

No. 871,307.

PATENTED NOV. 19, 1907.

J. R. McK. TISDALE.

LANTERN.

APPLICATION FILED DEC. 19, 1906.

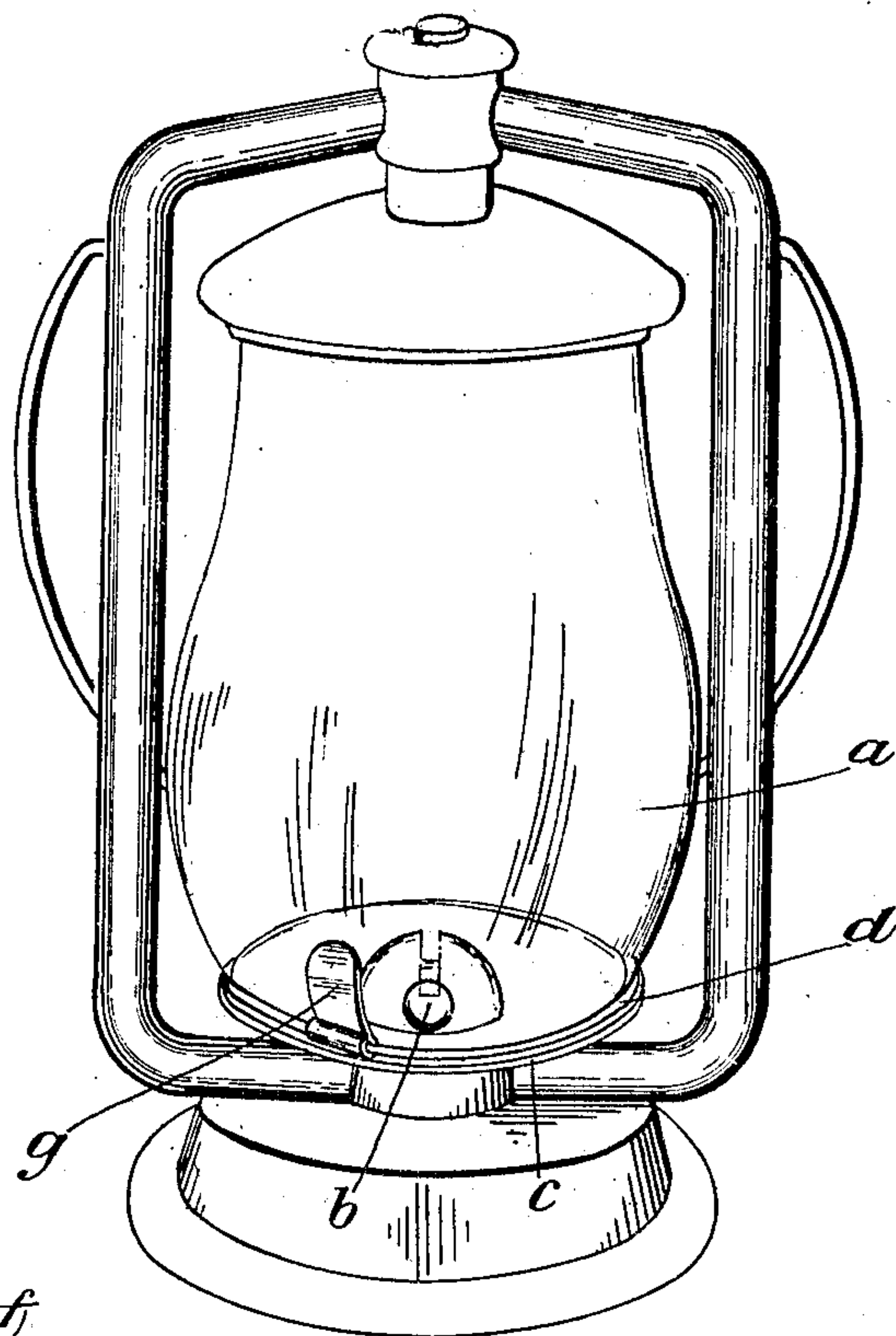


Fig. 1.

