

No. 626,001.

Patented May 30, 1899.

P. J. CREEDEN.
BICYCLE LANTERN.

(Application filed Feb. 21, 1898.)

(No Model.)

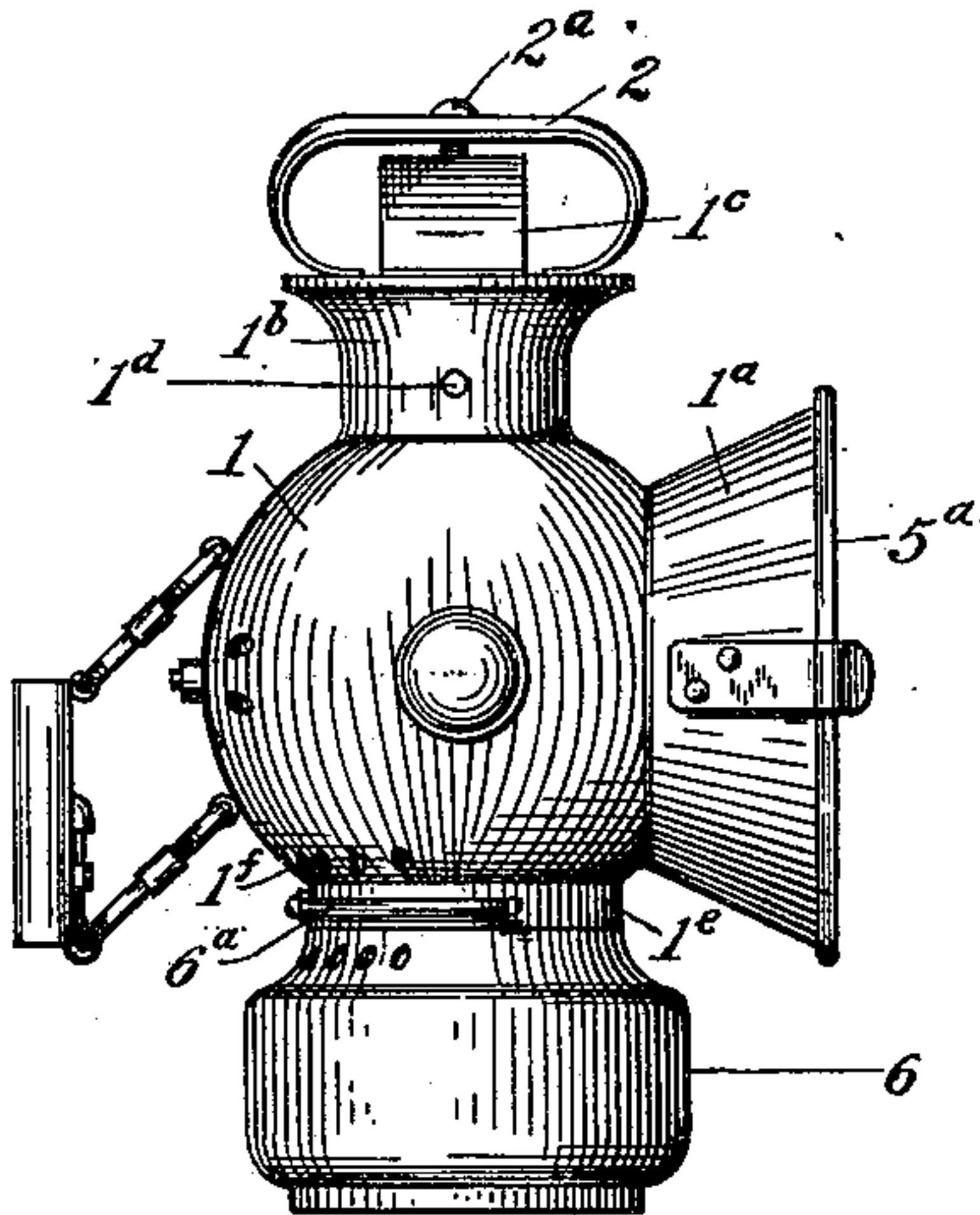


Fig. 1

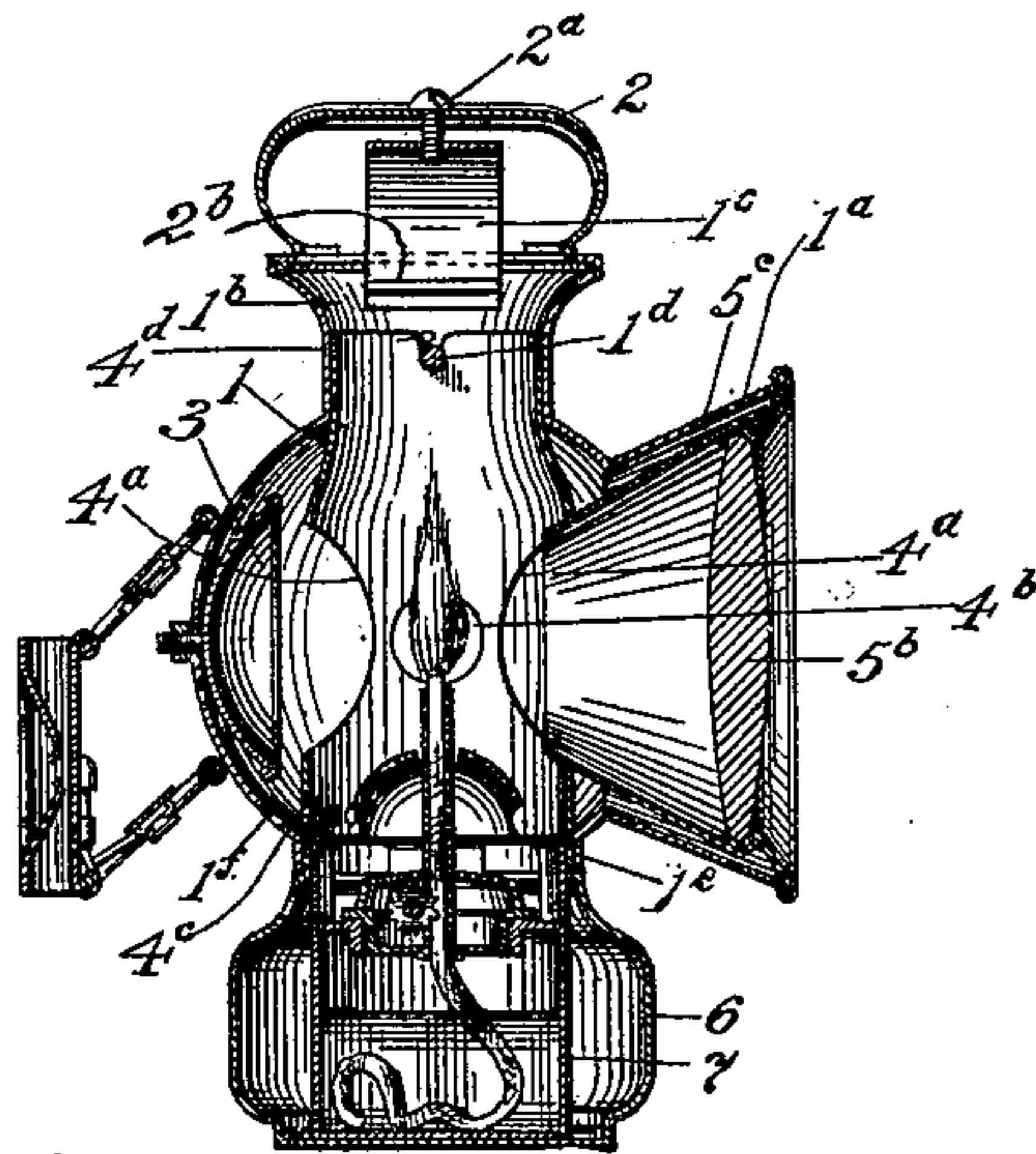


Fig. 2

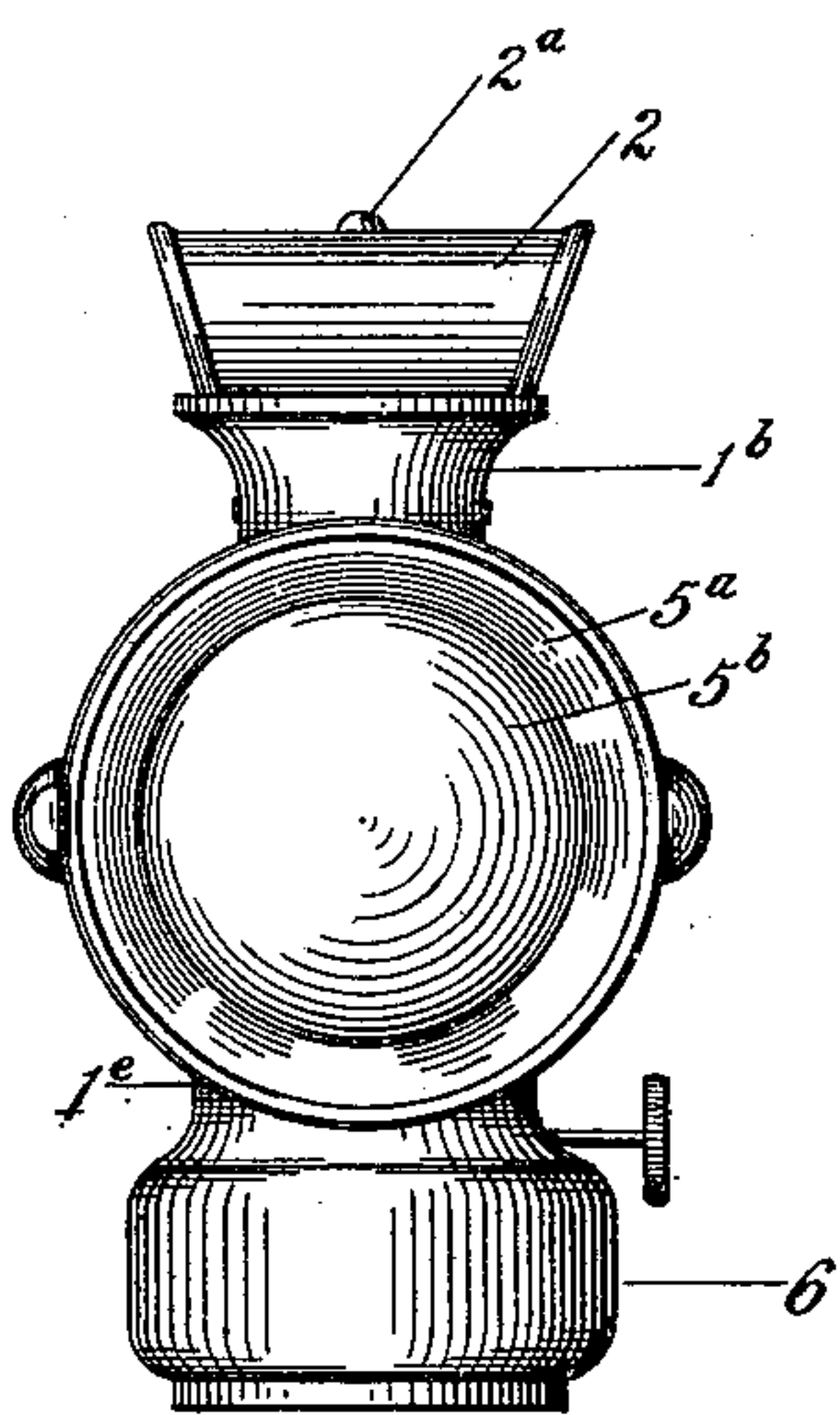


Fig. 3

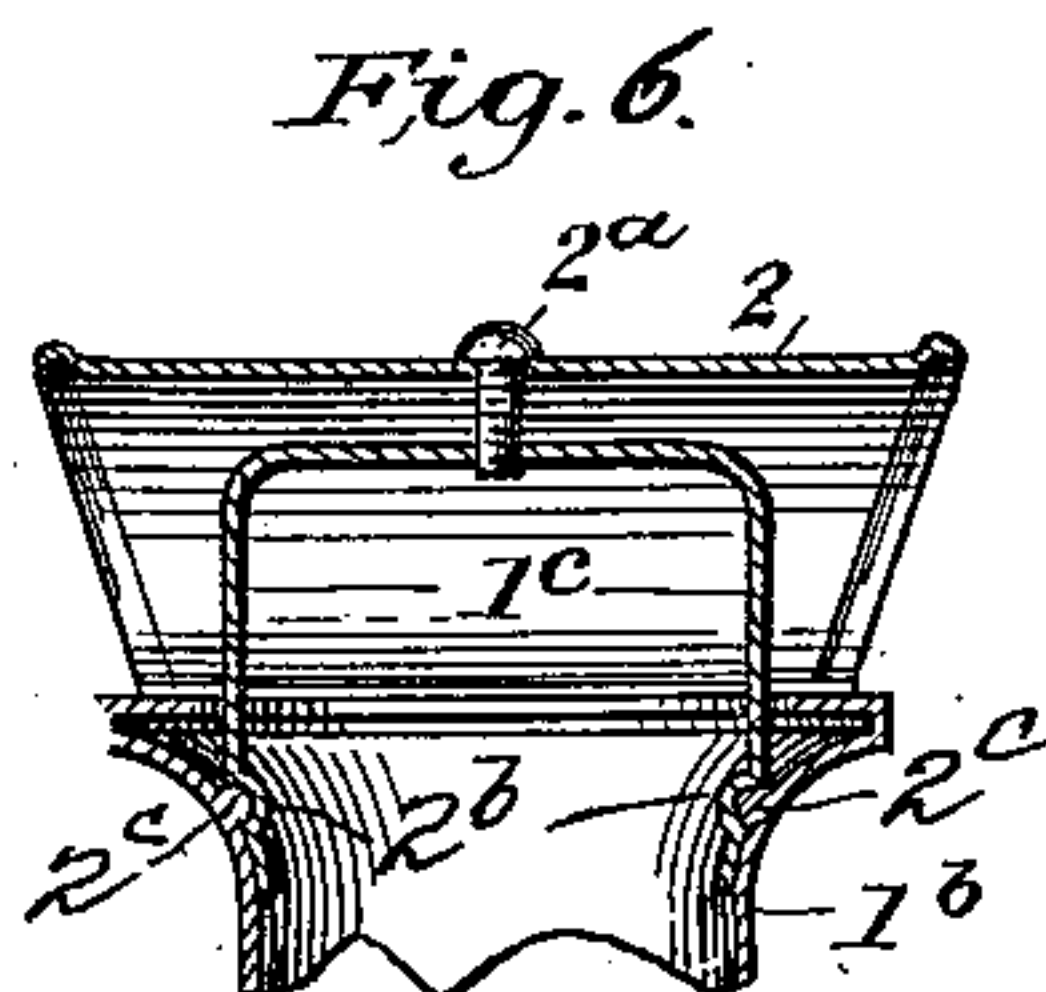


Fig. 4

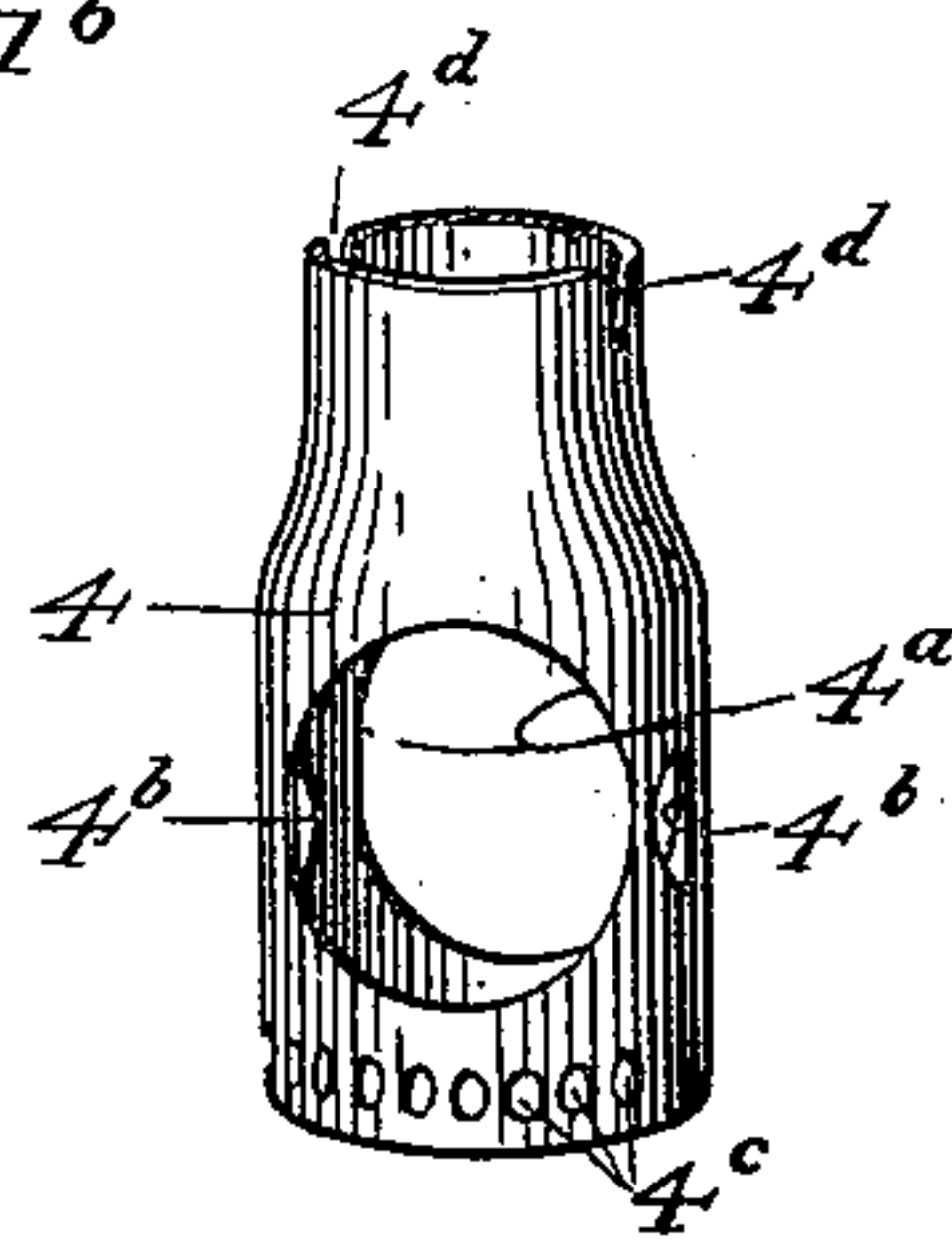


Fig. 5

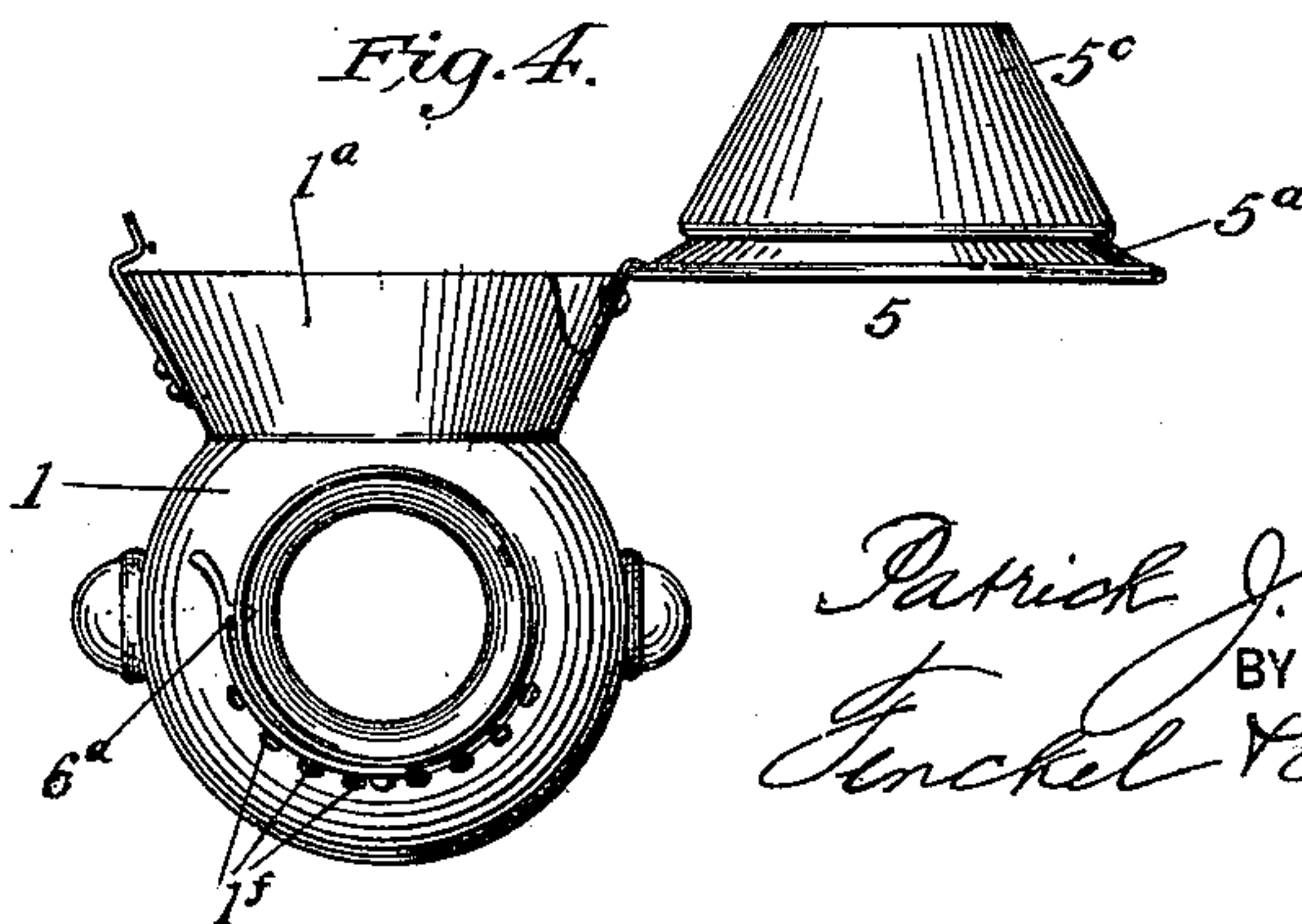


Fig. 6

WITNESSES:

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BICYCLE-LANTERN.

SPECIFICATION forming part of Letters Patent No. 626,001, dated May 30, 1899.

Application filed February 21, 1898. Serial No. 671,144. (No model.)

To all whom it may concern:

