

H. BURK.  
 Presser-Foot Attachment for Sewing-Machines.  
 No. 213,973.      Patented April 8, 1879.

FIG. 1.

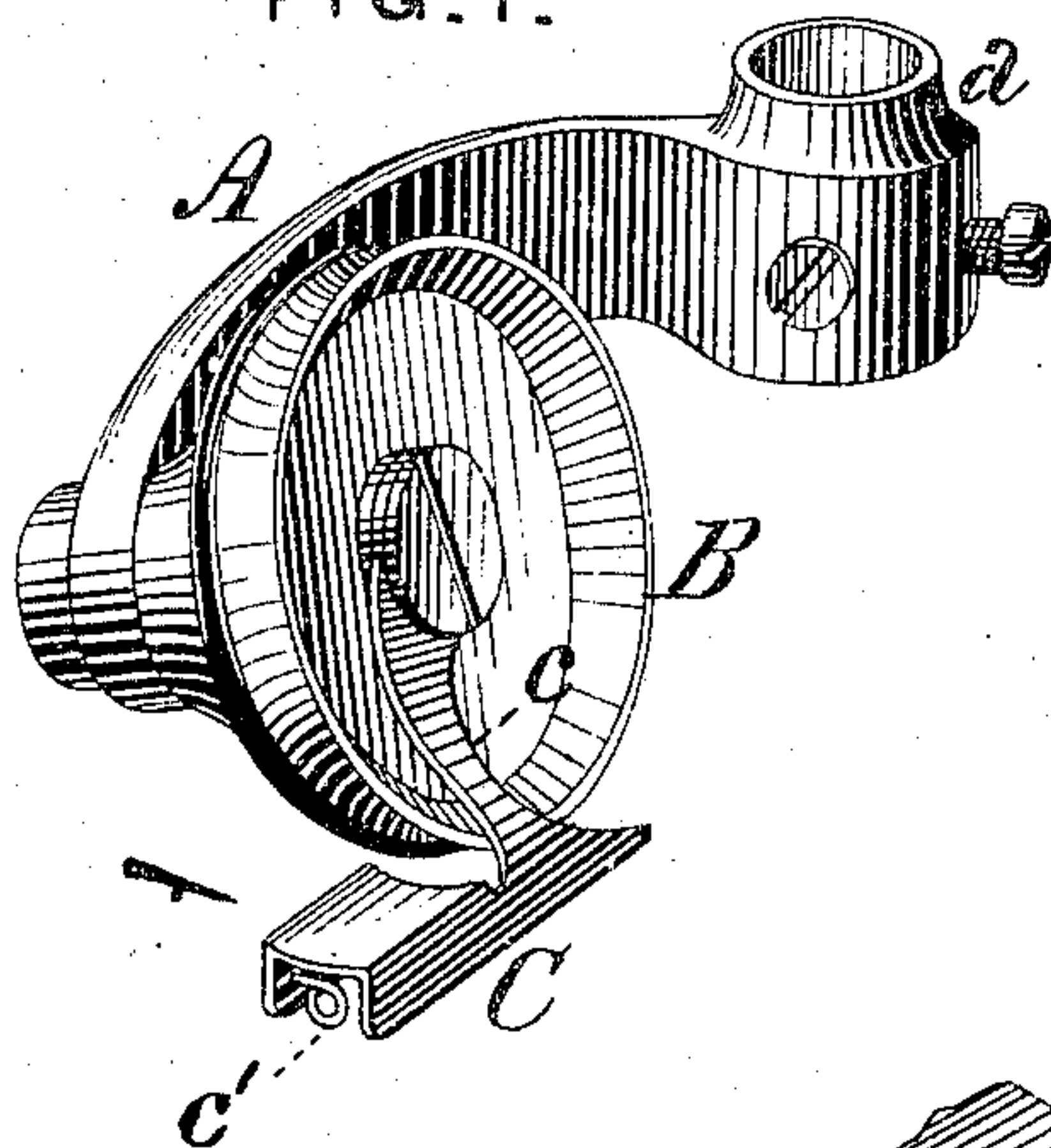


FIG. 4.

