

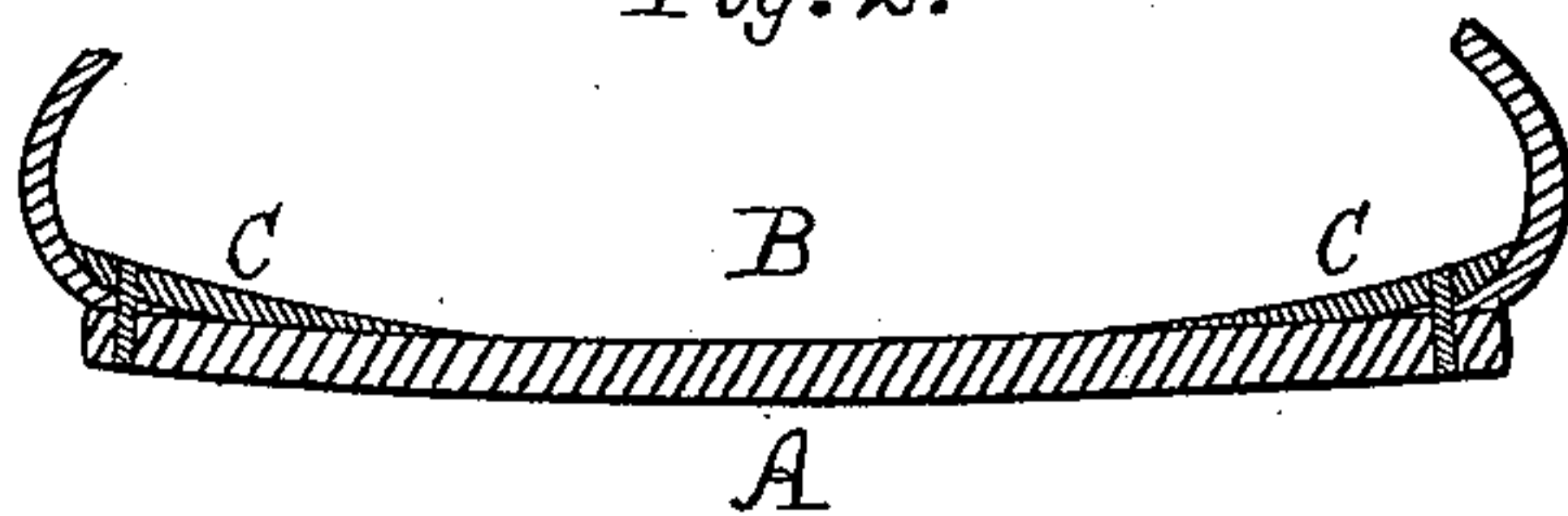
(No Model.)

C. GRANT, JR.  
BOOT OR SHOE.

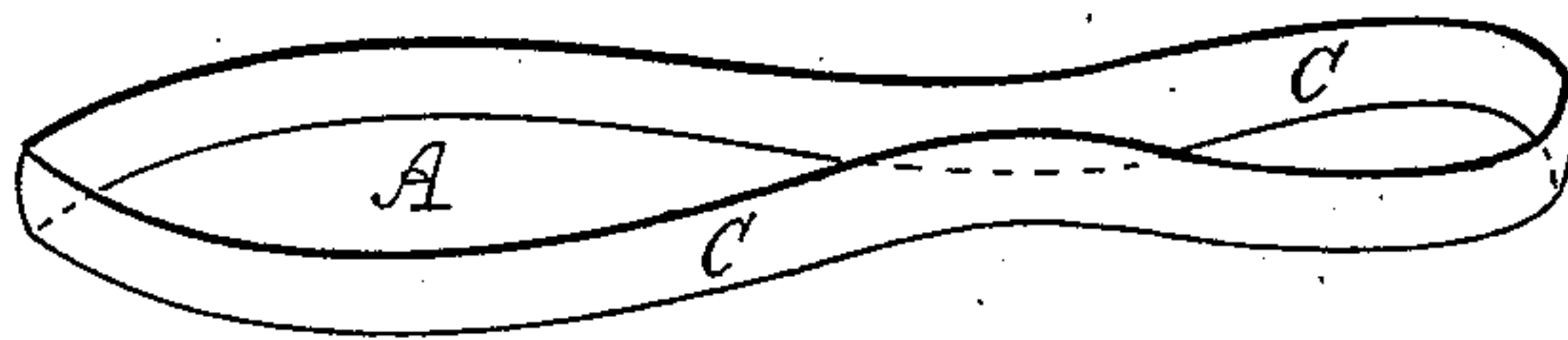
No. 250,909.

Patented Dec. 13, 1881.

