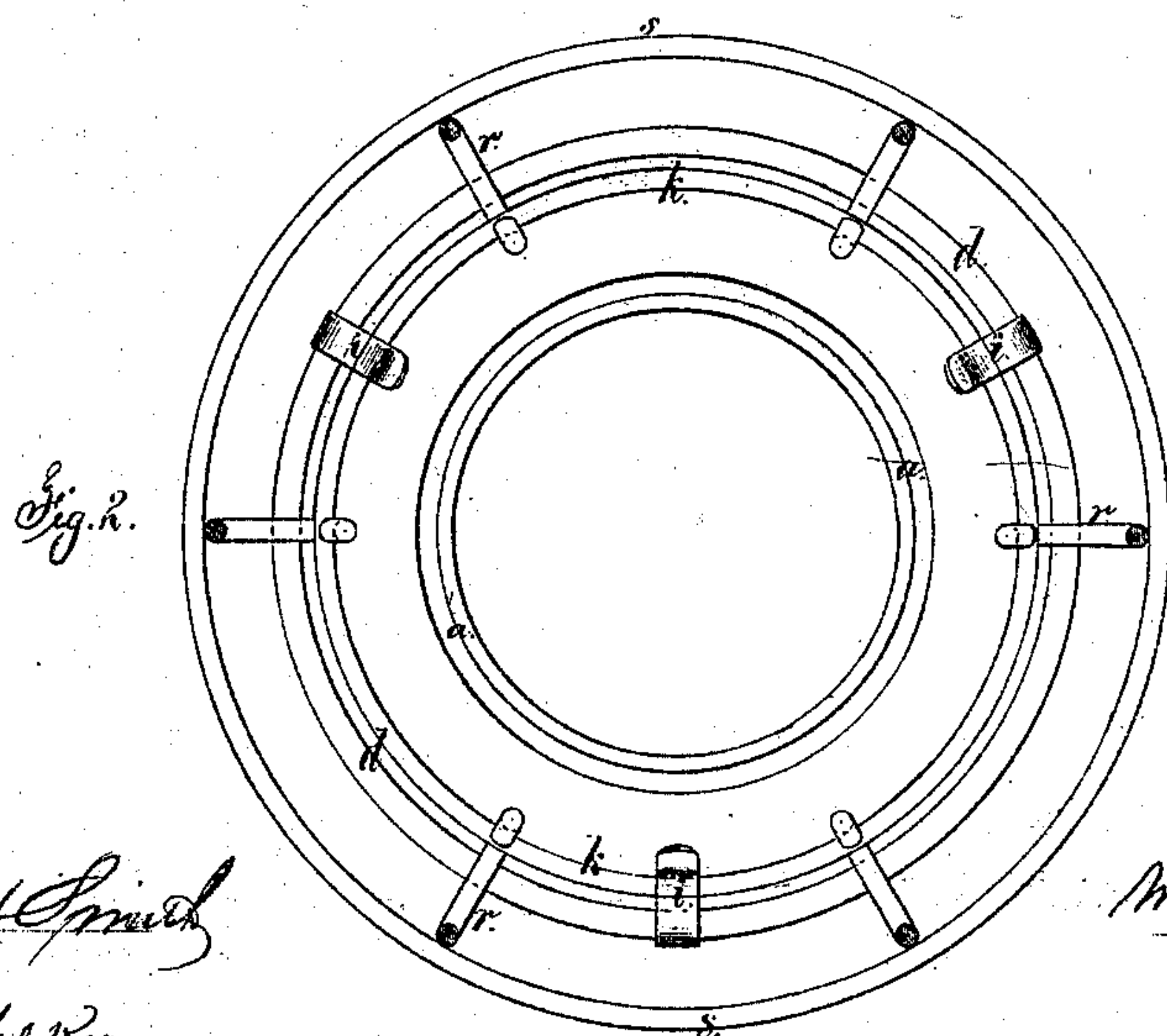
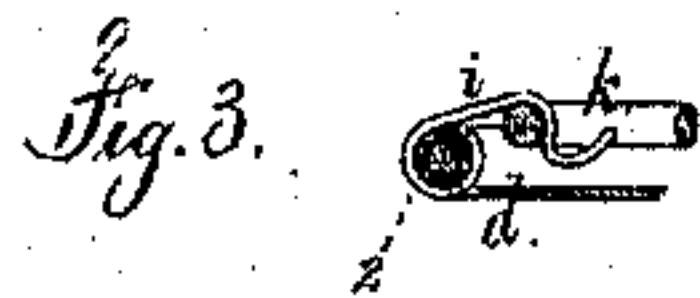
