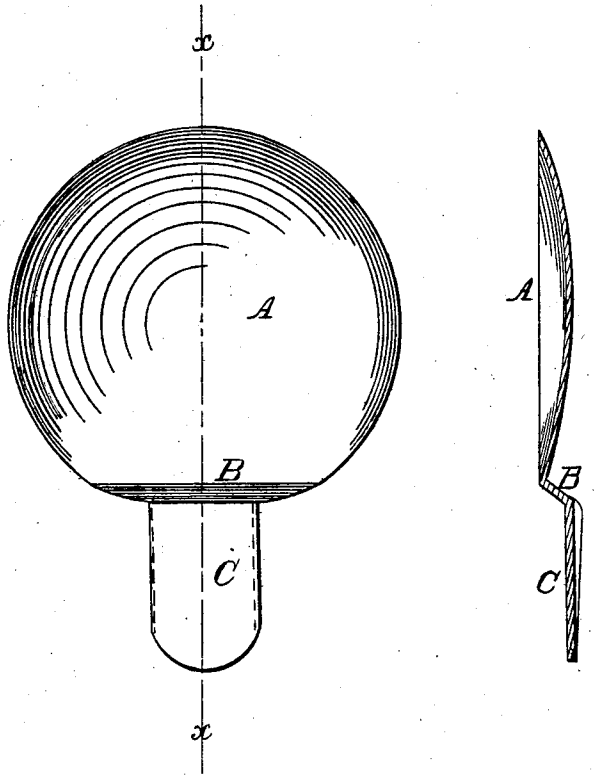
J. A. J. LOGAN.

Reflector.

No. 75,033. Patented March 3, 1868.



Witnesses:
W. C. Aslikette
Theo Troche

Inventor:
J. A. J. Logan
per Munn & Co
Attorneys

United States Patent Office.

J. A. J. LOGAN, OF MOLINE, ILLINOIS.

Letters Patent No. 75,033, *dated March* 3, 1868.

IMPROVEMENT IN REFLECTORS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. A. J. LOGAN, of Moline, in the county of Rock Island, and State of Illinois, have invented a new and improved Reflector; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an improvement in hand-lanterns, railroad lights and lamps, and for all other purposes to which it may be advantageously applied; and it consists in forming a concave metallic or glass plate or dish, with a shoulder and shank attached thereto, whereby it is adapted to the purposes named, and made removable at pleasure, as will be hereinafter described.

Figure 1 is a front or side view of the reflector, showing the shoulder and shank.

Figure 2 is a cross or vertical section of the reflector, giving an edge view of the same.

Similar letters of reference indicate corresponding parts.

A is the concave reflector, which is made of polished metal or of suitably prepared glass. B is the shoulder, and C is the shank.

In applying the reflector to a hand-lantern, the use for which I more particularly design it, the shank is inserted into a socket or into an annular recess or groove surrounding the socket of the lamp in such a manner that the reflector shall be opposite the flame, and throw the rays of light forward or in one direction, so as to light the path forward and shade the bearer, and also so that it shall be removable at pleasure. The reflector may be arranged so as to be adjustable, and so as to throw the rays of a moving or stationary light in any desired direction.

I do not confine myself to any particular method for attaching or adjusting the reflector to a lantern or other light; only the shank C is to be used for that purpose under all circumstances.

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

As an improved article of manufacture, the concave metallic reflector A, made in one piece, with its shank C, when said shank is formed with a shoulder, B, arranged as described.

J. A. J. LOGAN.

Witnesses:

JOHN H. LEAR,

BENTON DAVIS.