

No. 742,568.

PATENTED OCT. 27, 1903.

J. L. BLACK.  
INCANDESCENT GAS LAMP FIXTURE.  
APPLICATION FILED MAR. 3, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

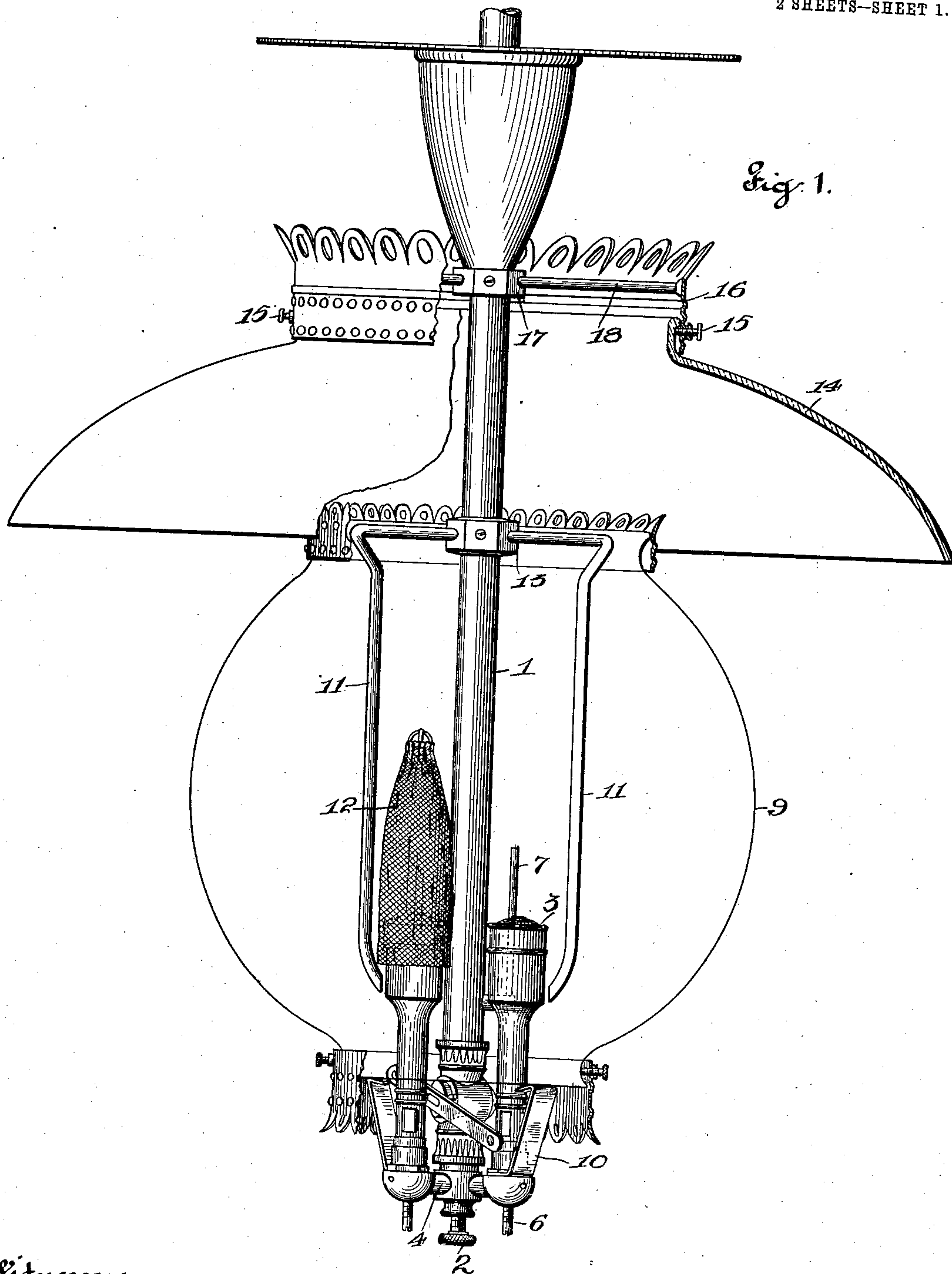


Fig. 1.