Be it known that I, PATRICK J. CREEDEN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Bicycle-Lanterns; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of my invention is to provide an improved combination of parts constituting a bicycle-lamp of simple and economical construction which shall not be so liable to become smoked and soiled as those heretofore proposed and which may be readily taken apart for cleansing and for supplying with illuminating-oil.

In the accompanying drawings, Figure 1 is a view in side elevation of a lamp embodying my improvements. Fig. 2 is a central vertical sectional view; Fig. 3, a front view. Fig. 4 is a bottom plan view, the receptacle for the oil-cup being removed. Fig. 5 is a perspective view of the chimney removed from the lamp. Fig. 6 is a detail view of the arch and removable cover.

The body 1 of the lamp is shown to be mainly spherical in form, with a flaring opening 1^a at its front side. The upper side of the body is also provided with a flared opening 1^b, and this has an arched portion 1^c, held in place by pressing the bends 2^b into engagement with lugs 2^c, and to which is fastened, by means of a screw 2^a, a cover 2 to prevent rain from entering the opening and extinguishing the lamp.

Within the lamp and fastened by means of a screw and nut on the rear wall thereof is a reflector 3. Within the lamp is also placed removably a chimney 4, of the form shown in Fig. 5—that is, having in its lower portion large diametrically opposite holes 4^a and small diametrically opposite holes 4^b and a number of small draft-holes 4^c near the lower edge of the