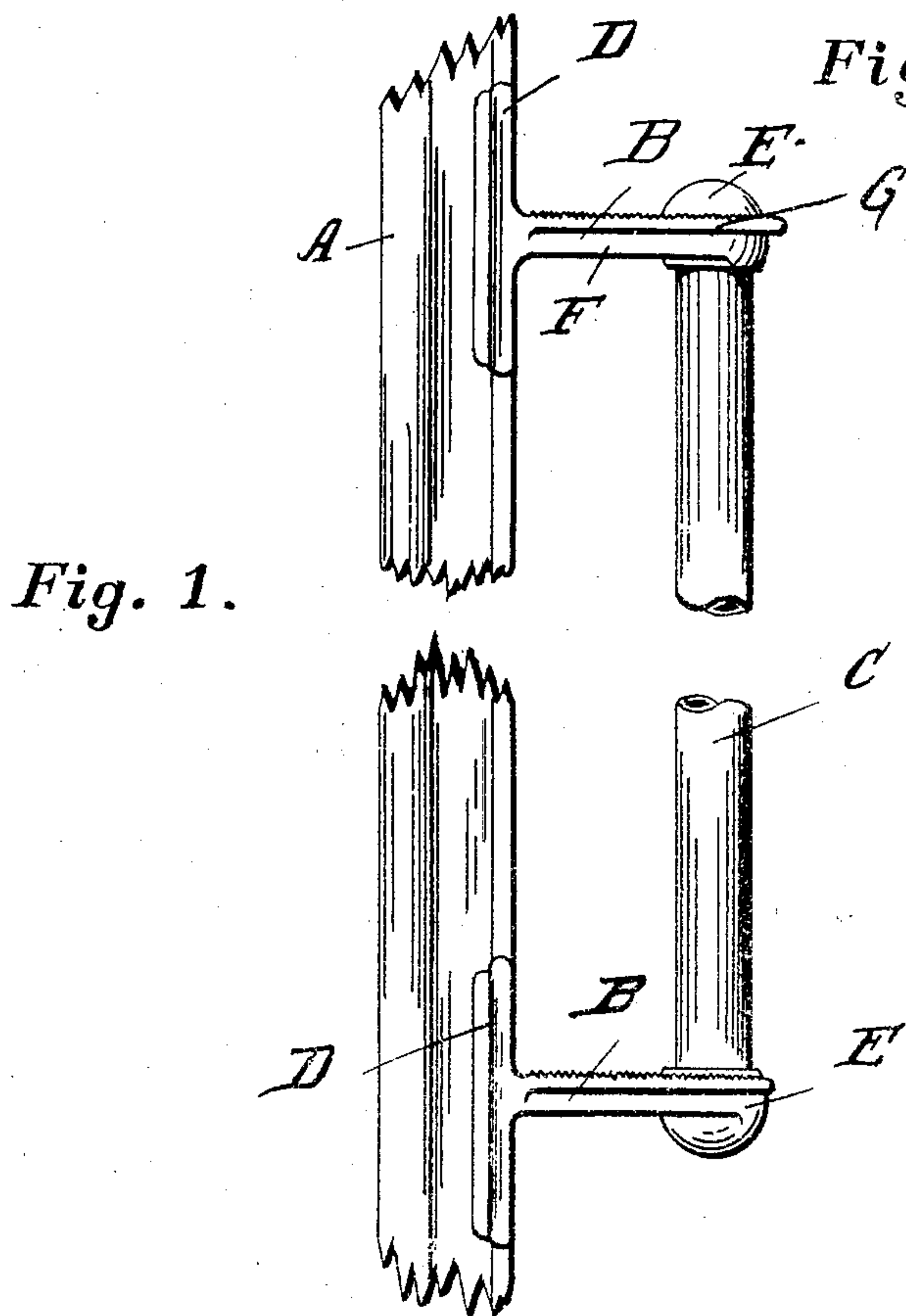
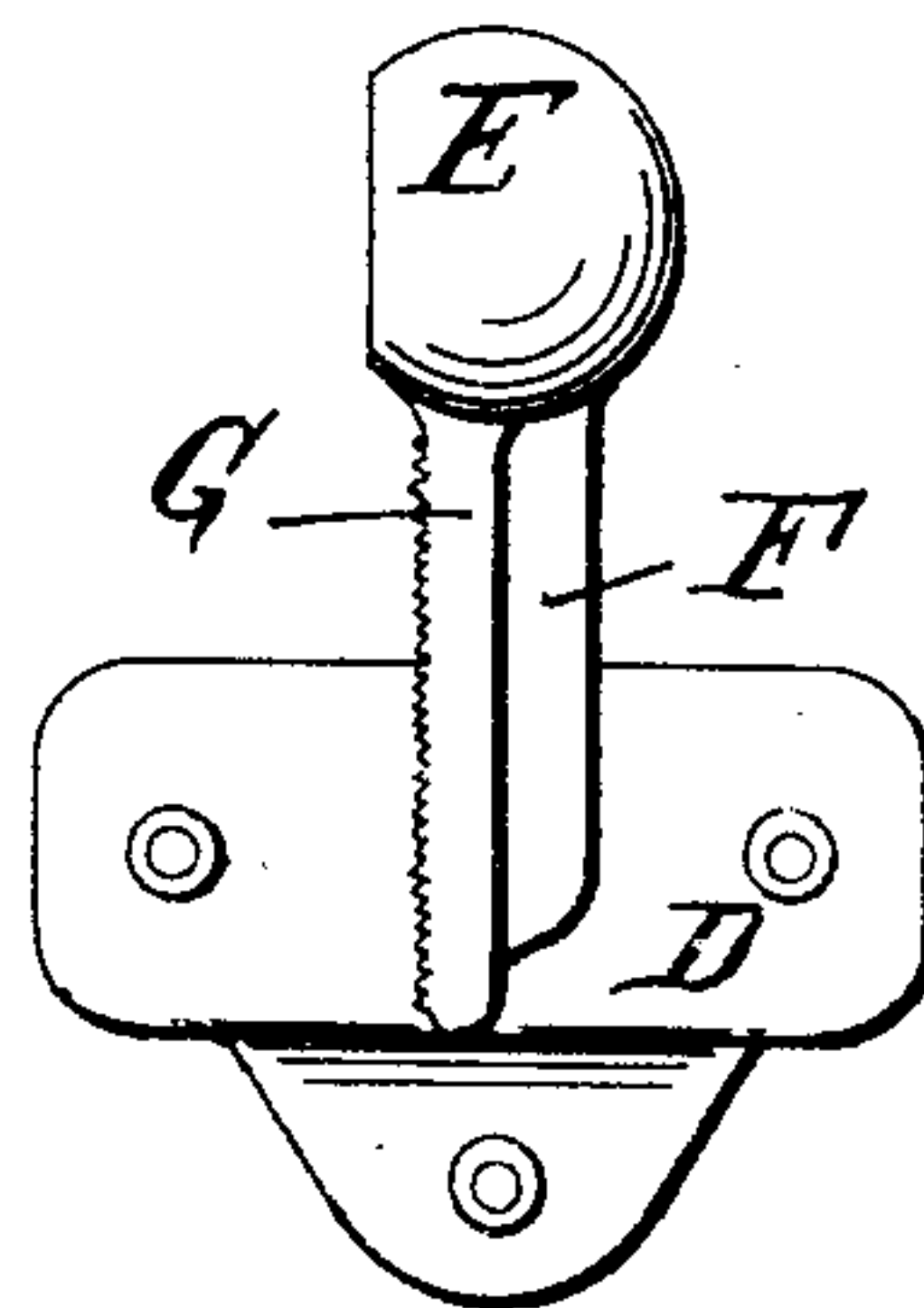
