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April 27, 1926. 1,582,437

J. STANLEY

ILLUMINATING DEVICE

Filed March 5, 1925

Fig. 1

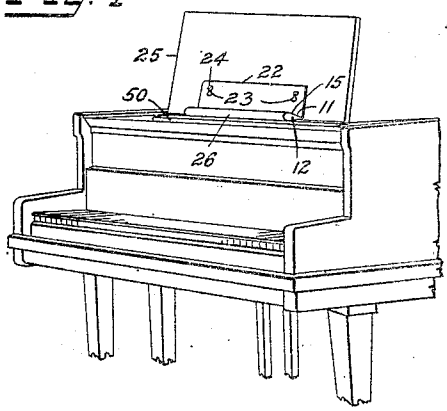


Fig. 5

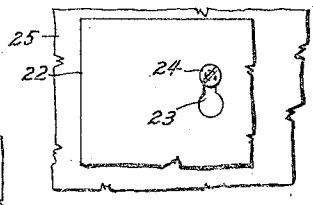


Fig. 2

Fig. 6

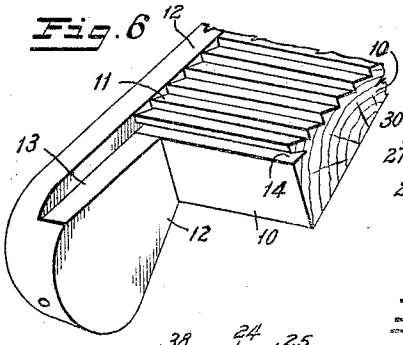


Fig. 3

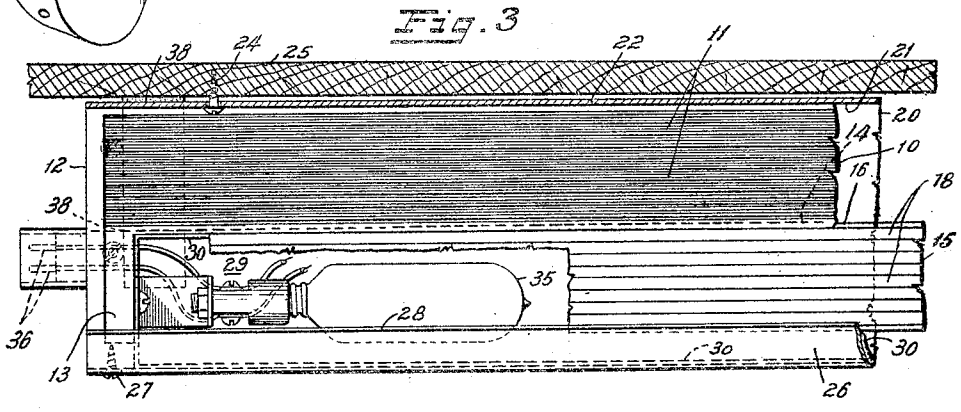
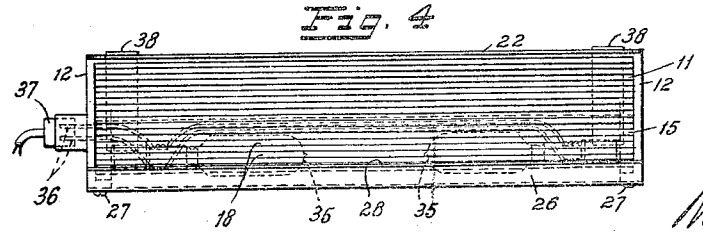


Fig. 4



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Patented Apr. 27, 1926. 1,582,437

UNITED STATES PATENT OFFICE.

JAMES STANLEY, OF NEW YORK, N. Y.

ILLUMINATING DEVICE.

Application filed March 5, 1925. Serial No. 13,072.

To all whom it may concern:

Be it known that I, JAMES STANLEY, a citizen of the United States, and a resident of New York, county and State of New York, United States of America, have invented certain new and useful Improvements in Illuminating Devices, of which the following is a specification.

This invention relates to illuminating devices particularly adapted for use in illuminating music on music racks such as those in use on pianos.

This invention has for its salient object to provide a device so constructed and arranged that the light will be directed away from the observer and against the music or other article to be illuminated.

Another object of the invention is to provide a device having means for supporting the music or other article in position to be illuminated.

Another object of the invention is to provide a device of the character described that is simple and compact and can be easily attached to and detached from a music rack or other object.

Another object of the invention is to provide a device of the character described that can be economically manufactured and will effectively perform the desired functions.

Further objects of the invention will appear from the following specification taken in connection with the drawings, which form a part of this application, and in which—

Fig. 1 is a perspective view partly broken away showing a portion of a piano having an illuminating device constructed in accordance with the invention mounted on the music rack thereof.

Fig. 2 is a sectional elevation of the device constructed in accordance with the invention, the device being shown as mounted on a music rack.

Fig. 3 is a top plan view partly broken away and partly in section of the construction shown in Fig. 2.

Fig. 4 is a top plan view of the illuminating device shown on a smaller scale.

Fig. 5 is a fragmentary view showing one means for connecting the device to the object on which it is to be mounted such as a music rack, and

Fig. 6 is a perspective view partly broken away of a portion of the base of the device.

The invention briefly described consists of an illuminating device adapted to be detachably secured to a music rack and having means for supporting the music or other article to be illuminated and means disposed in advance and below the plane of the support for directing rays of light against the music. In the particular form of the invention shown, the device comprises a base having a supporting surface for the music and a transparent portion for transmitting the rays of light upwardly and rearwardly, the transparent portion preferably having beveled surfaces for directing the rays away from the observer and against the music. The rear wall of the base is extended upwardly and may be secured in any desired manner to the object on which it is to be supported as, for instance, by means of screws and keyhole slots in the rear wall. Further details of the invention will appear from the following description.