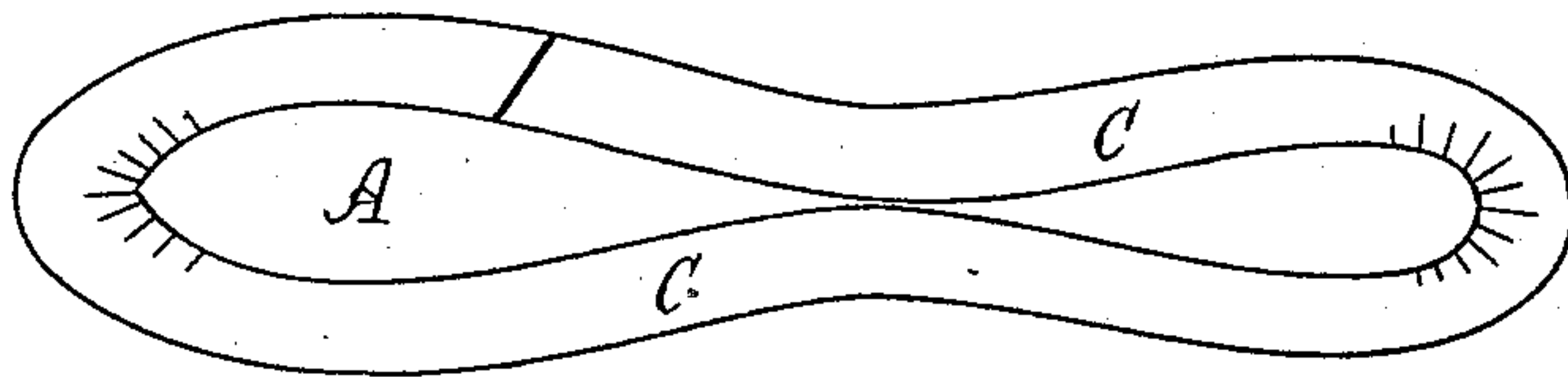
*Fig. 2.*



*Fig. 1.*



*Fig. 3.*



*Witnesses.*

*F. G. Simpson.*  
*H. C. Lodge.*

*Inventor.*

*Charles Grant, Jr.*  
*F. Curtis, Atty.*

# UNITED STATES PATENT OFFICE.

CHARLES GRANT, JR., OF BOSTON, MASSACHUSETTS.

## BOOT OR SHOE.

SPECIFICATION forming part of Letters Patent No. 250,909, dated December 13, 1881.

'Application filed October 15, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES GRANT, Jr., a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in the Manufacture of Boots and Shoes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The object of this invention is to combine the elasticity or flexibility of a turned boot or shoe with the solidity and durability of a boot or shoe containing a sole and insole nailed, sewed, or pegged through and through; and I carry out my object by dispensing with the insole now universally employed in all but turned work; and in lieu of such insole I employ a continuous strip or two strips of leather or other suitable material, which are placed within the shoe and occupy the position of the margin of an insole, this strip serving the purpose of an entire insole in securing the upper of the boot, and yet obviating the stiffness due to the combination of two entire soles.

The drawings accompanying this specification represent, in Figure 1, a diagram of the inside of the sole of a boot or shoe containing my invention, while Fig. 2 is a vertical section of the same, and Fig. 3 a view of a continuous strip as applied to a shoe.

In these drawings, A represents the outsole of a shoe, B the upper, and C C the strip or strips which constitute my invention.

In carrying out my invention I provide two strips of leather, C C, the outer edges of which conform to opposite sides of the boundary of the last, and these strips being of sufficient length to extend entirely about the margin of the last. In the manufacture of a boot or shoe with these strips I proceed in the same man-

ner as is now practiced. Suppose the class of boot to be made is that in which the outsole is screwed to the upper and insole. First, in lieu of the ordinary insole, I employ the two strips C C and lay them upon the last so that together they occupy the position of the margin of an insole. The leather of the upper is now stretched over these strips and secured in the usual manner, and the outsole then applied and secured as usual through the outsole A, upper B, and strips C C, thus completing the connection of these parts.

In the employment of two strips, C C, I prefer that they should overlap each other at the toe and heel and the instep, as shown in Fig. 1 of the drawings, this overlapping at the instep covering a considerable portion of the width of the last, in order to impart stiffness to the instep of the boot.

In Fig. 3 of the drawings I have shown a continuous strip, C, encircling the boundary of the last or the boot-sole A, and this strip may be cut to conform to the shape of the boot or shoe sole.

By the employment of one or more strips, as explained, as a substitute for the ordinary insole, I obtain all the advantages of the latter, so far as securing the upper is concerned, and I obtain a flexibility to the sole which an ordinary insole prevents. I also secure one point of economy, as the strips C C may be cut from scrap-leather.

I claim—

In boots or shoes, the strip or strips C, forming a marginal insole, in combination with the outsole and upper, the parts C being united by suitable fastenings, substantially as herein stated.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES GRANT, JR.

Witnesses:

H. E. LODGE,  
F. CURTIS.