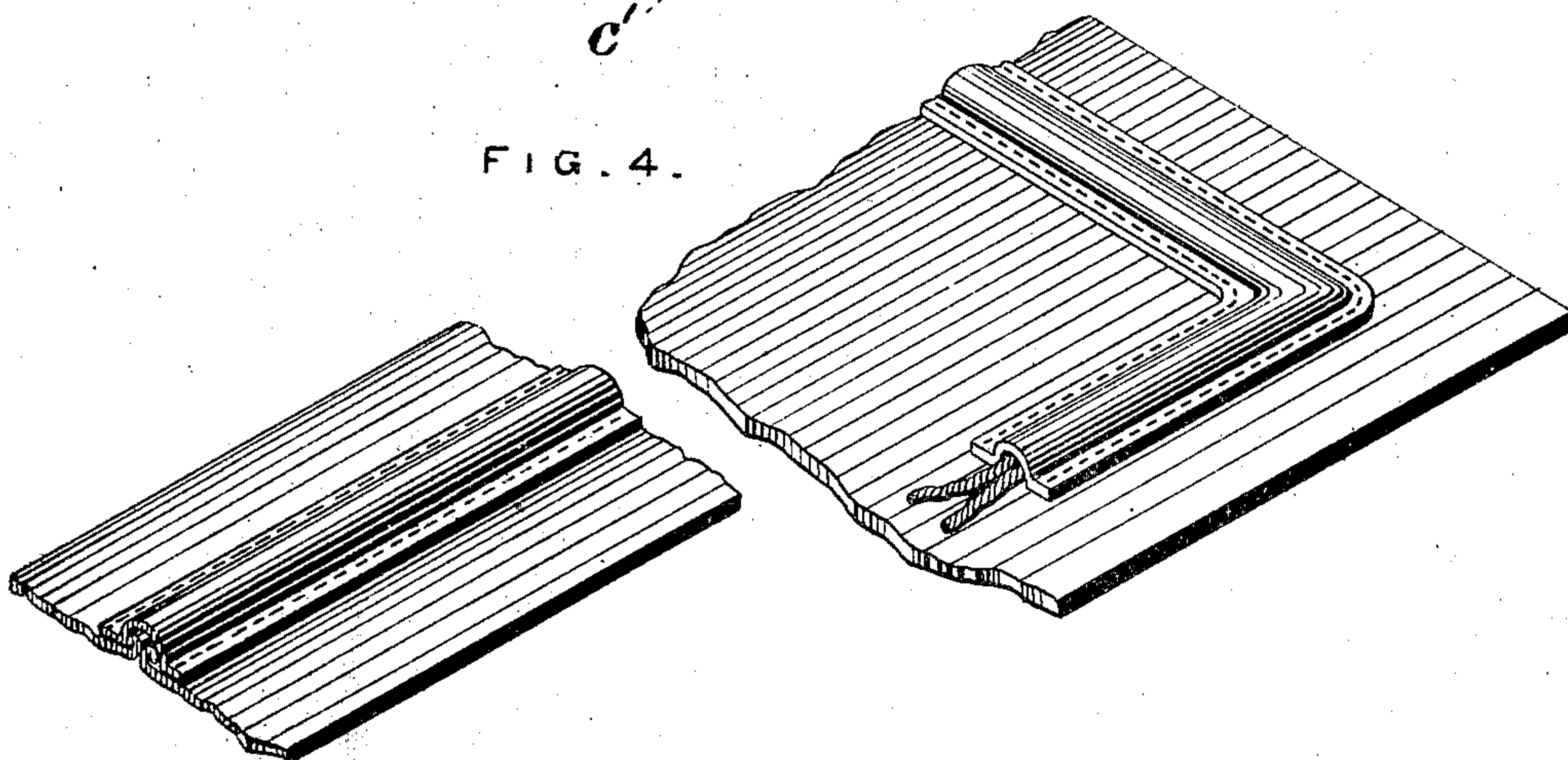


FIG. 2.

