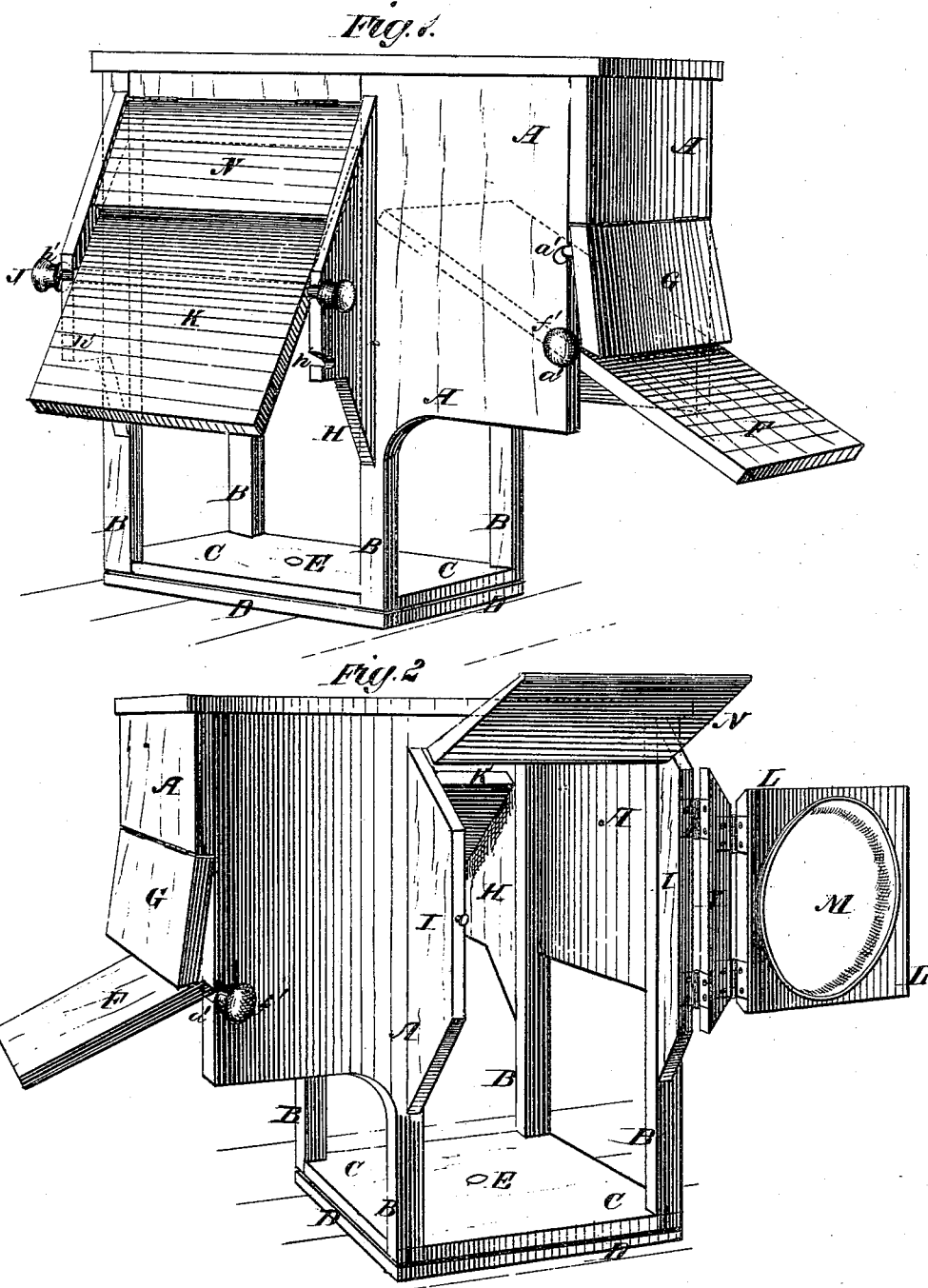


M. H. MENDENHALL.

Sight-Protector.

