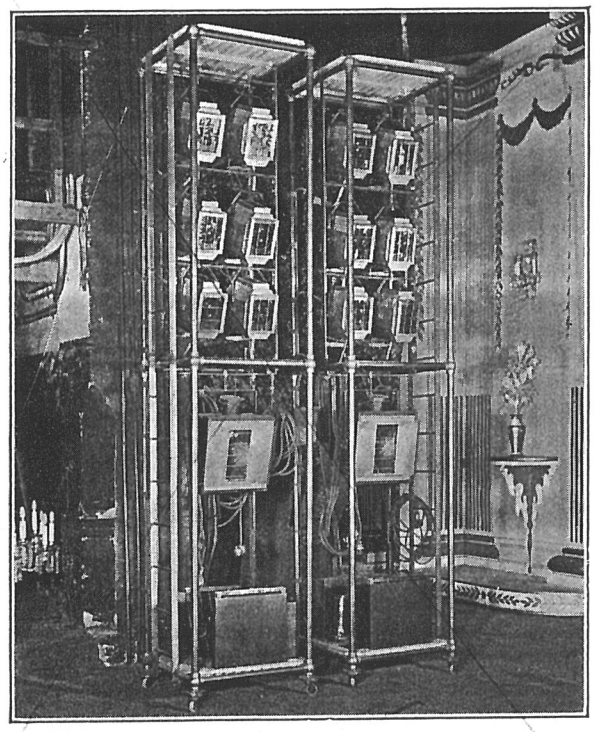
STRAND STAGE FLOODS



Strand Lighting Towers, as used by Mr. Hassard Short in his productions of "Waltzes from Vienna" at Alhambra Theatre, and "Wild Violets" at Drury Lane Theatre, London

The stage flood is the most important piece of portable apparatus used in the theatre.

STRAND stage floods fall into two categories, the medium angle and the wide angle. Generally speaking, the former are more applicable to Cinema stages, where it may be necessary to throw a beam (for side lighting of curtains) across a stage 40 ft. to 60 ft. wide. In the Theatre, however, where back-cloths and backings have to be illuminated evenly from close range, the wide angle flood meets the case.

All STRAND stage floods incorporate silvered glass reflectors of various shapes, designed for the purpose in view. The patent reflectors are constructed of "SUNRAY" glass which gives maximum brilliance, absolutely free from filament striation. These are carried in special sprung fixings, and breakage under working conditions is negligible.

To ensure accurate beam control, STRAND floods are finished matt black inside, cutting down stray light to the minimum.

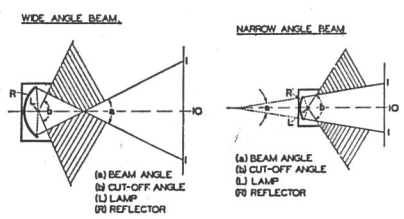
The characteristics of each flood can be found in :—

(A) The "Beam Angle." This is the angle within which the useful light is concentrated. It is defined in the case of a symmetric floodlight as the total angular width between the limits at which the illumination produced on a surface at right angles to the axis of the beam is one-tenth of the maximum.

(B) The "Cut-off Angle." This is the angle of the direct light from the lamp, and is determined by the edges of the lantern. This light is of low intensity. In some cases spill rings are fitted to the front of the lantern to mask out this stray light.

Two polar curves are given to each lantern, one plotted on polar co-ordinates, the other on rectangular co-ordinates. These show the light distribution and the relative intensity of the light given by the various reflectors.

STRAND stage floods may be used either with a telescopic stand or suspended. The forks are fitted with $4\frac{1}{2}$ in. x $\frac{1}{2}$ in. threaded stem and two hexagonal nuts and split pin, as standard. These should be removed if a stand is used.



Beam Angle Diagram

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