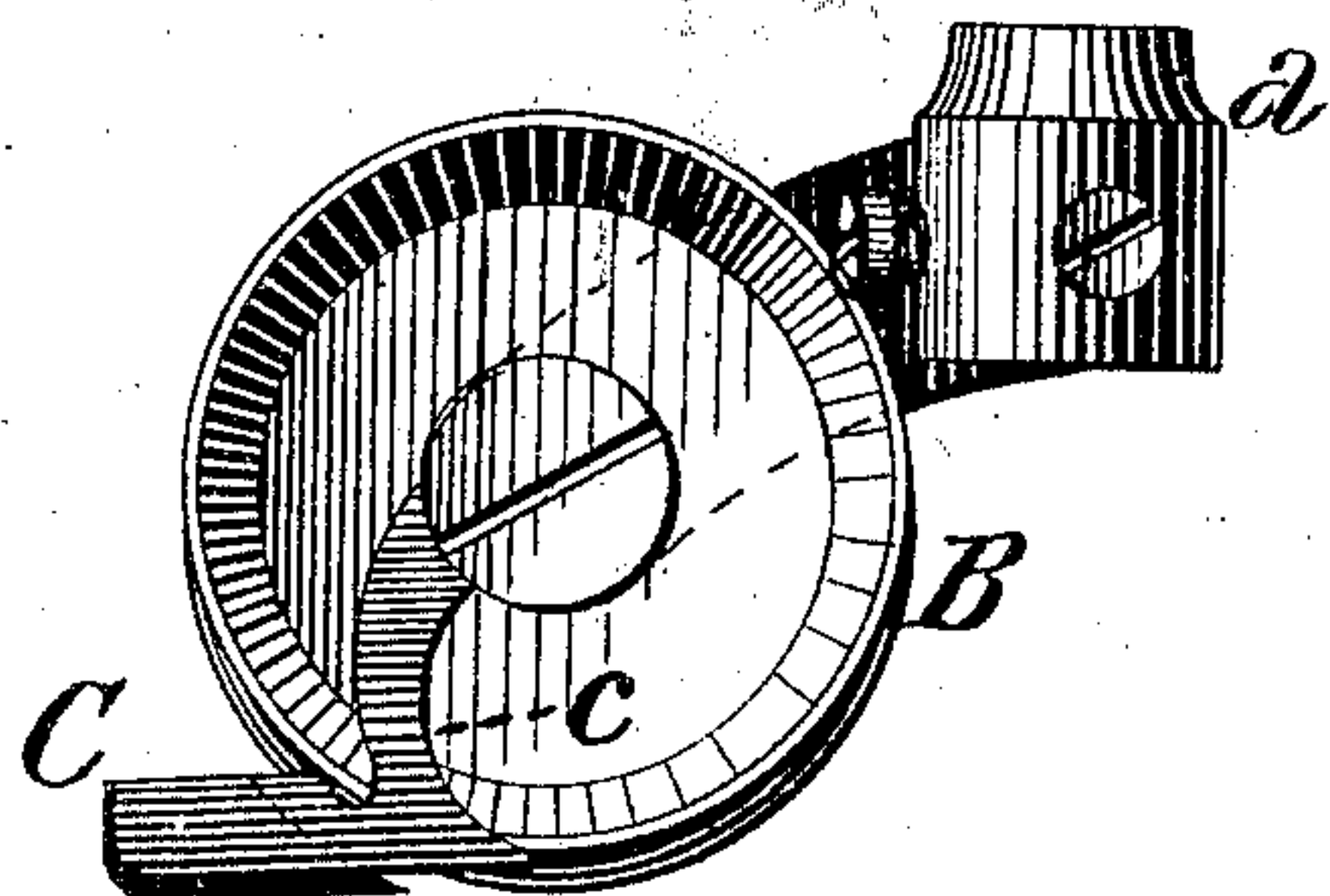
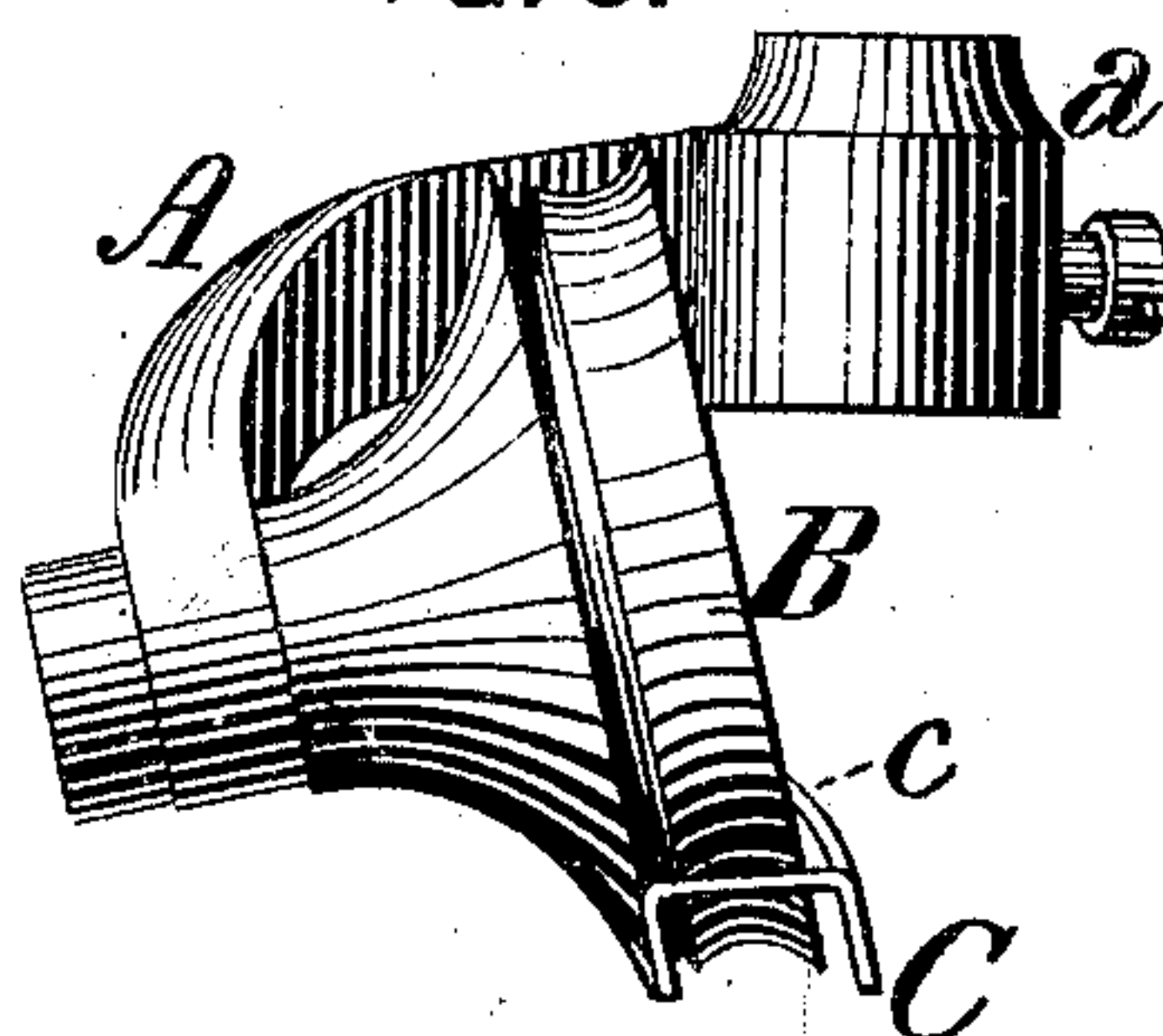


