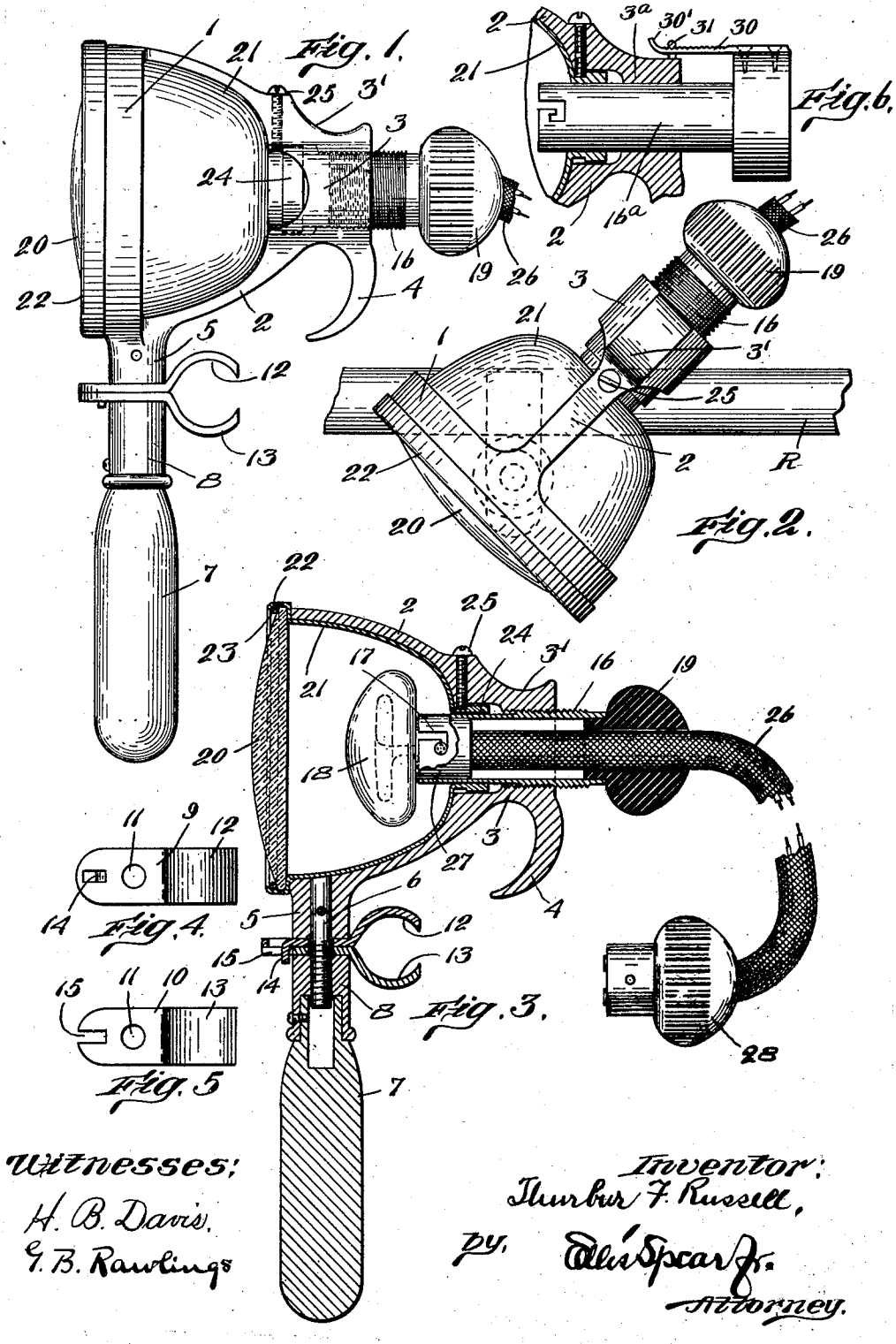
T. F. RUSSELL.

TROUBLE LAMP.

APPLICATION FILED SEPT. 9, 1913.

1,116,847. Patented Nov. 10, 1914.



Witnesses:
H. B. Davis.
G. B. Rawlings

Inventor:
Thurbur F. Russell,
by, Ellis Spear Jr.
Attorney.

UNITED STATES PATENT OFFICE.

THURBUR F. RUSSELL, OF NEWTONVILLE, MASSACHUSETTS, ASSIGNOR TO FRANK VERNON RUSSELL, OF NEWTONVILLE, MASSACHUSETTS.

TROUBLE-LAMP.

1,116,847. Specification of Letters Patent. Patented Nov. 10, 1914.

Application filed September 9, 1913. Serial No. 789,006.

To all whom it may concern:

Be it known that I, THURBUR F. RUSSELL, a citizen of the United States, residing at Newtonville, county of Middlesex, Commonwealth of Massachusetts, have invented certain new and useful Improvements in Trouble-Lamps, of which the following is a specification.

This invention relates to lamps and particularly to a portable lamp of the class known as "trouble lamps". These lamps which are primarily intended for use about automobiles are usually electric lamps connected by a long flexible switch cord which permits the lamp to be used on any part of the car. Heretofore these lamps have been simply electric bulbs and while very useful they have been of only limited convenience on account of the difficulty of handling the light in the many different parts of a car where illumination is needed.

The usual trouble lamp when not in use about the engine or under the car has generally been stowed away in the tool box where the room monopolized considerably offsets the advantage of its infrequent use.

The object of my present invention is to provide a lamp which will not only have an increased convenience under ordinary use but which will have possibilities of varied additional uses and particularly to fit the possibility of a semi-permanent attachment at such a convenient place as the robe rail in the tonneau for the illumination of the rear seat and the rear steps.

