

No. 753,043.

PATENTED FEB. 23, 1904.

C. A. CLEAL.
ROUNDAABOUT.

APPLICATION FILED OCT. 9, 1902.

NO MODEL.

Fig. 1.

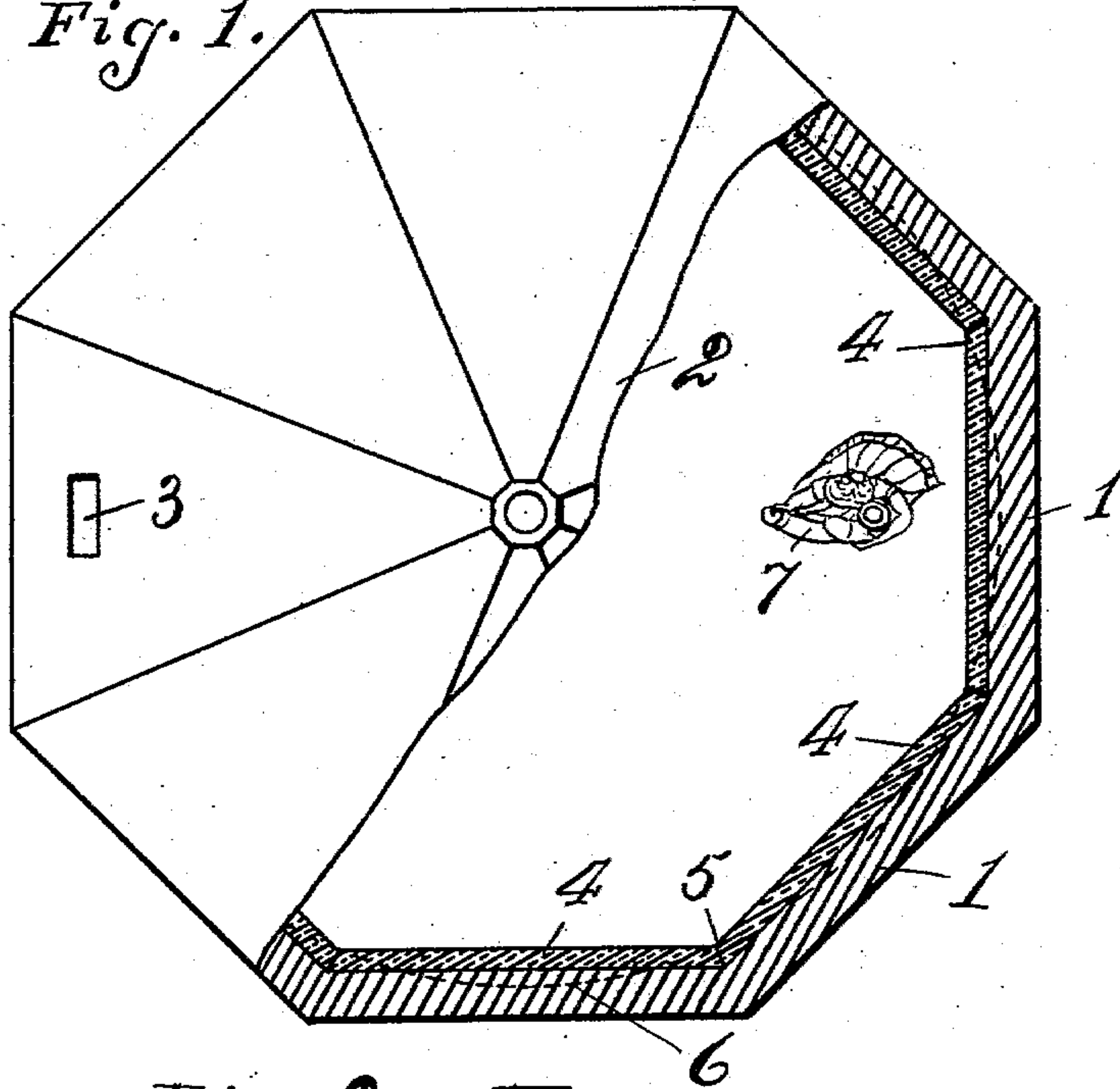
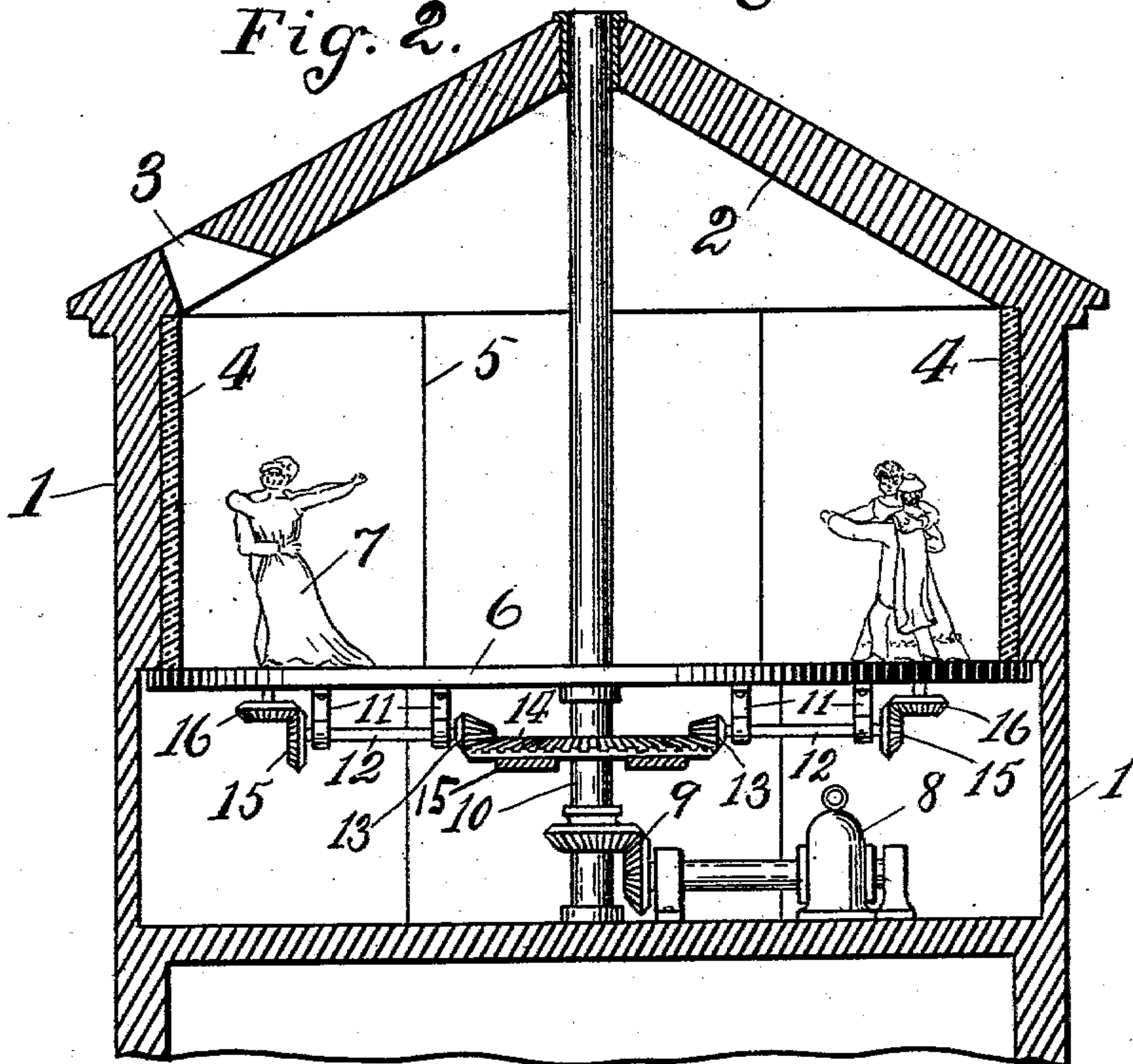


Fig. 2.



