

J. Q. LEE.
MINERS' LAMP.

No. 176,650.

Patented April 25, 1876:

Fig. 1

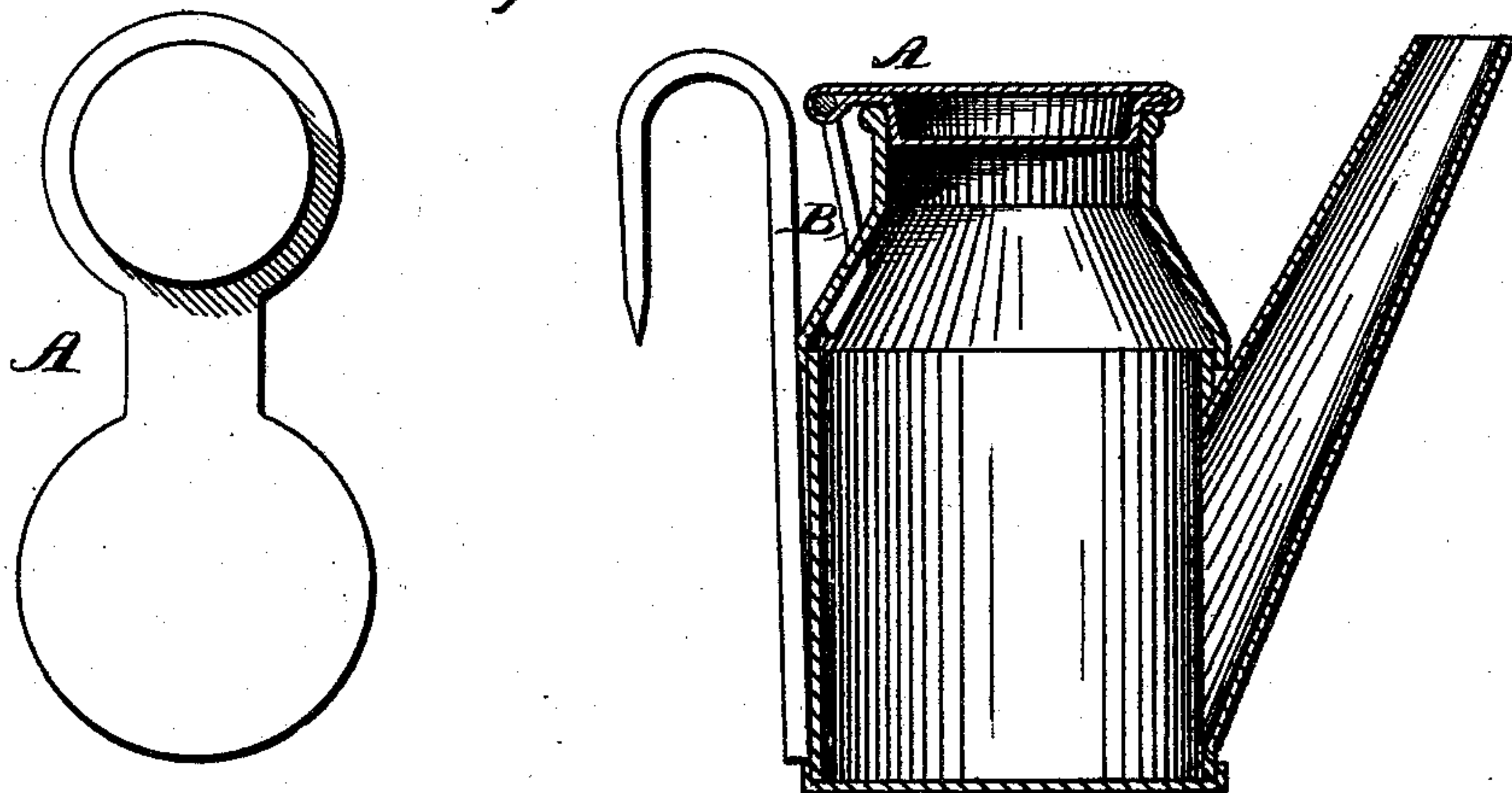


Fig. 2.