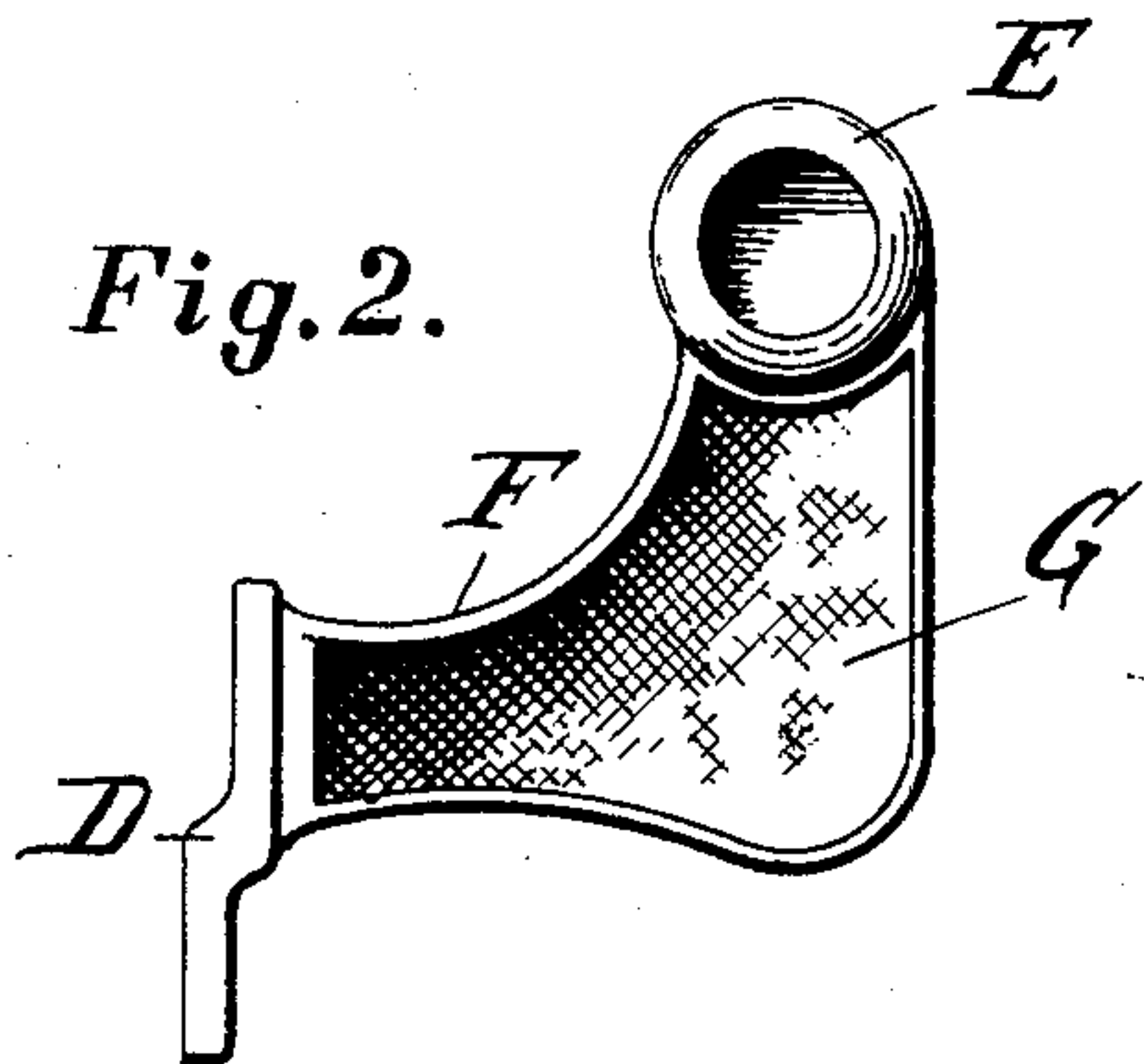