The construction and operation of my device will be more fully described in the specification which follows.

Throughout specification and the drawings which form a part thereof, like reference numerals are employed to indicate corresponding parts.

In the drawings, I have shown as an illustrative embodiment a construction which not only clearly illustrates my invention but is in itself a form proven to be of the greatest utility in practical use.

In the drawings, Figure 1 is a side view of my lamp. Fig. 2 is a plan view showing the lamp mounted on a section of the robe rail. Fig. 3 is a partial central section. Figs. 4 and 5 are details of the clamp member and Fig. 6 is a modification of the light focusing adjustment.

In the form of my invention shown, I provide a circular frame 1 having an arched extension formed with a bearing 3. The upper part of the bearing 3 is hollowed out at 3^1 to afford a thumb hold, while at its lower part it is extended at 4 in the form of a trigger shaped hook adapted to be engaged by the forefinger. At the lower end of the frame 1 is formed a stub 5 in which the threaded stem 6 is set. On this stem is screwed a handle 7 having a threaded cap 8. A clamping member is provided which is run on the stem 6 and compresses against the stub 5 by the handle as it is screwed up. The clamp which is adapted to engage a robe rail R or any other convenient bar or rod, consists of two members 9 and 10 which are provided with the stem receiving opening 11 and with clamping jaws 12 and 13. The opposite ends of the clamps 9 and 10 are interlocked by a lip 14 struck down from the clamp 9 and entering the slot 15 in the clamp 10. Within the bearing 3 is threaded a tubular sleeve 16 on the inner end of which is a bayonet joint 17 adapted to receive an incandescent bulb 18. The sleeve has at its outer end a suitable knob 19 by which it may be rotated to secure the proper adjustment of the lamp 18 relative to the lens 20 for focusing the light at any desired distance. The reflector shell 21 is set within the frames 1 and 2 and at its outer edge is formed with a rim 22 in which the lens is set and held in place by a ring 23. The inner end of the reflector 21 has a tubular extension 24 which is engaged by a set screw 25 passing through the upper frame member 2 just in advance of the thumb grip 3^1. The switch wire 26 centers through the knob 19 and passing through the sleeve 16 is suitably connected with the socket 27 which makes proper electric contact in the usual manner, with the filament connections of the bulb 18. I have indicated at 28 the switch plug which may be of any desired cosntruction.

In Fig. 6 I have shown a sleeve 16^a which has a slidable bearing in the part 3^a, the adjustment being preserved by a notch bar 30 which is engaged by a bridge piece 31. The adjustment of the light is secured in this modification by depressing the end 30^1 of the bar 30 so as to disengage it from the

bridge piece 31 whereupon the tube 16ª may be slid backward or forward to secure the desired adjustment.

The lamp may be used as an ordinary hand lamp either by engaging the fore finger in the hook 4 with the thumb on the hollowed out part 3¹ or it may be held by its handle. The hook 4 furthermore can be used to hang up the lamp in any part of the engine or car and when so suspended the handle which extends below the level of the hook supports the lamp and prevents it from tipping down or falling in. For semi-permanent use, the clamps may be engaged on any convenient bar or rod on the automobile. It is intended that the lamp be kept clamped on the robe rail R in the tonneau and it can be swiveled so as to throw the light on either step or, by adjusting the clamp, can be directed up or down. The lamp can also be clamped in the back of the tonneau and used as a reading lamp. It will therefore be seen that a great variety of uses may be made of the lamp and that it can be kept in convenient and accessible position.

Various other modifications may obviously be made in the operation and construction of my device all without departing from the spirit of my invention if within the limits of the appended claims.

What I therefore claim and desire to secure by Letters Patent is:

1. A lamp of the class described comprising an open frame, a reflector supported in said frame, a downwardly turned hook on said frame, said frame having an oppositely disposed thumb bearing.

2. A lamp of the class described comprising a frame, a source of light mounted therein, a downwardly projecting hook on said frame, and a depending handle in advance of said hook and extending below the level thereof.

3. A lamp of the class described comprising a frame, a source of light mounted therein, a downwardly projecting hook on said frame, a depending handle in advance of said hook and extending below the level thereof and a swivel clamp adjustably mounted on said handle and below the level of said hook.

4. A lamp of the class described comprising a frame, a source of light mounted therein, and a clamp swiveled to said frame and having a pair of clamping jaws adapted for clamping engagement with a support.

5. A lamp of the class described comprising a frame, a source of light mounted therein, and a clamp swiveled to said frame and comprising a pair of clamping jaws adapted for clamping engagement with a support, and means for tightening said jaws.

6. A lamp of the class described comprising a frame, a source of light mounted therein, a handle, a device operatively connecting said handle and frame, and a clamping member swiveled to said connecting device.

7. A lamp of the class described comprising a frame, a source of light mounted therein, a handle, a threaded stem operatively connecting said handle and frame, and a clamping member swiveled to said stem.

8. A lamp of the class described comprising a frame, a source of light mounted therein, a handle, a threaded stem operatively connecting said handle and frame, and a clamping member comprising interlocked engaging jaws swiveled to said stem.

9. A lamp of the class described comprising a frame, a source of light mounted therein, a handle, a threaded stem operatively connecting said handle and frame, and a clamping member comprising a pair of oppositely curved jaws swiveled to said stem.

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

THURBUR F. RUSSELL.

Witnesses:
VICTORIA LOWDEN,
MARION C. HOBBS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."