

No. 868,523.

PATENTED OCT. 15, 1907.

F. B. PARKER & W. D. JONES.

LAMP PLUG.

APPLICATION FILED JULY 12, 1906.

2 SHEETS—SHEET 1.

FIG. 1.

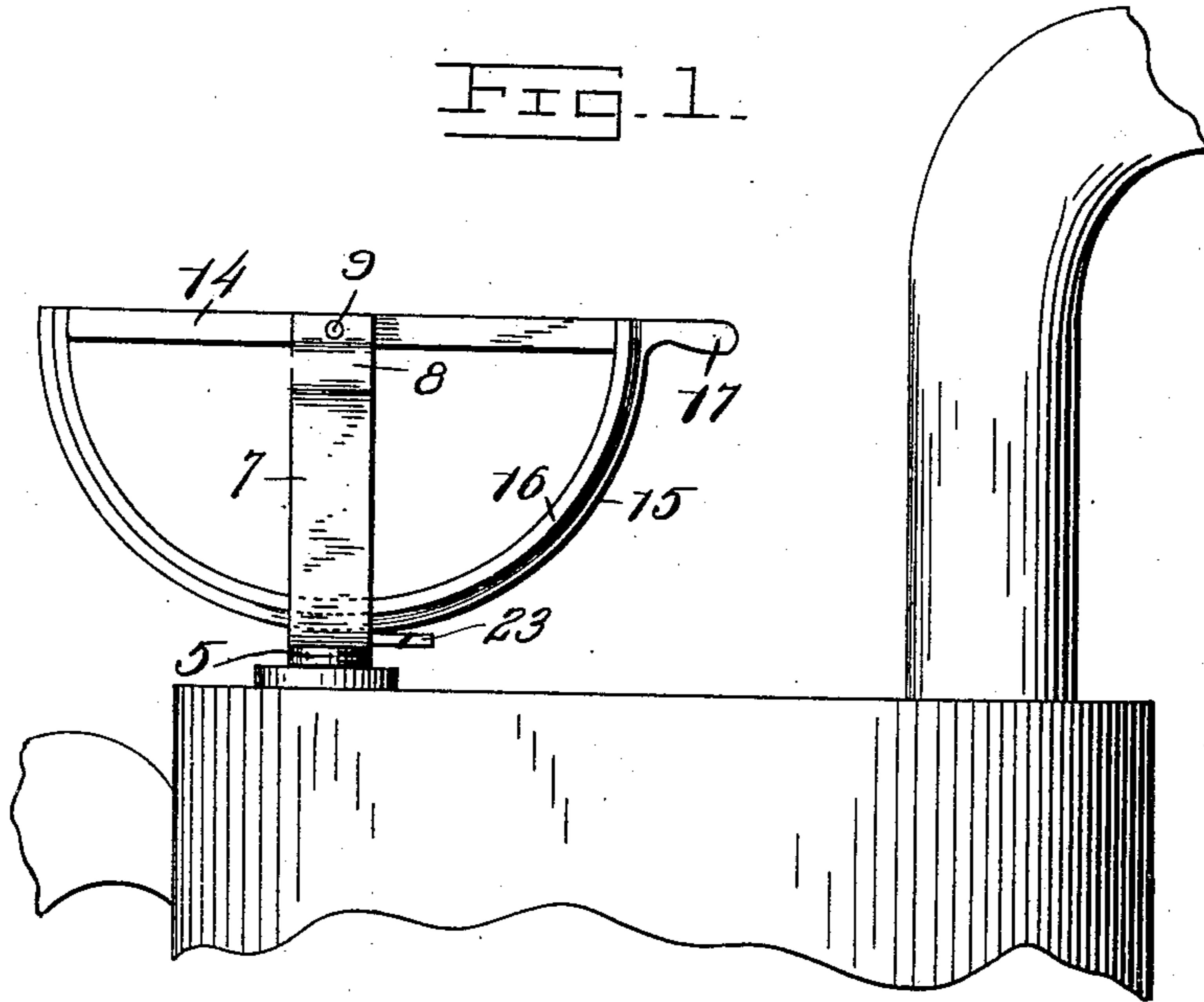
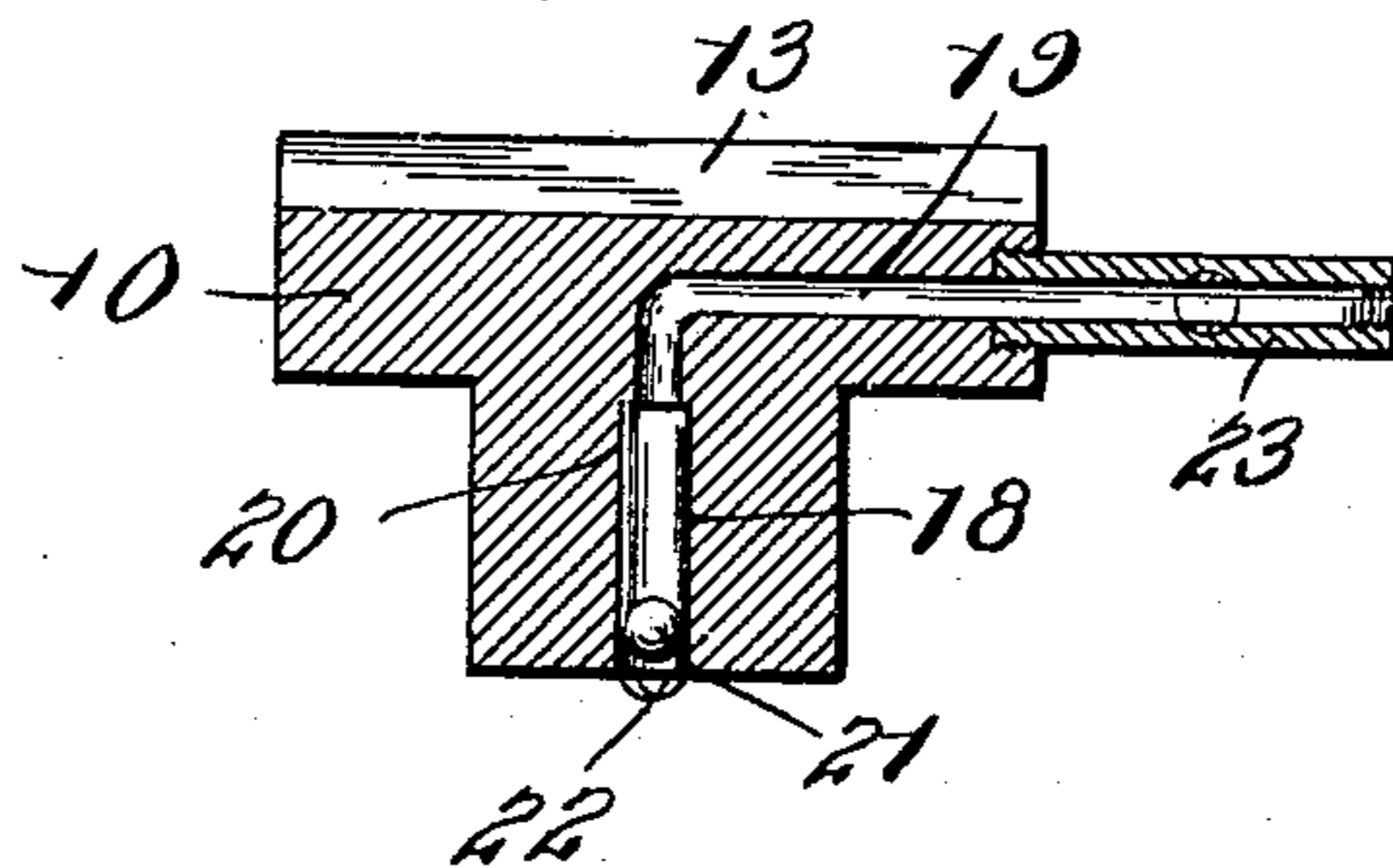


FIG. 2.



