

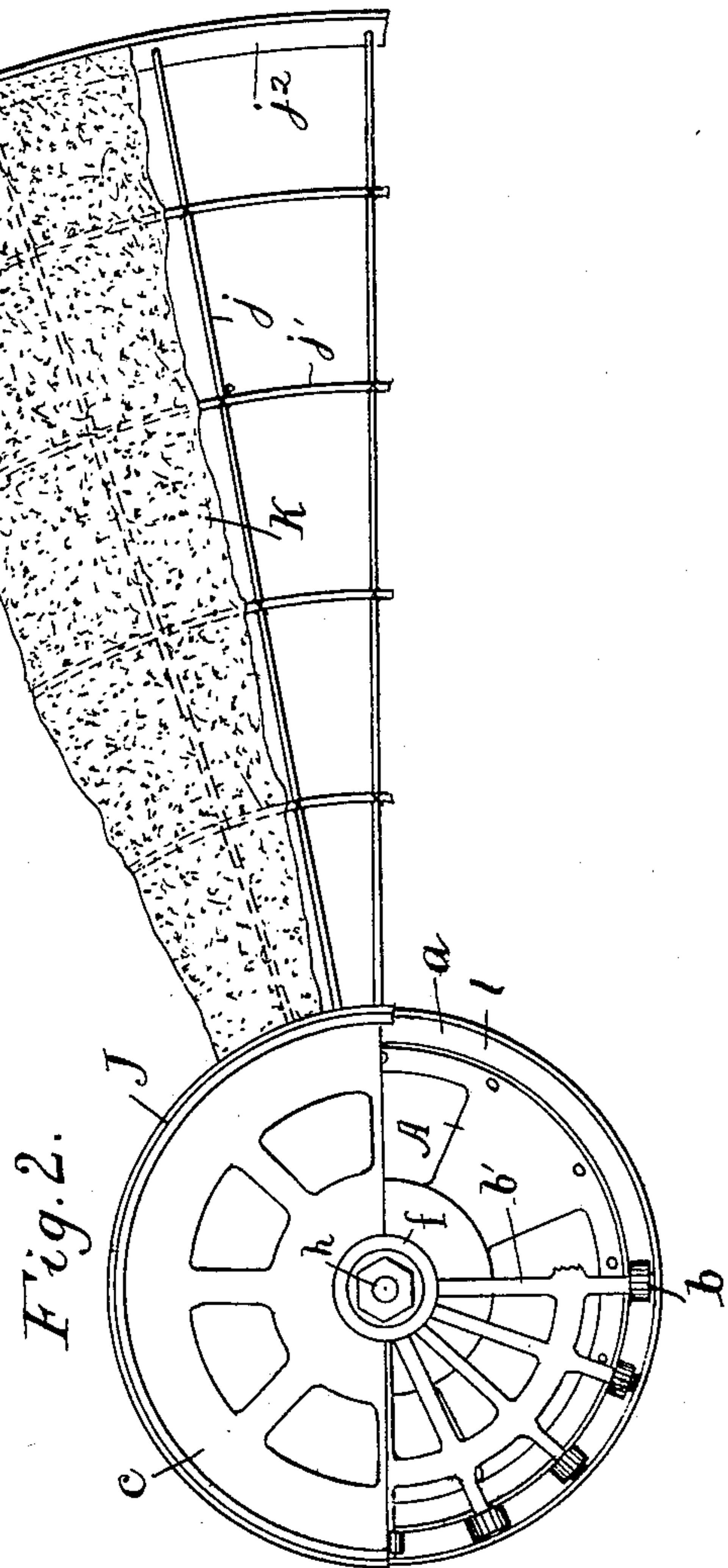
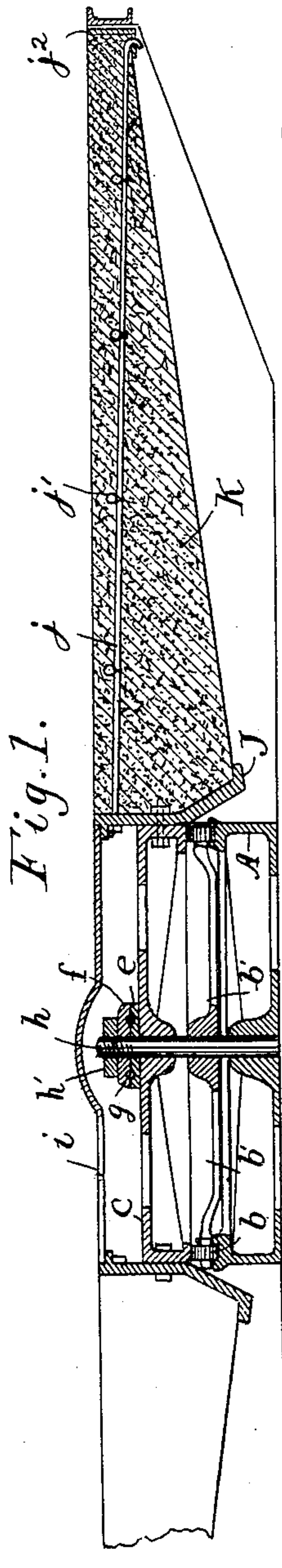
H. R. STICKNEY.

TURN TABLE.

APPLICATION FILED DEC. 2, 1908.

948,352.

Patented Feb. 8, 1910.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

HENRY R. STICKNEY, OF PORTLAND, MAINE.

## TURN-TABLE.

948,352.

Specification of Letters Patent.

Patented Feb. 8, 1910.

Application filed December 2, 1908. Serial No. 465,641.

*To all whom it may concern:*

Be it known that I, HENRY R. STICKNEY, a citizen of the United States of America, and a resident of Portland, county of Cumberland, State of Maine, have invented certain new and useful Improvements in Turn-Tables, of which the following is a specification.

