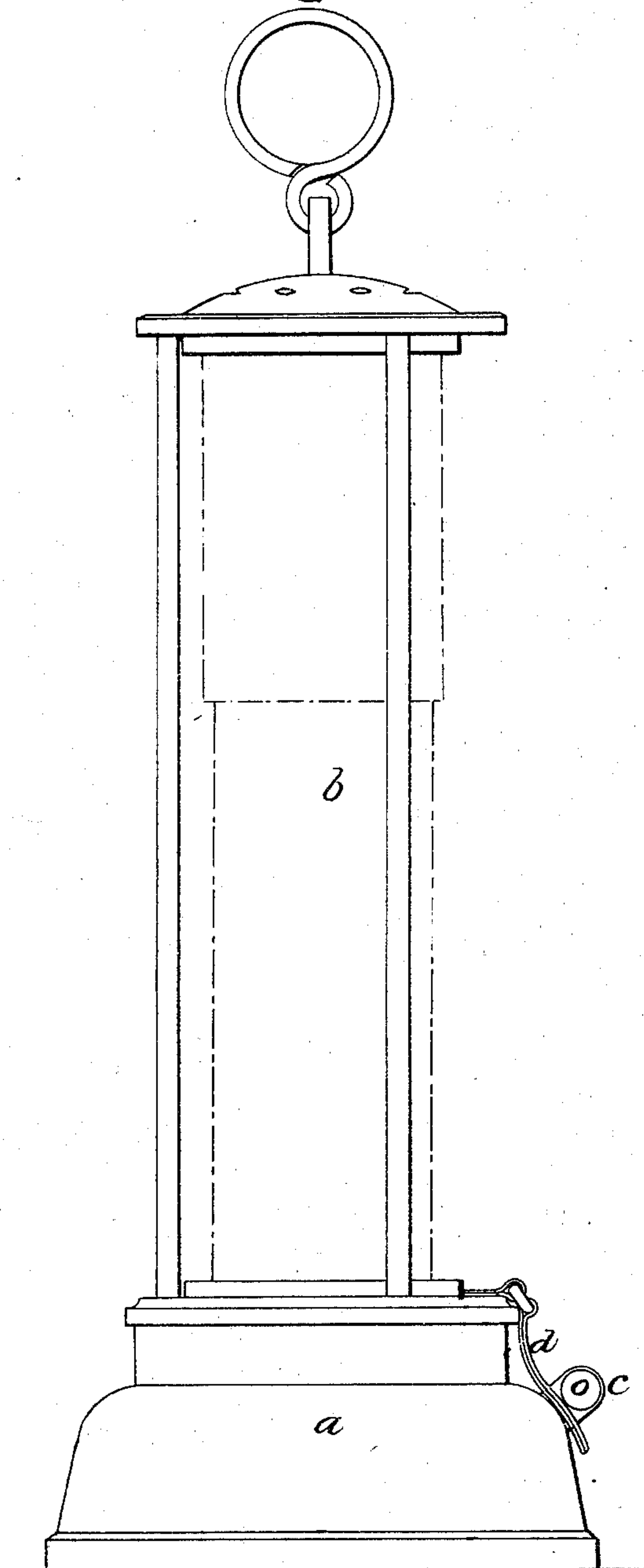
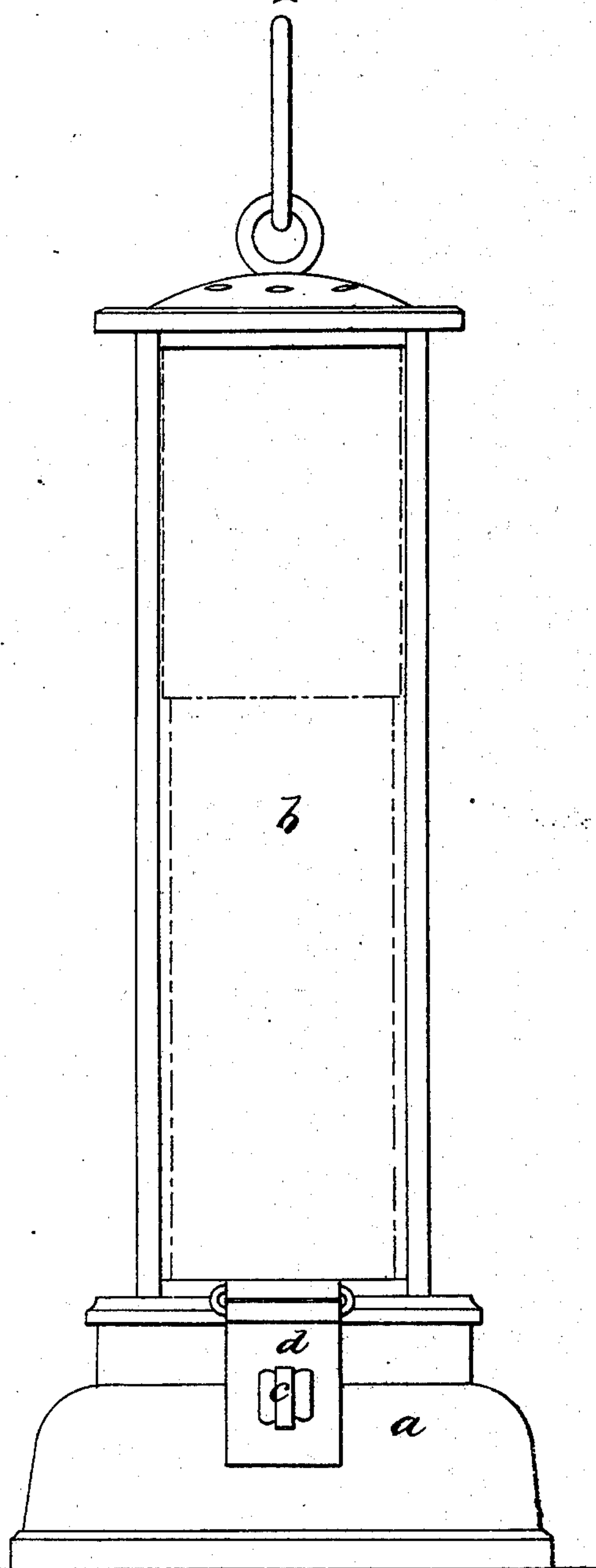


