

A. H. GOLDEN.

Lantern.

No. 19,845.

Patented April 6, 1858.

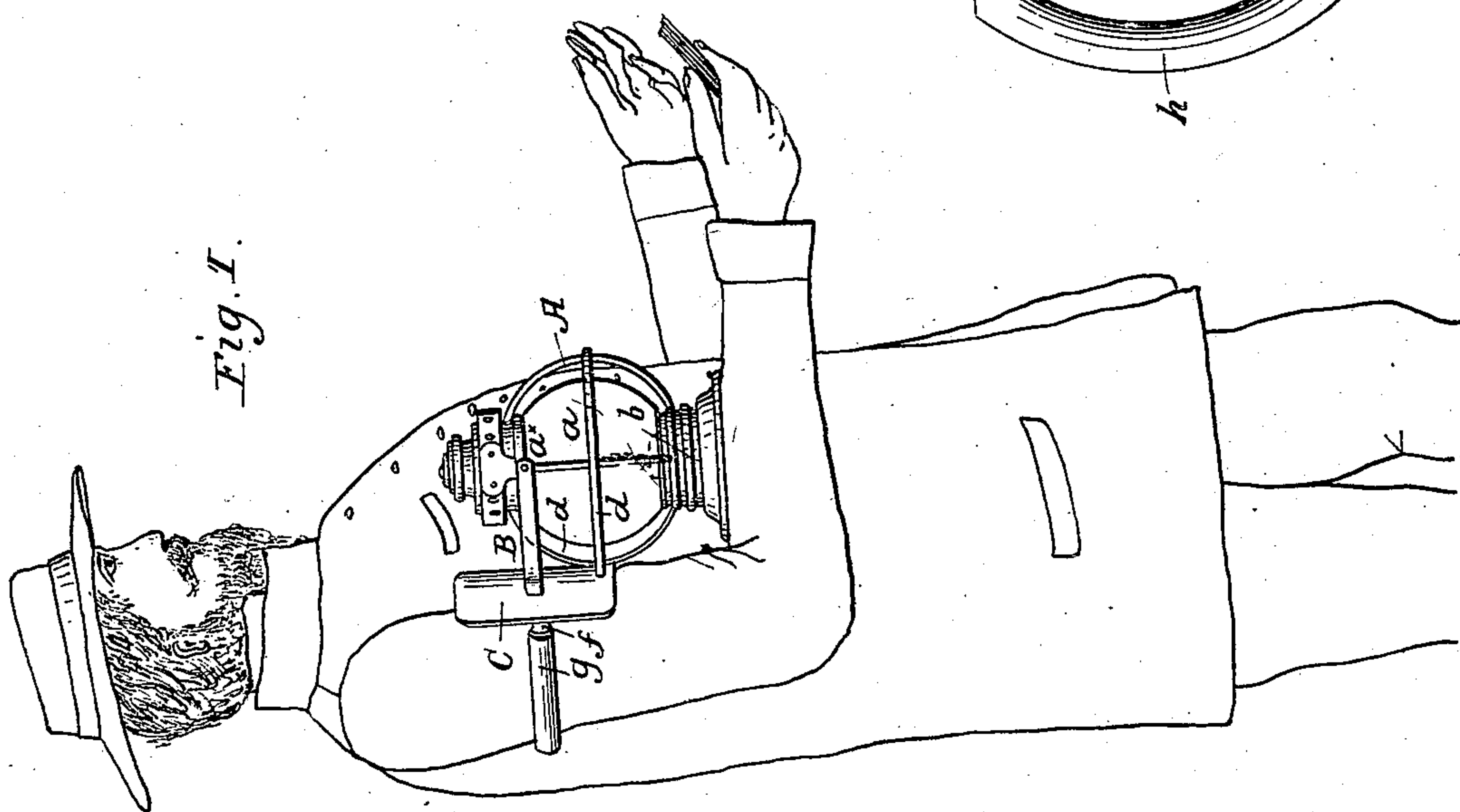
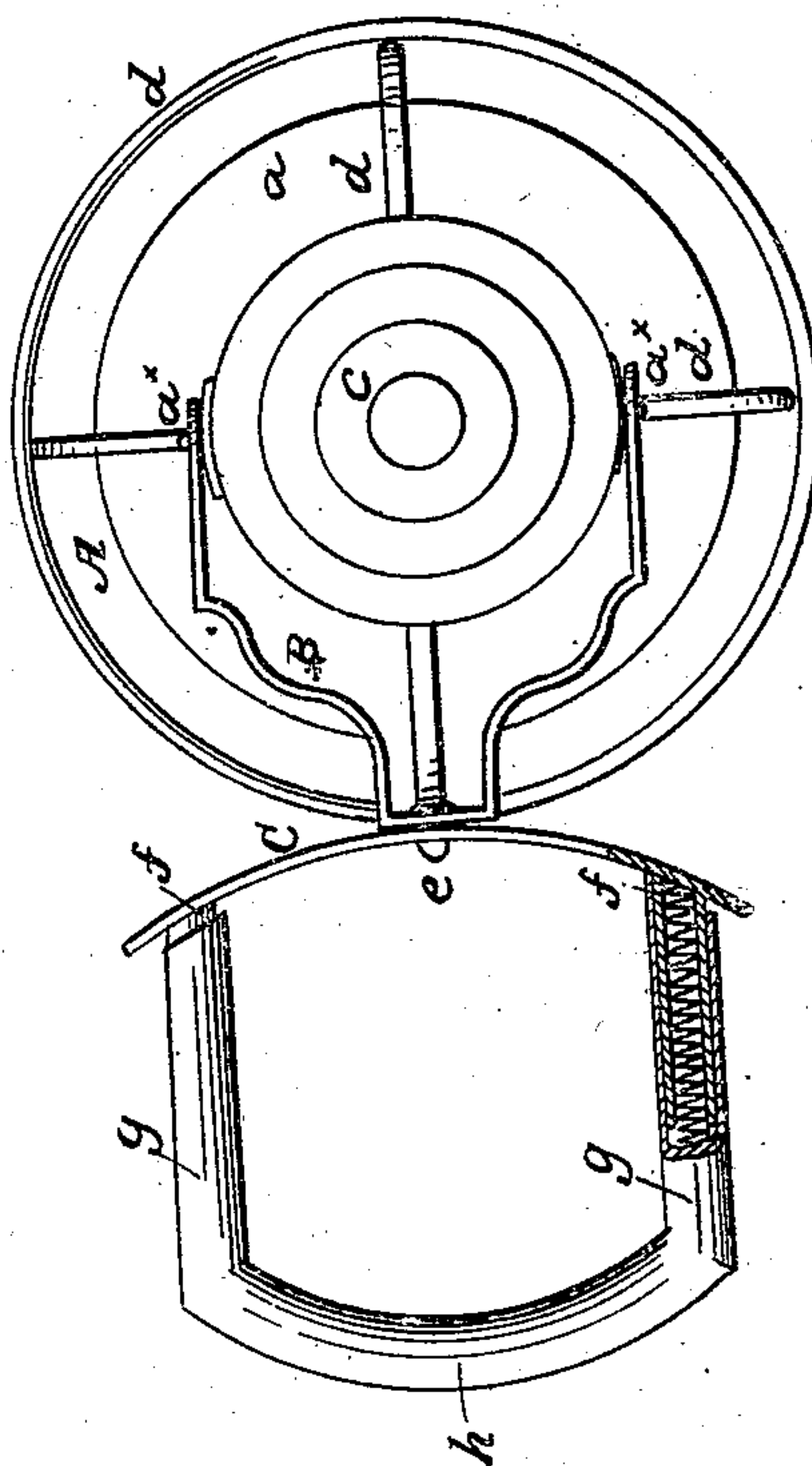


