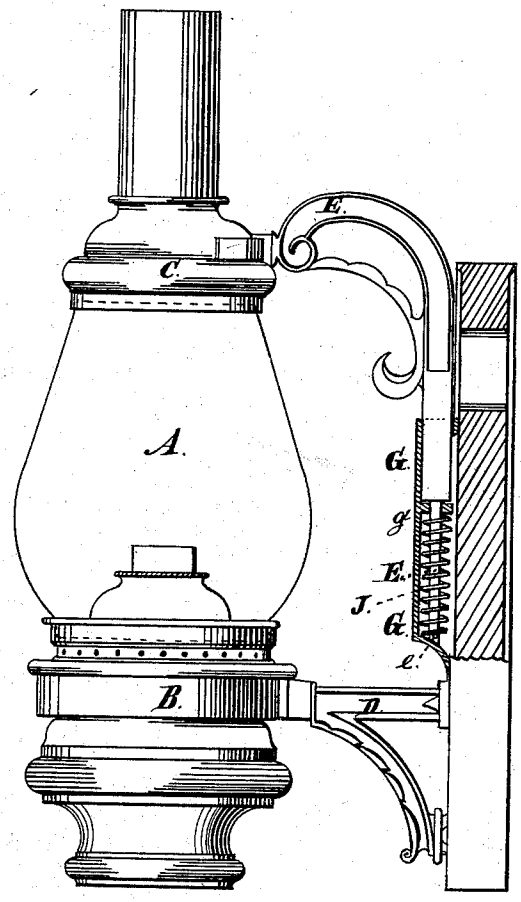
J. M. A. DEW.

Car-Lamps.

No. 157,500. Patented Dec. 8, 1874.



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UNITED STATES PATENT OFFICE.

JAMES M. A. DEW, OF CHICAGO, ILLINOIS, ASSIGNOR TO J. McGREGOR ADAMS, OF SAME PLACE.

IMPROVEMENT IN CAR-LAMPS.

Specification forming part of Letters Patent No. **157,500**, dated December 8, 1874; application filed February 2, 1874.

To all whom it may concern:

Be it known that I, JAMES M. A. DEW, of Chicago, in the county of Cook and State of Illinois, have invented certain Improvements in Bracket-Lamps for Railway-Cars, of which the following is a specification:

The invention consists in the means employed to make the globe removable, as follows: A bracket secured to the side of the car has an arm extending from below to the ring which supports the lower part of the globe, and another arm extending from above to the cap or dome, connected with the ventilating-tube, which cap sits down over the top of the globe, holding it in place. This upper arm, after reaching the wall or side of the car, projects downward vertically and enters a socket, within which it is free to slide, being held against rising by a spring. To remove the globe the cap is raised against the resistance of the spring, which otherwise holds it down and keeps the globe in place by a downward pressure.

In the drawing which accompanies and forms a part of this specification is shown a side view of my invention, the socket being shown in section.

In said drawing, A represents the removable globe. B is the base or ring which supports the lamp-pot, or candle, if one is used. C is the cap or dome, connecting with the usual ventilating-tube. D is the lower arm of the bracket, connected to the wall and to the supporting-ring B. E is the upper arm of the bracket, attached to the cap C, and extending to the wall and vertically downward, entering the socket G, which constitutes part of the bracket. The vertical portion of the arm E, within the socket, is surrounded by a coiled spring, J, sitting against the bearing-plate *g*, and against the pin *e* through the lower end of said arm E. This spring exerts its force to hold the arm down, and consequently the cap down upon the globe, but will permit said cap and arm to be raised to remove the globe by an application of sufficient force to overcome the spring.

The arm E, where it enters the socket, may be made square, as shown in the drawing, and the aperture to receive it of a like shape, whereby the parts will always adjust themselves rightly, the cap descending always accurately upon the top of the globe.

This mechanism for making the globe removable, it will be seen, is very simple and substantial, and is therefore likely to endure successfully the rough usage to which such lamps are subject.

Having thus described my invention, I claim—

The combination of the globe A, ring B, cap C, arm D, arm E, socket G, and spring J, substantially as specified.

J. M. A. DEW.

Witnesses:

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