rear side. The upper portion of this chimney may have notches 4^d to engage a pin 1^d, extending through the neck of the flared portion at the upper side of the body of the lamp. The door 5, which is shown to be hinged to the lamp, consists of a flaring

ring 5^a, the outer edge of which fits upon the edge of the flared mouth at the front side of the lamp, and a refracting glass 5^b, secured in said ring; but in addition to the ring and glass I have provided a hollow reflecting-cone 5^c, consisting of sheet metal highly polished on its inner side. This cone is secured at its large end upon the inner side of the ring 5^a, and when the door is closed the smaller end of the cone projects into the front of the larger openings 4^a in the chimney and by its contact therewith holds the same in position when the oil-reservoir is removed.

In my lamp I provide an independent receptacle 6 to receive the oil-reservoir 7, and this receptacle is secured to a projecting ring 1^e by means of a bayonet-joint; but at one part of the joint I employ a spring-catch 6^a, having a pin to engage a hole in the ring 1^e and a finger-piece by means of which it may be lifted to permit the removal of the receptacle and lamp.

The door or bull's-eye instead of being locked by a spring-lock may be constructed to be screwed into its place at the front side of the lamp.

Draft-holes 1^f for supplying air to the burner are provided in the lower rear side of the body of the lamp.

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

In a lamp, the combination of a body portion 1, a removable chimney 4 having openings 4^a at its front and rear sides and slots 4^d at its upper end, a door having a hollow cone 5^c adapted to enter the front opening of the chimney to hold the same in position, an oil-reservoir 7, an independent receptacle 6 to removably receive the reservoir and detachably connected with the body portion 1, a pin 1^d in the upper end of the portion to engage slots 4^d to hold the chimney from rotation, arched portion 1^c arranged across the smoke-outlet, and a cover 2 removably secured to the arch, substantially as shown and described.

In witness whereof I have hereunto affixed my signature in the presence of two witnesses.

PATRICK J. CREEDEN.

Witnesses:

GEORGE M. FINCKEL,
GEORGE W. ALFRED.