No. 162,298.

Patented April 20, 1875.



WITNESSES:

Francis M. Ordly.
J. A. Scarborough

INVENTOR:

M. H. Mendenhall

BY

M. H. Mendenhall

ATTORNEYS.

UNITED STATES PATENT OFFICE.

MARMADUKE H. MENDENHALL, OF WABASH, INDIANA.

IMPROVEMENT IN SIGHT-PROTECTORS.

Specification forming part of Letters Patent No. 162,298, dated April 20, 1875; application filed March 6, 1875.

To all whom it may concern:

Be it known that I, MARMADUKE H. MENDENHALL, of Wabash, in the county of Wabash and State of Indiana, have invented a new and useful Improvement in Sight-Protector, of which the following is a specification:

Figure 1 is a front perspective view of my improved sight-protector, shown as arranged for use. Fig. 2 is a rear perspective view of the same, the door being shown open.

Similar letters of reference indicate corresponding parts.

This device is an improvement upon that for which Letters Patent No. 158,726 were granted to me January 12, 1875. The lamp-case is pivoted at the bottom to adapt it to rotate. It is also cut away on all sides, and a hinged flap or plate swinging vertically, and a door swinging horizontally, are so combined with the case that when opened the lamp may be readily inserted or removed, or the light allowed to diffuse itself freely into the room; or the flap may be turned up while the door remains closed to allow the light to strike the ceiling and illumine the upper portion of the apartment, while the eyes of the persons reading or otherwise employed are shaded and protected.

A is the box or case of the device, which is supported by four short legs, B, the lower ends of which are attached to the four corners of the bottom C. The bottom C rests upon a second bottom, D, to which it is pivoted by a screw, E, which passes through the center of the bottom C and screws into the center of the bottom D. This enables the device to be turned and adjusted as the convenience of those using it may require. To the front end of the case A is detachably and adjustably pivoted a deflector, F, by means of screw-knobs *b'*, the shanks of which are inserted in notches *a'* formed in the edges of the sides of the said case, as shown and described in Letters Patent No. 158,726. The space above the deflector F is closed by a flap, G, which is hinged at its upper edge, and its lower edge rests upon the said deflector F. To the rear end of the case A is attached a reflector, which is not shown in the drawings. The sides of the case A, opposite the bottom C, are cut away, and to the said sides, at the side edges of the said cut, are secured two pairs of vertical flanges,

H and I, which are secured by screws screwed into their inner edges from the inside of the case A. This construction allows the pairs of flanges to be changed from one side of the case A to the other, when desired. The upper and lower ends of the flanges H I are beveled off, and in the outer edges of the flanges H are formed notches *h'*, to receive the stems of the screw-knobs J, that support and pivot the deflector K. One of the flanges I is made in two parts, which are hinged to each other, and to the outer one of which is hinged the door L, which, when closed, is fastened to the other flange I by a hook and staple, or other convenient fastening. The upper and lower ends of the flanges I are made exactly alike, so that they and the door L may be attached, either end up. This allows the door L and the flanges I to be attached to either side of the case A, and enables the door L to be turned back, to lie close against the rear end of the case A, from either side. To the inner side of the door L is attached a reflector, M, which may be adjusted to throw the light at any desired angle. To the sides of the case A, between the upper ends of the flanges H and I, are hinged the two flaps N, the lower parts of which are beveled or inclined, so that they may lie closely upon the door L and deflector K. The flaps N may be turned up and held by hooks or other fastenings, when it is desired to throw the light through the room. By this construction, by turning up the flaps N, turning back the door L, and detaching the deflector K, the light may be thrown into the room.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of the second bottom D, and the pivoting-screw E, with the case A B C, substantially as herein shown and described.

2. The combination, with the case A B C, having its sides cut away or open at the bottom, of the flap N, hinged near the top thereof, the door L, and hinged pieces I, all constructed and arranged as shown and described, for the purpose specified.

MARMADUKE H. MENDENHALL.

Witnesses:

JOHN TUDOR,
CHAS. S. HAAS.