

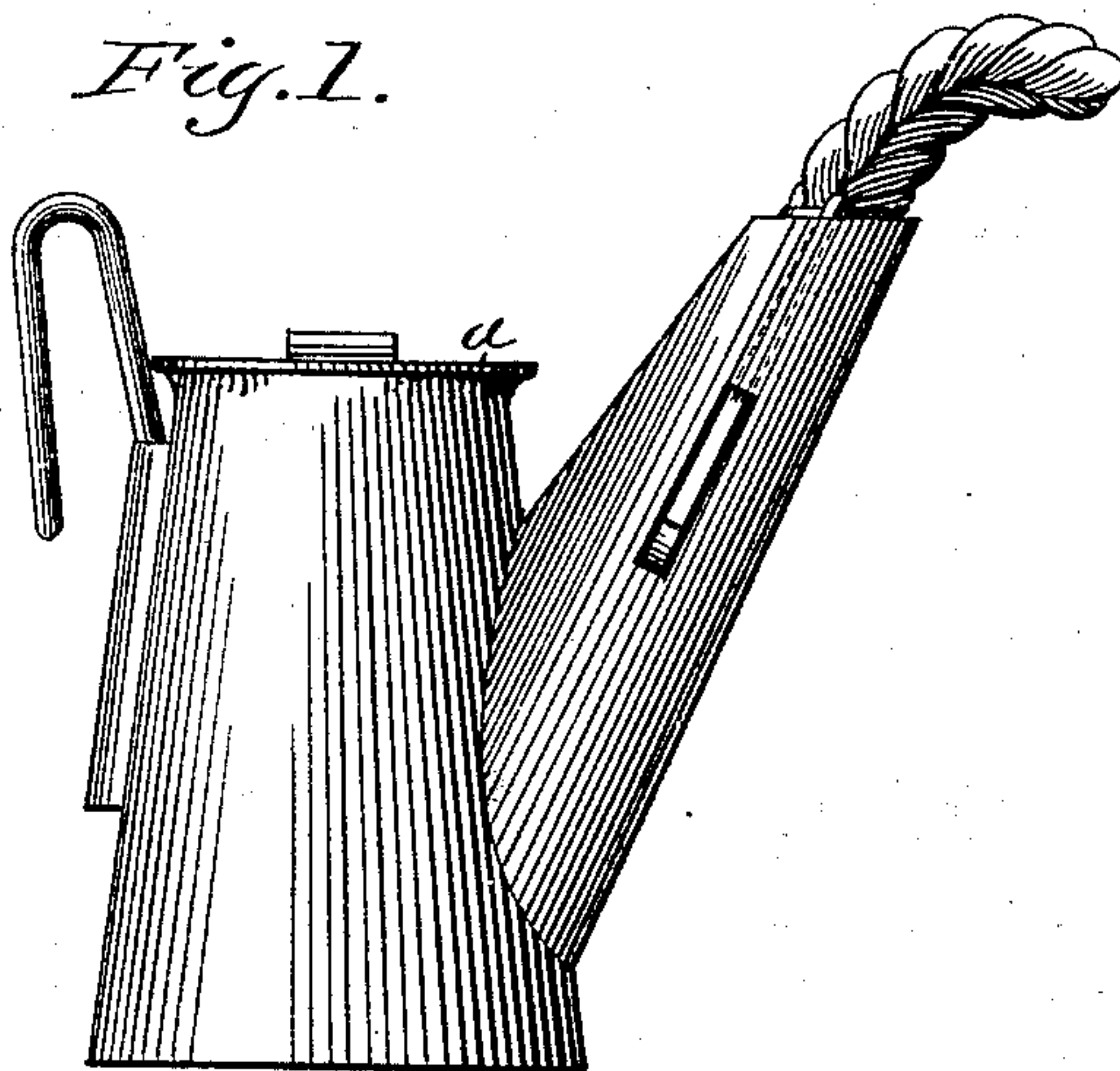
(Model.)

