

F. Le R. SENOUR.

Reflectors.

No. 139,923.

Patented June 17, 1873.

Fig. 1.

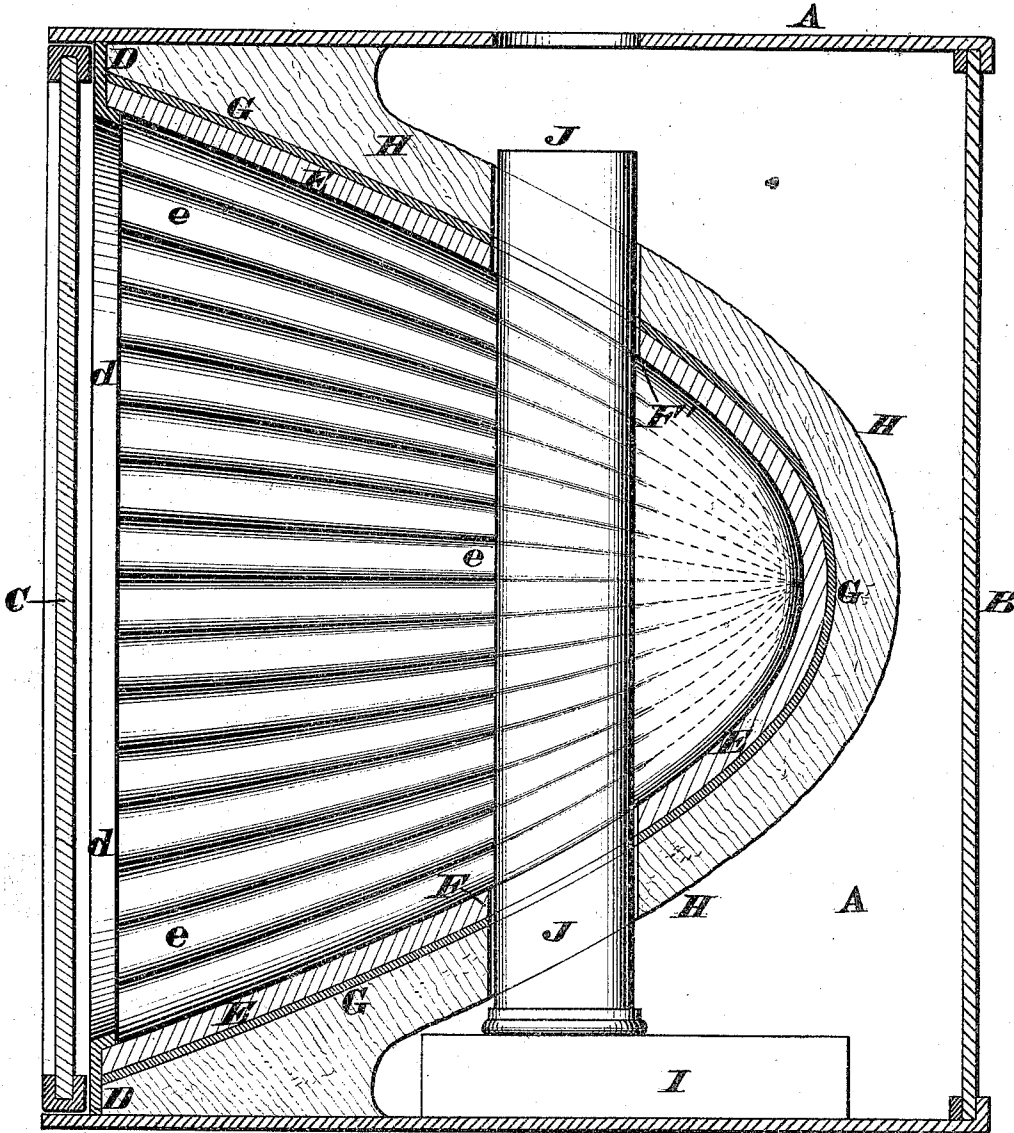
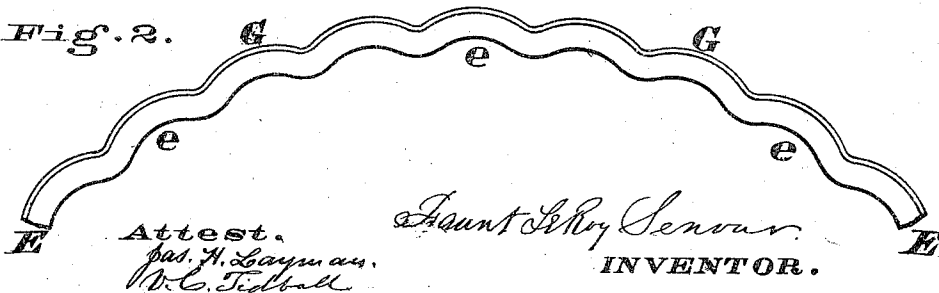


Fig. 2.



UNITED STATES PATENT OFFICE.

FAUNT LE ROY SENOUR, OF NEWPORT, ASSIGNOR OF ONE-HALF HIS RIGHT
TO JOHN A. SIMPSON, OF COVINGTON, KENTUCKY.

IMPROVEMENT IN REFLECTORS.

Specification forming part of Letters Patent No. **139,923**, dated June 17, 1873; application filed
December 17, 1872.

To all whom it may concern:

Be it known that I, FAUNT LE ROY SENOUR, of Newport, Campbell county, Kentucky, have invented certain new and useful Improvements in Reflectors, of which the following is a specification:

The nature of my invention relates to an improvement in locomotive head-lights; and it consists in the arrangement and combination of parts, which will be more fully described hereafter.

Figure 1 is a vertical section, showing my improved reflector as applied to a locomotive head-light; and Fig. 2 is an enlarged diagram, showing more clearly the shape of the corrugations, the casing or envelope being omitted.

A represents a box or frame such as is generally employed for a locomotive head-light, and the rear side of said frame is provided with a door, B, which, when opened, affords access to the rear of the reflector. The front of this box is furnished with the customary glass door or window C. Secured within this box is a plate, D, having an inwardly-projecting annular flange, *d*, which flange serves to support the outer or flaring end of the glass reflector E. This glass reflector has two apertures, F F', drilled or ground through it, which apertures are for the reception of the lamp-chimney. The external surface of the glass is silvered, as shown at G, for the purpose of increasing its reflecting properties. After the open end of the reflector has been fitted around the annular flange *d*, I then surround said re-

flector with a jacket, casing, or envelope, H, which is composed of any suitable cement or plastic material. This envelope becomes so hard when dried as to anchor the reflector securely within the frame or box, and at the same time it preserves the silvered surface G. The jacket also prevents fracture of the reflector.

I represents the lamp, and J the chimney of the same, both of which may be of any approved construction.

As previously stated, the reflector may be either blown or pressed, and, if produced by the latter operation, the holes F F' may be made without either drilling or grinding.

I have described my reflector more especially as adapted for head-lights; but it is evident that it may be used for street-lamps and many other purposes.

The silver on the back of the glass may be omitted and the proper reflecting properties obtained by means of a polished metallic hood that could be arranged around said glass.

I claim as my invention—

The reflector of a locomotive head-light anchored within the case A by the cement backing H and flanged plate D, or its equivalent device, substantially as shown and described.

In testimony of which invention I hereunto set my hand.

FAUNT LE ROY SENOUR.

Attest:

GEO. H. KNIGHT,
JAMES H. LAYMAN.