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2 SHEETS—SHEET 2.

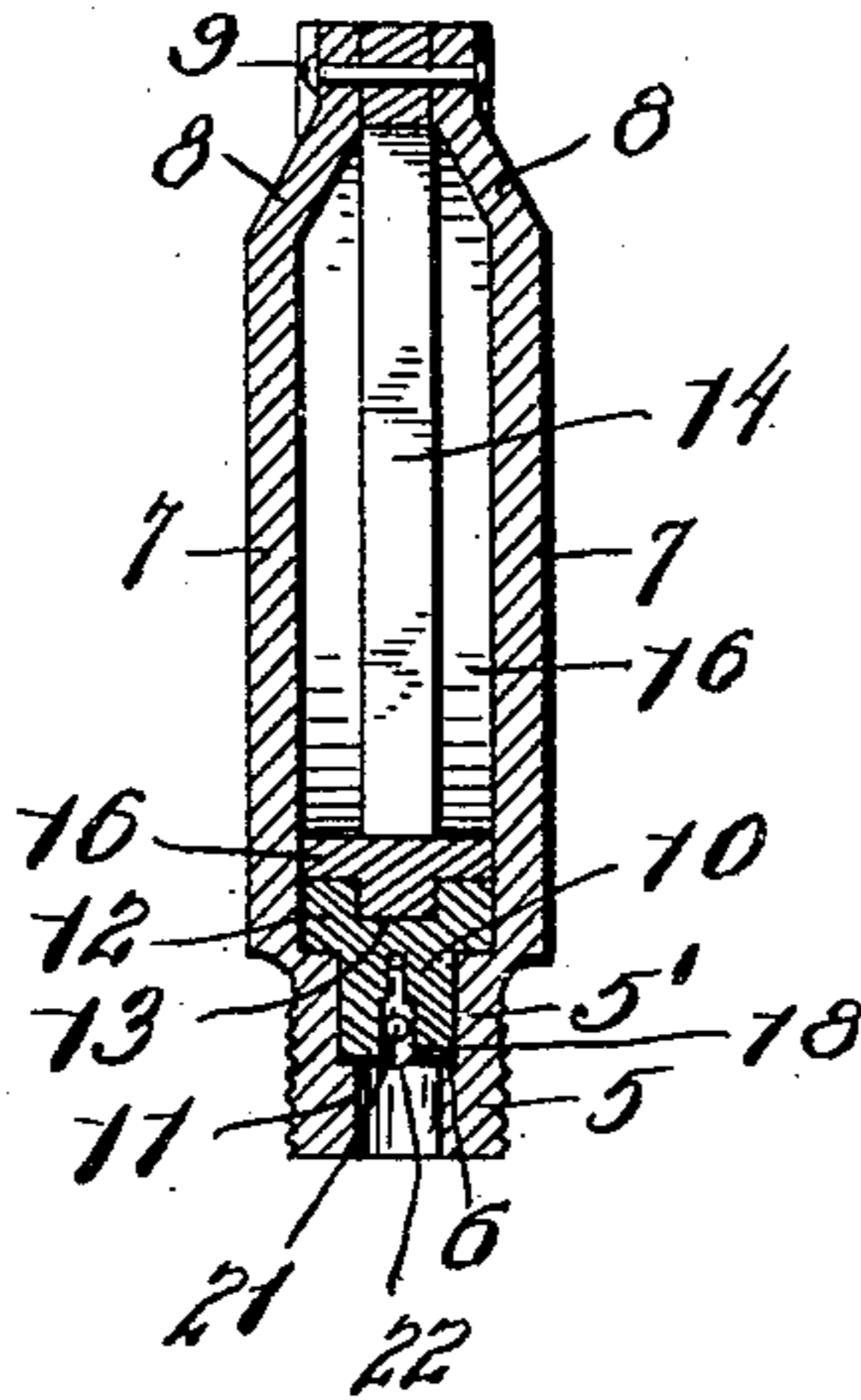


Fig. 3.