No. 779,774.

PATENTED JAN. 10, 1905.

R. DUNNING.
BRACKET STEP FOR STREET CARS, &c.
APPLICATION FILED NOV. 14, 1904.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT DUNNING, OF WINTON PLACE, OHIO, ASSIGNOR TO THE
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BRACKET-STEP FOR STREET-CARS, &c.

SPECIFICATION forming part of Letters Patent No. 779,774, dated January 10, 1905.

Application filed November 14, 1904. Serial No. 232,665.

To all whom it may concern:

Be it known that I, ROBERT DUNNING, a citizen of the United States, and a resident of Winton Place, in the county of Hamilton and State of Ohio, have invented certain new, useful, and Improved Bracket-Steps for Street-Cars and the Like, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of my specification.

My invention relates to a bracket-step usually attached to the corner of street-cars; and its object is to produce such a step which while serving the function of a step will at the same time furnish the means for the attachment of a handle to be used by passengers in getting on and off the car, and which, together with said handle, forms an excellent and safe means for mounting the roof of the car, while at the same time the parts are so arranged and disposed that they form an ornamental feature rather than an unattractive one, as at present.

Other advantages will be pointed out as I proceed with my specification.

In the drawings, Figure 1 is an elevation showing the bracket-step and handle attached to a portion of the car. Fig. 2 is a top plan view of the bracket-step, and Fig. 3 is an elevation of Fig. 2 looked at from the right-hand side.

A is the corner of the car, B the bracket-step, and C the rung or rod forming the handle to be used by passengers in getting on or off the platform.

The bracket comprises an attaching-plate D and a socketed member E, joined by a web F. A step G, properly milled, so as to prevent slipping, is made integral with the web F, its upper face being flush with the top of the web. This step G is of the shape shown in Fig. 2 and is of sufficient size to give support for the toe of a shoe. Two of these bracket-steps are preferably used, the one having its socketed member in reverse position to the other, so that the rung or handle C is properly supported at the top and bottom in the sockets. The web F is preferably curved, as indicated in Fig. 2, so as to bring the socketed member E to one side, and thus give more room for the step G.

It is apparent that by the arrangement described the foot of the person intended to mount the car is not only supported from below, but is also prevented from slipping from one side or the other, on the one side by the rung or handle and on the other by the body of the car, and my improved step in this respect possesses additional advantages over the steps now in use.

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

1. A bracket-step comprising an attaching-plate, a socketed member, a web connecting the two, and a step flush with the top of said web and extending between said attaching-plate and said socketed member, substantially as described.

2. A bracket-step comprising an attaching-plate, a socketed member, a strengthening-web connecting said socketed member and said attaching-plate, and a milled step with the larger part of its surface disposed to one side of the strengthening-web.

3. A bracket-step comprising an attaching-plate, a socketed member, a strengthening-web connecting said socketed member and said attaching-plate, and a milled step formed integral with, but on one side of said strengthening-web.

4. In combination, a bracket-step comprising an attaching-plate, a socketed member, and a step-plate connecting said socketed member and said attaching-plate, together with a rung or handle supported in said socketed member, substantially as described.

5. In combination, a bracket-step comprising an attaching-plate, a socketed member, a strengthening-web connecting the two, a milled step integral with said strengthening-rib with its surface disposed to one side of the same, and a rung or handle resting in and supported by said socketed member, substantially as described.

ROBERT DUNNING.

Witnesses:

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GEORGE HEIDMAN.