D. WILLIAMS.
LIGHT ATTACHMENT FOR MUSIC STANDS.
APPLICATION FILED MAR. 21, 1911.

1,010,385.

Patented Nov. 28, 1911.
2 SHEETS-SHEET 2.

Daniel Williams
Inventor

By Victor J. Evans
Attorney
To all whom it may concern:

Be it known that I, DANIEL WILLIAMS, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented new and useful Improvements in Light Attachments for Music-Stands, of which the following is a specification.

The invention relates to sheet music supports and has for an object to provide a light attachment for the said support to illuminate the music adapted to be normally held on the support.

Among other features, my invention embodies a sleeve for attachment to an upright of a music stand, an arm turnably mounted upon the said sleeve, a second sleeve, adjustable mounted on the said arm, and a second arm slidable in the said second sleeve with means on the outer end of the said second arm for attaching a light thereto, the outer end of the said second arm being also provided with a reflector for reflecting the light on to the music disposed on the stand.

Reference is to be had to the accompanying drawings constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which—

Figure 1 is a perspective view of a music stand showing my device applied thereto with an electric light globe attached to the device and provided with electrical connections to suitable batteries disposed adjacent the base of the music stand. Fig. 2 is a front elevation of my device with an electric light for attachment to one end of my device, the electric light globe being shown in dotted lines. Fig. 3 is a side elevation of one of the sleeves with an arm fitted in the said sleeve, parts being broken away to disclose the underlying structure. Fig. 4 is a plan view of my invention. Fig. 5 is a sectional view on the line 5—5 in Fig. 2, and Fig. 6 is a modified form of my device showing a view similar to Fig. 3 with an attaching hook mounted on the said arm.

Referring more particularly to the various views, I employ a sleeve 10 having the upper open end 11 thereof preferably bent to form a ring 12 and having the lower end thereof provided with an opening 13. IntegraIly formed on the sleeve 10 and depending therefrom is a brace 14 provided at its lower end with a slotted member 15.

The arm 16 is mounted to fit into the opening 11 of the sleeve 10 and is provided with a pin 17 adapted to engage the ring 12 so that the said arm can be turned relatively to the sleeve 10. The upper end of the arm 16 is preferably flattened and has a series of corrugations 18 formed thereon and a sleeve 19 having a flattened portion 20 provided with corrugations 21, is adapted to engage the flattened portion of the arm 16 and be adjustably secured thereto by a set screw 22, so that the said sleeve 19 can be moved relatively to the arm 16. The outer end of the sleeve 19 is adapted to turnably receive the end of an arm 23, the outer end of the said arm terminating in a fork 24 having pivotally mounted thereon an end of a clamp 25, the outer end of the said clamp being adapted to releasably engage the fork 24. Secured to the clamp 25 and depending therefrom is a reflector 26, the said reflector being preferably made adjustable relatively to the clamp 25 as shown in Fig. 2.

In the application of my device to a music stand 27, the slotted member 15 and the extension 14 of the sleeve 10 are adapted to engage the center bar 28 of the music stand 27, the upper end of the bar 28 being received in the opening 13 of the sleeve 10 as shown in Fig. 1. As mentioned heretofore, the arm 16 is turnably mounted on the sleeve 10 and the sleeve 19 can be adjusted relatively to the arm 16 by means of the set screw 22, as will be readily understood. An electric light globe 29 is adapted to be secured to the arm 25 by means of the clamp 25 encircling a portion of the globe 29 and connected to the fork 24 of the arm 23, the electric light globe 29 being provided with wires 30 for connection with an electric battery 31 disposed adjacent the base of the music stand 27.

In the modified form of my device I employ a sleeve 35, similar in many respects to the sleeve 10, the said sleeve 35 being provided with a clamping hook 36 mounted to extend transversely through the sleeve 35 and provided with a sleeve 37 so that the sleeve 35 can be secured to the music stand 27 by attaching the sleeve 35 to the stand in the manner heretofore described and then clamping an upper bar of the stand 27 to the sleeve 35 by means of the clamping hook 36.

From the foregoing description it will be
readily seen that my device is adjustable to various positions so that the electric light globe 29 can be positioned at almost any angle relatively to the sheet music disposed on the stand 27 and although for the purpose of describing my invention I have shown my device equipped with an electric light globe, it will be understood that any other convenient illuminating means can be employed and that the scope of the invention is defined in the appended claims.

Having thus fully described the invention, what I claim as new, is:—

1. A light attachment for stands comprising a sleeve for attachment to the stand, an arm turnably mounted in said sleeve, a second sleeve adjustably mounted on the said arm, a second arm turnably mounted on the said second sleeve, a fork integrally formed on the outer end of the said second arm, a clamp mounted on the said fork and adapted to clamp a light to the said second arm and a reflector adjustably mounted on the said clamp.

2. In a light attachment for stands, a tubular sleeve, a bar integrally formed on the said sleeve and depending therefrom for engagement with the said stand, a spring-controlled clamping hook mounted on the said sleeve and adapted to engage the said stand, an arm turnably mounted on the said sleeve, a second sleeve adjustably mounted on the said arm, means for adjusting the said second sleeve relatively to the said arm, a second arm turnably mounted on the said second sleeve, a clamp mounted on the outer end of the said second arm and adapted to clamp a light thereto and a reflector adjustably mounted on the said clamp for reflecting the light on to music disposed on said stand.

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

DANIEL WILLIAMS.

Witnesses:

John W. Morrow,
Alfred H. Cornell.