

No. 756,875.

PATENTED APR. 12, 1904.

C. MICHAEL.  
STAIR CARPET ROD AND FASTENER.

APPLICATION FILED JULY 20, 1903.

NO MODEL.

Fig. 1.

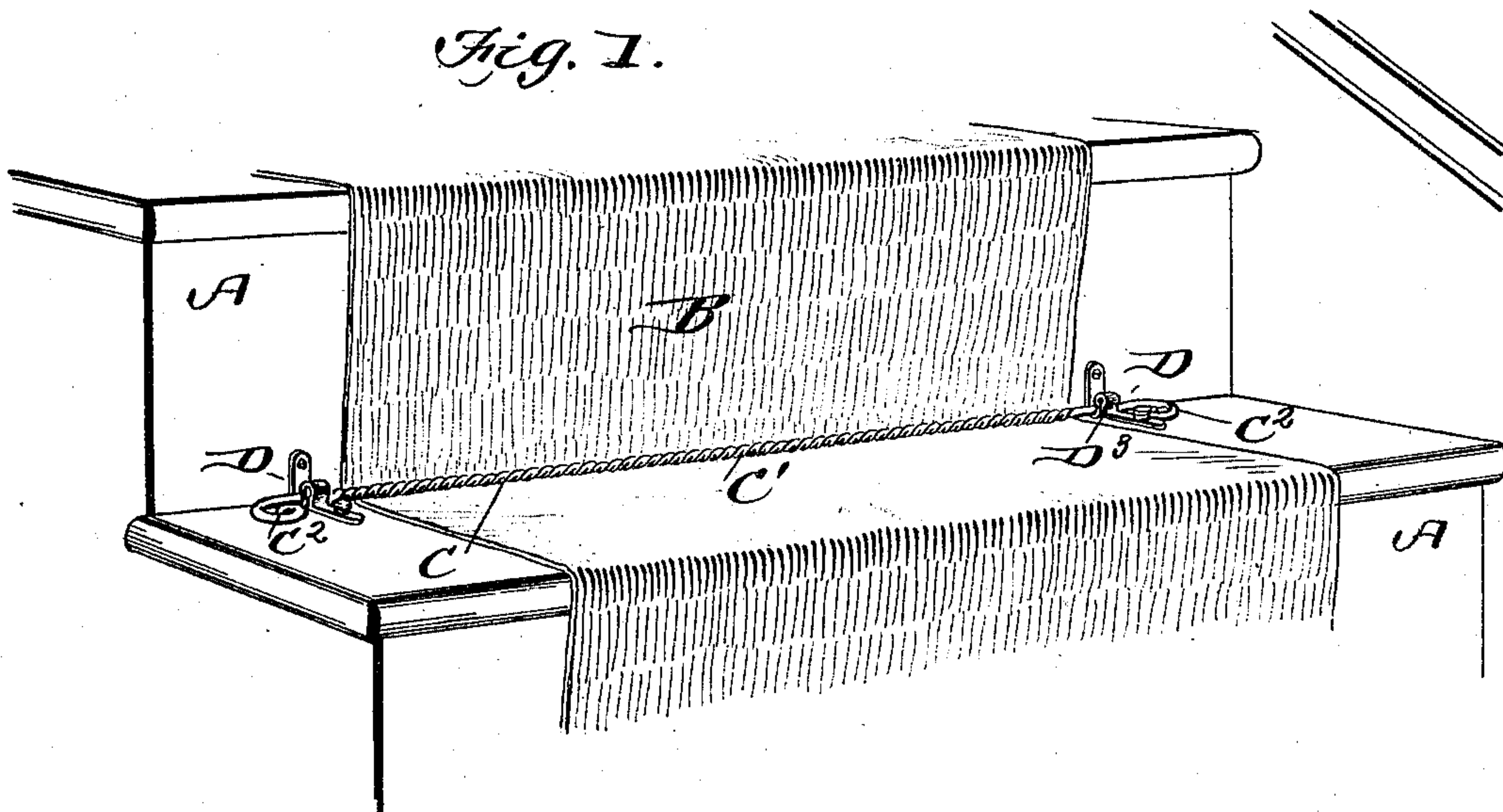


Fig. 2.

