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STAGE BORDER LIGHT RIGGING.
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Fig. 1.

Fig. 2.

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STAGE-BORDER-LIGHT RIGGING.


To all whom it may concern:

Be it known that I, WILLIAM CAMPH, a citizen of the United States, residing at Pelham, in the county of Westchester and State of New York, have invented and useful Improvements in Stage-Border-Light Rigging, of which the following is a specification.

My invention relates to border light rigging for theater stages and consists in a new construction and arrangement of parts, whereby the border lights are more conveniently and safely controlled, that is raised and lowered.

The important features of the invention are the arrangement of a suitable counter-weight on the opposite prompt, or O. P. side of the stage, to which extend over suitable pulleys all the wire ropes from the border light. The wire rope sustaining the slack of the electric light cable is also carried over suitable pulleys to said weight and therefrom the single controlling line extends over suitable pulleys to the tie-rail or pin-rail on the other side of the stage convenient to the hand of the operator.

My invention will be understood by reference to the drawing hereon in which the reference letters of this description indicate the corresponding parts in both the figures. Figure 1 is substantially an elevation taken from the front of the stage showing the arrangement of the various parts. Fig. 2 is an enlarged view showing the elbow on which the electric light cable is carried.

In the figures 1 indicates the stage, 2 the proscenium arch, and 3 the border light hung on the wire ropes 4, provided with insulators 5. These ropes run each over its individual pulley 6 and the main pulley 7 hung on the non-working side of the stage. This weight is fitted to a suitable guide-way 10. By means of the single line 15 from the counterweight running over the main pulley and the small pulley 15' to the pin rail 16, the weight may be slacked to the border-light, permitting the weight to drop to the gallery 18, and, if you wish to lower the former, it is easily done by pulling on the line, for the weight is only slightly overbalanced.

To the border light at any suitable point is connected the electric feed cable 20 from the conductors in the conduit 21 suitably arranged. For carrying the slack of this cable, I have provided a desirable means, or sling, consisting of a tubular elbow 22, slightly bent to conform to the natural curve of the cable and having smooth bushings 23 in each end to prevent chafing. From a ring 24 on the bushing a wire rope 25 extends over its own pulley 26 and the main pulley to the counterweight so that the weight of the cable and its slack is carried up and down with the border light, and this prevents strain or breaking of the wires or insulation or chafing of the latter. All this manipulation of the border-light is not only easy, but the arrangement is convenient and not complicated. The weight, its guides, etc., are arranged out of the way on the non-working side and to that side extend all the ropes, leaving the working side free and clear; for only the single line 15 extends over to the pin rail, and the fewer lines and ropes on that side to fill the space and confuse the fly-man the better.

In dotted lines is shown the position of ropes, cable and border light in lowest position. I have shown a center feed, but the electric cable can be applied either as an end feed or a center feed. However center feeds are not now permitted on account of supposed danger; in case the insulation wears and there is a flash it would then be more difficult to reach the center feed.

Having described my invention, I claim,—

1. Border-light rigging for theaters comprising the border-light, a counterweight arranged on opposite-prompt side of the stage, a plurality of ropes from the border-light extending over suitable pulleys to the counterweight and a single manipulating line from the counterweight extending over suitable pulleys to the pin rail on the prompt side of the stage.

2. Border-light rigging for theaters comprising the border-light, a counterweight fitted to a suitable guide on the opposite-prompt side of the stage above the gallery, a plurality of ropes from the border-light extending over suitable pulleys to the counterweight, a single manipulating line from the counterweight extending over suitable pulleys to the pin rail on the prompt side of the stage, an electric cable connected to the border-light, a suitable sling fitted to the cable to carry the weight of the slack, and
a single wire rope from the sling extending over suitable pulleys to the counterweight.

3. Border-light rigging for theaters comprising the border-light, a counterweight arranged on one side thereof, supporting ropes for the border-light attached to said counterweight and a single manipulating line from the counterweight extended to the opposite side of the border-light.

4. Border-light rigging for theaters comprising the border-light, a counterweight arranged on one side of the stage, a plurality of ropes from the border-light extending over suitable pulleys to the counter-weight, said ropes carrying the border-light and said counter-weight being proportioned slightly, but only slightly, to over-balance the border-light, a single manipulating line from the counter-weight extending over suitable pulleys to the side of the stage opposite the counter-weight, and means to secure said line to said opposite side.

5. Border-light rigging for theaters comprising the border-light, a suitably arranged guide-way on the opposite-prominent side of the stage, a counter-weight fitted to the guide-way, suspending ropes for the border-light extending from the border-light over suitable pulleys to the counter-weight, an electric cable connected to the border-light, a suitable sling fitted to the cable to carry the weight of the slack, a single rope to sustain the slack, extending from the sling over suitable pulleys to the counter-weight and a single manipulating line extending from the counter-weight over suitable pulleys to the pin-rail on the prompt side of the stage, substantially as described and shown.

6. Border-light rigging for theaters comprising the border-light, a series of individual pulleys above the border-light, a counter-weight suitably arranged on the opposite-prominent side of the stage, a main pulley suitably arranged above the counter-weight, a series of wire suspending ropes for the border-light extending therefrom, each over its individual pulley and over the main pulley, to the counter-weight, an insulator interposed in each of said ropes, said counter-weight being proportioned slightly to over balance the border-light, an electric cable connected to the border-light, a suitable sling fitted to the cable to carry the weight of the slack, a sustaining wire rope extending from the sling over suitable pulleys to the counter-weight, and a single manipulating line extending over suitable pulleys to the pin-rail on the prompt side of the stage, substantially as described and shown.

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

WILLIAM CAMPH.

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