

R. S. MERRILL.

Lamp Bracket.

No. 107,279.

Patented Sept. 13. 1870.

Fig. 1

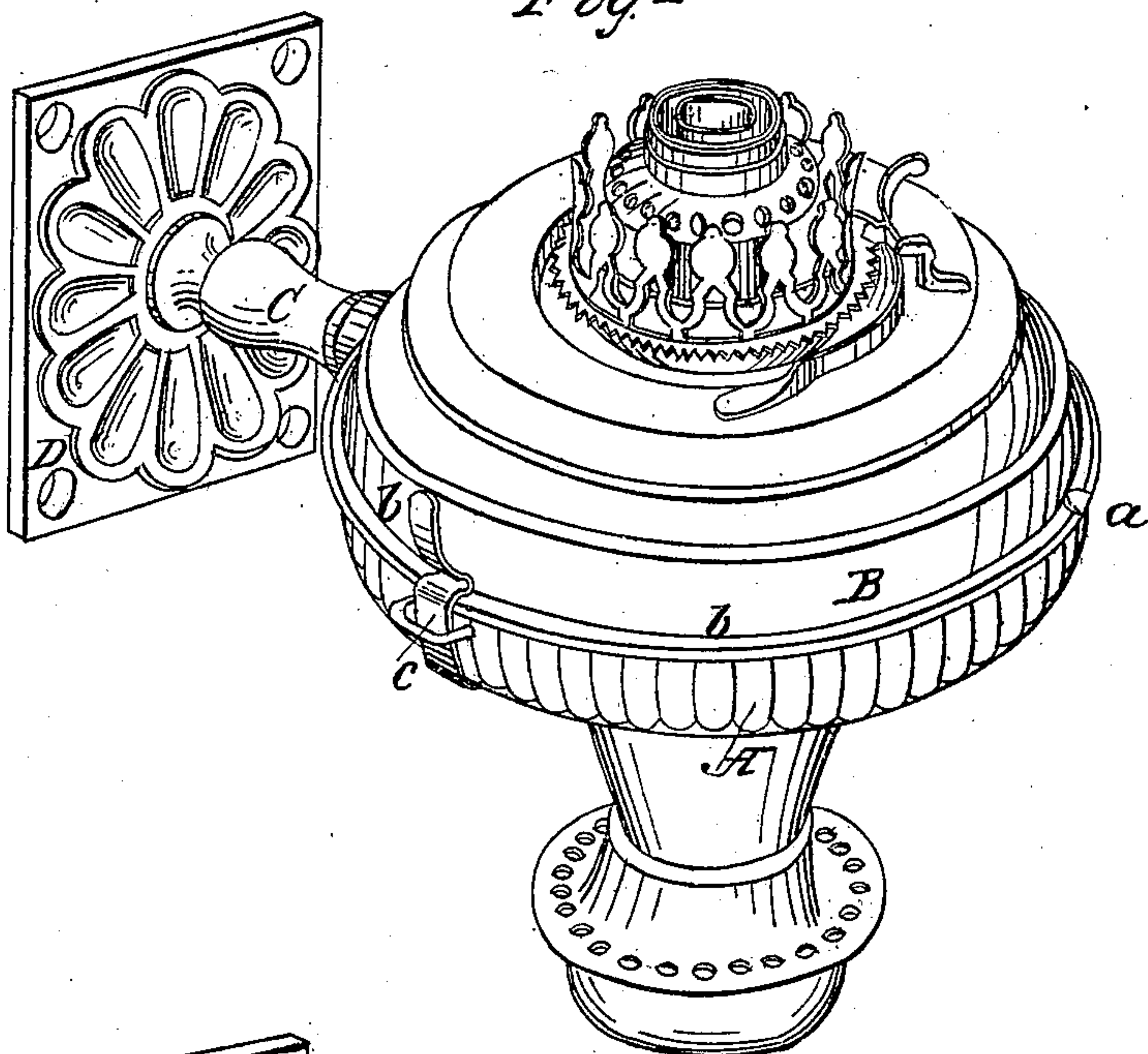
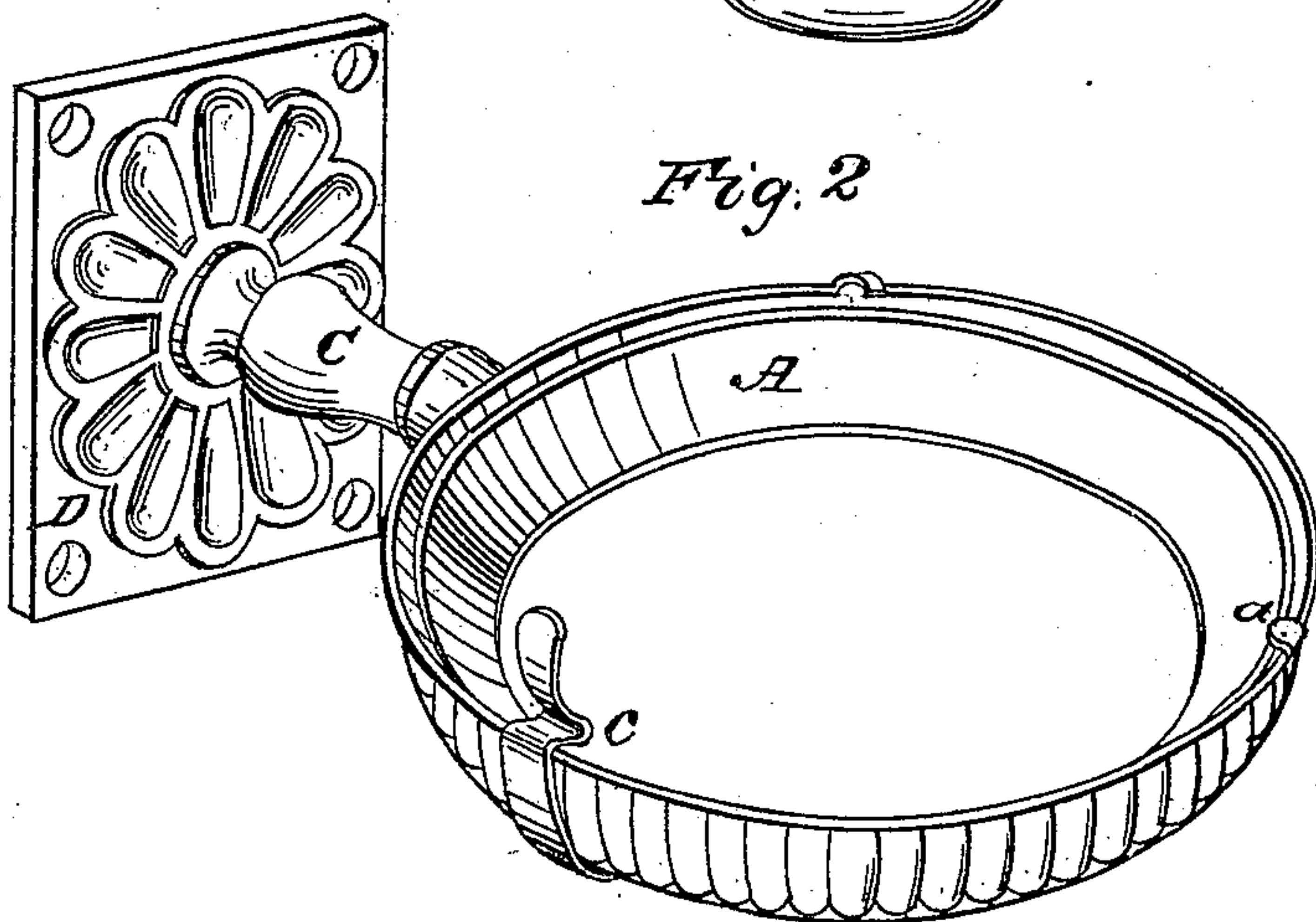


