the points 1 and 2 of Fig. 1, and the vamp E is so placed thereon as that the edge of the upper shall continue in the desired line on its edge to form the front of the upper, and this will always be the case when the center of the vamp shall come directly opposite and in line with the opening, where the facings that receive the eyelets terminate,

as at *b* in Figs. 2 and 3. The needle of the sewing-machine is now inserted through the vamp, the upper, and the lining, near Fig. 1, and the center of the vamp is placed on the prick at Fig. 2, when the seam is sewed from 1 to 2 on the proper curvature. The upper is now released from the machine and turned inside out, the other side of the vamp is fitted properly to its side of the back of the upper, and the needle again inserted in the last stitch previously made, and the seam continued until the vamp is securely sewed down onto the back. The points where the lining joins from the top of the vamp to the toe of the upper are united with cement, as shown at *c c* in Fig. 4, instead of being sewed as formerly, and when the upper is lasted the lining becomes smooth and does not pucker or wrinkle when the shoe is finished. By this mode of uniting the vamps, quarters, and linings of uppers, more especially in those shoes known as "balmorals," I have effected an important economy in the labor of preparing the same, while at the same time I produce a more perfect fabric.

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

1. The combination of the vamps, quarters, and lining when sewed and cemented substantially in the manner and for the purpose set forth.

2. In combination with vamps and quarters, united as described, the joining the fronts of the lining and causing them to cohere with cement, as and for the purpose set forth.

In testimony whereof I have hereunto subscribed my name.

JOHN COWLES.

In presence of—

JNO. C. CHUMASERO,
JESSE SHEPHERD.