

J. OEDING.

Reflector for Lamps and Gas Burners.

No. 51,344.

Patented Dec. 5, 1865.

Fig. 1.

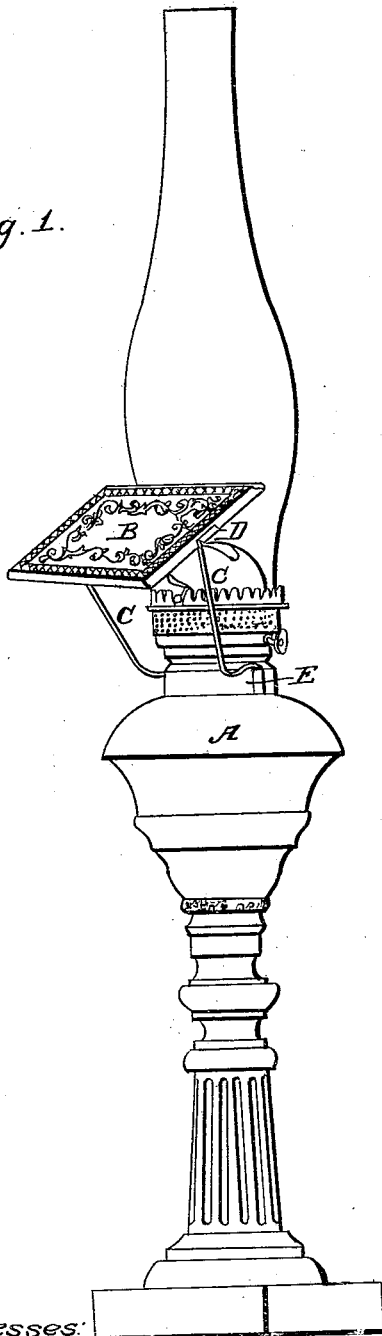


Fig. 2.

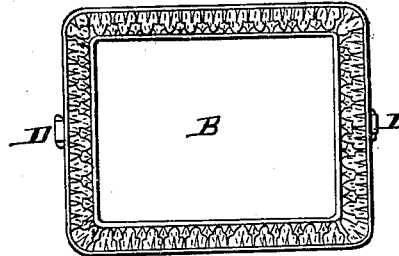
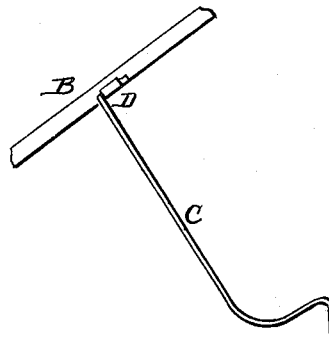


Fig. 3.



Witnesses:

Wm. K. Hall
Isaac P. M. H. King

Inventor:

John Oeding

UNITED STATES PATENT OFFICE.

JOHN OEDING, OF SAN FRANCISCO, CALIFORNIA.

IMPROVED REFLECTOR FOR LAMPS AND GAS-BURNERS.

Specification forming part of Letters Patent No. 51,344, dated December 5, 1865.

To all whom it may concern:

Be it known that I, JOHN OEDING, of the city of San Francisco, in the county of San Francisco and State of California, have invented a new and useful Improvement in the Manufacture of Reflectors for Gas and Lamp Burners to which a glass chimney is used and known as "Oeding's Reflector;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of a lamp with the reflector attached, in which letter A represents an ordinary coal-oil lamp; letter B, the reflector in its position as when in operation; letters C, two supports for the purpose of keeping the reflector, letter B, in its position; letter D, support-holder on the end of the reflector, letter B, there being one support-holder on each side, and through which the supports, letters C, slide; letter E, support-holder on the lamp, letter A, just below the place where the burner is screwed onto the lamp, letter A, there being one support-holder on each side, through which the supports, letters C, slide.

Figure 2 is a view of the lower or reverse side of the reflector, letter B, in which letter B represents the reflector, which is made of ordinary looking-glass with a metallic frame; letters D, the two support-holders, one on each end of the reflector, letter B.

Figure 3 is an end or side view of the reflector, letter B, one of the supports, letter C, and one of the support-holders, letter D, on the reflector, letter B.

To any gas or lamp burner on which a glass chimney is used on the gas-fixture or lamp just below the burner, so as not to interfere with the screwing on or off the burner, two support-holders, letter E, are fixed, as seen in Fig. 1. Two supports, letters C, are made of stout iron or other metallic wire, and shaped as seen in Figs. 1 and 3. They are so shaped as to allow the burner to be screwed on or off, or of tak-

ing the chimney off or putting it on without removing them, so that when the reflector, letter B, is in its place the lamp can be filled, the burner can be taken off, or the chimney removed without making it necessary to take off the reflector, letter B, or the supports, letters C.

The reflector, letter B, as seen in Figs. 1 and 2, is made of ordinary looking-glass, with a metallic frame of such size as is necessary and sufficient to correspond with the size of the burner upon which it is used. On each end of the reflector, letter B, a support-holder, letter D, is fixed.

In using the reflector, letter B, the supports, letters C, are placed in the support-holders, letters E, that are fixed to the gas-fixture or lamp. The reflector, letter B, is then placed in position by sliding the supports, letters C, through the support-holders, letters D, that are fixed on the ends of the reflector, letter B. The top of the reflector, letter B, will touch the glass of the chimney, and will be held in such a position that with one-half the usual strength of light used the light diffused will be more brilliant, useful, and general, and will thereby save at least one-half of the quantity of gas, oil, or other burning-fluid used, at the same time so mellowing the light that it will relieve instead of being painful to the eyes when reading, writing, sewing, or engaged in any other mechanical labor in which the eyes are taxed. The light required when this reflector is used, being so small, generates but little heat, and that being gradual, there is no danger of the glass in the reflector breaking. In case a globe is used on the burner it can be removed and the reflector put on.

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

The combination of all these parts, arranged in the manner herein substantially set forth, and for the purpose described.

JOHN OEDING.

Witnesses:

JAMES M. RAPHALL,
ISAAC T. MILLIKEN.