

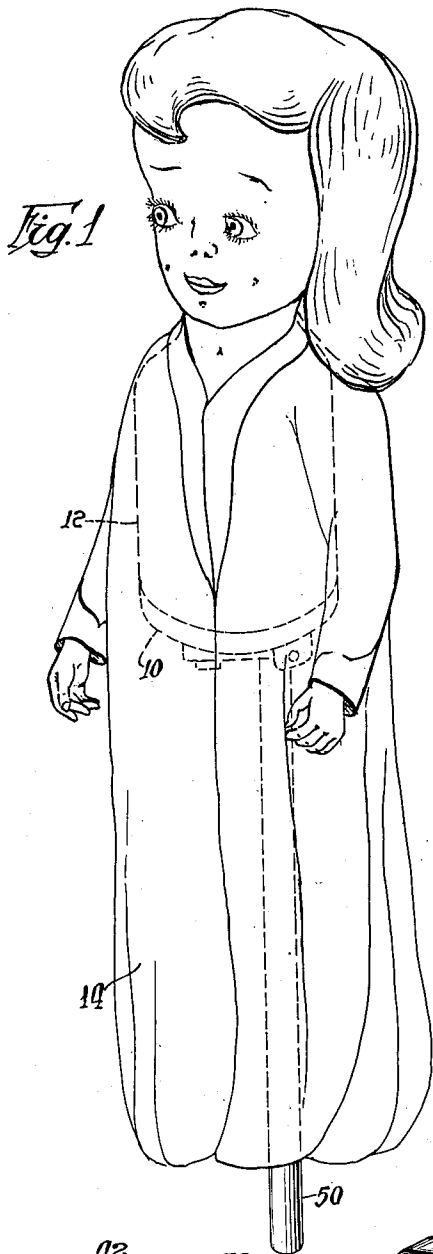
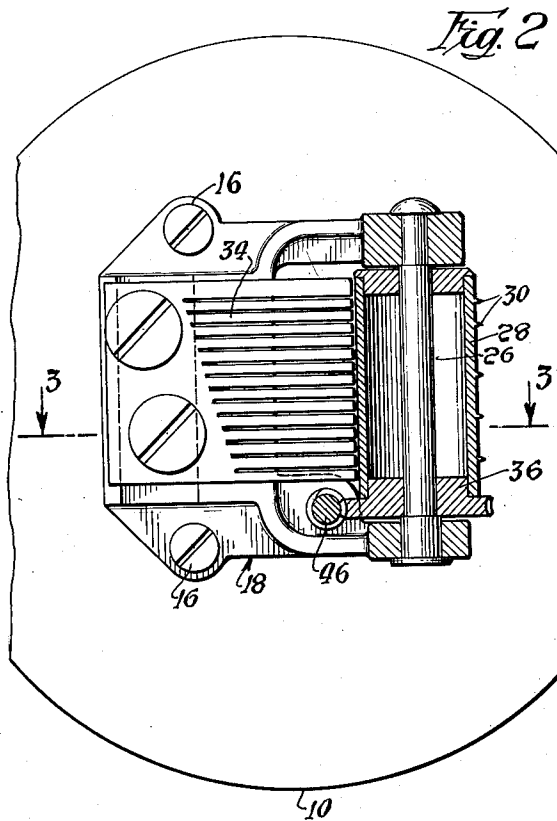
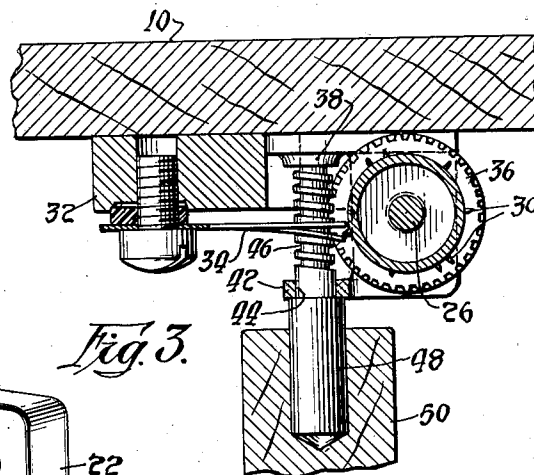
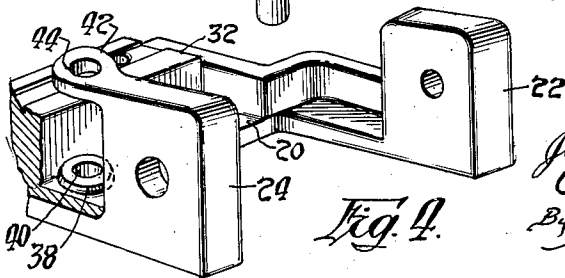
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2,627,699

MUSICAL DOLL

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UNITED STATES PATENT OFFICE

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MUSICAL DOLL

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1 Claim. (Cl. 46—118)

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This invention relates to a musical doll and has for its primary object to afford entertainment and amusement.

