P. STEINERT.

ROUNDABOUT.

APPLICATION FILED JAN. 3, 1912.

1,041,187. Patented Oct. 15, 1912.

A-B. *Fig. 1.* B-C.

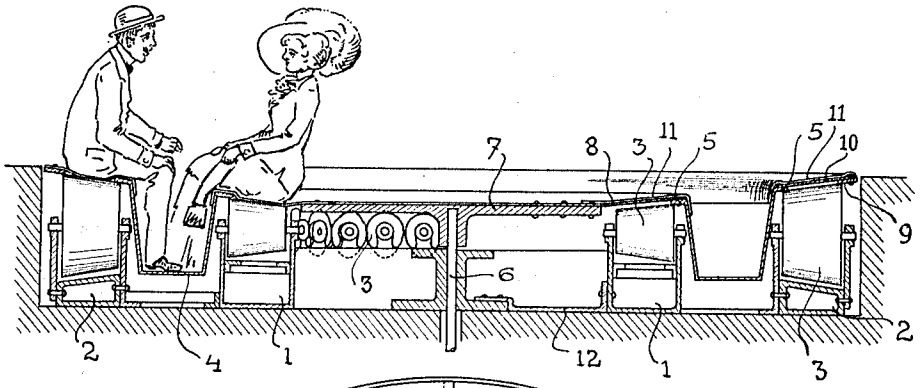
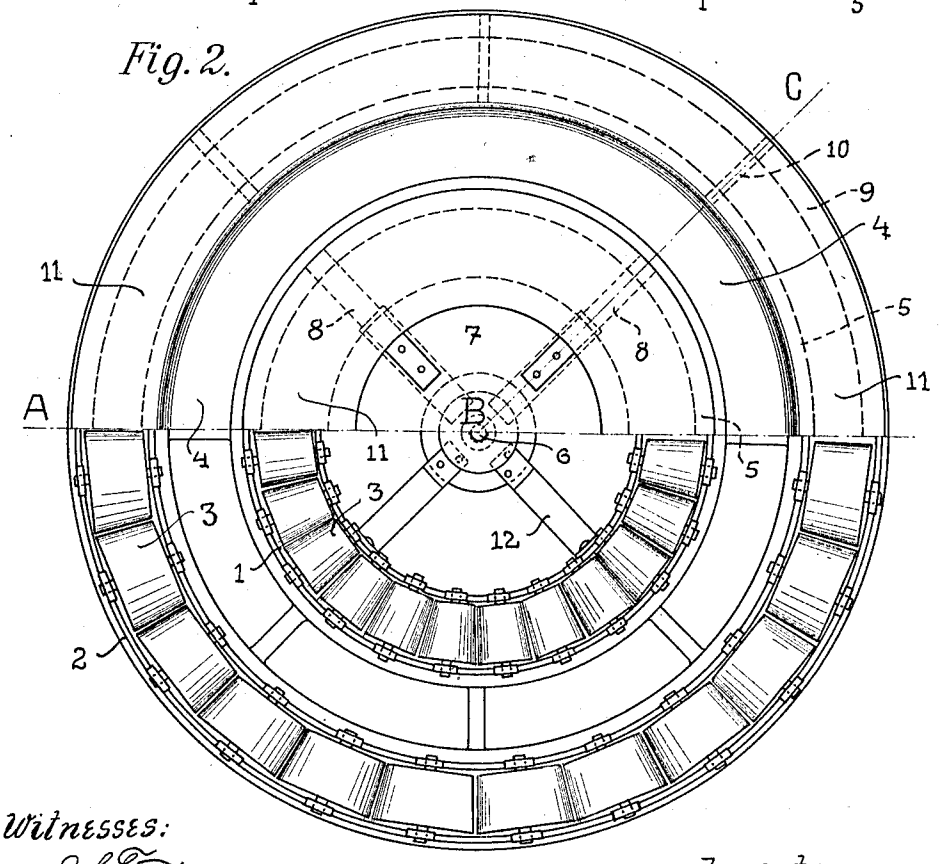


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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ROUNDABOUT.

1,041,187. Specification of Letters Patent. Patented Oct. 15, 1912.

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To all whom it may concern:

Be it known that I, PAUL STEINERT, a subject of the Emperor of Germany, residing at Dresden, Germany, have invented certain Improvements in Roundabouts, of which the following is a specification.

The present invention relates to a roundabout for popular amusement and consists in the provision of rotatable rollers, wheels, balls, or the like, arranged in circular series, resilient hammocks or bands being moved over said rotatable elements by a revolving frame so that passengers, seated or otherwise disposed on the bands, will be carried by the same in an undulating manner.

In the accompanying drawings, the invention is illustrated by way of example, Figure 1 representing a vertical section of the apparatus along the line A—B—C of Fig. 2, and Fig. 2, a plan of the same with partly removed top cover.

In the example shown two concentric series of rollers 3 are mounted in stationary bearing frames 1 and 2, the latter being connected by means of radiating arms 12 to a center post. A U-sectioned ring 4 is placed between the roller series, this ring having outwardly directed flanges 5 by means of which it is supported on the rollers. In the center post of the apparatus a vertical shaft 6 is mounted which is adapted to be rotated in any suitable known manner. This shaft carries on its upper end a circular platform 7 which is connected by a plurality of radiating arms 8 with the ring 4. The effect of rotating the shaft 6, therefore, is to cause the ring 4 to revolve on the rollers 3. Another ring 9 is supported on the outer edge of the outer roller series and is connected to the ring 4 by arms 10 so as to participate in the movement of the latter ring. The rollers are made slightly conical so as to compensate for the relatively high speed of the ring 9 due to its greater distance from the center. The spaces between the rings 9 and 4 and between the latter and the platform 7 are covered with resilient bands 11 which are thus supported on the rollers. These bands are secured to the ring 9 and to the platform 7 respectively so as to participate in the movement, their free edges being lapped over the edges of the ring 4 as shown in Fig. 1.

The apparatus is employed as shown in Fig. 1, the passengers being seated on the bands 11 with their legs disposed within the ring 4. As the bands revolve about the shaft 6, over the rollers, they will be depressed between the latter, the passengers being thus carried around in an undulating manner.

By arranging the bands more or less loose on the rollers and by varying the distance between the latter, different effects may be produced.

I claim:—

1. A roundabout comprising circular series of rotatable elements, resilient bands supported on said elements, and means for moving said bands over the rotatable elements, substantially as and for the purpose set forth.

2. A roundabout comprising circular series of rollers mounted in stationary bearings, resilient bands supported by said rollers, and a revolving frame to which said bands are connected so as to move over the rollers, substantially as and for the purpose set forth.

3. A roundabout comprising several concentric series of rollers mounted in stationary bearings, resilient bands supported on said rollers, and means for moving the bands over said rollers about a common center, substantially as and for the purpose set forth.

4. A roundabout comprising two concentric series of rollers mounted in stationary bearings, a U-sectioned ring arranged between the series and supported on the rollers, a centrally disposed revolving platform, arms connecting said platform with the U-sectioned ring, a ring supported on the outer edge of the outer roller series, arms connecting said latter ring with the U-sectioned ring, and bands supported on the rollers and connected to the revolving elements so as to participate in the movement, substantially as and for the purpose set forth.

PAUL STEINERT.

Witnesses:
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