H. C. REED.

TURNTABLE FOR USE IN ROAD BUILDING.

APPLICATION FILED JAN. 29, 1920. RENEWED SEPT. 10, 1920.

1,365,953. **Patented Jan. 18, 1921.**

2 SHEETS—SHEET 1.

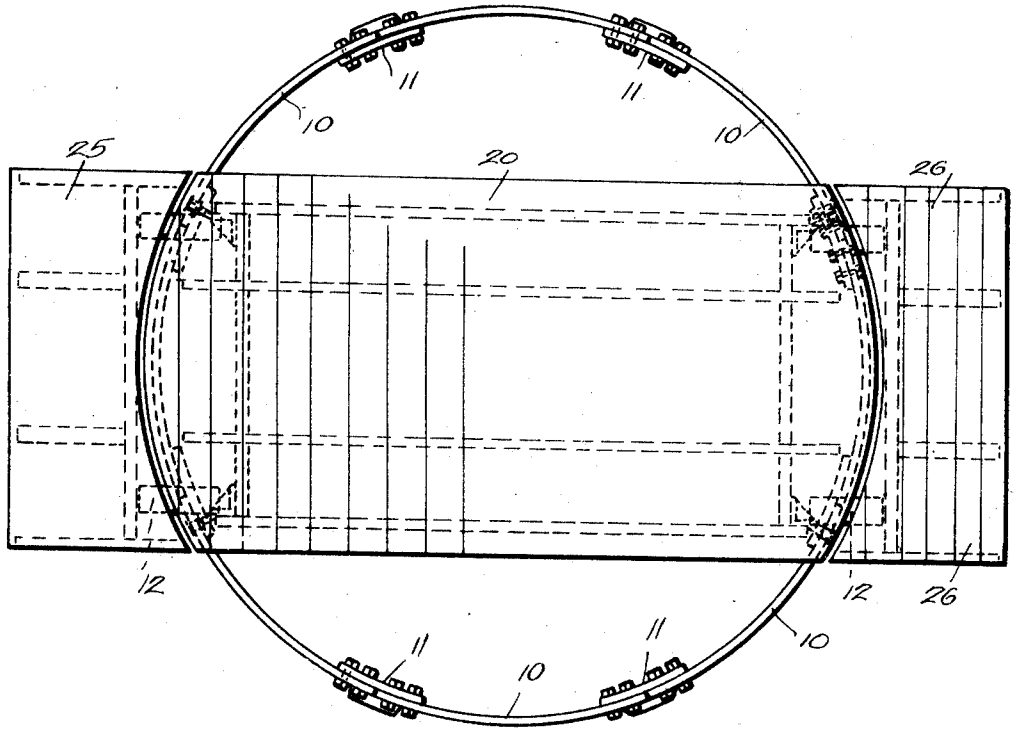


FIG. 1

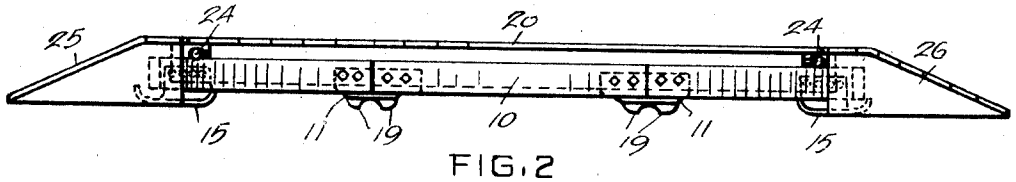


FIG. 2

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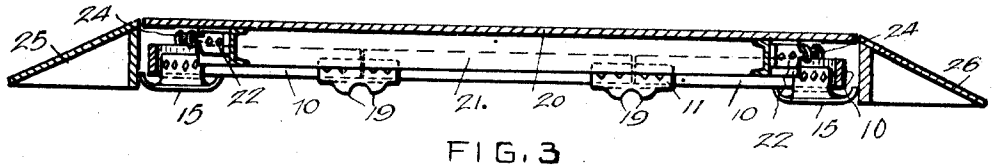