Another object is to conceal the music producing element beneath the gown worn by the doll, and also to produce musical sounds by moving the doll about an axis which lies eccentric to its longitudinal axis.

The above and other objects may be obtained by employing this invention which embodies among its features a base, a music box movement fixed to the underside of the base, a handle carried by the underside of the base for rotation about an axis which lies eccentric to the vertical axis of the base, means connecting the handle with the music box movement to cause said movement to operate and produce musical sounds as the base is rotated about the axis of the handle, a doll fixed to the upper side of the base and extending upwardly therefrom, and a gown worn by the doll and encircling the base, said gown projecting below the lower end of said base and concealing the music box movement.

In the drawings:

Figure 1 is a perspective view of the musical doll embodying the features of this invention,

Figure 2 is a fragmentary bottom plan view on an enlarged scale of the base, showing the music box movement attached thereto,

Figure 3 is a sectional view taken substantially along the line 3—3 of Figure 2, and

Figure 4 is a perspective view of the frame which supports the music box movement on the underside of the base.

Referring to the drawings in detail a base 10 preferably in the form of a circular cylindrical disc has attached thereto on its upper side a doll 12 which projects upwardly therefrom and is sheathed in a gown 14, the lower end of which projects well below the under side of the base, as will be readily understood upon reference to Figure 1.

Fixed to the under side of the base as by screws 16 is a frame designated generally 18 which comprises a base plate 20 carrying depending ears 22 and 24 in which a shaft 26 is mounted. A conventional music box drum 28 is mounted for rotation on the shaft 26 and carries on its periphery spaced outstanding radial pins 30. Carried by the base 20 in spaced relation to the depending ears and projecting from the under side thereof is a block 32 upon which conventional forks 34 are mounted with their ends lying in close proximity to the drum 28 so that as the drum rotates, the forks 34 will be engaged by

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the pins 30 and caused to vibrate thereby producing musical sounds. Fixed to the drum adjacent one end thereof is a worm gear 36, and carried by the base adjacent the worm gear is a depending boss 38 provided with a recess 40 for a purpose to be more fully hereinafter described. Carried at the lower end of the depending ear 24 is a horizontally extending ear 42 which is provided with an opening 44 which extends there-through in axial alignment with the recess 40 in the boss 38. A worm 46 is mounted for rotation in the recess 40 and extends through the opening 44, and this worm terminates at its lower end in an extension 48 to which an elongated handle 50 is connected. As illustrated in the drawings the worm 46 meshes with the worm gear 36 so that when the handle 50 is rotated about its axis, the drum 28 will be rotated to produce musical sounds. Owing to the fact that the handle 50 extends axially with relation to the worm 46, and owing to the fact that the musical device 18 is situated substantially in the middle of the bottom of the base 10, it will be evident that the handle 50 lies eccentric with relation to the axis of the base 10 so that when the device is swung in a circular motion about the axis of the handle 50, the drum 28 will be rotated. Simultaneously with this motion the gown 14 on the doll 12 will tend to fly outwardly thus producing the effect of a dancing doll. The result will be that the doll appears to dance to the music being played by the music box movement 18.

While in the foregoing there has been shown and described the preferred form of this invention, it is to be understood that minor changes in the details of construction, combination and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

We claim:

A musical doll comprising a circular base, a handle carried by the base and extending downwardly therefrom, said handle being rotatable relative to said base about an axis which lies eccentric to the axis of the base, a music box movement mounted on the lower side of the base adjacent to the handle, driving means between said handle and said music box movement, the doll being mounted on the top side of the base, a gown on the doll depending therefrom about and below the music box movement, a frame mounted on the lower side of said base and supporting the tone producing elements of the said movement in parallel relation with respect thereto, a rotary

member journalled horizontally in said frame for actuating said elements, a worm wheel carried at one end of said member, and a vertically disposed worm journalled at its ends in said frame and meshing with said worm wheel, and said handle having its upper end connected to the lower end of said worm.

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