Witnesses  
Alfred W. Ecker  
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2 SHEETS—SHEET 2.

Fig. 2.

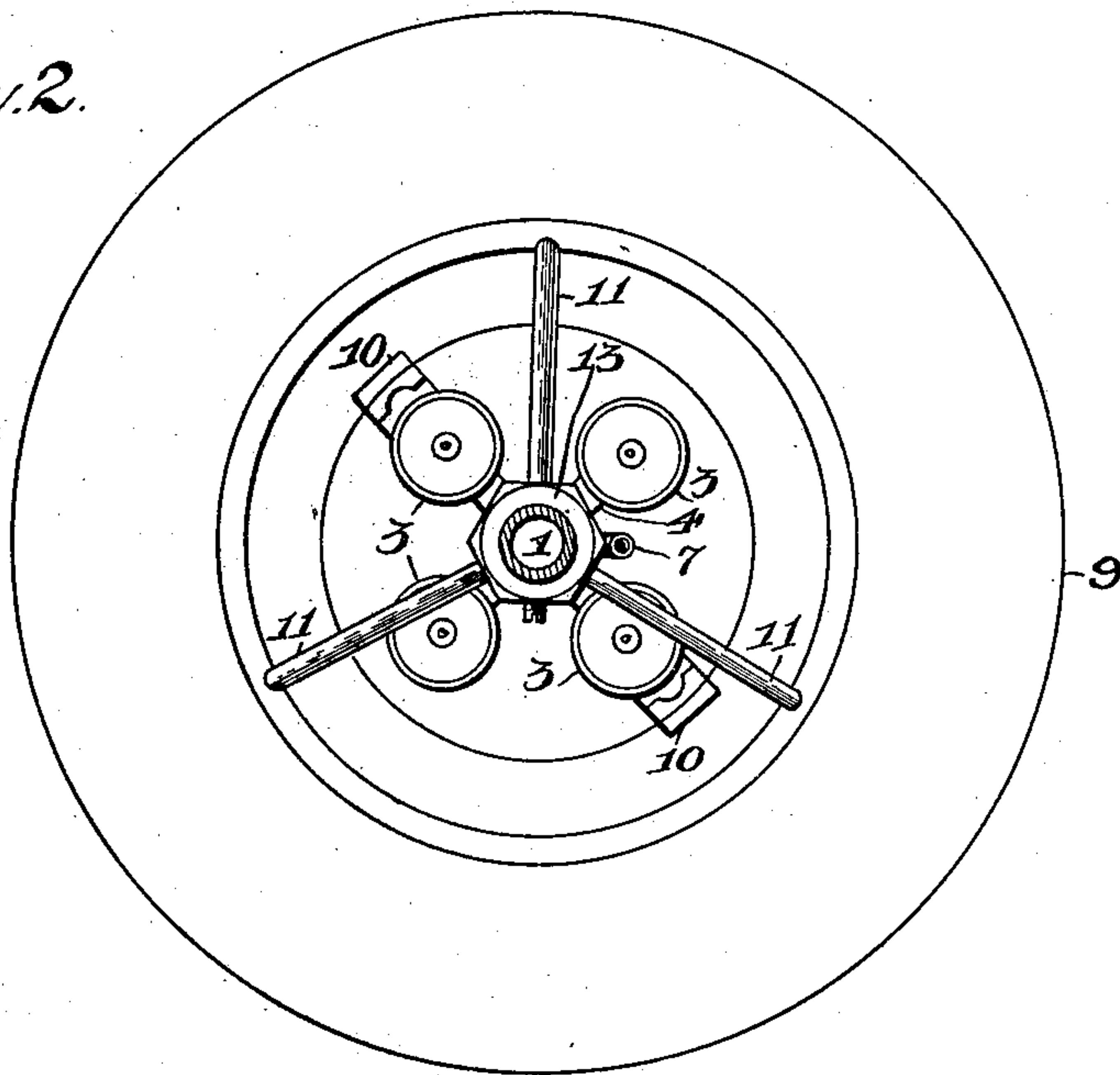


Fig. 3.