FIG. 3

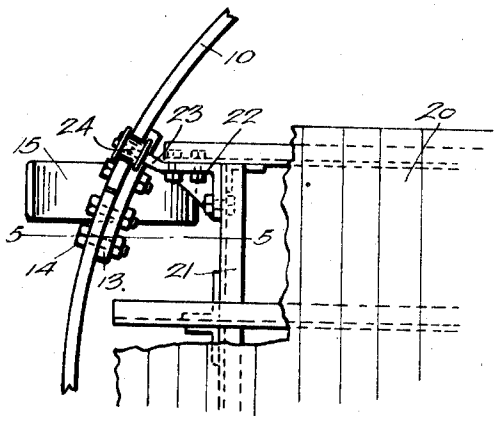


FIG. 4

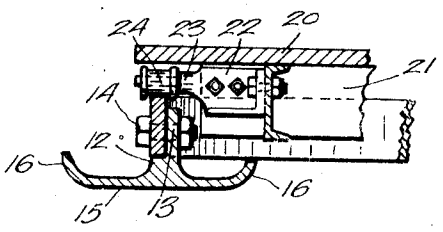


FIG. 5

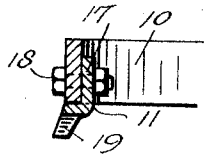


FIG. 6

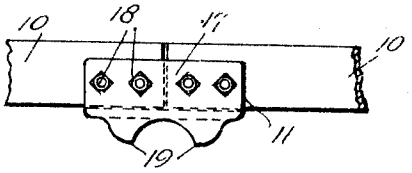


FIG. 7

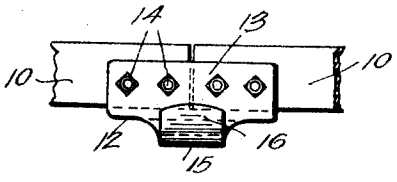


FIG. 8

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UNITED STATES PATENT OFFICE.

HASTINGS C. REED, OF ALPHA, OHIO.

TURNTABLE FOR USE IN ROAD-BUILDING.

1,365,953. Specification of Letters Patent. Patented Jan. 18, 1921.

Application filed January 29, 1920, Serial No. 355,011. Renewed September 10, 1920. Serial No. 409,489.

To all whom it may concern:

Be it known that I, HASTINGS C. REED, a citizen of the United States of America, residing at Alpha, in the county of Greene and State of Ohio, have invented certain new and useful Improvements in Turntables for Use in Road-Building, of which the following is a specification.

My present invention relates generally to road building, and more particularly to turntables for use in turning loaded or unloaded wagons, trucks and the like within limited space in order to avoid the necessity of manipulation under their own power as well as the wear and tear upon a roadbed or newly formed road surface, and my object is the provision of a readily portable device of this nature which may be easily shifted from place to place in the course of and during road building, as well as one which may be easily knocked down for transportation in compact form between operations.

With these and certain other objects including the provision of a turntable capable of seating flatwise without undue strain upon a crowned or uneven supporting surface, my invention resides in the features to be now described with respect to the accompanying drawings, which form a part of this specification, and in which,

Figure 1 is a top plan view of the device complete,

Fig. 2 is a side elevation,

Fig. 3 is a vertical section therethrough,

Fig. 4 is an enlarged top plan view of a portion thereof, certain sections of the platform being broken away,

Fig. 5 is a vertical section taken substantially on line 5—5 of Fig. 4,

Figs. 6 and 7 are respectively a vertical section and a side elevation of one of the supporting feet, and,

Fig. 8 is a side view of one of the supporting skids.

Referring now to these figures my invention proposes a portable turntable including a ring in a plurality of segmental sections 10, these sections being detachably connected at their adjacent ends to form the complete ring by a plurality of connecting members 11 and 12, the connecting member 12 being disposed in spaced parallel relation at diametrically opposite sides of the complete ring and having upper flanges 13, connected by bolts 14 and the like to the abutting ends of adjacent ring sections, and having lower skids 15 whose opposite ends are upturned or upwardly curved as indicated at 16 and seen particularly in Figs. 5 and 8, so as to avoid to a considerable degree breaking of the roadway surface in shifting the turntable along the roadway as is done from time to time.