In the particular embodiment of the invention illustrated, the device comprises a base 10 having a music rest or supporting surface 11 at the rear portion thereof, the surface 11 preferably being serrated as shown to prevent the music or article being supported from slipping. The portion 11 may, if desired, be formed of wood as illustrated and may be connected to or formed integral with end walls 12 of the base. The end walls as shown are recessed at 13 and a V-shaped recess 14 is formed along the front edge of the supporting surface 11. A transparent or glass cover 15 is supported in the recesses 13 of the end walls 12 and has its rear edge 16 wedged into the V-shaped longitudinal recess 14.

The cover 15 is preferably beveled as shown at 18 in a manner to direct the rays of light upwardly and rearwardly against the music 19 or other article supported on the surface 11.

The base also has a bottom plate 20 preferably formed of metal and extended around the rear wall as shown at 21 and upwardly as shown at 22 to form an upright portion. This upright portion 22 is adapted to be secured by keyhole slots 23 formed in the upright portion 22 and screws 24 to the music rack 25.

The illuminating device has a front wall 26 which is secured by screws 27 to the end

walls 12 and as shown at 28 extends over the front longitudinal edge of the glass plate 15 thereby securing the plate firmly in position and forcing the plate at its rear edge into the V-shaped notch 14. The interior of the opening 29 in the base is preferably lined as shown at 30 with asbestos or similar material, this material extending along the front wall 26, along the bottom wall 20 and upwardly along the front of the block which forms the supporting surface 11.

The illumination is furnished by lamps 35 disposed in the front open portion 29 of the base and below the glass plate 15. The connection to the lamps is made through a plug having terminals 36 and adapted to receive a socket 37 which is connected to a wall socket or other source of supply. Attention is directed to the location of the lamps 35 in the rear of the removable front wall 26. When the wall is removed, the glass cover 15 can also be removed thereby rendering the lamps accessible for any necessary adjustment or change thereof.

The rear wall 22 and bottom 20 are preferably provided with strips 38 of felt or similar material to prevent any rattling or other noise by the contact of the device with the music rack.

Fig. 2 illustrates the usual construction of music rack on grand pianos, the rack comprising the rear wall 25 and a horizontal supporting shelf 50. The rear wall is hinged to the portion 50 and folds down when the piano is to be closed. The two portions 25 and 50 of the rack are usually disposed at substantially the angle illustrated, namely, an obtuse angle and this is objectionable since music supported on the shelf 50 will easily slide therefrom. Particular attention is directed to the fact that this objectionable feature has been remedied in the device illustrated by reason of the fact that the support 11 for the music is disposed at an angle only slightly greater than the right angle to the rear wall 22. The music or other article supported on the surface 11 is, therefore, secure against slipping.

From the foregoing description, it will be seen that a simple and practical device of the character described has been designed and that this device will effectively support and illuminate music or other articles mounted thereon. Furthermore, the device can be readily attached to or detached from the upright portion of a music rack and when the piano is to be closed, the device can be removed and the upright portion 25 of the rack be folded down.

Although one specific embodiment of the invention has been particularly shown and described, it will be understood that the invention is capable of modification and that changes in the construction and in the arrangement of the various cooperating parts may be made without departing from the spirit or scope of the invention, as expressed in the following claims.

What I claim is:

1. An illuminating device comprising a body having a transparent upper portion and a music supporting portion and a lamp disposed below the transparent portion and adapted to throw its rays upwardly therethrough, said transparent portion having irregular surfaces formed to direct light rays upwardly and rearwardly away from the observer.

2. An illuminating device having an upright portion adapted to be secured to a music rack, a music supporting surface disposed at an angle slightly greater than a right angle to said upright portion, said upright portion and said music supporting portion being fixedly connected together, and means disposed under and in front of the music supporting surface for illuminating music mounted on said surface.

3. An illuminating device comprising a receptacle, a music supporting portion and a light transmitting portion forming a top for the receptacle, and lighting means in the receptacle below the light transmitting portion, said light transmitting portion having beveled surfaces adapted to direct the light rearwardly and upwardly.

4. An illuminating device comprising a base having an upper surface for supporting the article to be illuminated, part of the supporting surface being transparent and adapted to transmit light, an upright member and means for securing said member to a music rack.

5. An illuminating device comprising a base substantially flat having a music supporting surface, a transparent surface, a removable front wall for securing the transparent surface, and lighting means in said base disposed below said transparent surface and in the rear of the removable front wall.

6. An illuminating device comprising an upwardly extending wall and a base extending in front of and away from the wall, said base having a music supporting top surface and a transparent top portion and illuminating means disposed below the transparent portion and in advance of said music supporting surface.

7. An illuminating device having a back, a top surface and a bottom surface, said back extending above the top surface the top surface being disposed at an angle of slightly more than 90° to the back and the angle between the back and bottom being obtuse, a portion of the top surface being transparent and a lamp disposed beneath the transparent portion.

8. An illuminating device comprising a base having an upper surface for supporting the article to be illuminated, a portion of the

supporting surface being transparent, said upper surface having a plurality of longitudinally extending faces inclined downwardly away from the front of the device.

9. An illuminating device comprising a base having an upper surface for supporting the article to be illuminated, a portion of the supporting surface being transparent, said upper surface being serrated and having downwardly and rearwardly inclined faces.

In witness whereof, I have hereunto set my hand this 3rd day of March, 1925.

JAMES STANLEY.