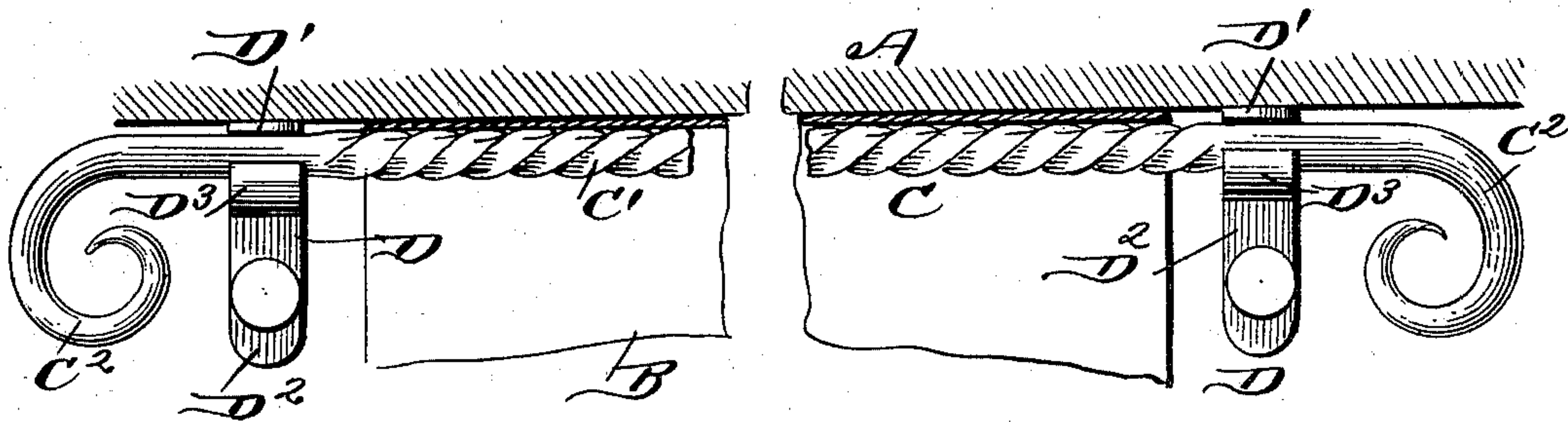


Fig. 3.

