

UNITED STATES PATENT OFFICE.

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LAMP-REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 719,576, dated February 3, 1903.

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To all whom it may concern:

Be it known that I, JAMES R. FLAGG, a citizen of the United States, and a resident of Frewsburg, in the county of Chautauqua and State of New York, have invented a new and useful Lamp-Reflector, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to reflectors for lamps or gas-lights; and the object of my invention is to provide means for adjusting the reflector so that the light may be thrown in any desired direction.

In the drawings, Figure 1 is a perspective view of my reflector attached to a lamp and so turned as to throw the light downward. Fig. 2 is a side elevation of reflector and showing several different adjustments of reflector in dotted outline. Fig. 3 is a sectional view of the conical bearings for the reflector-disk. Fig. 4 is a modification of the angled projection.

Similar numerals refer to corresponding parts.

Numeral 10 is the lamp, and my device is attached to the lamp at the ferrule at the top of the oil-receptacle by a clamping-band or clip 11, as shown. Clip 11 may be made vertical to the reflector, as at 12 in Fig. 4, for attaching to a lamp or gas bracket. Extending out from clip 11 is the rod 13, which I usually give a parallel return-bend 14 in order to give the reflector the right height as to the light. A right-angle turn 15, as shown in the modification in Fig. 4, would serve my purpose with some forms of gas and lamp brackets, but it does not give sufficient room for adjustment in attaching to a lamp.

End 16 is to receive the tubular socket 17. Tube 17 has a metal piece 18 firmly secured in its upper end. The other end of piece 18 is made flat and bent, so as to form a circular opening 19 to receive the semicircular spring holder or yoke 20 of the reflector-disk 24. The upper end of piece 18 is continued downward from opening 19, and a clamping thumb-screw 21 is inserted through the two parts of piece 18, thus forming a clamp of said circular upper end of piece 18. One

side of said circular upper end is partly cut away to form the notches 22 on each side.

Spring holding-wire 20 is bent in a parallel returning bend 23 at the central part, so that clasp 18 may not slip sidewise on wire 20 and also so that notches 22, being in the path of wire 20 in bend 23, will stop and hold wire 20 from dropping down when thumb-screw 21 is released.

Reflector-disk 24 has a yoke-piece 25 attached to the rear side, as at 26. The ends of wire 25 are pointed, as shown at 27 in Fig. 3, to give conical bearings at each end in the upper ends 28 29 of yoke 20. End 28 has one end closed and a tubular opening in the other end for yoke-piece 25, as shown at 27 in Fig. 3. End 29 has a tubular opening therein and threaded at one end to receive the adjusting-screw 30.

It is now apparent that reflector-disk 24 can be turned and sustained at any angle in yoke 20 by the spring of the yoke and adjustment of screw 30. It is equally plain that yoke 20 may be sustained near to or far from the light and at different heights by clamp 18 and thumb-screw 21; also, that socket 17 turns on upright end 16 and clamp 11 on the ferrule of the lamp. The complete adjustability of my reflector is therefore made plain.

My device is cheap and durable. It is simple in its adjustments and allows the reader to adjust the light to his book and not his book to the light.

I claim as new—

An adjustable reflector comprising a spring-yoke, a yoke-piece revolvably mounted in the extended ends of said spring-yoke and means for clamping said yoke-piece in different positions, a reflector on said yoke-piece, a tubular socket, a clamp on said socket for said spring-yoke, a bracket having an upturned end to revolvably receive said socket, and means for attaching said bracket to a lamp.

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

JAMES R. FLAGG.

Witnesses:

A. W. KETTLE,
S. A. BALDWIN.