

J. STRATTON.

Reflector for Gas Lights, Lamps, &c.

No. 41,547.

Patented Feb. 9, 1864.

Fig. 1.

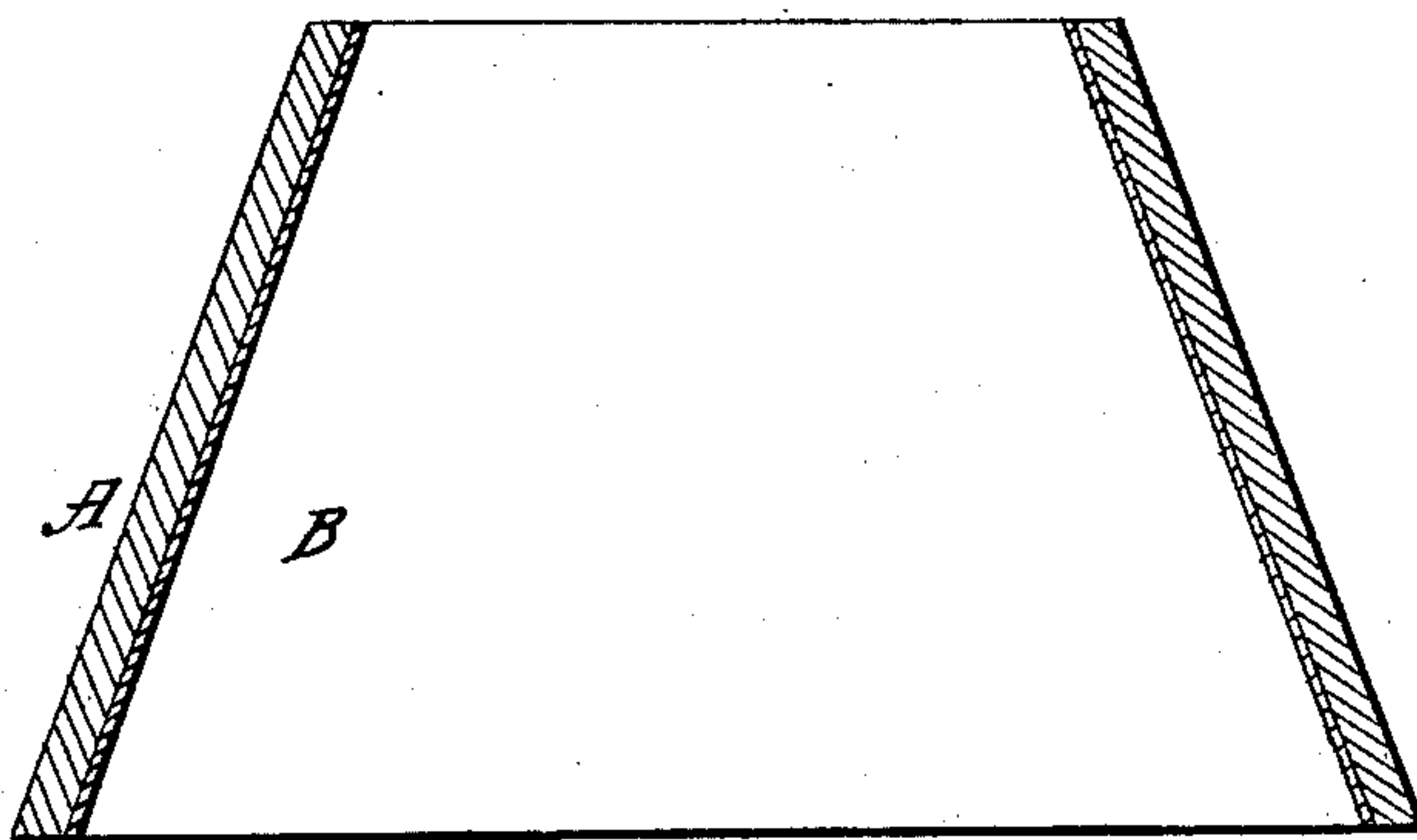
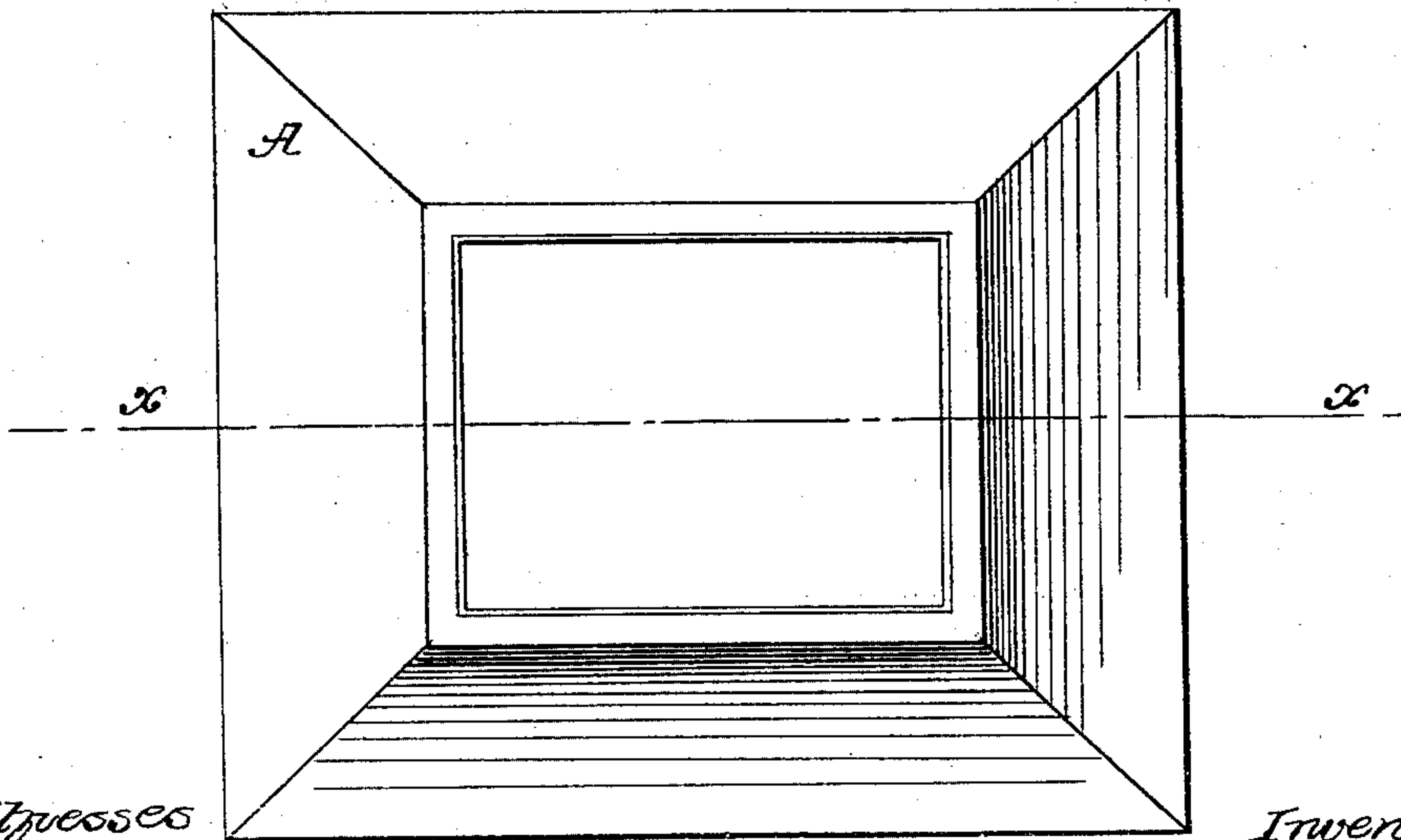


