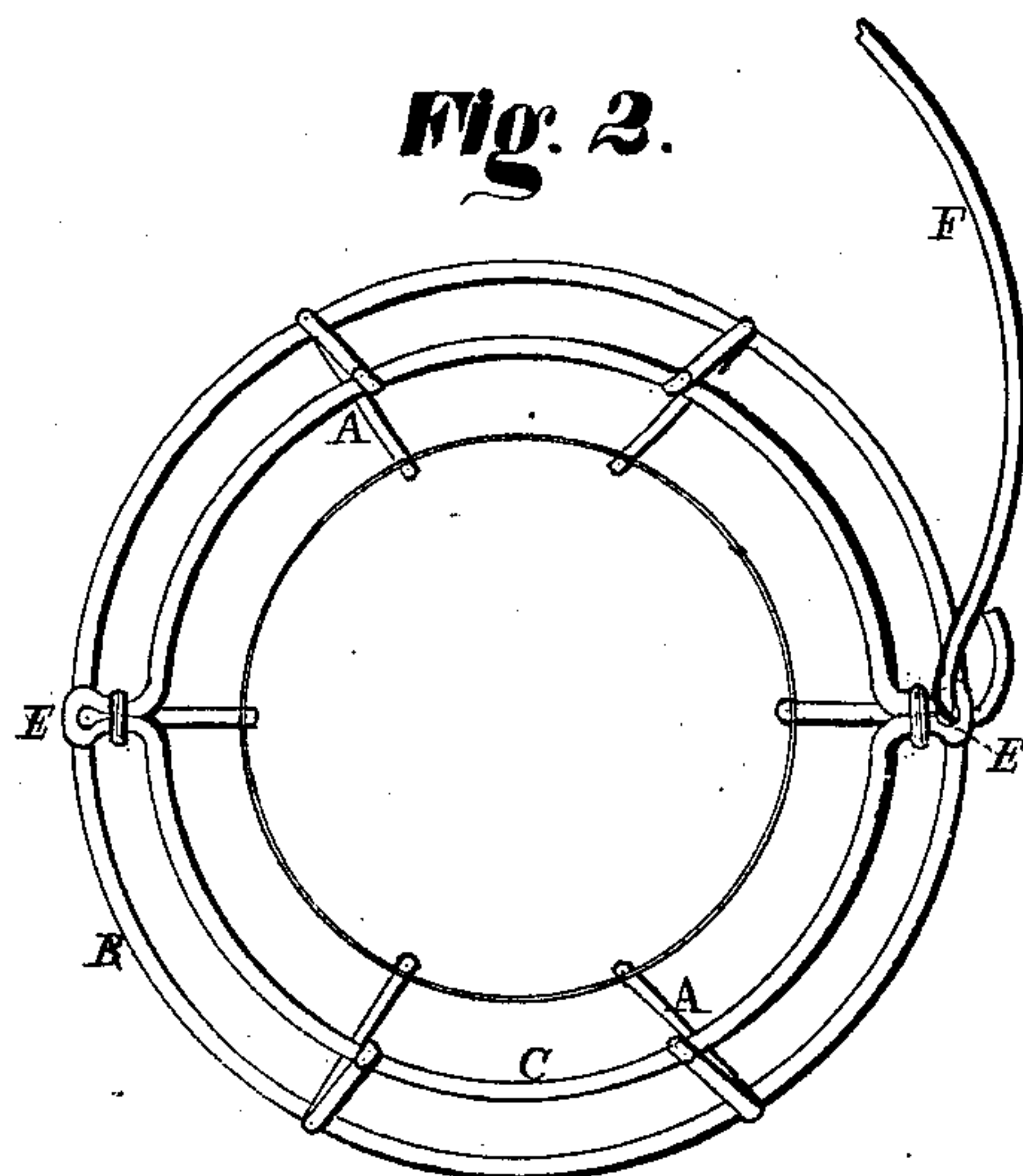
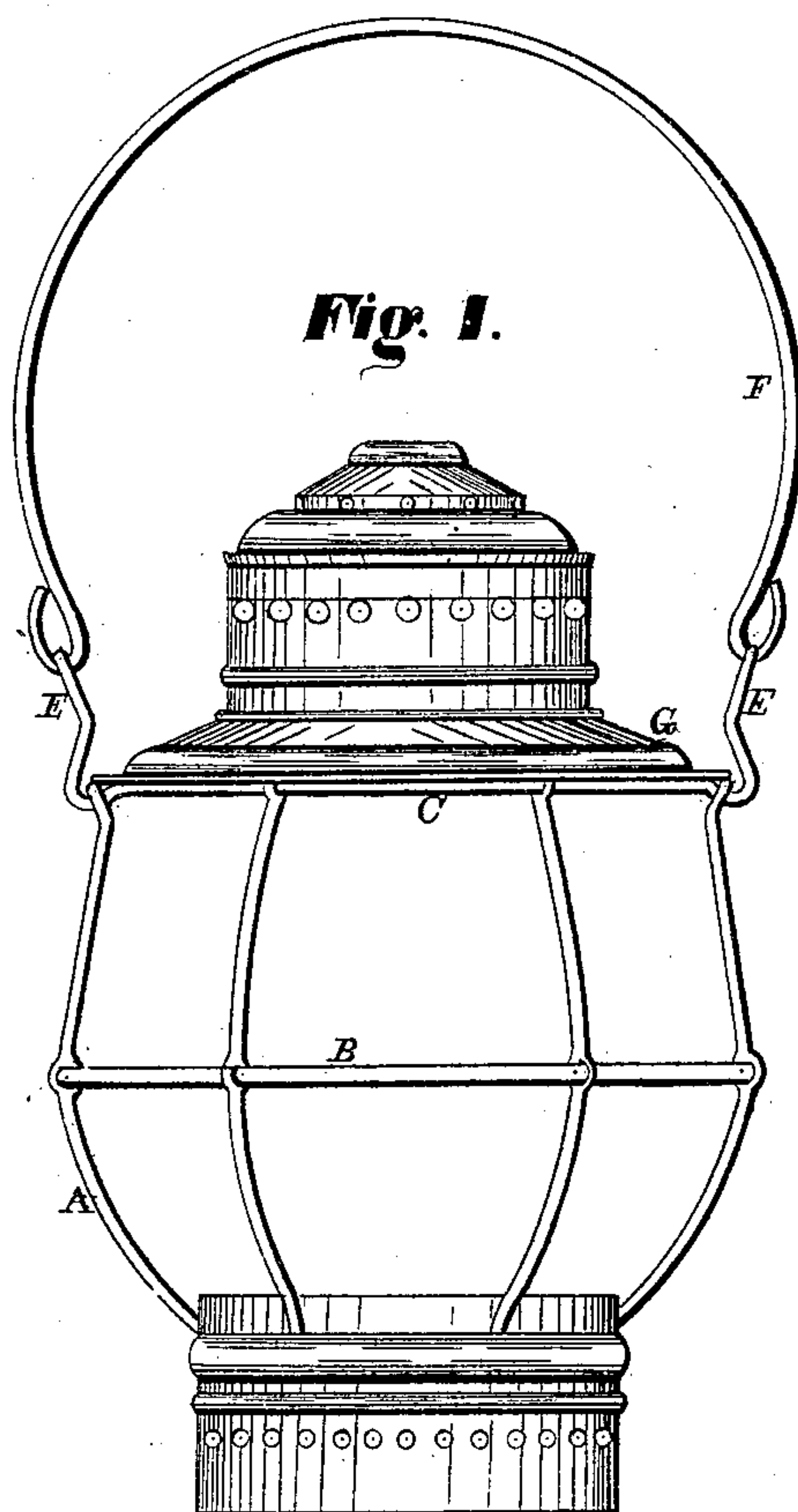


