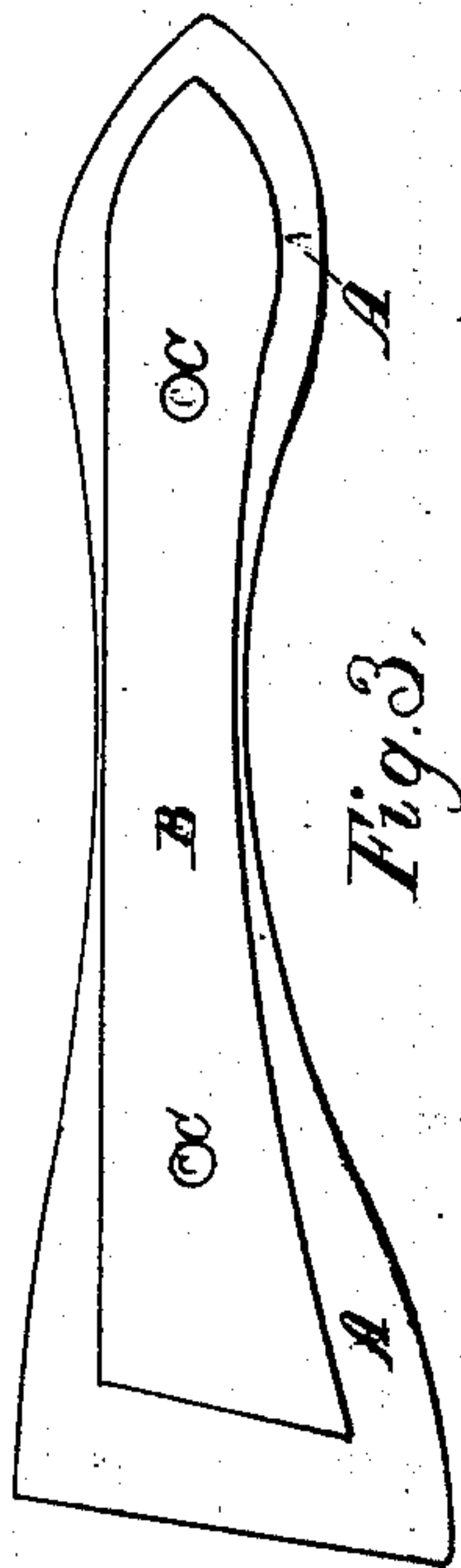
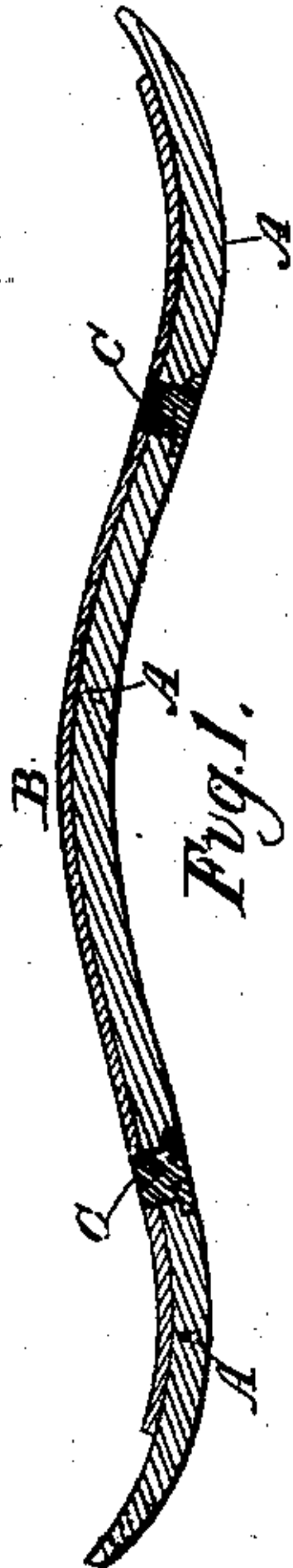
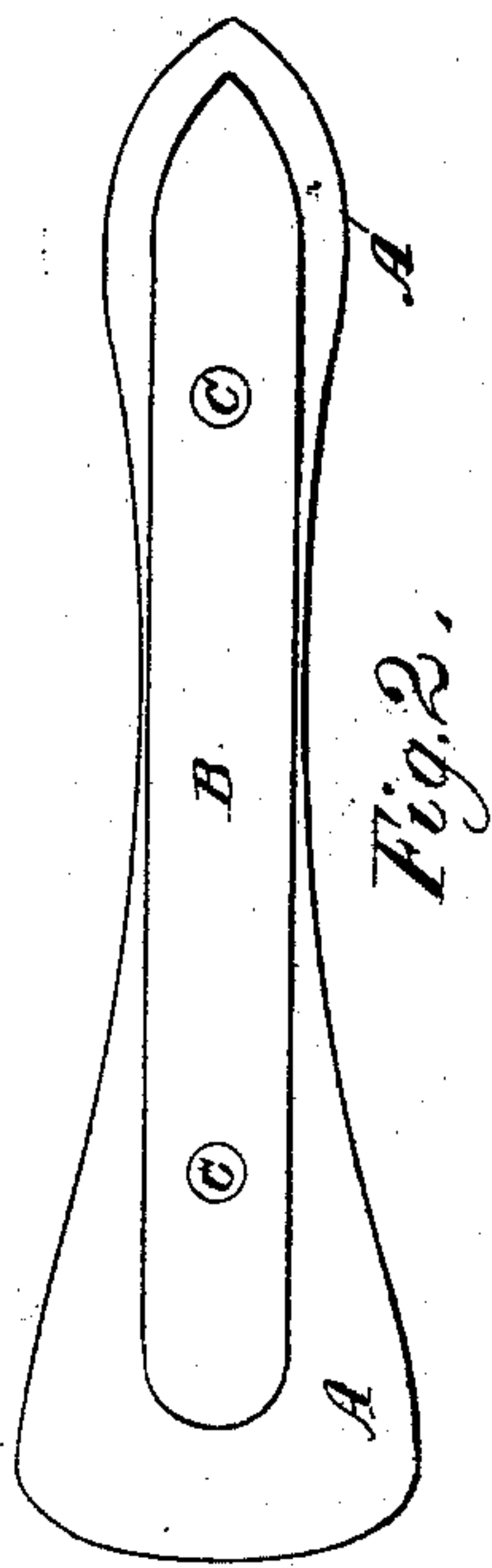


