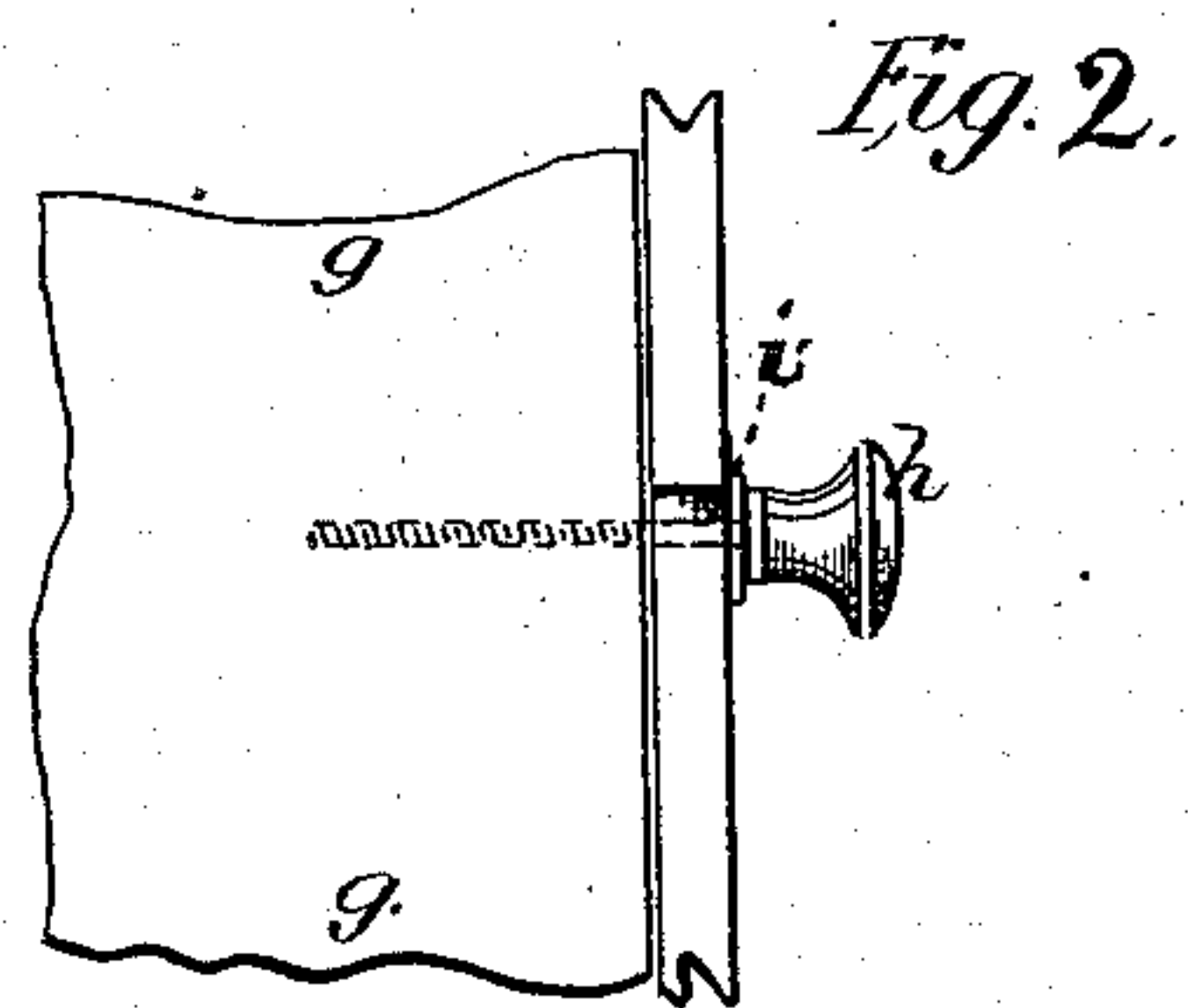
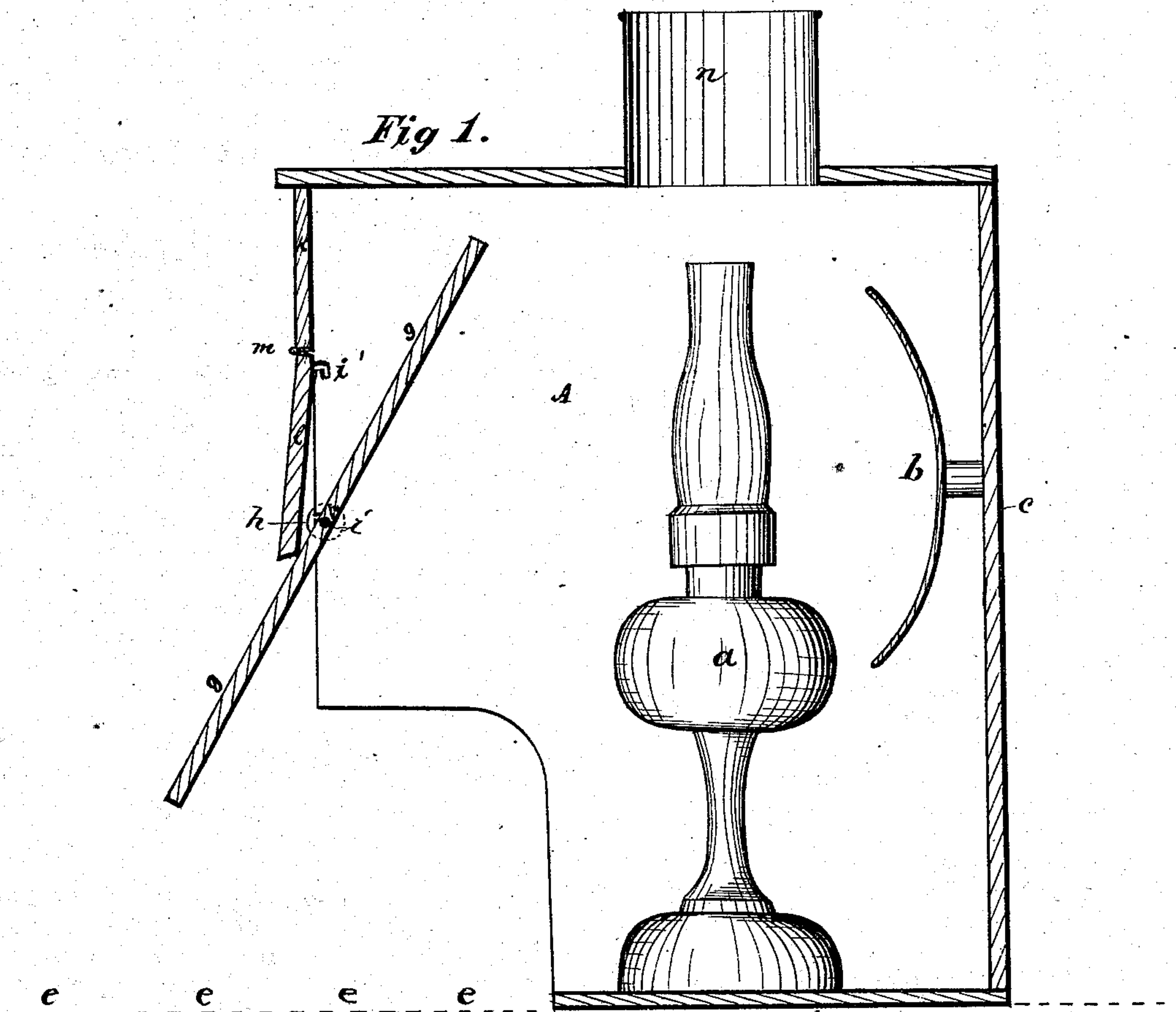