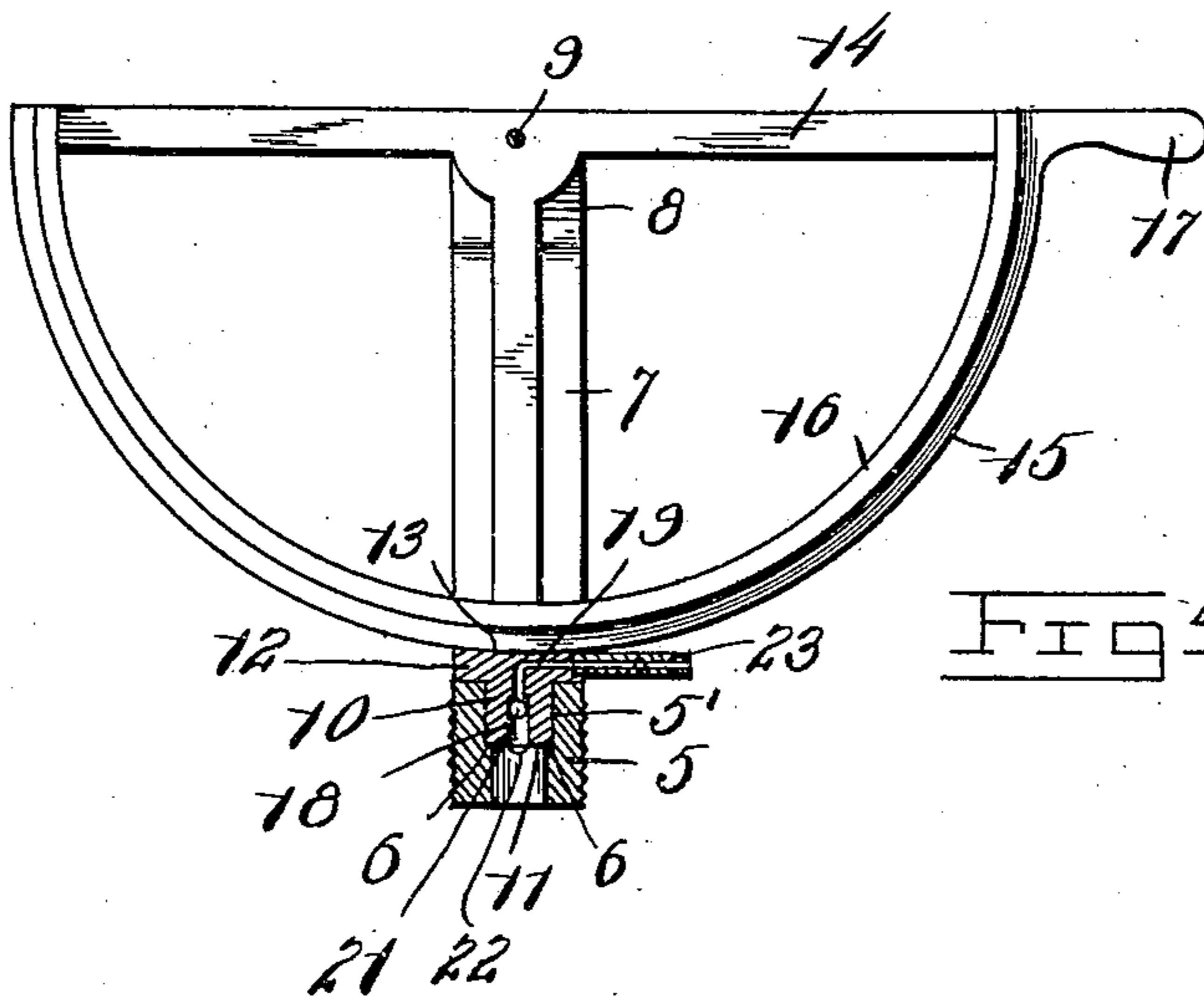


Fig. 4.

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UNITED STATES PATENT OFFICE.

FLOYD B. PARKER AND WILLIAM DAVID JONES, OF CLARKSBURG, OHIO.