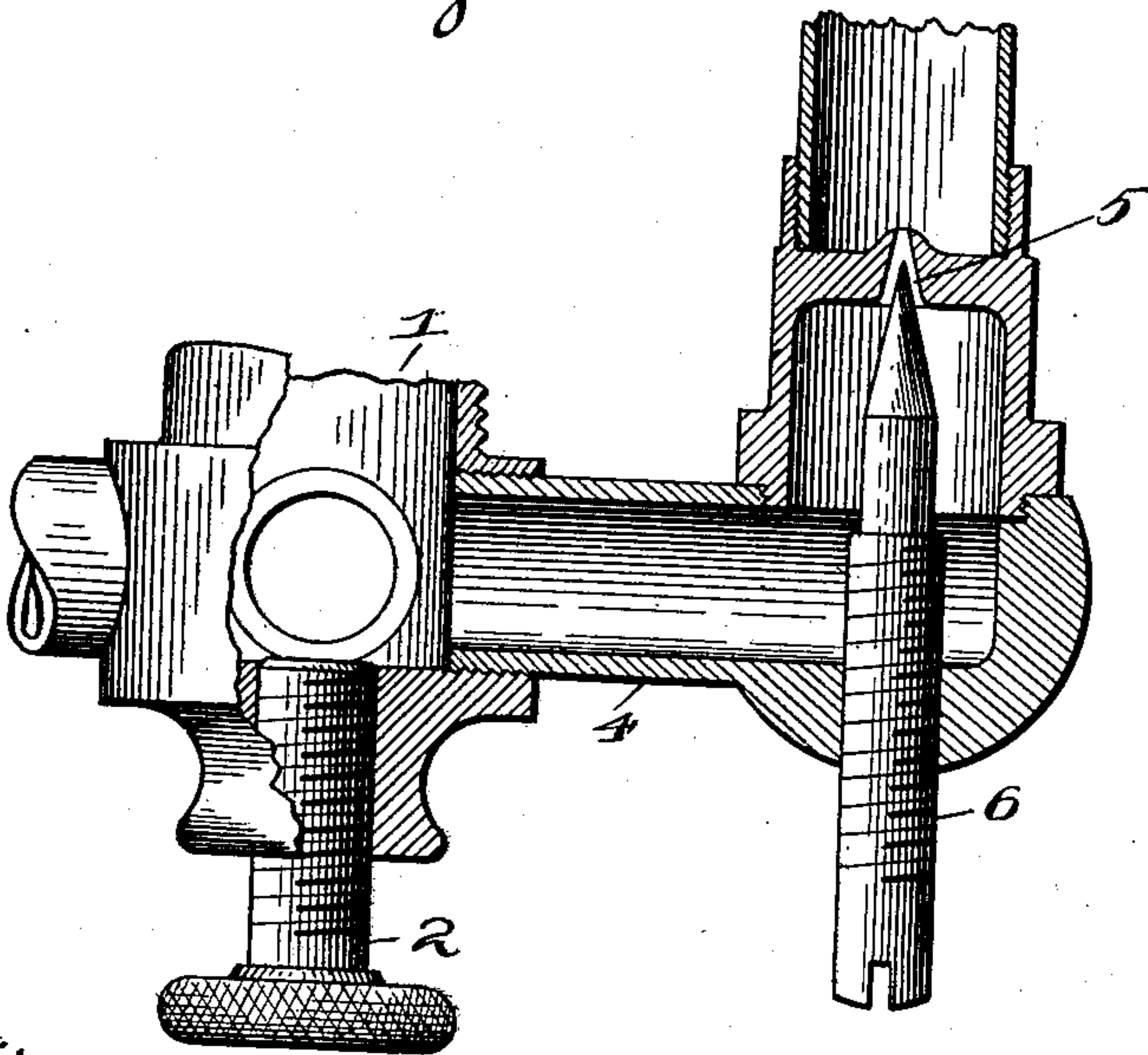
