

(No Model.)

W. G. MARSTON.
LIGHT REFLECTOR.

No. 494,339.

Patented Mar. 28, 1893.

Fig. 1.

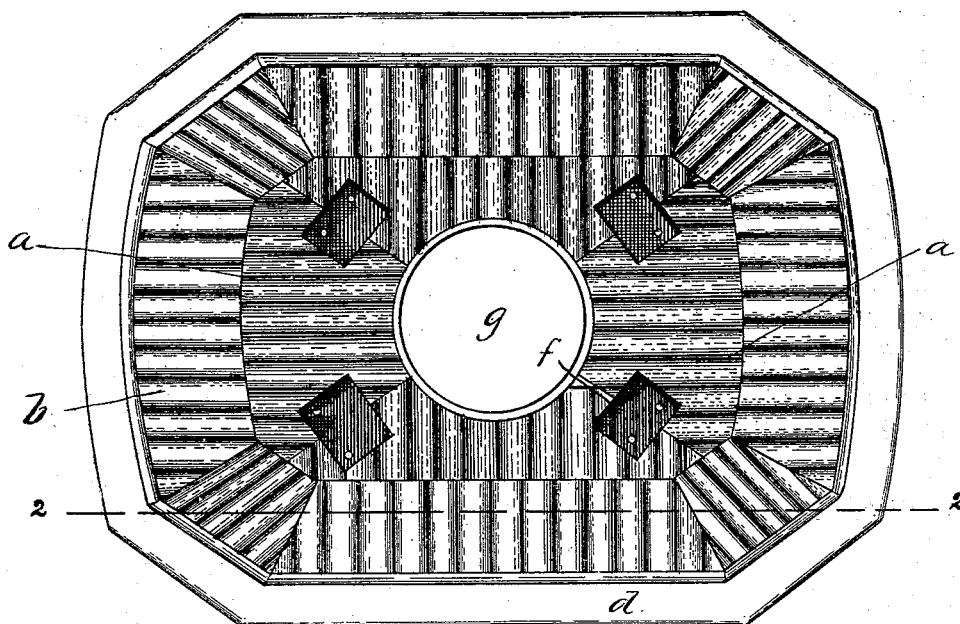
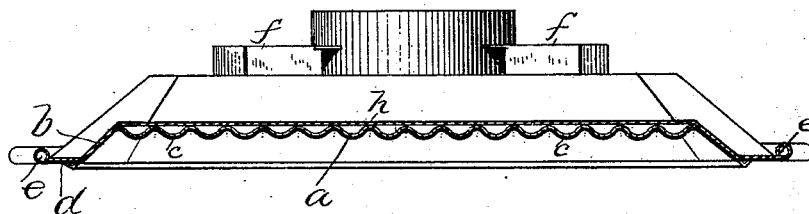


Fig. 2.



WITNESSES:
A. D. Harrison.
Swing W. Hamlen.

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UNITED STATES PATENT OFFICE.

WILLIAM GEORGE MARSTON, OF BOSTON, MASSACHUSETTS.

LIGHT-REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 494,339, dated March 28, 1893.

Application filed August 6, 1890. Serial No. 361,183. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM GEORGE MARSTON, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Light-Reflectors, of which the following is a specification.

My invention has special reference to lamp reflectors employed in street and railway cars, though it may be used wherever it is desirable to reflect a light.

It is the object of my improvement to provide a reflector which will be at once efficient for the purpose for which it is designed, cheap of construction, durable and of light weight.

Of the drawings hereto annexed and forming a part of this specification, Figure 1 is a bottom plan view of my improved reflector. Fig. 2 is a longitudinal sectional view of the same, taken on the line 2, 2 of Fig. 1.

The same letters designate the same parts or features, as the case may be, wherever they occur.

Referring to the drawings—*a* designates the central face of the reflector, having a rim *b* here shown as of hexagon form, the said rim extending downwardly or outwardly from the face *a* at an angle thereto.

The parts mentioned are composed of corrugated zinc, or other suitable metal or material, having a coating *c* of white enamel baked thereon by means of steam heat.

The inclined rim *b* may be provided with a plain or other suitably formed outer rim *d*, terminating in a bead *e* which may contain a wire to enhance the stiffness and durability of the device.

My improved reflector is here shown as composed of a plurality of parts of sheet metal soldered or otherwise connected together, though it may be constructed of a single piece or sheet struck or stamped up to suit-

able form, which form may be similar to that here shown, or round, oblong, rectangular, or of other polygonal shape.

I prefer to provide the reflector with stirrups *f* or other suitable devices, as a means of attaching the invention to a hanger or other support; and where the reflector is used with oil or gas lamps I provide it at a central point with a hole or opening *g* for the passage therethrough of the lamp chimney.

I prefer in most cases to back the corrugated metal comprising the reflector proper with a plain sheet *h* of sheet metal suitably connected with the corrugated part.

A reflector constructed as described will withstand all changes as to temperature and other conditions of the atmosphere be unaffected by the heat from the lamp, possess high reflecting properties, and be free from liability to breakage or damage of any kind in the course of ordinary use.

Having thus explained the nature of my invention and described a way of constructing and using the same, I declare that what I claim is—

As a new article of manufacture, the reflector herein described having a central corrugated face of sheet metal, a continuous corrugated rim extending outward therefrom and having an outer flat portion bent at an angle thereto provided with a wired strengthening edge and a coat or covering of white enamel, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 29th day of July, A. D. 1890.

WILLIAM GEORGE MARSTON.

Witnesses:

ARTHUR W. CROSSLEY,
A. D. HARRISON.