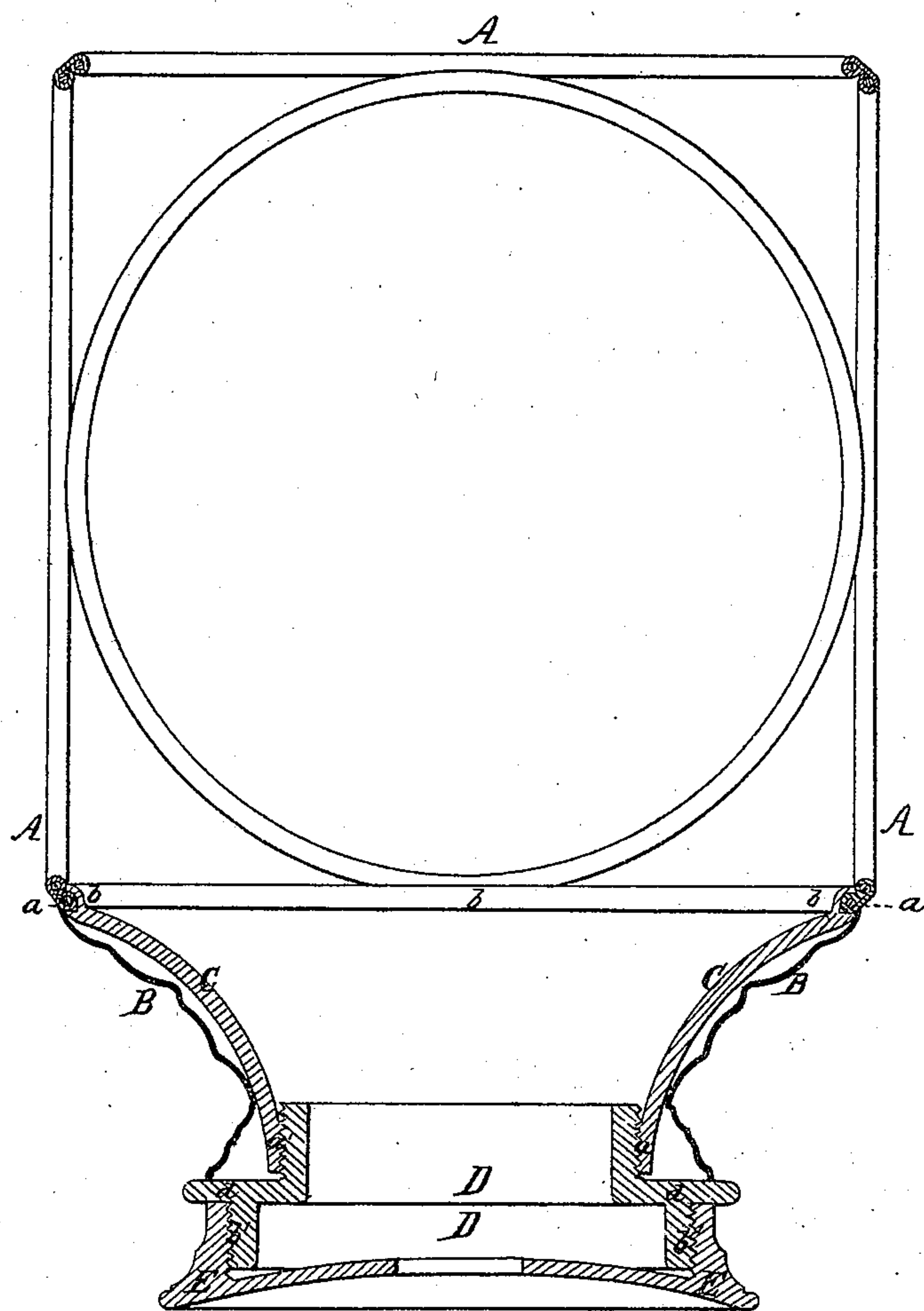


C. F. WALDRON.
LAMP FOR VEHICLES.

No. 76,852.

Patented Apr. 14, 1868.



Witnesses.

J. McComby.
at. Clerc.

Inventor.

C. F. Waldron.

United States Patent Office.

CHARLES F. WALDRON, OF NEW YORK, N. Y.

Letters Patent No. 76,852, dated April 14, 1868.

IMPROVEMENT IN LAMPS FOR VEHICLES.

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, CHARLES F. WALDRON, of the city, county, and State of New York, have invented certain new and useful Improvements in Lamps for Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, making a portion of this specification, which is a central vertical section of a lamp or signal, constructed according to my invention.

This invention is more particularly designed for use as a fire-engine signal, but may also be employed as a carriage-lamp; and its object is to enable the body of the lamp to be attached to the supporting portions of the same with greater facility, and also with greater security than by the method ordinarily employed.

The invention consists in an annular plate, furnished at its upper edge with a suitable flanch, and so combined with the inwardly-turned lower edge of the lamp-body, that the said body will be rigidly attached to the aforesaid plate, and be thus firmly held in place. The invention further consists in the combination of an annular nut with the aforesaid internal plate, and a suitable external base-shell, whereby such plate and shell are securely fastened together, as required in the attachment of the body to the said parts, as just mentioned.

To enable others to understand the nature and construction of my invention, I will proceed to describe it, with reference to the drawings.

The body of the lamp, shown at A, may be of any suitable form and construction, but open at the bottom, and with its lower edge turned inwards over an annular wire, as shown at *a*. A base-shell, also of any desired or appropriate form, is represented at B, and may be of sheet metal. Placed within this shell B is an annular plate or piece, C, which may be made of brass, and the bottom of which need not extend quite as low as that of the shell B. Extending upward from the upper edge of this internal plate, at a little distance from the outer periphery thereof, is a thin flanch, *b*. The lower edge of the body A is placed upon the upper edge of the internal plate C, between the flanch, *b*, thereof, and the surrounding upper edge or rim, *c*, of the shell B, the flanch *b* being then turned outward, so as to lap over the inwardly-turned lower edge of the body A, as represented in the drawing, and thus serving to securely attach the body of the lamp to the aforesaid annular plate A. As a modification of this means of securing the body to the annular plate, the flanch may have substituted for it ears or lugs, placed at suitable distances apart, and turned over the lower portions of the body in such manner as to clamp the same in place.

A screw is provided in the lower part of the internal plate C, as shown at *a'*, and into this is screwed an annular nut, D, which is furnished with a flat circumferential flange, *d*, which bears against the bottom of the shell C in such a way that by tightening the nut D, the upper edge or rim of the shell will be pressed snugly against the outer side of the lower edge of the body A, the said shell being by these means held snugly in its place. Instead of being screwed into the plate D, as just set forth, the upper part thereof may be fitted into the plate *c*, and confined thereto by a transverse pin, set-screw, or other suitable means.

By the means herein set forth, the body is firmly and securely attached to the base or supporting portions of the lamp, without the use of solder or bracing-ribs, as required in the ordinary method of fastening. Furthermore, by this method of securing the body to the supporting parts of the lamp, such body may be readily detached when desired.

The annular nut D is made preferably with a screw, *b'*, upon its lower portion, upon which a bottom-plate, E, is screwed, which in its turn is attached to that portion of the engine or vehicle to which it is desired to attach the lamp or signal.

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

1. The annular internal plate C, formed with the flanch *b*, in combination with the lower portion or edge of the body A, substantially as and for the purpose herein set forth.
2. The annular nut D, in combination with the base-shell B and internal plate C, substantially as and for the purpose specified.

C. F. WALDRON.

Witnesses:

A. LE CLERC,

J. W. COOMBS.