No. 627,955. Patented June 27, 1899.

A. & W. F. DOSS.

PORTABLE ELECTRIC LAMP.

(Application filed Aug. 1, 1898.)

(No Model.)

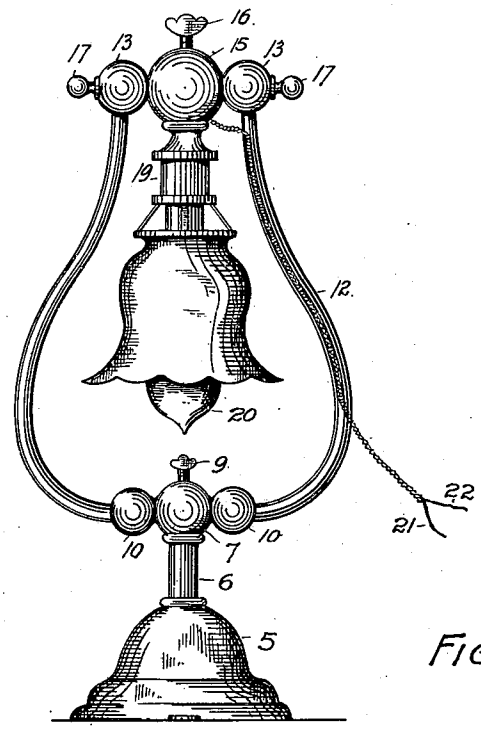


FIG. 1.

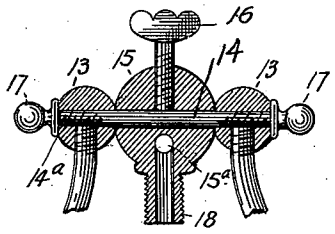
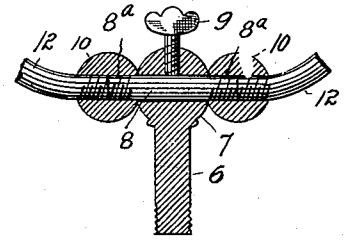


FIG. 2.



Witnesses
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By the Attorney

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UNITED STATES PATENT OFFICE.

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PORTABLE ELECTRIC LAMP.

SPECIFICATION forming part of Letters Patent No. 627,955, dated June 27, 1899.

Application filed August 1, 1898. Serial No. 687,468. (No model.)

To all whom it may concern:

Be it known that we, ALBERT DOSS and WILLIAM F. DOSS, citizens of the United States of America, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Portable Electric Lamps; and we do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to improvements in portable electric lamps, our object being to provide a device of this class which shall be adjustable to assume a great variety of positions, thus answering every possible demand for a lamp of this class. Our further object is to provide a lamp which shall be simple in construction, economical in cost, and reliable, durable, and efficient in use; and to these ends the invention consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 is a side elevation of our improved lamp. Fig. 2 is a fragmentary view illustrating the adjustable features, which are shown in section.

Similar reference characters indicate corresponding parts in the views.

Let the numeral 5 designate the base of the lamp, into the top of which is screwed a stem 6, whose upper extremity is formed with a ball 7, through which is formed a horizontal opening. In this opening is inserted a spindle 8, adapted to turn freely in the ball 7 for the purpose of adjustment. In a threaded opening formed in the top of the ball and intersecting the horizontal opening is inserted a set-screw 9, adapted to engage the spindle and lock it in any desired position of adjustment. The protruding extremities 8^a of the spindle are threaded, and upon them are screwed balls 10. The extremities 8^a of the spindle pass about half-way through the threaded openings in the balls 10. Into the outer portion of the balls 10 are screwed the lower inwardly-turned extremities of the side frame-bars 12, whose upper extremities are screwed into openings formed in balls 13, which are screwed upon the horizontal protruding extremities 14^a of a spindle 14, adapted to turn in an unthreaded opening formed in a ball 15. A set-screw 16, inserted in an opening formed in the ball 15, is adapted to engage the spindle 14 and lock it in any desired position of adjustment. The extremities 14^a project beyond the balls 13, and upon them are screwed ornamental tips 17. The ball 15 is provided with a hollow stud 18, projecting therefrom. To this stud is attached the socket 19 of the incandescent electric lamp 20. The conductors 21 and 22, connected with the electrical source, are attached to one of the frame-bars 12 and enter an opening 15^a, formed in the ball 15, whence they pass through the stud 18 to the socket of the lamp.

It is evident from the construction as heretofore set forth that our improved lamp is capable of great adjustability. The side frame-bars 12 are bowed outwardly, leaving a space between them greater than the diameter of the base 5. Hence the frame-bars and the spindle upon which the electric lamp is mounted may make a complete rotation around the base on the spindle 8. By the use of the set-screw 9 the frame-bars may be locked on the spindle 8 in any desired position as they are turned around the base of the lamp. The socket carrying the incandescent lamp may be turned around the spindle 14 and locked thereon in any position assumed during its revolution. It is evident that by means of these two features the lamp proper may be made to assume a great variety of positions.

Having thus described our invention, what we claim is—

1. A portable lamp comprising a support, a lamp proper, and two arms revolubly connected with the lamp at one extremity and with the support at the opposite extremity.

2. A portable lamp comprising a support, the lamp proper, two arms one extremity of each being revolubly connected with the support and the other extremity of each revolubly connected with the lamp, and suitable means for locking the arm extremities to the lamp and base respectively when properly adjusted.

3. The combination with the base, of a spindle journaled thereon, frame-bars rigidly attached to the extremities of the spindle, a second spindle mounted on the frame-bars remote from the first-named spindle, a lamp rotatably mounted on the second spindle, means for locking the lamp on its spindle, and means for locking the first-named spindle on the base.

4. The combination with the base, a ball mounted on the base, a spindle journaled in said ball, two frame-bars rigidly attached to the extremities of the spindle and bowed outwardly to allow them to swing around the base, a second spindle mounted on the frame-bars remote from the first-named spindle, a ball journaled on the second spindle, a lamp attached to the ball, and set-screws mounted on the balls and adapted to engage the spindles.

5. The combination with a lamp and a supporting-base of two arms bowed outwardly from each other between their extremities which are located in proximity to each other, one extremity of each arm being revolubly connected with the lamp and the other extremity of each arm revolubly connected with the supporting-base.

In testimony whereof we affix our signatures in presence of two witnesses.

ALBERT DOSS.
WILLIAM F. DOSS.

Witnesses:
A. G. EBERT,
EDITH HIMSWORTH.