

Jan. 30, 1951

H. SKREBERG
ROTATABLE FLOOR

2,540,013

Filed Feb. 11, 1946

2 Sheets-Sheet 1

Fig. 1.

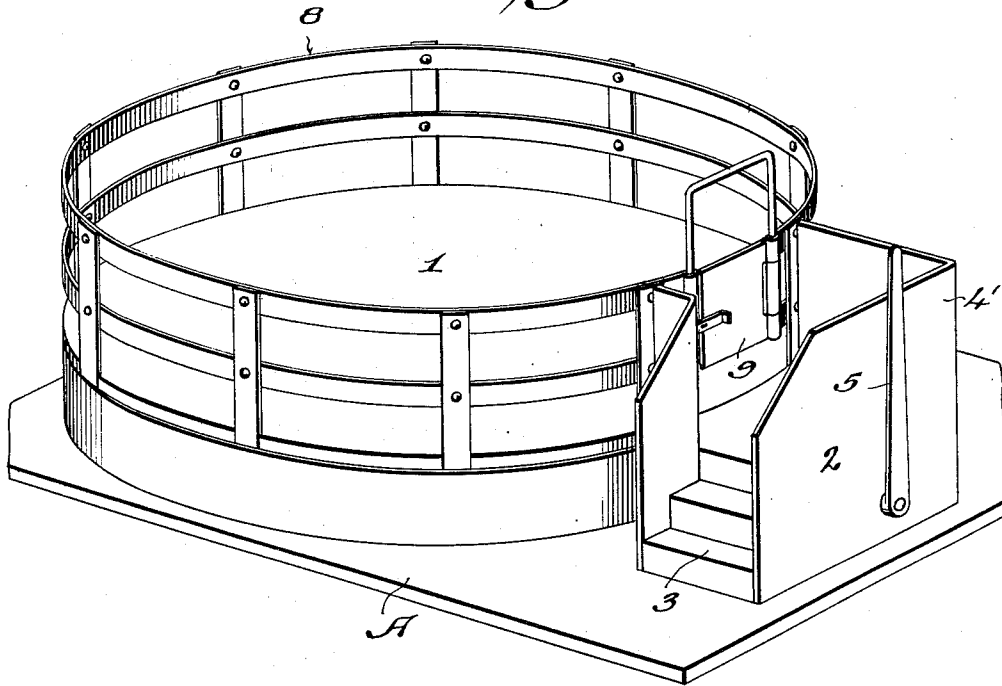
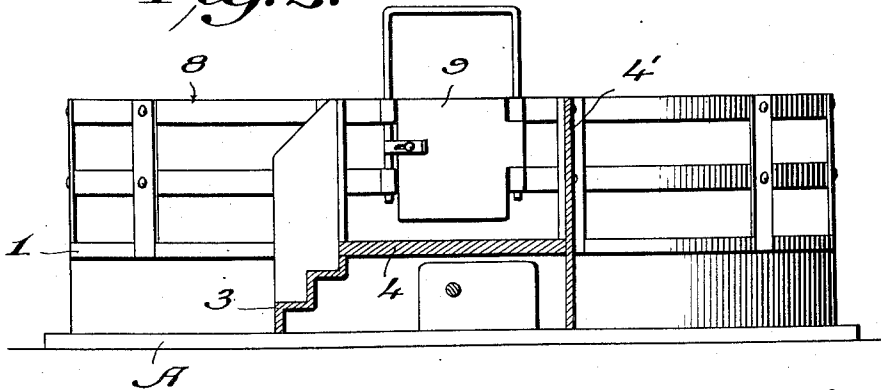


Fig. 2.



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Fig. 3.