Fig. 2.



UNITED STATES PATENT OFFICE.

A. H. GOLDEN, OF LAFAYETTE, INDIANA.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. 19,845, dated April 6, 1858.

To all whom it may concern:

Be it known that I, A. H. GOLDEN, of Lafayette, in the county of Tippecanoe and State of Indiana, have invented a new and useful Improvement in Lanterns for the Use of Railroad Conductors and Others; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a view of my improvement applied to the arm of a railroad conductor. Fig. 2 is a detached plan or top view of same.

Similar letters of reference indicate corresponding parts in the two figures.

This invention consists in a novel way of attaching the lantern to the arm of the person requiring its use, as hereinafter shown, so that the person may have perfect control of both arms and hands and at the same time have the full benefit of the light.

The invention is designed more particularly for the use of railroad conductors while collecting fares or tickets; but it may be advantageously used by others in prosecuting or performing any work where a light is required and both hands are to be used.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a lantern, which may be constructed in any of the known forms. The ordinary glass globe *a*, provided with a base *b* and top or cap *c*, and also provided with guards *d*, will probably be used, and will perhaps be the most preferable style, or at least equal to any.

To the top or cap *c* of the lamp a bail or bow B is attached. This bail or bow is constructed of metal and its ends are pivoted to the top or cap *c* at each side, as shown at *a*^x, the bail being allowed to work freely on the pivots.

To the outer part of the bail B a curved plate or shield C is attached by a pivot *e*, said pivot passing through the center of the plate or shield, which is allowed to turn freely on the pivot. The plate or shield may be constructed of sheet metal and of the same kind as the base and top of the lantern, tinned plate and sheet-brass being most generally used for such purposes. The plate or shield C is curved to correspond to the upper part of the arm D, and to each side of the plate or shield at its concave side and near its

edge a tube *f* is attached. These tubes are parallel with each other, and they project horizontally from the shield or plate and are fitted in tubes *g g*, the outer ends of which are connected by a curved tube *h*.

Within the tubes *f* and *g* spiral springs *i* are placed, a spring being at each side of the shield and having a tendency to draw the plate or shield C to the ends of the tubes *g*, the tubes *f* being allowed to slide freely in the tubes *g*.

The implement is used as follows: The person who is to use it places his arm through the clamp, which is formed by the plate or shield C and the tubes *f g*, in connection with the cross-piece or tube *h* and the springs *i*. This clamp is shoved up on the upper part of the arm, so that the base *b* of the lantern will rest on the lower part of the arm when the latter is in a horizontal position, as shown clearly in Fig. 1. The springs *i* cause the plate or shield C to bear snugly against the arm and also allow the clamp to yield or give to suit arms of different thicknesses or sizes.

From the above description it will be seen that the person to whose arm the lantern is attached will have the control of both arms and also of both hands, and will also have the full benefit of the light.

I would remark that I do not confine myself to the precise form of clamp herein shown, for that may be varied in various ways. For instance, instead of the tubes *f g*, fitted together and used in connection with the springs *i*, a clamp may be formed of spring-jaws attached to the plate or shield C, so that the jaws may be distended and adjusted directly to the arm without passing the arm through it.

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

The bow or bail B, pivoted to the upper part of the lantern A and provided with the plate or shield C and clamp constructed as shown, whereby the lantern may be readily secured to the arm of the person desiring its use and the person have the control of both arms and hands and at the same time have the full benefit of the light.

A. H. GOLDEN.

Witnesses:

T. W. GRAHAM,
GEO. GARDNER.