The other connecting members 11, one of which is particularly seen in Figs. 6 and 7, have upper flanges 17 connected by bolts 18 to adjacent ring sections 10, are provided with depending spaced ground engaging feet 19 so that in consideration of their particular formation and their spaced location circumferentially of the complete ring as well as their spaced location with respect to the connecting members 12 in the form of skids, it is obvious that the turntable ring as a whole may be readily supported upon a crowned on uneven roadway surface without the strain which is incident to the usual turntable ring whose lower edge directly engages the ground in operative position.

The platform 20 of the turntable is formed by cross planks over a rectangular frame 21, whose greatest length is less than the inner diameter of the complete ring so that the platform, or more particularly its frame, is located entirely within the limits of the ring in every position thereof where it is properly engaged with the ring, thus avoiding any danger of overturning of the load, and at the same time avoiding the necessity of a careful centering of the load. At its four corners the frame 21 of the platform has angular brackets 22 terminating in outwardly projecting spindles 23, and upon these spindles are mounted rollers 24 which engage the upper surface of the ring 10, the rollers being preferably of the grooved type in order to prevent the platform from sliding into displaced relation to the ring.

The inclined runway pieces 25 and 26 may be formed in any suitable manner and in practice are placed at diametrically opposite sides of the ring with their inclined upper surfaces extending from the ground level to the level of the elevated platform 20, making it a simple matter to run a truck, wagon and the like, in loaded or unloaded condition upon the turntable platform so that the vehicle can be readily turned upon its vertical axis without the time consuming manipulation of the vehicle in turning un-

der its own power, and without scarring or otherwise destroying the roadbed or a newly formed roadway surface.

It is thus obvious that my invention provides a convenient portable apparatus of particular advantage in the building of roadways, and which in its movement from time to time may be readily shifted upon the skids 15, the runways 25 and 26 being simply lifted and carried to the new location and then replaced in proper relation to the turntable ring.

It is of course obvious that in the use of the device the ring will be so disposed as to bring its skids 15 into parallel relation with the center line of the roadway, and it is obvious that for convenience in transportation between operations, the platform as a whole may be lifted off of the ring and the latter disjointed and knocked down by detachment of its several sections through the removal of the connecting members.

I claim:

1. A portable turntable comprising a ring having spaced depending supports, and a platform located wholly within the ring, having a frame provided with outwardly projecting supports carrying rollers in engagement with the ring.

2. A portable turntable comprising a ring having circumferentially spaced ground engaging supports arranged to hold the ring in elevated relation upon a supporting surface, and a platform located wholly within the ring, having an upper supporting surface, and a lower frame, angular brackets connected to the frame at its corners and terminating in outwardly projecting spindles, and rollers mounted on the spindles and engaging the ring as described.

3. A portable turntable comprising a sectional ring, means connecting the sections of the ring and having depending portions forming ground engaging supports located at spaced points around the ring, and a platform having roller mounted supports in engagement with the ring.

4. A portable turntable comprising a sectional ring, and a platform having roller mounted supports in engagement with the ring, said ring having ground engaging members detachably connecting its said sections to support the ring in elevated relation to the ground.

5. A portable turntable comprising a sectional ring, and a platform having roller mounted supports in engagement with the ring, said ring having connecting members detachably uniting its said sections and depending therebelow to form spaced ground engaging supports.

6. A portable turntable comprising a sectional ring, and a platform having roller mounted supports in engagement with the ring, said ring having connecting members detachably uniting its said sections and depending therebelow to form spaced ground engaging supports, and certain of which ground engaging supports are in the form of skids located in spaced parallel relation at diametrically opposite sides of the ring, as described.

In testimony whereof I affix my signature.

HASTINGS C. REED.