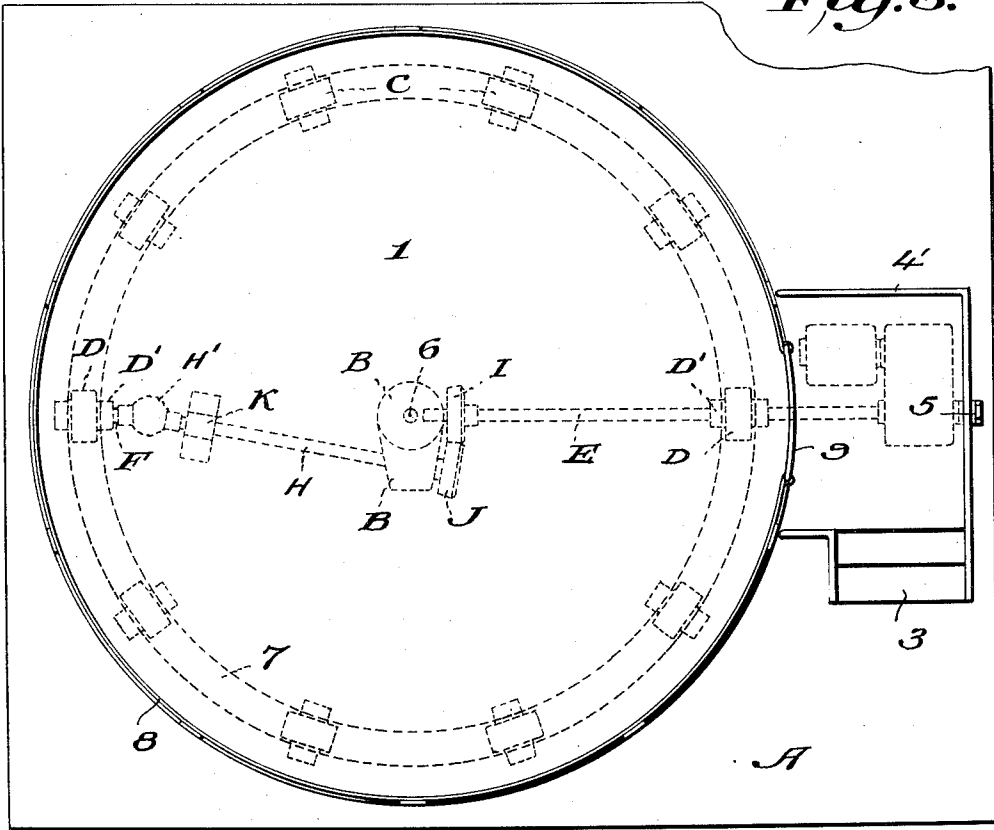
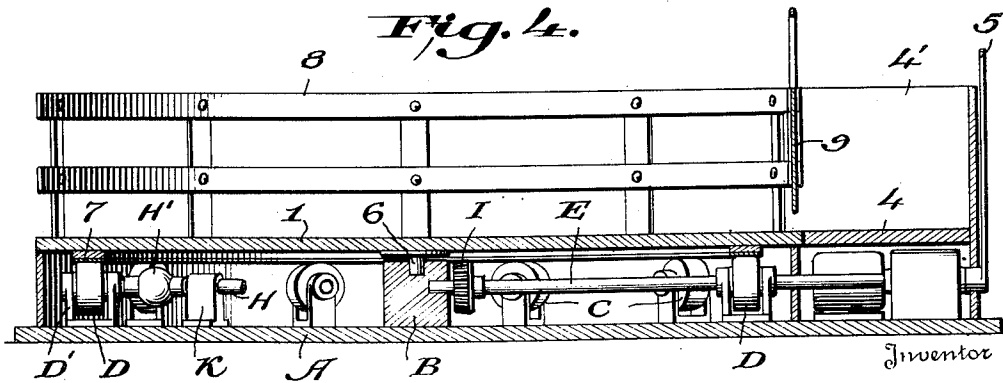


Fig. 4.



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UNITED STATES PATENT OFFICE

2,540,013

ROTATABLE FLOOR

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Application February 11, 1946, Serial No. 646,949

1 Claim. (Cl. 272-46)

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An object of my present invention is to not only provide a device for amusement and recreation, for fairs, parks, etc., but a medium that may prove to have beneficial therapeutic influence in promoting health as well as assisting in relieving or curing many kinds of nervous and other ailments.

While I do not limit myself as to any specific size of my rotatable floor, I propose a diameter of sixteen or eighteen feet floor for amusement and recreation purposes, and larger or smaller sizes for special uses. The theoretical healing angle of my invention involves mild centrifugal force which results from the floor's rotation. The position of the person sitting or lying on the floor is important. To illustrate: With head close to floor's axis and feet extending outwards towards periphery of the floor, blood stimulus towards the feet would result.