Fig. 2.



Witnesses

Wm. H. Dyer

Inventor

James Stratton

UNITED STATES PATENT OFFICE.

JAMES STRATTON, OF BROOKLYN, NEW YORK.

IMPROVED REFLECTOR FOR GAS-LIGHTS, LAMPS, &c.

Specification forming part of Letters Patent No. 41,547, dated February 9, 1864.

To all whom it may concern:

Be it known that I, JAMES STRATTON, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Reflector for Gas-Lights, Lamps, &c.; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a vertical central section of my invention, taken in the line *x x*, Fig. 2; Fig. 2, a plan or top view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain a reflector for gas-lights, lamps, &c., which will have a durable reflecting-surface, are not capable of becoming tarnished, and which may be kept in a clean state without any difficulty whatever. Reflectors hitherto constructed are not at all durable. They have a bright reflecting-surface when new, but soon become dull and tarnished. The metallic surfaces which are mostly employed for reflectors soon become scratched by rubbing in order to make them clean and bright, and by being thus roughened lose their reflecting power. Tin-foil covered with glass has also been used. The glass protects the foil, preventing it from being scratched, but moisture soon insinuates itself between the glass and foil and tarnishes the latter. This is especially the case if the reflector be used near the ocean, a result due to the salt atmosphere.

My invention consists in constructing the reflector of cast or wrought metal, and having the surface covered with a white or light enamel.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the body of the reflector, which may be of cast or wrought metal. Any suitable metal may be employed. Iron will probably be used, but, whether cast or wrought, it should be of such a thickness that it will not fuse in the application of the enamel to it.

The reflector may be of any desired shape, according to the particular use designed for it. The window-reflectors should be of oblong pyramidal form, similar to that shown in the drawings; and its inner surface is covered with a white or light enamel, B, firmly secured to it by fusion, or in the same way that the enamel of cooking-vessels is applied, the enamel B being of the ordinary glass kind.

The exterior of the reflector may be covered with any suitable paint to prevent oxidation.

The reflector thus constructed will be extremely durable. The enamel does not allow dust to readily adhere to it, and it may be cleaned at any time by simply rubbing it over with a dry or slightly-moistened cloth. I thus obtain a durable and economical reflector, one that will last indefinitely without danger of breakage or having its reflecting-surface become impaired, either by the adhesion of dust or dirt or by corroding and other causes which injure the reflectors now in use.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent as an improved article of manufacture, is:

A reflector for gas-lights, lamps, &c., having a body of cast or wrought metal, with an enameled inner or reflecting surface, substantially as herein set forth.

JAMES STRATTON.

Witnesses:

THOS. S. J. DOUGLAS,
D. ROBERTSON.