FIG. 3.



WITNESSES:

*Harry Atwill.*  
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INVENTOR

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# UNITED STATES PATENT OFFICE.

HENRY BURK, OF PHILADELPHIA, PENNSYLVANIA.

## IMPROVEMENT IN PRESSER-FOOT ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. 213,973, dated April 8, 1879; application filed July 12, 1878.

*To all whom it may concern:*

Be it known that I, HENRY BURK, of the city and county of Philadelphia, in the State of Pennsylvania, have invented certain new and useful Improvements in Presser-Foot Attachments for Sewing-Machines, of which the following is a specification:

The object of my invention is to provide improved means for facilitating the sewing of a stay or strip upon or over either a seam or plain surface on a shoe, article of harness, or other manufacture of leather or analogous material in which stays or strips are required.

To this end my improvements consist in the combination, in a presser-foot, of a grooved rotating presser-roller and a stationary stay-guide, as hereinafter more fully set forth.

In the accompanying drawings, Figure 1 is a view, in perspective, of my improved attachment; Figs. 2 and 3, side views, in elevation, of the same; and Fig. 4, a view in perspective, showing the character of the work on which the device is employed.

The arm A has at one end the ordinary socket *a*, for attachment to the presser-bar, and at the other a projecting stud or pin, upon which a presser-roller, B, is mounted so as to rotate freely. This presser-roller is substantially similar to those ordinarily employed in sewing leather, saving in the respect that its periphery is circumferentially grooved or recessed, as shown, so as to bear upon the work at its sides, instead of, as is usual, uniformly across its face, and thereby to correspondingly mold or form the strip or stay so that it shall be convex at its center and closely applied at its sides, where the stitching is located, to the material to which it is to be united, thus relieving the strip from friction upon the seam, as well as providing space for the

insertion of a cord beneath the strip, when desired.

A box or trough shaped stationary guide, C, open at bottom, is secured by means of an upwardly-projecting arm, *c*, formed upon it, to the projecting end of the stud on which the presser-roller B rotates, in line with, and as close as practicable to, said presser-roller, the function of the guide being to properly direct and present the strip or stay to the presser-roller and needle.

The strip may be led to the guide from a case or box in which it is coiled, or from any other suitable receptacle, which need not be here described, as it forms no part of my present invention.

The width of the guide, as well as that of the presser-roller, is, of course, made conformable to that of the strips operated upon.

A cord-guide, *c'*, consisting of an eye or loop of wire or sheet metal, may be secured upon the front end of the guide C, for the purpose of leading a cord beneath the strip or stay when the same is desired to be inserted.

I am aware that the use of a stay-guide, in connection with a presser-foot, is not new, and do not, therefore, broadly claim such device.

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

The combination, in a presser-foot, of a grooved presser-roller and a stationary stay-guide, the combination being and operating substantially as and for the purposes set forth.

HENRY BURK.

Witnesses:

J. SNOWDEN BELL,  
W. K. SHRYOCK.