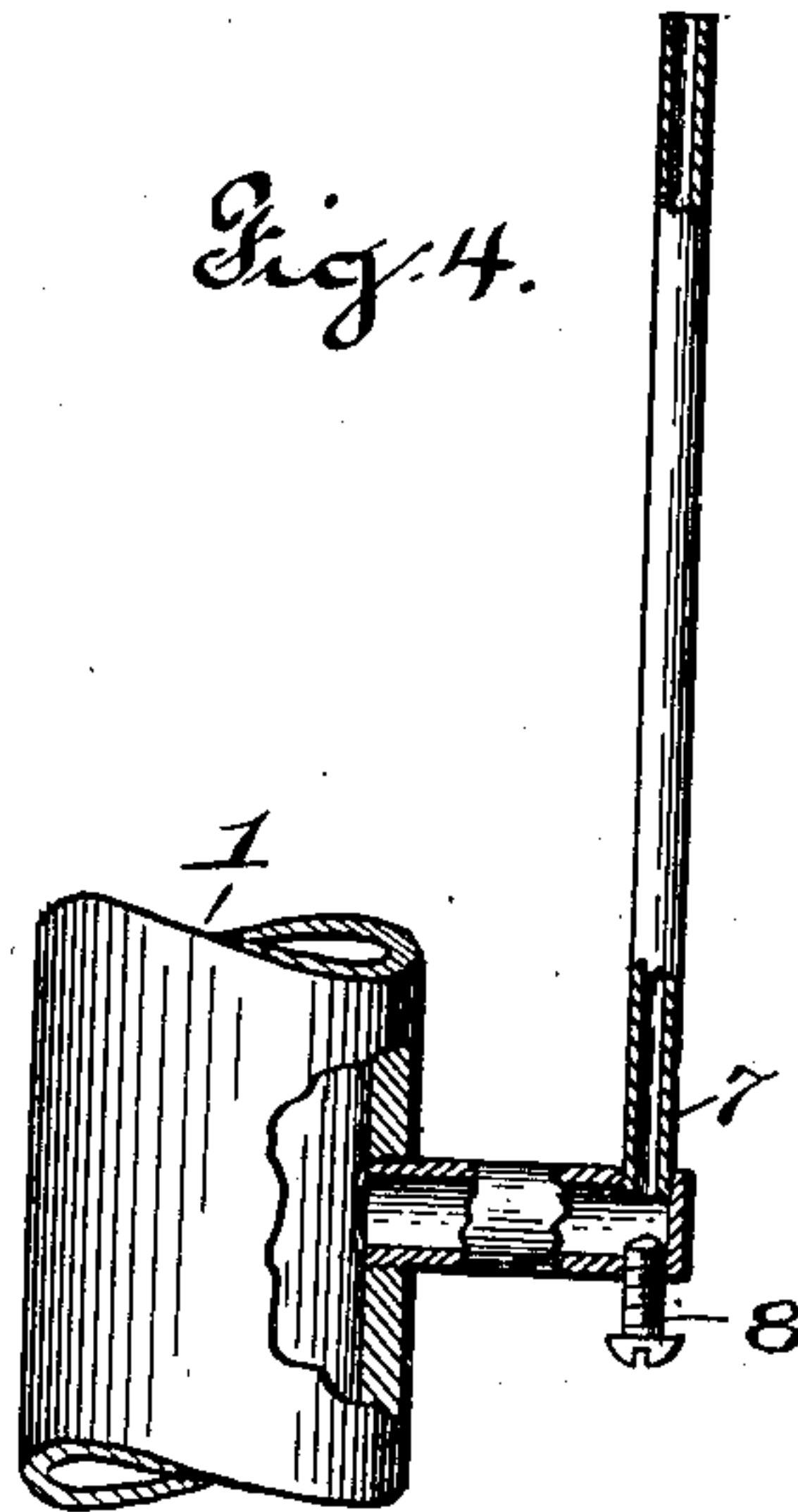


