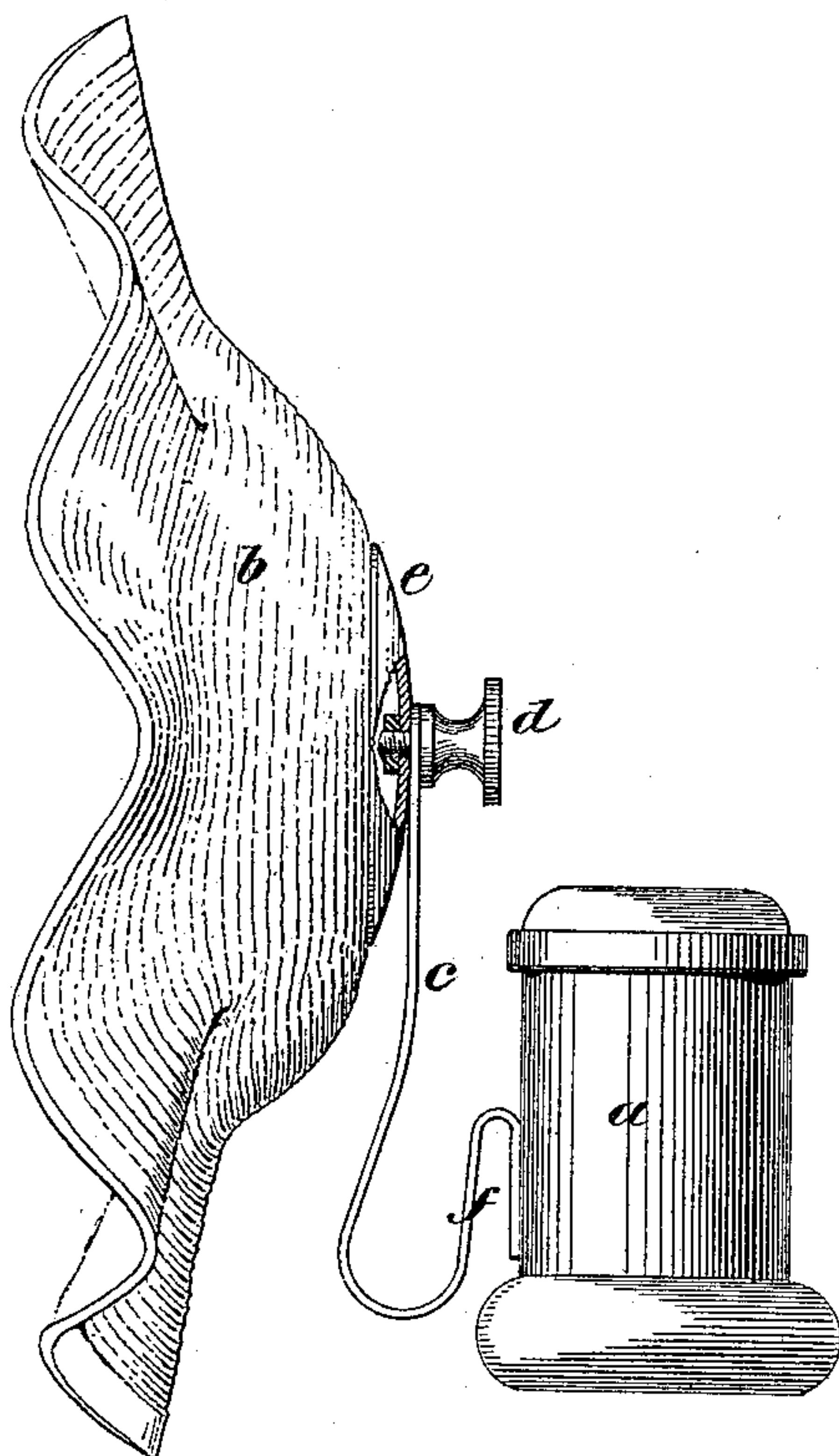


(No Model.)

R. B. KING.
LIGHT REFRACTOR.

No. 371,330.

Patented Oct. 11, 1887.



WITNESSES:
Gustave Dutenich
Robt. H. Marshall.

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UNITED STATES PATENT OFFICE.

RALPH B. KING, OF NEW YORK, N. Y.

LIGHT-REFRACTOR.

SPECIFICATION forming part of Letters Patent No. 371,330, dated October 11, 1887.

Application filed November 20, 1886. Serial No. 219,444. (No model.)

To all whom it may concern:

Be it known that I, RALPH B. KING, a citizen of the United States, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Light-Refraction, of which the following is a specification, reference being had to the accompanying drawing, forming part thereof.

The invention has reference to means for subduing and refracting light received from a candle or gas-jet.

In the drawing is represented a side view of my improvement.

a is a thimble or holder, which is to be placed upon the top of either a gas-jet or a candle.

b is a refractor composed of any desired color of glass and having thereon ornamentation. In the drawing are shown ribs or lines in the glass concentric from the center to the edge. This refractor is held onto the thimble by means of a loop of wire, *c*, one end of which is connected to the center of the refractor by a thumb-screw, *d*, passing through an eye in the wire, and secured upon the other side by a nut or other means of fastening. At the rear of the refractor is placed an enlarged nut or washer,

e, so that the refractor may be securely held by the thumb-screw *d* between the washers. The wire *c* is made at the other end in an S-shaped form, and its extremity is inserted in a socket, *f*, placed on the side of the thimble *a*.

This device is used as follows: Where gas-jets are arranged around a room, the thimble *a*, with the refractor connected thereto in manner as set forth, is inserted over the burner with the refractor facing the center of the room. The effect is very peculiar and agreeable upon the light of the room. If placed on a chandelier, it is inserted over the burner with the refractor facing outward. The same effect is here produced. In case the thimble *a* is placed over a candle, it will follow down as the candle wastes in burning.

I claim—

The combination of a refractor, *b*, of substantially the form shown, composed of colored glass, with a thimble or holder, *a*, a wire, *c*, thumb-screw *d*, and washers *e*, arranged as and for the purpose described.

RALPH B. KING.

Witnesses:

ROBT. H. MARSHALL,
JOHN W. KONVALINKA.