LAMP-PLUG.

No. 868,523.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed July 12, 1906. Serial No. 325,978.

To all whom it may concern:

Be it known that we, FLOYD B. PARKER and WILLIAM D. JONES, citizens of the United States, residing at Clarksburg, in the county of Ross and State of Ohio, have invented certain new and useful Improvements in Lamp-Plugs; and we 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.

This invention relates to lamps and more particularly to plugs therefor, and has for its object to provide a plug especially adapted for use in lamps using fuel under pressure, which will include a removable closing member and means for holding the member in operative position without the use of threads or other parts likely to become worn.

Another object is to provide a plug which can be used in connection with lamps of common use.

Other objects and advantages will be apparent from the following description and it will be understood that I do not desire to be limited to the specific structure shown and described, as various modifications will occur to one skilled in the art.

In the drawings forming a portion of the specification and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a view showing a lamp reservoir provided with the present invention. Fig. 2 is a perspective view of the plug removed, and somewhat enlarged. Fig. 3 is a section of the plug taken through the arms on line 3—3 of Fig. 2. Fig. 4 is a section on the line 4—4 of Fig. 3.

Referring now to the drawings, the present invention comprises a threaded sleeve 5 adapted for engagement in the usual threaded oil opening of a lamp. The sleeve 5 has the upper portion of its passage enlarged, as shown at 5', to form an upwardly directed shoulder 6, and extending upwardly from the sleeve at diametrically opposite points thereof there are a pair of spaced arms 7 having their upper portions offset toward each other, as shown at 8, and perforated for the reception of a horizontal pivot pin 9.

A closure 10 is provided for the passage of the sleeve 5 and consists of a cylindrical member adapted for engagement of its lower portion in the enlarged portion 5' of the passage, to rest upon the shoulder 6, and a washer 11 is engaged between the shoulder and the lower end of the closure. The upper portion of the closure is enlarged as shown at 12, to extend outwardly over the

upper surface of the sleeve 5, and the closure has a diametrically extending groove 13 in its upper surface.

A cam member 14 is pivoted upon the pin 9 to bring its cam surface 15 into and out of engagement with the closure 10, and the cam member is arranged to enter the groove 13 and has laterally extending flanges 16 which rest upon the upper surface of the closure at the sides of the groove. A finger-piece 17 is carried by the cam member at one end, and may be grasped to move this member.

The closure 10 has a vertical passage 18 open through its lower end and turned laterally at its upper portion, as at 19, this portion extending beneath and parallel with the groove 13. The lower portion of the passage 18 is enlarged to form a downwardly directed valve-seat 20 and a ball-valve 21 is located in the passage for movement into the seat, this ball lying normally out of the seat, as will be readily understood and being held in the passage by a cage 22, located at the lower end thereof. A turn-plug 23 is connected with the closure at the outer end of the portion 19 of the passage, and is adapted for the connection of a pump thereto to force air into the lamp reservoir, as will be readily understood.

It will be readily seen that the closure 10 may be easily and quickly removed or placed in position, and that by reason of the fact that the turn-plug 23 extends longitudinally of the groove 13, the positioning of this turn-plug to extend outwardly from between the arms 7 results in correct positioning of the closure 10 to receive the cam member in its groove.

What is claimed, is:—

A plug for lamps provided with a threaded sleeve adapted for engagement in the oil opening of a lamp reservoir, said sleeve having the upper portion of its passage enlarged, a closure having a portion engaged in the enlarged portion of the passage to close the latter, and having an upper portion extending over the sleeve beyond the passage, said closure having a groove in its upper surface, upwardly extending arms carried by the sleeve, a cam member pivoted between the arms for movement into and out of the groove of the closure to hold the latter in position, said member having flanges arranged to engage the surface of the closure at opposite sides of the groove when the cam member is in the groove, said closure having an air passage therethrough, and a valve for the passage.

In testimony whereof, I affix my signature, in presence of two witnesses.

FLOYD B. PARKER.
WILLIAM DAVID JONES.

Witnesses:
O. M. HOWSER,
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