M. H. MENDENHALL.
Reflectors and Sight-Protectors.

No. 158,726.

Patented Jan. 12, 1875.



Witnesses:
John L. Knight
John W. Siver

Inventor:
Marmaduke H. Mendenhall

UNITED STATES PATENT OFFICE.

MARMADUKE H. MENDENHALL, OF WABASH, INDIANA.

IMPROVEMENT IN REFLECTORS AND SIGHT-PROTECTORS.

Specification forming part of Letters Patent No. **158,726**, dated January 12, 1875; application filed August 4, 1874.

To all whom it may concern:

Be it known that I, M. H. MENDENHALL, of the city and county of Wabash and State of Indiana, have invented a new and Improved Reflector and Eye-Sight Protector; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a sectional elevation of the device. Fig. 2 is a detail view.

The object of the invention is to provide an improved device for use in reading by the aid of artificial light. The same consists in a lamp-containing box or case cut away at one side, and provided with a pivoted or hinged plate for deflecting the light, the same being adjustable, and adapted to be clamped or secured at various angles, as hereinafter described.

In the drawing, the rectangular and nearly square case or box A has a chimney-tube, *n*, at the top, and a side door, *c*, through which to introduce or remove the lamp *a*. The upper portion of the side opposite the door *c* is formed of fixed part *k*, a pendent plate, *l*, hinged thereto, and a large mirror-surfaced deflector, *g*, which is centrally pivoted, by means of screws *h*, in notches or open slots *i*. Said screws also serve to clamp the reflector when adjusted at the desired angle. The lower left-hand corner of the box A is cut away, as shown, to allow the light to be reflected downward out of the case at an angle of about

forty-five degrees on the page of reading matter at *e*.

By adjusting the pivoted reflector *g* at the desired angle, the light emitted by the lamp may be concentrated or diffused as conditions require, and the eyes thus protected from injurious effects of both light and heat.

When it is desired to allow the escape of a greater quantity of light, the mirror *g* is pivoted in the upper notches *i*, the hinged piece *l* permitting such adjustment to be made without difficulty.

A reflector, *b*, may be attached to door *c*, opposite the lamp or lamp-burner.

I do not claim the use of a pivoted reflector in combination with a light-emitting medium; but

I claim—

1. The box A, open or cut away at one side, and the deflector *g*, pivoted in notches thereof and adapted to be clamped in any adjustment by means of screws *h*, said parts being combined as shown and described.

2. The box A, provided with two sets of notches, *i* and *i'*, and the hinged piece *l*, and the deflector *g*, combined as shown and described.

Given under my hand at the city of Wabash, Wabash county, and State of Indiana, this 29th day of July, 1874.

MARMADUKE H. MENDENHALL.

Witnesses:

JOHN L. KNIGHT,
JNO. C. SIVEY.