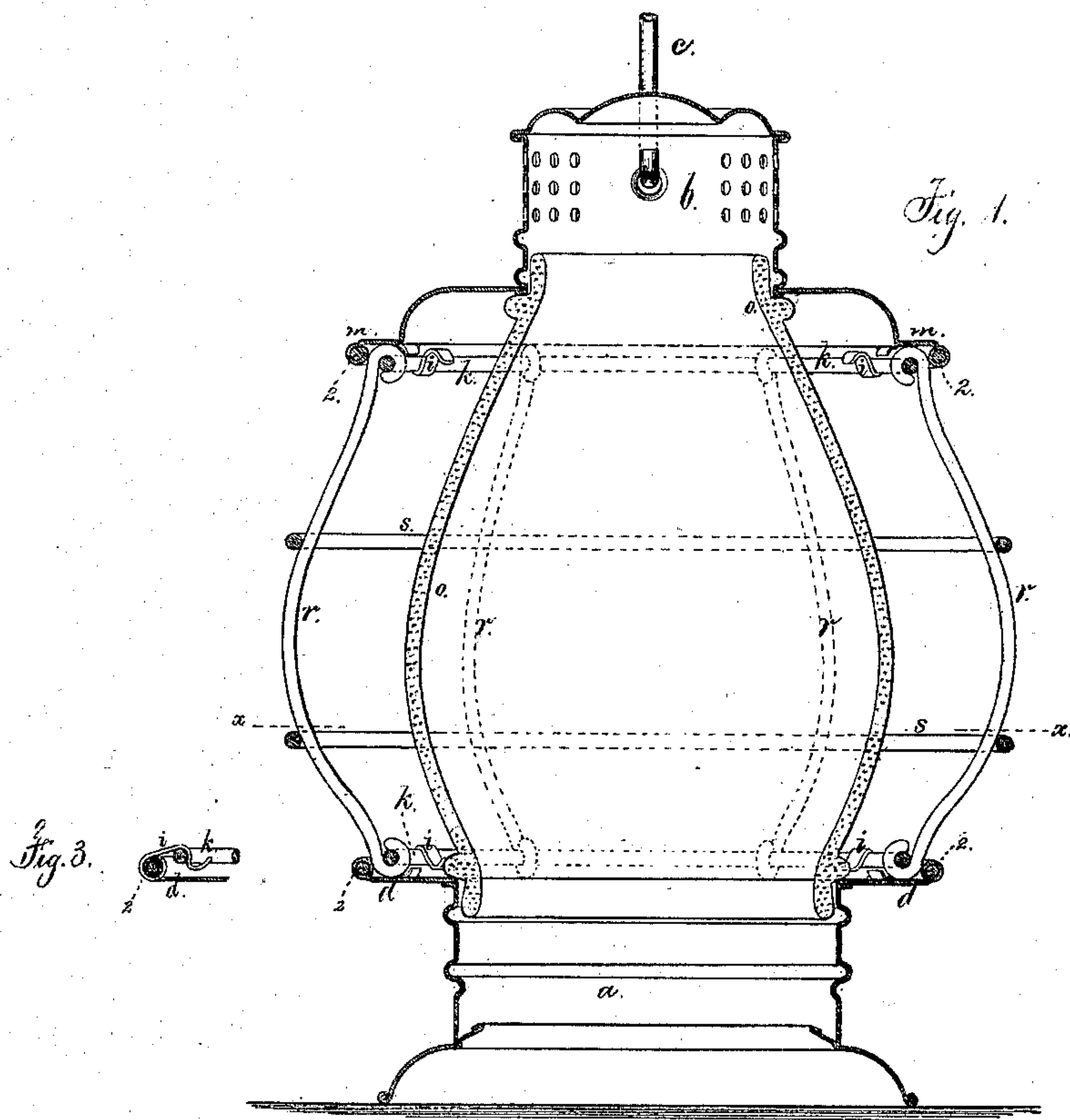