*A. J. & A. J. Rice,*

*Shoe Sole.*

*No. 68652.*

*Patented Sept. 10. 1867.*



*Witnesses.*

*W. D. Northend*  
*E. Maynard*

*Inventors.*

*Andrew James Rice*  
*A. Jacob Rice*

# United States Patent Office.

ANDREW JACOB RICE AND ANDREW JAMES RICE, OF SALEM, MASSACHUSETTS, ASSIGNORS TO ANDREW JACOB RICE, OF SAME PLACE.

*Letters Patent No. 68,652, dated September 10, 1867.*

## IMPROVED BOOT AND SHOE SHANK.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, ANDREW JAMES RICE and ANDREW JACOB RICE, both of Salem, county of Essex, and State of Massachusetts, have invented a new and improved Shank for Boots and Shoes; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, in which—

Figure 1 is a longitudinal section.

Figure 2, an elevation of a straight shank.

Figure 3, an elevation of a right and left shank.

We make our shank in two parts, A and B. The part A is made in the desired shape for the shank, and the part B is made to fit upon it, and the two parts are then secured to each other in any convenient manner. We make the part A of leather, or any similar material possessing the requisite strength and pliability, such as raw hide, rubber, &c., but leather is the cheapest and best material known to us. The part B we make of metal, as its only purpose is to strengthen the shank and prevent it from getting out of shape. We use a thin strip of steel of spring temper, as that is the best material known to us. In the drawings these parts are fastened together by rivets, one near each end of the part B, and this is the best method known to us of fastening these parts together, although it is evident that they might be fastened together with tacks, clinched on one side, or by stitching, suitable holes in either case being first made through the part B. Shanks of steel, leather, and other material are well known, but they are all liable to various objections. Steel shanks, though they are not liable to break, and retain their shape well, are almost certain, when the boot or shoe is worn, to cut the parts against which they bear, and all other shanks known to us are apt to break or get out of shape. Our shank we believe to be free from these objections, and is the only one known to us made in two parts; except one, which is made of two pieces of steel.

What we claim as our invention, and desire to secure by Letters Patent, is—

As an article of manufacture, a shank made of leather and steel, secured together by rivets, all substantially as described.

ANDREW JAMES RICE,  
A. JACOB RICE.

Witnesses:

W. D. NATHEND,  
J. E. MAYNADIER.