J. B. DEEDS & W. MACK.  
LID FOR MINERS' LAMPS.

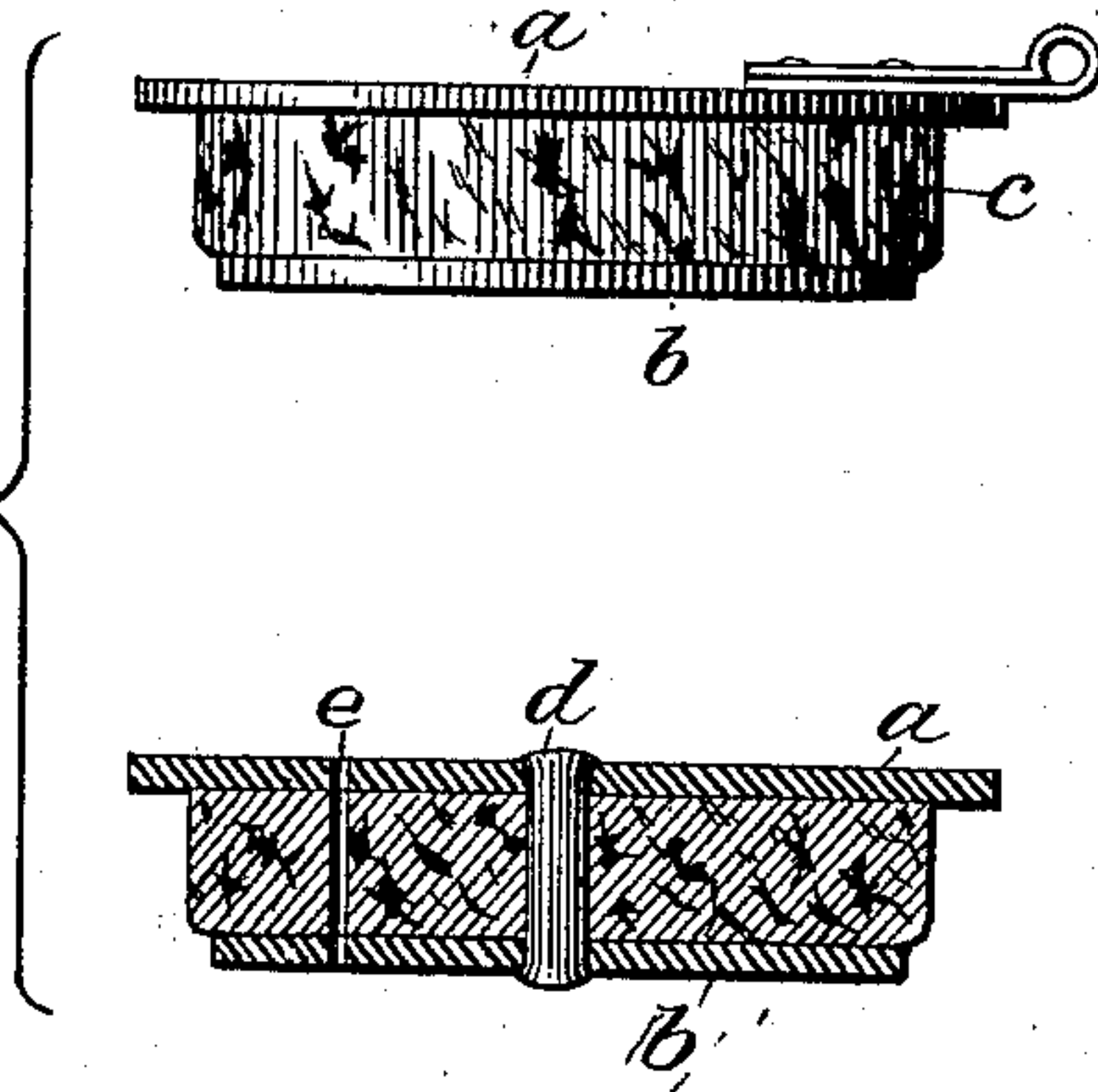
No. 281,846.

Patented July 24, 1883.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*Howay J. Huston*  
*Harry Danham*

*Inventor.*

*John B. Deeds*  
*William Mack*

# UNITED STATES PATENT OFFICE.

JOHN B. DEEDS AND WILLIAM MACK, OF TERRE HAUTE, INDIANA.

## LID FOR MINERS' LAMPS.

SPECIFICATION forming part of Letters Patent No. 281,846, dated July 24, 1883.

Application filed March 19, 1883. (Model.)

*To all whom it may concern:*

Be it known that we, JOHN B. DEEDS and WILLIAM MACK, of Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in the Lids for Miners' Lamps; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

Our invention has for its object to provide for an "oil-tight lid" for miners' and other similar lamps—one that will hold its place when shut, and not liable to cut and become smooth or loose, and in consequence fall off when in use.

Figure 1 is a lamp of ordinary form with our improved lid. Fig. 2 is the lid.

*a* is the upper disk, which is of metal and a little larger than the top of the lamp. *b* is the lower or bottom disk. It is of metal, and fits neatly but not tightly in the top of the lamp. *c* is a disk of cork, rubber, felt, or any flexible material, and is placed between the metal disk, and extends enough outside the rim of the lower disk to fit the mouth of the lamp tightly and make a complete stopper that will be oil-tight.

The middle disk is held firmly in place by means of a rivet, *d*, passing through the center and riveted on the outsides of the metal disks.

In case the cork or flexible disk should wear or become too small, it can be expanded by tightening the rivet. *e* is a hole in each metal disk, made opposite, through which the flexible disk may be punctured by a sharp instrument, which will admit the air and suffer but little, if any, oil to escape.

Instead of the disks being flat, the metal ones may be concave, in which case a ring of flexible material fitting on the outside of the convex parts of the disk and the rim, extending far enough to make a stopper, could be used instead of the entire disk of flexible material.

The lamp is made flaring at the top or opening, as shown, and the outer rim of the cork, at the bottom, is beveled, and is larger at the top, so that when it is pushed down in the lamp it will fit tightly therein.

Having thus described our invention, what we claim, and desire to secure Letters Patent on, is this:

1. In a miner's lamp or torch, the lamp having its top or opening made slightly flaring, in combination with the hinged lid and the supplemental lid or disk, said lid and disk being suitably held together, and having between them a packing of cork, and having holes therein opposite to each other, which communicate with a corresponding opening in the cork for the purpose of vent, substantially as set forth.

2. In a miner's lamp or torch, the lamp having its top or opening made slightly flaring, in combination with the hinged lid and the supplemental lid or disk, said lid and disk being suitably held together, and having between them a packing of cork, for the purpose described.

In testimony that we claim the foregoing as our own we hereunto affix our signatures in the presence of two witnesses.

JOHN B. DEEDS.  
WILLIAM MACK.

Witnesses:  
J. M. ALLEN,  
HARRY DONHAM.