Fig. 2



Witnesses

Wm. Bailey

John W. Bailey

Inventor

Rufus S. Merrill

by his attorney

A. Hollo

United States Patent Office.

RUFUS S. MERRILL, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO HIMSELF,
JOSHUA MERRILL, AND WILLIAM B. MERRILL, OF SAME PLACE.

Letters Patent No. 107,279, dated September 13, 1870.

IMPROVEMENT IN LAMP-BRACKETS.

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

To whom it may concern :

Be it known that I, RUFUS S. MERRILL, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Lamp-Brackets, of which the following is a specification.

My invention relates to brackets for receiving and holding lamps, and is designed specially for use in railway cars and other places where the lamp is liable to be constantly shaken and jarred.

My object is to produce a bracket in which the lamp may be securely and firmly held, and from which it may also be removed at any time with facility.

To this end I combine with the bracket-ring in which the lamp rests one or more unyielding projections, under which the projecting flange on the lamp passes when the lamp is placed in the bracket, and a spring catch, which, when the lamp is in place, snaps over the flange, and holds the lamp-body firmly and securely in place.

The spring can be drawn back at any time to release the lamp, which can then be taken out of the bracket.

The manner in which my invention is or may be carried into effect is represented in the accompanying drawing, in which—

Figure 1 is a perspective view of the bracket and lamp placed therein.

Figure 2 is a like view of the bracket without the lamp.

The bracket-ring A is of dish-form, so that the lamp-body B will fit in and be supported by it.

In order to hold the lamp in its place I provide, on the upper edge of the ring, inwardly-projecting lugs or fingers *a*, under which the flange *b* of the lamp passes; and, in order to secure the lamp firmly in

place, I affix to the ring, on the side opposite to the lugs, a snap-spring, *c*, made substantially as shown in the drawing, so that it will, when the lamp is put into the bracket, snap over the flange *b*, and thus hold the lamp-body firmly and tightly in place.

Owing to the continuous jarring and shaking to which the lamp and bracket are subjected when the car is in motion, the spring is the only device which will retain the lamp in its proper position.

A set-screw will soon work loose, as, by the constant jar, its tendency is to unscrew, so that the lamp will be free to shake about in the bracket, causing the light to flicker, the oil to spill, and rendering the position of the chimney insecure. The spring, on the contrary, at all times exerts a pressure upon the lamp which is unaffected by the motion of the car, and can never be removed unless the spring be forcibly pressed back by the hand, so that the lamp is absolutely assured in its position, is never loose in the bracket, and all jar and rattle is prevented.

The bracket-ring A is attached by a stem, O, to a plate, D, which is to be screwed to the side of the car in the usual manner.

Having now described my invention,

What I claim, and desire to secure by Letters Patent, is—

A lamp-bracket, provided with lugs and a spring, for holding securely the lamp in its place, substantially as shown and described.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

RUFUS S. MERRILL.

Witnesses:

EDM. F. BROWN,
M. BAILEY.