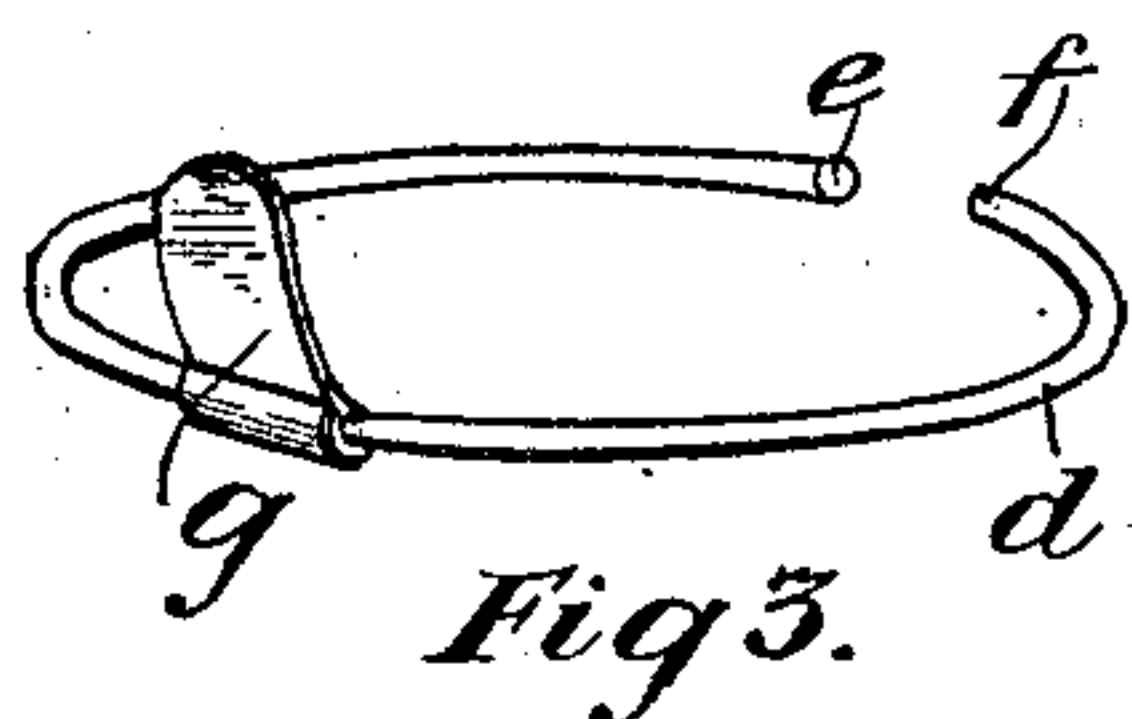


Fig. 3.