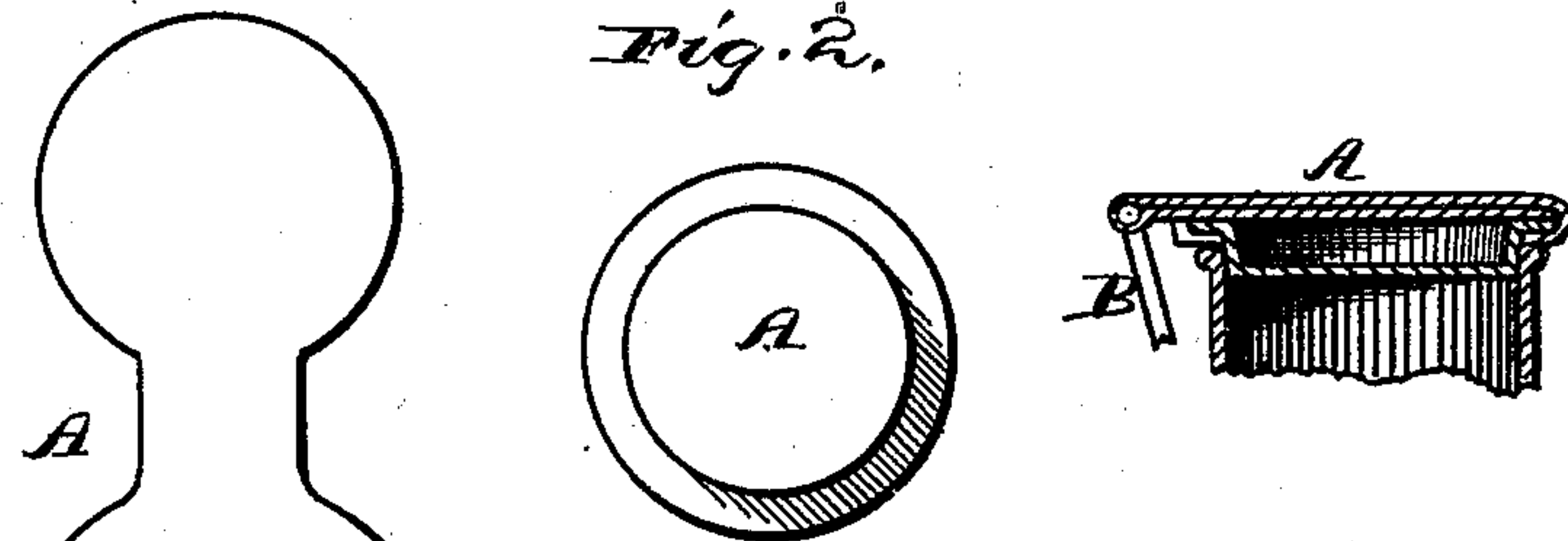
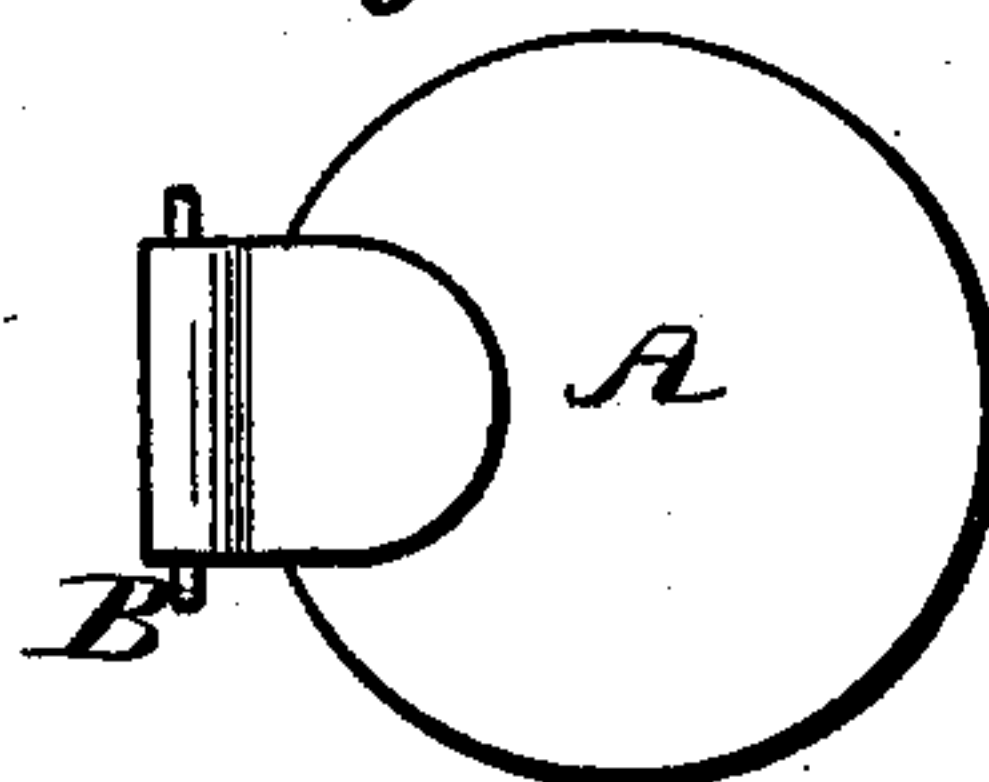


Fig. 3.



WITNESSES:

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IMPROVEMENT IN MINERS' LAMPS.

Specification forming part of Letters Patent No. **176,650**, dated April 25, 1876; application filed February 17, 1876.

To all whom it may concern:

Be it known that I, JOHN Q. LEE, of Plymouth, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Miners' Lamps, of which the following is a specification:

The nature of this invention is an improvement in miners' lamps; and consists in making and hinging the top to the lamp, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a section of the top of my lamp, also a blank top punched or cut out of one piece of sheet metal. Fig. 2 is a section of the top of my lamp, also blanks of sheet metal, being a modification of the plan shown in Fig. 1. Fig. 3 shows the ordinary soldering the hinge-strap of metal to the top of the lamp.

In these figures, A is the top of the lamp, and B the hinge. The top A is punched or cut from one piece of sheet metal. The part A¹ is larger in diameter than the part A², which is concave, or formed as shown by the section of the top in Figs. 1 and 2, and which may be attached thereto or be a part thereof. The part A¹ is turned up and over the projecting flanges a of the part A², securing the two parts together, thereby forming a top of two thicknesses, which are united without the use of solder.

The objection to soldering or to the use of solder is that when the lamp is exposed to a strong draft the flame from the spout is blown over the top and melts the solder, unhinges the top, and thereby renders the lamp useless.

B is the wire hinge passed through the eye in the top, then down through the inclined wall of the lamp, and clinched or otherwise secured therein. The eye of the top is formed by the connecting-piece, as shown by the blank top in Fig. 1.

The conformation of this device is such that a very strong and secure top is fitted to the lamp.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A lamp-top composed of two thicknesses, and united by having one piece turned up and over the projecting flanges of the other, thereby dispensing with the use of solder, as described.

2. A lamp-top, A, punched or cut from one sheet of metal, in combination with a hinge, B, substantially in the manner and for the purposes set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

JOHN Q. LEE.

Witnesses:

JOHN HUMMEL,
WM. G. ENO.