Witnesses

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CHARLES A. CLEAL, OF CAPITOLA, CALIFORNIA.

ROUNABOUT.

SPECIFICATION forming part of Letters Patent No. 753,043, dated February 23, 1904.

Application filed October 9, 1902. Serial No. 126,525. (No model.)

To all whom it may concern:

Be it known that I, CHARLES A. CLEAL, a citizen of the United States, residing at Capitola, in the county of Santa Cruz and State of California, have invented certain new and useful Improvements in Roundabouts, of which the following is a specification.

My invention relates to improvements in toy roundabouts, the object of my invention being to provide a device of this character which shall afford a novel and pleasing spectacle upon being set in motion. In pursuance of this object I provide a platform upon which are mounted a number of figures to which are given movements independent of or in addition to the movement of the platform—for instance, that of dancing couples or cyclists or acrobatic figures. This platform and these figures are inclosed within a casing having walls in the form of a polygon, and upon said walls are mounted mirrors. The walls are covered in at the top, and through said cover is an aperture for inspecting the platform and the figures. The effect of the mirrors is to increase in a manifold degree the number of figures seen through the aperture, and thus to present a very pleasing illusion.

In the accompanying drawings, Figure 1 is a plan view of my improved apparatus, the cover being broken away to show the interior; and Fig. 2 is a vertical section of the apparatus.

Referring to the drawings, it will be seen that the apparatus comprises, first, a casing having vertical walls 1 and closed at the top, as shown at 2, except for an aperture 3 for inspection. Vertical mirrors 4 are arranged in the form of a polygon around the walls at angles with each other less than two right angles and fitting closely against each other at their sides, as shown at 5. The aperture 3 flares inwardly and is sufficiently contracted on the outside, and the mirrors 4 extend to a sufficient height around the walls that no part of the casing above the mirrors is exposed to view through said aperture. A platform 6 revolves within the casing, its edge being extended underneath the lower edges of the mirrors 4 and being concealed thereby. Upon

this platform 6 are figures 7, which I have in the present instance shown as those of dancers, although any other appropriate moving figures, as of skaters, acrobats, bicycle-riders, or persons sleighing, may be used. In order to revolve the platform, there is provided a motor 8, connected by gearing 9 with the vertical shaft 10 of the platform. Upon the under side of the platform are secured bearings 11 for horizontal radial shafts 12, which carry at their inner ends beveled pinions 13, meshing with a fixed beveled wheel 14, suitably secured by transverse cleats 15. The outer ends of said horizontal shafts carry beveled wheels 15, meshing with other beveled wheels 16, secured to the axis of the moving figures. Thereby through the revolution of the platform an additional movement is imparted to said figures.

I claim—

The apparatus of the character described comprising a casing having vertical walls and closed at the top except for an aperture for inspection, vertical mirrors arranged in the form of a polygon around the walls at angles with each other each less than two right angles and fitting closely against each other at their sides, the aperture flaring inwardly and sufficiently contracted on the outside, and the mirrors extending to a sufficient height around the walls that no part of the casing above the mirrors is exposed to view through said aperture, a platform revolving within the casing, the edge of the platform being extended underneath the lower edges of the mirrors and being concealed thereby, figures on the platform, means for revolving the platform, and means actuated by the revolution of the platform for imparting an additional movement to said figures, substantially as described.

In witness whereof I have hereunto set my hand in the presence of two subscribing witnesses.

CHARLES A. CLEAL.

Witnesses:

ANNA CLEAL,

EDGAR G. CLEAL.