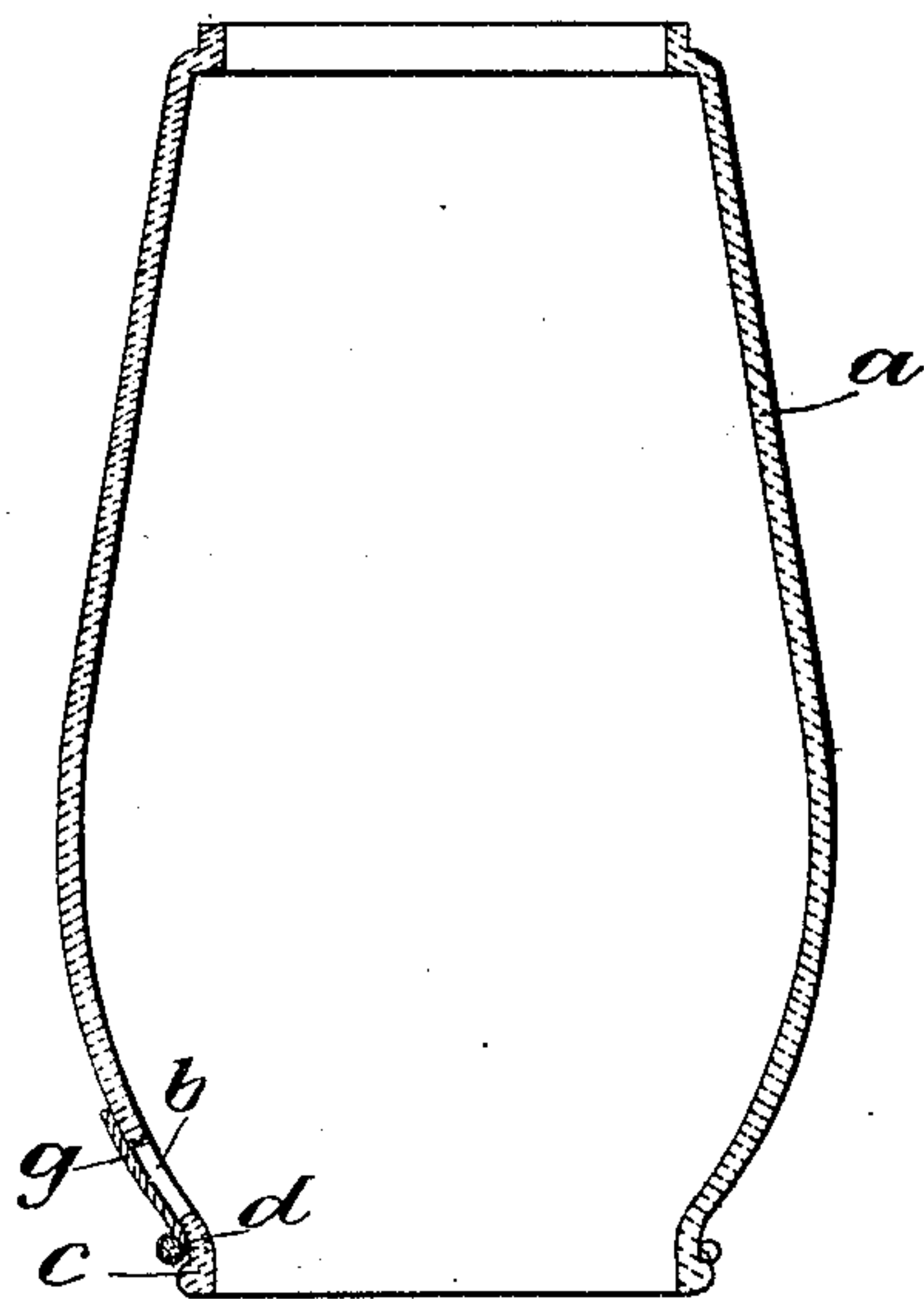


Fig. 2.

Witnesses
A. Demisson
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by E. Fetherstonhaugh
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UNITED STATES PATENT OFFICE.

JAMES RUSSELL MCKENZIE TISDALE, OF BEAVERTON, ONTARIO, CANADA.

LANTERN.

No. 871,307.

Specification of Letters Patent.

Patented Nov. 19, 1907.

Application filed December 19, 1906. Serial No. 348,605.

To all whom it may concern:

Be it known that I, JAMES RUSSELL MCKENZIE TISDALE, of the village of Beaverton, county of Ontario, in the Province of Ontario, Dominion of Canada, have invented certain new and useful Improvements in Lanterns; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to improvements in lanterns and the object of the invention is to facilitate the lighting of the lantern wick, and it consists essentially of a chimney having a hole in proximity to the lower end thereof, and removable means for covering said hole, the various parts being arranged and constructed as more particularly explained in detail hereinafter.

In the drawings Figure 1 is a perspective view of a lantern showing the hole in the chimney open in readiness to insert a match or taper. Fig. 2 is a vertical sectional view of the lamp chimney through the opening for lighting purposes. Fig. 3 is a perspective detail of the spring ring.

Like letters of reference indicate corresponding parts in each figure.

a is the lamp chimney here shown as being applicable to a stable or railway lantern, and having in the inward lower curve from the bellying portion a circular opening *b*, and an annular bead *c* extending laterally and outwardly around the bottom thereof.

d is an open ring of spring wire preferably having the ends *e* and *f* separated at its opening.

g is a lip extending upwardly from the ring *d* diametrically opposite the opening of the ring and adapted to cover the opening *b* in the chimney.

The ends *e* and *f* of the ring *d* are pulled apart and the said ring snapped around the lower end of the chimney immediately above the bead *c*. The ring *d* may be moved around the chimney so that the lip *g* will cover the opening *b* as aforesaid.

In order to light the lantern, the ring *d* is moved around until the lip *g* slides away

and uncovers the opening *b*, a match may then be inserted and the wick of the lantern lighted. Immediately on the ignition of the wick, the ring *d* is moved around, until the lip *g* covers the opening *b* in the glass thereby effectually stopping any draft through the said opening.

The principal advantage of this invention is that a lamp or lantern may be lighted without the necessity of removing the glass, thus overcoming the difficulty of lighting a lantern where there is a draft as it is well known that the wick after being lighted is often blown out before the glass can be replaced.

The device is very simple and effective, the chimney can be manufactured at the same price as those now in use and the wire ring and shield adds comparatively little to the cost. The lip on the ring can be made to completely close the opening through the glass and effectually prevent any great draft of air from entering the opening *b* and consequently smoking the chimney or blowing out the light.

What I claim as my invention is:—

In a lantern, in combination, a chimney having an opening therethrough in the inward curve at the lower end thereof and an annular rim projecting outwardly therefrom at the lower edge thereof, an open spring wire ring embracing said chimney above said annular rim and retained thereon by said rim, and a broad lip rigidly secured to said spring ring and bent to conform to the contour of the said chimney and adapted to close the opening therein and be moved circumferentially around said chimney to uncover said opening, substantially as described.

Signed at the city of Toronto, in the county of York, Province of Ontario, in the Dominion of Canada, this 12th day of October, 1906.

JAMES RUSSELL MCKENZIE TISDALE.

Witnesses:

H. DENNISON,
E. WILKIN.