*J. Harding.*  
*Lock-Fastener for Lamp.*  
*Nº 72196*      *Patented Dec. 17. 1867.*

*Fig. 1*



*Fig. 2.*



*Witnesses*

*John L. Davies.*  
*Thomas Wrigley.*

*Inventor.*

*John Harding.*

# United States Patent Office.

JOHN HARDING, OF WARRINGTON, GREAT BRITAIN.

*Letters Patent No. 72,196, dated December 17, 1867.*

## IMPROVED LOCK-FASTENER FOR LAMPS.

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, JOHN HARDING, of Warrington, in the county of Lancaster, and Kingdom of Great Britain, have invented a new and improved Lock or Fastener for Lamps; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The invention is designed to supply such a fastener or lock to lamps, similar to "Davy-lamps" used for mining purposes, that when once it is closed it cannot again be opened, except by the destruction of the fastening, and such fastening cannot be replaced, or a new one substituted, except by an authorized person. The surreptitious opening of a lamp would invariably be shown to the lamp-examiner.

The improvements consist in the application and use of a bolt or rivet, to be made of lead or soft metal, gutta percha, or other suitable soft, cheap material. The ordinary slotted plate and staple are used on the lamp instead of a padlock being passed through the staple. One of these rivets is passed through and riveted by compressing or "clinching" the rivet between a pair of hinged levers, which, being supplied with a die or stamp, simultaneously secures the lamp-cover, and impresses a mark or seal on one or both ends of the rivet. The examiner, or authorized supervisor, cuts through the soft rivet with "cutting-pincers," when necessary to "trim" the lamp.

In order that the invention may be better understood and explained in detail, I have herewith attached a sheet of drawings, made about the full size.

Figure 1 represents a side elevation of an ordinary "Davy-lamp," having applied thereto the rivet-fastening, which is employed instead of a lock.

Figure 2 represents a front elevation of the same.

*a a* is the body of the lamp, and *b b* the wire-gauze covering and top-fittings of the lamp; *c* is a staple, secured to the body of the lamp *a*, over which the slotted latch *d*, secured to the top-fittings *b*, falls, and which, when down, allows a lead rivet, *e*, to be passed through the staple *c*, which, when clinched as seen in fig. 2, firmly secures the latch.

Having now described the nature of the said invention, I wish it to be distinctly understood that I claim the application, employment, and use of a soft-metal or other rivet, or other compressible plug, as a fastening for safety-lamps, instead of locks, screws, or other mechanical contrivances now employed.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN HARDING.

Witnesses:

JOHN L. DAVIES,  
JNO. HUGHES.