H. O. BAKER.
REFLECTOR.

No. 192,321. Patented June 26, 1877.

Fig. 1.

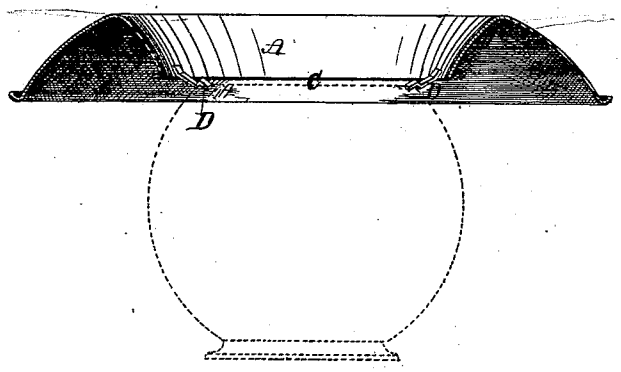
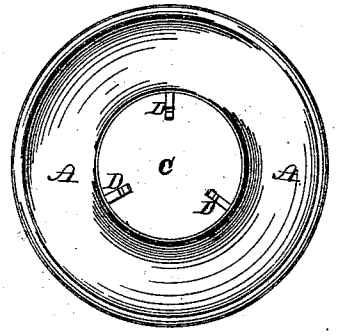


Fig. 2.



WITNESSES

J. Wm. Garner?

R. M. Barr.

INVENTOR

Henry O. Baker.

Per F. A. Lehmann, atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HENRY O. BAKER, OF NEW YORK, N. Y.

IMPROVEMENT IN REFLECTORS.

Specification forming part of Letters Patent No. **192,321**, dated June 26, 1877; application filed April 21, 1877.

To all whom it may concern:

Be it known that I, HENRY O. BAKER, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Reflectors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in reflectors; and it consists in a concavo-convex ring with an opening through its center for the escape of the heat from the flame, and which is to be suspended above the globe or chimney, by any suitable devices, so as to reflect the light downward, as will be more fully described hereinafter.

The accompanying drawings represent my invention.

A represents a concavo-convex ring, made of metal, or any suitable reflecting material, by spinning or any other process, and which has a hole, C, of suitable size, through its center for the free escape of the heat from the flame over which it is suspended. The under side of this reflector being of a concave shape, and having a bright surface, catches the light and reflects it downward with great brilliancy. Secured to the top of the inner rim or edge of the ring are a number of feet or supports, D, which rest upon or catch over the top edge of the globe or shade of a gas-light or a chimney of a lamp, and thus support the reflector in position and prevent it from becoming hot. Any other devices, however, may be used in place of these feet.

Where there is no hole made through the center of a reflector that is suspended above a light, the heat and soot from the flame soon ruin the reflecting-surface, and then the reflector becomes of very little use.

I do not claim, broadly, a concavo-convex reflector, nor a reflector that has a hole through its center for the escape of heat; but

Having thus described my invention, I claim—

1. A circular reflector, having a hole through its center, and having the edge around the hole turned downward, forming a concavo-convex reflector, as shown, so as to reflect light downward and outward, substantially as specified, and for the purpose described.

2. A concavo-convex ring-reflector that has a hole through its center, and which is provided with the feet or supports D, whereby it can be hung upon the top edge of a globe or shade, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of April, 1877.

HENRY O. BAKER.

Witnesses:

HENRY C. BENNING,

NATHANIEL CROSWELL.