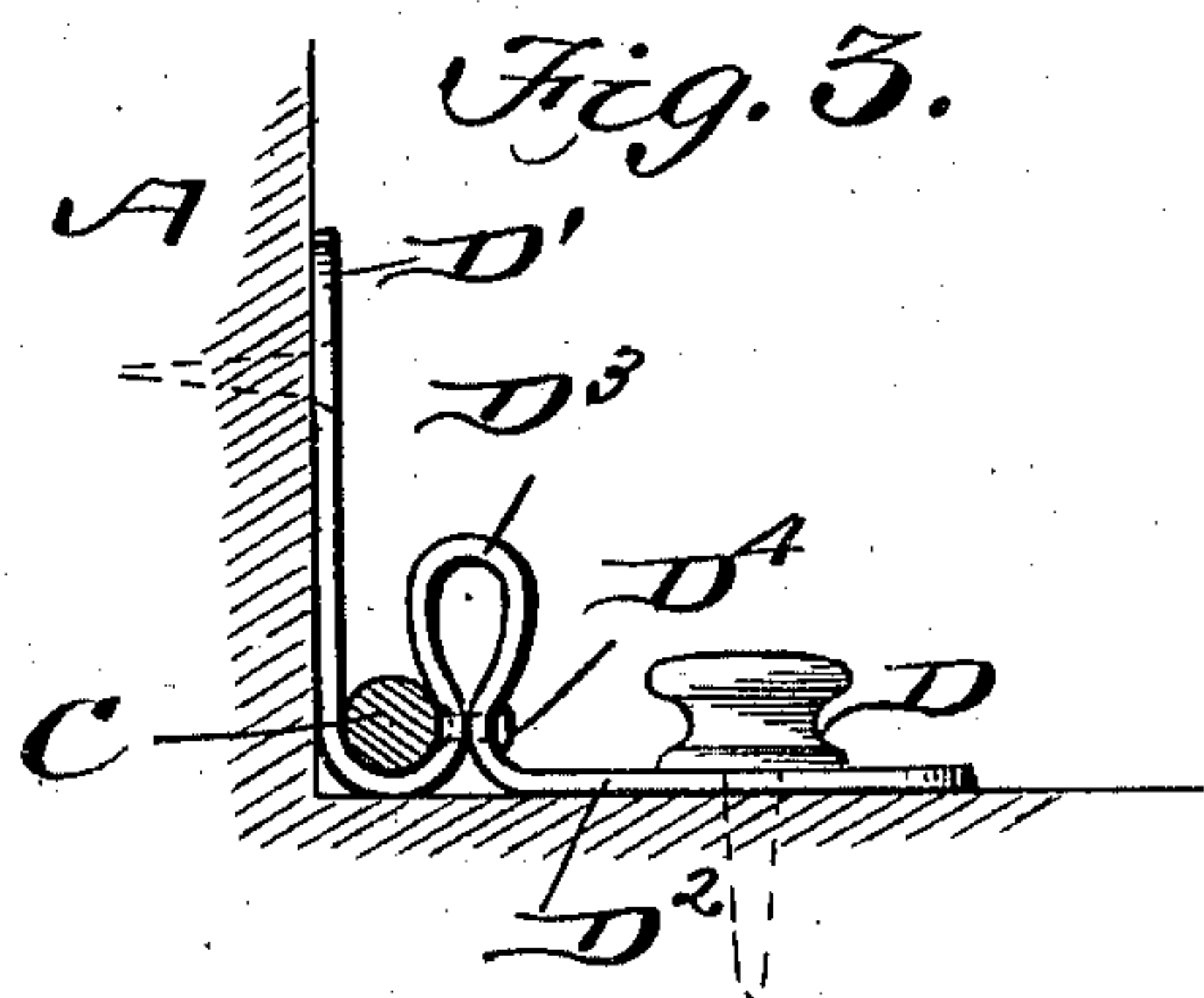
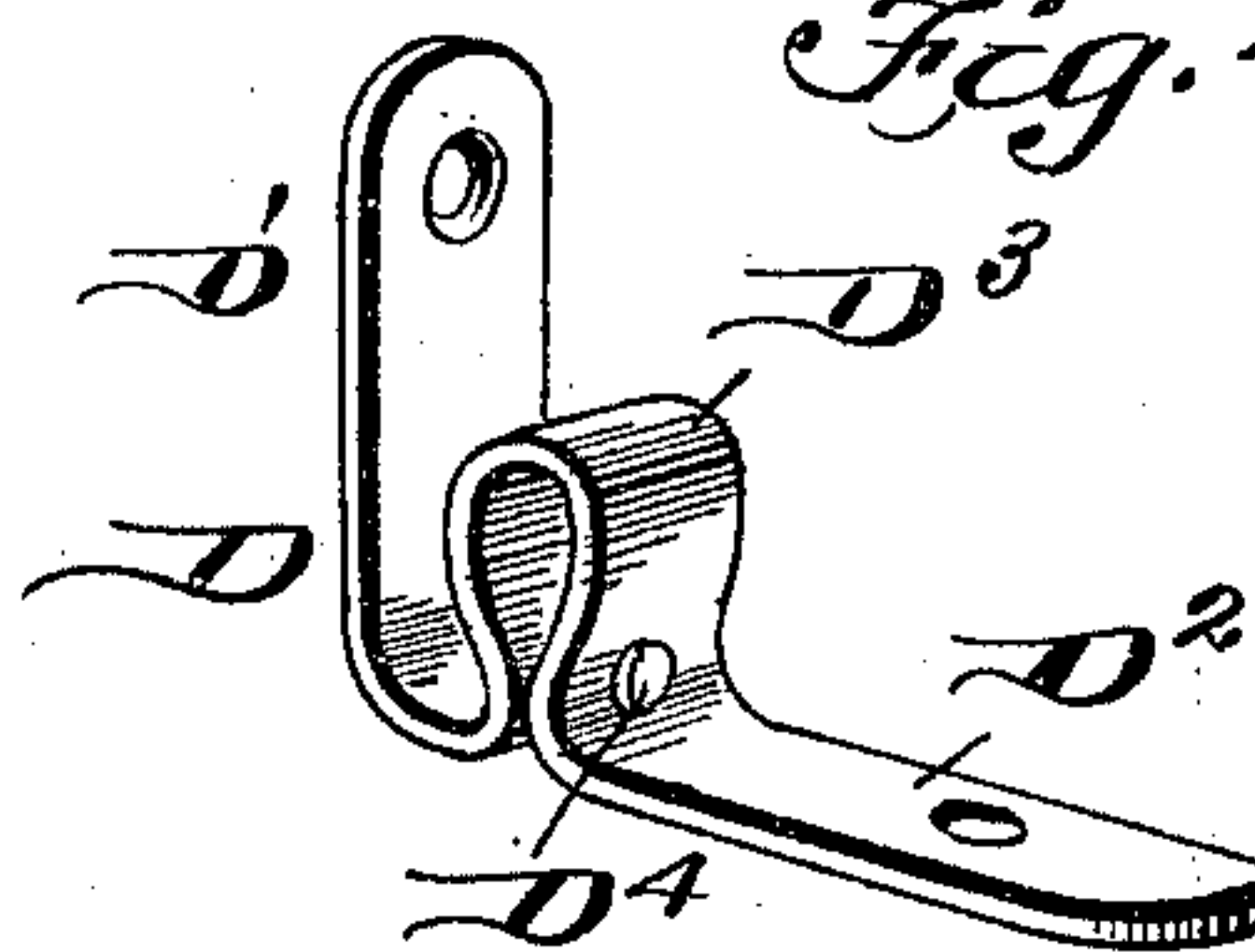


Fig. 4.



