No. 783,935. PATENTED FEB. 28, 1905.

R. G. DU BOIS.

SEARCH LIGHT.

APPLICATION FILED NOV. 17, 1904.

Fig. 1.

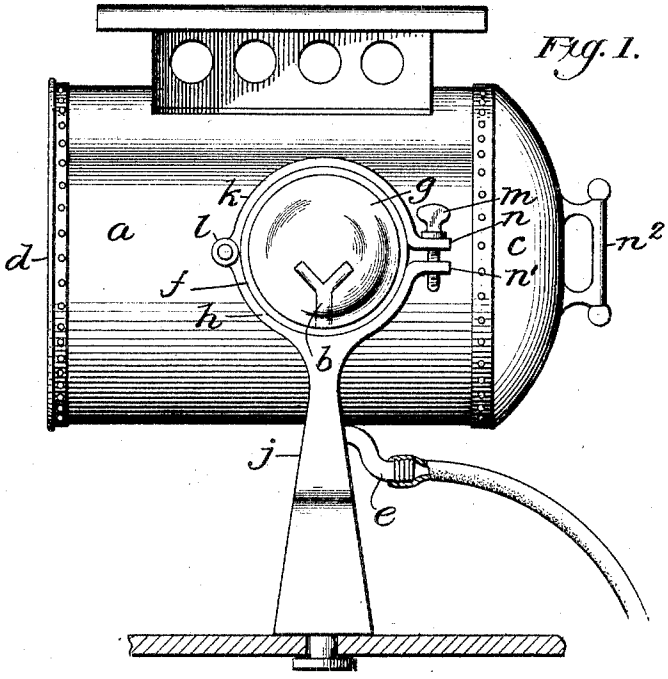
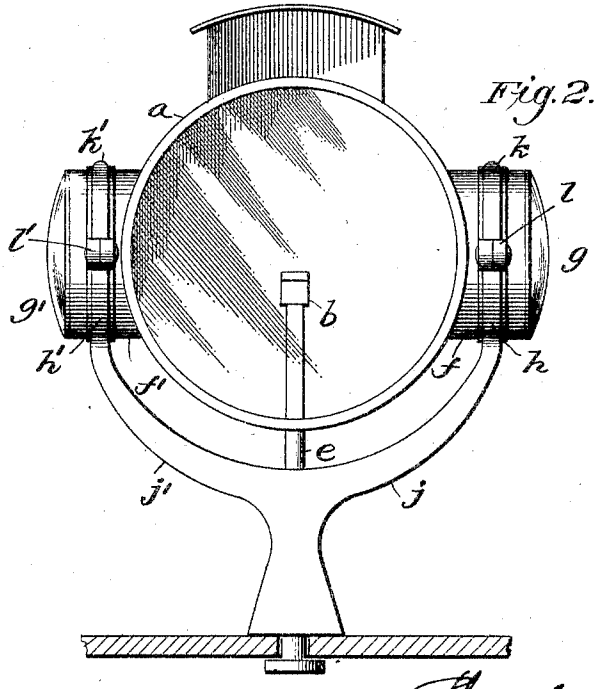


Fig. 2.



Witnesses

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No. 783,935. Patented February 28, 1905.

UNITED STATES PATENT OFFICE.

RHESA G. DU BOIS, OF SOUTH ORANGE, NEW JERSEY.

SEARCH-LIGHT.

SPECIFICATION forming part of Letters Patent No. 783,935, dated February 28, 1905.

Application filed November 17, 1904. Serial No. 233,112.

To all whom it may concern:

Be it known that I, RHESA G. DU BOIS, a citizen of the United States, residing at South Orange, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Search-Lights, of which the following is a specification.

My invention relates to an improved three-way-swinging search-light, and more particularly to the manner of locating the side lights in relation to the burner and the trunnions which support the main shell on the standard or bracket; and my invention consists in the peculiarities hereinafter shown and described, wherein—

Figure 1 represents a side view, and Fig. 2 a front view, of the device.

The reference-letter *a* denotes an ordinary cylindrical shell having a burner *b* centrally located and having the common reflector *c* at the rear and a plain glass *d* covering the front. A tube *e* conveys the acetylene-gas from any suitable generator to the burner.

The trunnions *f f'*, which support the swinging or pivoted shell *a*, are hollow and have a common axis, whereby the light from the burner is allowed to pass out at the sides as well as at the front. The outer ends of the trunnions are provided with red and green glasses *g g'*, respectively, to give signal-lights upon opposite sides of the shell. The positions of the side lights are not disturbed by the rotation or rocking of the shell *a* on the trunnions, as would be the case were the side lights located in the sides of the shell itself and off its axis. The trunnions are mounted in bearings *h h'* at the upper ends of the supporting-arms *j j'*. These bearings are provided with clasps *k k'*, hinged at *l l'* and fastened by set-screws *m* passing through lugs *n n'*. By this means the shell *a* can be readily removed or the friction on the trunnions increased or diminished to adjust the action of the shell, and hence the light. A handle a^2 at the rear of the shell facilitates adjusting the latter and carrying it when removed from its bearings.

What I claim is—

1. In a search-light of the swinging type, a shell or cylinder containing a burner, hollow trunnions supporting the shell, and being provided with signal-glasses for casting side lights, substantially as described.

2. A search-light shell, having hollow side supports or trunnions provided with colored signal-glasses, in combination with a burner located in the shell and adapted to project signal side lights through said supports, substantially as described.

3. A search-light shell containing a burner, in combination with hollow trunnions closed with glasses, provided with oppositely-projecting side lights which project through the trunnions, substantially as described.

4. In a search-light, a shell provided with a burner, in combination with hollow trunnions, means for emitting light through said trunnions, and bearings for the trunnions provided with adjustable hinged clasps, substantially as described.

5. In a search-light, a shell provided with a burner, in combination with hollow trunnions, means whereby light is emitted through the trunnions and bearings in which the trunnions turn.

6. A search-light comprising a shell and light-producing means therein, said shell mounted in hollow trunnions and having side lights in said trunnions.

7. An oscillatory search-light comprising a shell and light-producing means therein, said shell mounted in hollow trunnions and having stationary side lights in alinement with the light-producing means.

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

RHESA G. DU BOIS.

Witnesses:

GEO. C. HAZELTON,

FRED E. TASKER.