W. J. BERRY.

Lantern.

No. 100,845.

Patented March 15, 1870.



Witness,

Chas. H. Smith
Geo. S. Miller

William J. Berry

United States Patent Office.

WILLIAM J. BERRY, OF BROOKLYN, NEW YORK.

Letters Patent No. 100,845, dated March 15, 1870.

IMPROVEMENT IN LANTERNS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM J. BERRY, of Brooklyn, in the county of Kings and State of New York, have invented and made a new and useful Improvement in Lanterns; and the following is declared to be a correct description of the same.

Lanterns have heretofore been made with wire guard-frames around the lantern-glass, and these guards have been made removable, so as to facilitate the cleaning of the glass or the insertion of a new glass. These frames have usually been made in two pieces, so as to open.

My invention relates to a wire guard-frame made to surround the entire glass, and with openings at the ends sufficiently large to allow for introducing or removing the glass, in combination with swinging clamping-hooks upon the edge wires of the sheet-metal base and top of the lantern, taking around the wire hoop of the frame at top and bottom so as to connect the parts firmly, but allow of the separation of the parts by unhooking the clamps to allow of removing the glass.

In the drawing—

a is the base of the lantern, adapted to receive a lamp of any usual character, and

b is the top of the lantern, to which the suspending-ring or handle *c* is connected, all as in ordinary lanterns.

Figure 1 being a vertical section, and

Figure 2 a sectional plan of the lantern at the line *x x*,

Around the upper part of the base *a* is a projecting ring-flange, *d*, the wire 2 in the edge of which receives the eyes of the swinging clamping-hooks *i*, that are made as shown separately in Figure 3, to hook over the lower wire hoop *k* of the frame or guard.

The flange *m* around the top part *b* of the lantern

is provided with similar clamping-hooks, *i*, swinging upon the edge wire 2, and hooking over the upper hoop, *k*, of the guard-frame.

The glass *o* is of usual or desired character, setting into the top *b*, and bottom *a*.

The guard-frame is made of wire, the vertical ribs *r* having eyes turned at their ends so as to connect firmly with the top and bottom hooks *k*, and

s s are intermediate hoops, connected by solder or otherwise with the ribs *r*.

It is to be understood that the hooks *i* clasp the rings or hoops *k* between the points where the ribs *r* are connected, hence the hoops can be sprung by the action of the clasps and hold the parts firmly, because the eyes of the ribs *r* keep the hoops *k* from coming in contact with the sheet-metal flanges, and allow the hoops to be slightly bent by the action of the clasps *i*, so that the clasps will firmly hold the parts, but not be liable to be bent by sudden handling of the lantern, the hoops *k* acting as springs.

I claim as my invention—

1. The wire guard-frame surrounding the glass of the lantern, in combination with the clamping-hooks *i* that swing upon the edge wires 2, as and for the purposes set forth.

2. The wire-guard frame made with ribs *r*, having eyes at their ends receiving the hoops *k*, in combination with hooks to connect the frame to the top and bottom portions of the lantern, substantially as specified.

Signed by me this 4th day of February, A. D. 1870.

WILLIAM J. BERRY.

Witnesses:

CHAS. H. SMITH,
GEO. T. PINCKNEY.