T. SMITH.
Lanterns.

No. 139,030.

Patented May 20, 1873.



Witnesses.

A. F. Cornell.

H. A. Rolison

Inventor.

Thomas Smith.
Per. Burridge & Co.
Atty's.

UNITED STATES PATENT OFFICE.

THOMAS SMITH, OF CLEVELAND, OHIO.

IMPROVEMENT IN LANTERNS.

Specification forming part of Letters Patent No. **139,030**, dated May 20, 1873; application filed March 10, 1873.

To all whom it may concern:

Be it known that I, THOMAS SMITH, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements on Lanterns, of which the following is a full and complete description:

Figure 1 is a side view of the frame or guard of a lantern. Fig. 2 is a top view, having the cap removed.

Like letters of reference refer to like parts in the several views.

This invention has for its object the construction of the bail-ears of a lantern out of the same wire which forms one of the rings of the guard or frame, as hereinafter described.

In the drawing, A A represent the ribs of the guard, and B C the middle and upper rings, to which the ribs are secured. E are the ears to which the bail F is attached. Said ears are formed out of the same piece of wire constituting the ring C, as will be seen in Fig. 2. This is done by doubling the wire at certain points, forming thereby loops or eyes, one on each side of the ring, into which the bail is hooked, as shown in Fig. 1.

The special advantage of making the ears in this way is that in so doing the weight of

the lantern is carried directly by the frame instead of the cap G in the ordinary way, which, if the clasp whereby it is secured to the frame becomes much worn or loose, it is liable to become unclamped and thereby endanger the safety of the lamp; and furthermore by having the ears extend high above the cap or reflector, the weight of the lantern is, in consequence, mainly below the attachment of the bail thereto; hence there must be much less vibration of the body of the lantern when carried or swung about; therefore the light is not liable to be extinguished in consequence of drafts of air induced by such vibrations.

Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

The ring C, consisting of one or more pieces of metal loops or ears E, formed from a part of said ring C, and extending above the cap or reflector G, in the manner substantially as described, and for the purpose set forth.

THOMAS SMITH.

Witnesses:

JOHN H. BURRIDGE,
A. F. CORNELL.