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R. A. RUMMEL

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PICTURE ATTACHMENT FOR TALKING MACHINES

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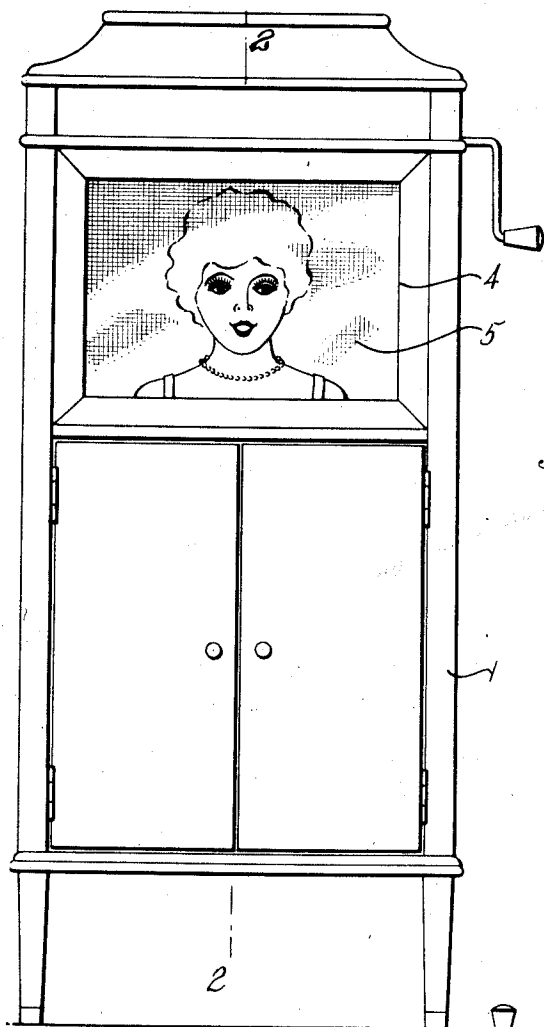


Fig. 1.

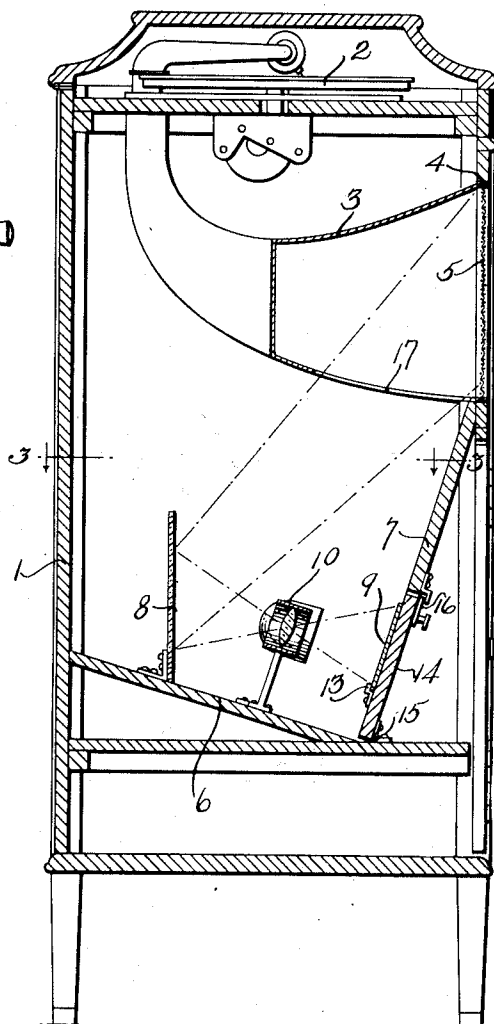
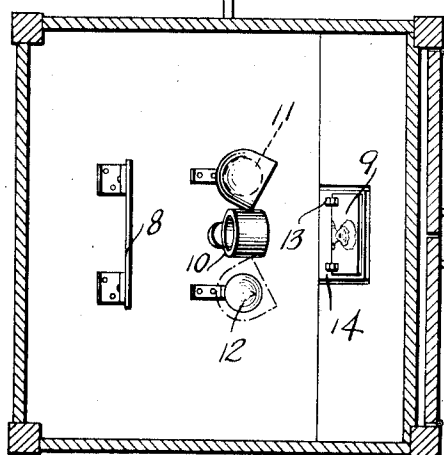


Fig. 2.

Fig. 3.



WITNESSES

W. E. Jones
A. L. Kitchen.

INVENTOR

R. A. Rummel

BY *Mumford*

ATTORNEYS

UNITED STATES PATENT OFFICE.