My rotatable floor will be operated by means of an electric motor, or gasoline or other engine; and for dancing, roller-skating, etc., can be quickly stopped or started by means of a planetary or other suitable gearing placed intermediate the source of mechanical power and the floor rotating mechanism, and floor can be rotated either clockwise or anti-clockwise.

My rotatable floor may be placed either on a portable platform or on a permanent floor. In operation, an attendant occupies a platform adjacent to and on level with rotatable floor. Persons about to enter onto the floor walk up a short flight of stairs to the platform, and from the platform enter onto floor through a gate in the railing surrounding the extreme outer edge of the floor. Persons leaving the floor steps from the floor onto the platform walk down the flight of stairs.

Safety from injury both when entering onto floor as well as when dancing or roller skating, etc., on the floor has been provided for. Not shown in the drawings is a safety wall that will surround the machinery located on the platform under the rotatable floor, so that no domestic animals, pets, or children, can get under the rotatable floor and suffer bodily injury.

Similar reference characters designate corresponding parts throughout the several figures of the drawing.

Figure 1 is a perspective view of the invention;
Figure 2 is a side elevation partly in section;
Figure 3 is a plan view of the construction shown in Figure 1;

Figure 4 is a vertical cross sectional view taken transversely of Figure 3.

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As shown in Fig. 3, in drawings, the platform A, has a plurality of rollers arranged in a circle around an axis B, all rollers having resilient or pneumatic tires. These rollers are designated C and D, and if the total number of rollers number ten, as shown in the drawing, eight of these rollers, which are designated as C, form supporting rollers for the rotatable floor 1, and two of the rollers, designated as D, form the driving rollers for the floor 1. The rollers D are secured to shafts E and F, and the extreme outer end of a main shaft E connects with a transmission and motor or engine; the said shaft E extending into a "power house" where the motor or engine is located, while the opposite end of shaft E has a spur gear I, that engages a spur gear J secured to one end of a secondary shaft H, the opposite end of shaft H connecting by means of a universal joint H' with a shaft F. D' are journals for shafts E and F and are placed at opposite sides of the rollers D. The pivot block B has journals for shafts E and H adjacent to the spur gears I and J, and the shaft H has a journal K adjacent the universal joint H'.

The "power house" unit 2, comprises the stairway section 3, and the platform 4, and both the stairway and the platform have a railing or wall 4'.

The lever 5 operates the starting, stopping, and motion-reversing gears between the power plant and the shaft E. The attendant standing on the platform 4 has control of both the power gear lever 5, and the entrance-exit gate 9.

In Figure 3 the mechanism beneath the floor is shown in dotted lines. This mechanism includes the pivot 6 which engages the hole in pivot block B in the platform A and the circular track 7 that rests on and engages the rollers C and D.

The said floor 1 is surrounded by a guard rail 8 and the floor is accessible through the entrance-exit gate 9.

It is believed that from this description, and the drawings forming a part of this specification, that my invention has been fully described and shown, and that all supporting and driving rollers must be arranged so that contact is made by the tires on the rollers on the track on the underside of the floor. The driving rollers are preferably of larger diameter, and have bigger tires than the supporting rollers.

I claim:

An amusement device or the like, comprising, a platform, a central pivot block thereon having a socket, a circular floor, a bearing plate at the

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underside of the floor and having a pivot pin fitting in said socket, a plurality of resilient floor supporting rollers journaled on the platform in diametrically disposed arcuate groups and rotatably supporting the outer portion of the floor, a pair of oppositely rotatable resilient floor driving rollers located approximately 180° apart and between said groups of floor supporting rollers, manually controlled power means including a main shaft disposed radially to the axis of the floor and medially carrying one of said floor driving rollers, said shaft having its inner end journaled in the side of the central block, journal means on the platform for supporting the other of said rollers and means for driving said last mentioned roller, said means comprising, a gear on the inner end of the main shaft near the block, a secondary shaft disposed obliquely to the main shaft and having its inner portion journaled tangentially in the central block, a journal on the

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platform for supporting said secondary shaft adjacent the other of said driving rollers, a universal joint connecting the outer end of the secondary shaft with said other of said driving rollers, and a gear on the inner end of said secondary shaft meshing with said gear on the inner end of the main shaft.

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