Fig. 4.



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# UNITED STATES PATENT OFFICE.

JOHN L. BLACK, OF ST. LOUIS, MISSOURI, ASSIGNOR TO AMERICAN LAMP COMPANY, OF ST. LOUIS, MISSOURI, A CORPORATION OF MISSOURI.

## INCANDESCENT-GAS-LAMP FIXTURE.

SPECIFICATION forming part of Letters Patent No. 742,568, dated October 27, 1903.

Application filed March 3, 1903. Serial No. 146,018. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN L. BLACK, a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in Incandescent-Gas-Lamp Fixtures, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in incandescent-gas-lamp fixtures, and has for its object to provide a fixture of the class named which may be readily cleaned, in which the flow of gas to the burners is controlled by valves which may be regulated without removing the globe, in which the globe is guided to its seat by means of guide-rods which protect the mantles from contact with and injury from the globe, and which is provided with a globe and a shade and means whereby they may be secured or removed at will.

In the drawings, Figure 1 is a side view of a fixture embodying my invention, showing parts broken away. Fig. 2 is a top view of the same. Fig. 3 is a transverse vertical view, partly in section, showing the base of the feed-pipe, one of the burners, and their attachments. Fig. 4 is a detail showing the lighting-tube, its point of attachment to the feed-pipe, and the valve regulating the flow of gas into the lighting-tube, parts being shown in section.

In the form of my invention shown in the drawings the central feed-pipe 1 supports the structure and is provided at its lower extremity with the removable screw-plug 2, which may be removed for the purpose of cleaning the feed-pipe 1. The burners 3 are mounted upon the feed-pipe 1 by means of the horizontal pipe-sections 4, which are seated in the feed-pipe 1, as shown in section in Fig. 3. Intermediate of their length the burners 3 are provided with conical inlet-openings 5, which are adapted to receive the needle-point valves 6 in order to regulate the flow of gas to the burner. The lighting-tube 7 is mounted vertically upon the feed-pipe 1 and parallel therewith, as shown in detail in Fig. 4, and is provided with the valve-screw 8 to regulate the flow of gas through it.

In order to provide for the ready removal of the globe 9, I have provided a plurality of spring-catches 10 of the form shown in Fig. 1, mounted upon the outer side of the burners 3 at their bases and adapted to permit the globe 9 to be thrust around and past them vertically and to catch and hold the same when in place, as shown in Fig. 1. In order to guide the globe 9 to its seat and to hold it vertically when in position, I have provided the guide-rods 11 of the form shown in Fig. 1 extending vertically from a point below the mantles 12 to a point in or near the plane of the top of the globe when in position, thence inward horizontally to the nut 13, into which they are secured. When it is desired to remove the globe 9, the spring-catches 10 are depressed toward the feed-pipe 1 and the globe 9 is permitted to drop from the fixture by its own weight. Above the top of the globe 9 I have provided the shade 14, which is held in position by the set-screws 15 in the collar 16, which is mounted upon the nut 17 by means of rods 18.

It will thus be seen that I have provided a simple and inexpensive fixture in which the mantles are protected from accidental injury, in which the flow of gas to the burners and to the lighting-tube may be regulated from beneath the fixture and without removing the globe, and in which the feed-pipe may be cleaned without removal of the globe.

Having fully described my invention, what I claim as new, and desire to have secured to me by the grant of Letters Patent, is—

In a device of the class named, a feed-pipe, a plurality of flat springs mounted at the base of the feed-pipe provided with flanges at their upper ends adapted to receive and hold the base of the globe, and vertical guide-bars mounted on the feed-pipe at a point in the plane of the top of the globe when in position, and adapted to guide the globe to its seat, substantially as described.

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

JOHN L. BLACK.

Witnesses:

ALFRED A. EICKS,  
M. G. IRION.