Inventor

C. Michael.

Witnesses

M. B. Blouet,  
C. A. Shaw

By

M. A. Brock  
Attorney



# UNITED STATES PATENT OFFICE.

CHRISTOPHER [MICHAEL, OF CALUMET, MICHIGAN, ASSIGNOR OF ONE-HALF TO WALTER WEBB, OF CALUMET, MICHIGAN.

## STAIR-CARPET ROD AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 756,875, dated April 12, 1904.

Application filed July 20, 1903. Serial No. 166,362. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTOPHER MICHAEL, a citizen of the United States, residing at Calumet, in the county of Houghton and State of Michigan, have invented a new and useful Stair-Carpet Rod and Fastener, of which the following is a specification.

This invention is an improved construction of stair-rod fastener, the object being to provide an exceedingly cheap and simple form of fastening device which can be permanently attached to the steps for the purpose of securely holding the stair-rod in place over the carpet; and another object of the invention is to so construct a stair-rod fastener that the rod can be quickly and easily disconnected when desired without interfering in the least with the rod-fastener.

Another object of the invention is to provide a stair-rod fastener formed of a single piece of metal and adapted to hold the rod by spring action.

With these objects in view my invention consists, essentially, in constructing a stair-rod fastener from a single strip of metal bent essentially in the form of a right angle, having an upwardly-extending loop formed integral with the horizontal member adjacent the vertex of the angle.

The invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter, and pointed out in the claims.

In the drawings forming part of this specification, Figure 1 is a perspective view showing the practical application of my invention. Fig. 2 is a top plan view of a stair-rod and fasteners for the same. Fig. 3 is an edge view of the fastener, stair-rod being shown in section; and Fig. 4 is a detail perspective view of the rod-fastener.

Referring to the drawings, A indicates the steps; B, the stair-carpet; C, the stair-rod, and D the fasteners for securing the stair-rod.

It will be understood that any suitable construction of stair-rod may be employed, but in the present instance I have shown the main portion thereof as twisted, as shown at C', the outer ends being smooth and turned or coiled

in ornamental fashion, as shown at C'. The rod-fastener is formed from a single strip of metal bent essentially in the form of a right angle, providing the vertical member D' and horizontal member D<sup>2</sup>, the vertical member being screwed to the riser of the step while the horizontal member is screwed to the tread. The horizontal member is formed with an upwardly-extending integral loop D<sup>3</sup> adjacent the vertex of the angle, said loop being broadest at its upper end, and the members of said loop are held together by means of a rivet D<sup>4</sup>, thereby giving the loop a certain amount of elasticity. The fasteners D are secured to the steps from opposite sides of the central space covered by the stair-carpet, and the stair-rod is held by these fasteners by forcing the end portions of the rods between the spring-loops and the vertical members of the fasteners. It is obvious that the spring action of the loop is sufficient to hold the rod in its proper position during all normal conditions; but it is also clear that whenever it is desired to move the rod it is only necessary to give the end a quick upward movement and it can be sprung away from the fastener.

It will thus be seen that I provide an exceedingly cheap and simple construction of stair-rod fastener formed of a single piece of metal, and by which the rod can be fastened and unfastened without disturbing the fastener. I have shown the screws which secure the horizontal member to the tread as provided with large ornamental heads; but it is obvious that this is not at all necessary and may be dispensed with, if desired. Furthermore, I have specified the horizontal member as being provided with a loop; but, if desired, the vertical member could be provided with a horizontally-projecting loop and the rod could be secured between said loop and the adjacent portion of the horizontal member.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A fastener of the kind described comprising a metal plate formed of one piece of metal bent at a right angle to form a vertical and a horizontal member, one of said members be-

ing bent outwardly upon itself to form a loop portion, said loop being arranged adjacent to vertex of the angle, and means for securing the plate in position.

- 5 2. A stair-rod fastener comprising a strip of metal bent in the form of a right angle providing a vertical and horizontal member, the horizontal member having an integral spring-

loop adjacent the vertex of the angle, the members of said loop being secured at their lower ends, substantially as described. 10

CHRISTOPHER MICHAEL

Witnesses:

JOHN J. ELLIS, Jr.,

JOHN WILLS.