ROBERT A. RUMMEL, OF WOODRIDGE, NEW JERSEY.

PICTURE ATTACHMENT FOR TALKING MACHINES.

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To all whom it may concern:

Be it known that I, ROBERT A. RUMMEL, a citizen of the United States, and a resident of Woodridge, in the county of Bergen and State of New Jersey, have invented a new and Improved Picture Attachment for Talking Machines, of which the following is a full, clear, and exact description.

This invention relates to an attachment for talking machines and particularly to an improved talking machine attachment constructed to produce an image at a given point, said image being a reproduction of a picture arranged at a distant point from the point at which the image appears.

The object of the invention is to provide an improved attachment for talking machines wherein the picture may be reproduced at or near the end of the horn or sound amplifier of the talking machine.

Another object in view is to provide means for providing a picture on a screen or other back-ground illustrating the song being played or representing the person whose voice is heard reproduced.

A further object, more specifically, is to provide a construction wherein a photograph or other picture may be inserted at a given point and by a system of reflection be reproduced at a convenient point visible to the observer.

In the accompanying drawing—

Figure 1 is a front view of a talking machine with an embodiment of the invention applied thereto.

Figure 2 is a sectional view through Figure 1 approximately on line 2—2.

Figure 3 is a horizontal sectional view through Figure 1 approximately on line 3—3.

Referring to the accompanying drawing by numerals, 1 indicates a talking machine cabinet of any kind provided with suitable mechanism 2 for reproducing sound, which sound is amplified by a suitable horn or amplifier 3 extending to the front of the cabinet and provided with an opening 4. Ordinarily, in talking machines the opening 4 is supplied with shutters to regulate to a certain extent the volume of sound emanating from the horn 3.

In the present invention, a fabric screen 5 is arranged in the opening 4 and acts as a screen or curtain for receiving the reflection of the picture. This screen may be of any suitable fabric which will accomplish this

purpose. Arranged in the bottom part of the cabinet 1 is a platform 6 which is associated with an inclined wall 7. On the platform 6 is arranged a mirror 8 set at the proper angle to reflect the picture 9 onto the screen 5 after the reflection has passed through a suitable lens 10. In order that this reflection may be distinct, preferably two lamps 11 and 12 of comparatively high candle power are used to illuminate the picture 9 whereupon the reflection through the lens 10 onto the mirror 8 will be sufficiently clear to cause a proper reproduction on the screen 5. The picture 9 is supported in suitable brackets or slides 13 arranged on the door 14, which door is preferably hinged at 15 and normally held in alignment with the wall 7 by a hand operated catch 16. When a new record is placed in the machine, the door 14 is opened and the picture 9 arranged on the brackets 13, said picture agreeing in subject matter with the subject matter on the record. At any convenient time the lights 11 and 12 are turned on, said lights receiving their current from any suitable source and connected up in any suitable manner. If a record is placed in the machine which contains a song of a noted singer, the picture of said singer may be arranged on the door 14 so that as the talking machine operates, the picture will be shown and will give the effect shown in Figure 1, namely, the effect of hearing and seeing the singer at the same time. When the horn 3 extends to the front as shown in Figure 2, preferably a cut-away portion 17 is provided to allow the light rays to properly strike the screen 5.

What I claim is:—

1. The combination with a talking machine, of a prepared surface, means for supporting a picture below said surface, a platform at the base of said means, a lens arranged on said platform in front of said picture, a reflector also arranged on said platform adjacent said lens for projecting a reflection from said picture after it passes through said lens, said reflector directly projecting the picture onto said surface, and means for illuminating said picture.

2. The combination with a talking machine, of a screen and means for throwing the reflection of a picture on said screen, said means including a reflecting surface, a lens for focusing an image on said surface, a platform mounting said reflecting surface

and said lens, a pivotally mounted door connected with said talking machine at the foot of said platform, means carried by the door for supporting a picture in line with said lens, and means for illuminating said picture.

3. In combination with a phonograph, means for reflecting a picture on a portion of the phonograph cabinet, said means comprising a screen arranged at the front end of the amplifier, a platform extending at an angle to the horizontal plane of the phono-

graph cabinet secured therein at spaced distance from the horn, a reflecting surface mounted on said platform and at such an angle therewith to project an image on the screen, a hinged member adjacent the foot of said platform, a bracket thereon for holding in place a picture to be reflected, a lens on said platform between said hinged member and said reflector for focusing the image on the picture on the reflecting surface. 15

ROBERT A. RUMMEL.