My invention relates to a turntable suitable for use in automobile garages and it relates particularly to an improved construction of the device described in my Letters Patent No. 813,462 issued Feb. 22, 1906.

In my original patent there was a central annular frame resting upon antifriction rollers, these rollers running on an annular track formed in the bedpiece. A pivoting pin extended upward from the bed through the annular frame and a ball bearing connection was provided between the annular frame and the upper end of the pin to receive the upward thrust. The body of the table was composed of beams extending from this central frame to the outer edge of the turntable, these beams being trussed and covered with suitable planking.

I found in actual use that there is a serious objection in automobile garages to the use of wood floors or any wooden construction which is liable to get soaked with oil and to accidentally take fire.

The object of my present invention is to provide a substitute for the plank covered body portion of my turntable which shall be absolutely fire proof, which may be cheaply made and easily built and strong and stiff in construction conforming to the concrete floors now in common use, and these objects I attain by the use of the device hereinafter described which consists essentially of an annular body or disk of reinforced concrete supported by the pivoted center constructed preferably as shown in my prior patent.

I illustrate my invention by means of the accompanying drawing in which is shown a turntable constructed according to my present invention.

In the drawing, Figure 1 is a central vertical section and Fig. 2 is a plan with certain portions cut away and removed.

At A is shown the case constructed of an annular casting having an annular track on its upper portion preferably formed with side flanges whereby it may retain a quantity of oil for lubrication. Running in the track

are the antifriction rollers *b* journaled to a suitable spider *b'*. Resting on the rollers is an annular frame composed as here shown of a circular casting *c* which rests directly on the rollers and a circular ring *J* which embraces the casting *c* and is bolted to it.

*h* represents the pivoting pin, *e* and *f* the thrust plates, *g* the bearing balls between the plates and *h'* the nut holding the thrust plates in position, these parts so far described being essentially the same as shown in my prior patent above noted, with the exception of the annular ring *J*.

The ring *J* extends outside of the revolving mechanism and to a point near the base of the pit, the lower portion of the ring inclining outward and being provided with an outward extending flange on its lower edge. The space between the ring *J* and the outer edge of the turntable is composed of an annular disk of reinforced concrete the outer edge of the turntable terminating in a band *j*<sup>2</sup> made up of angle iron having an inward extending flange at its lower edge. Reinforcing rods *j* are shown as connecting the upper portion of the ring *J* with the flange of the ring *j*<sup>2</sup>. As here shown, the outer end of each rod *j* is hooked into the flange and the inner end extends through the ring *J* and is secured in place by a suitable bolt. Reinforcing rods *j'* cross the rods *j* at intervals forming concentric rings which are wired or otherwise secured to the radial rods *j* at the points of intersection. The space from the ring *J* out to the band *j*<sup>2</sup> is filled in with suitable concrete which is reinforced by the rods *j* and *j'* already described.

The operating parts of the device are protected by an iron plate *i* fitting in a rabbet formed in the upper portion of the ring *J* so that the plate comes flush with the surface of the concrete. In constructing the turntable the central working portion is erected in the usual way in a suitable pit and the reinforced concrete is laid in place in the usual manner. The reinforcing rods are shown of straight iron but they may be of corrugated or twisted iron or steel and they may extend through the mass of concrete in any direction to give the required strength.

While I have described and shown the central framework and the turning mechanism as constructed according to my prior patent, it may be otherwise constructed



while still giving the advantage of an annular body of concrete forming the main portion of the turntable.

I claim:—

- 5 1. The herein described turntable comprising a pivoted center and an annular disk of reinforced concrete secured to and supported solely by said center.
- 10 2. The herein described turntable comprising a central annular pivoted frame and an annular disk of reinforced concrete secured to and supported solely by said frame.
- 15 3. The herein described turntable comprising a central annular pivoted frame, an outer band embracing the outer edge of the turntable and a body of reinforced concrete connecting the central frame with the outer band.
- 20 4. The herein described turntable comprising a central annular pivoted frame, an outer band embracing the outer edge of the turntable, radial rods connecting said frame with the outer band and a concrete filling between the frame and the band.
- 25 5. The herein described turntable comprising a central annular pivoted frame, an outer band embracing the outer edge of the turntable, radial rods connecting the frame and the band and concentric annular rods crossing said radial rods and concrete filling between the frame and the band.
- 30 6. The herein described turntable comprising a base having an annular track, rolls adapted to run on said track, an annular frame resting on said rolls, a central pivoting pin extending vertically through said annular frame and an annular disk of reinforced concrete secured to said frame.
- 35 7. The herein described turntable com-

prising a base having an annular track, rolls 40 adapted to run on said track, an annular frame resting on said rolls, a central pivoting pin extending from said base through said frame, an antifriction bearing between said frame and the upper end of said pin 45 to receive the upward thrust and an annular disk of reinforced concrete secured to said frame to form the body of the turntable.

8. The herein described turn table comprising a central annular frame, an annular track for supporting said frame, means 50 for resisting the upward thrust on said frame, a disk of reinforced concrete supported by said frame.

9. The herein described turn table comprising a central frame, an annular track for supporting said frame, means for resisting the upward thrust on said frame and a disk of reinforced concrete supported by 60 said frame.

10. The herein described turntable comprising a central frame, an annular track for supporting said frame, a pivoting pin for resisting the upward thrust on said frame and a disk of reinforced concrete supported by said frame. 65

11. The herein described turn table comprising a central frame, a pivoting support for said frame and an annular disk of reinforced concrete supported solely by said 70 frame.

In witness whereof I have hereunto set my hand this 27th day of November, 1908.

HENRY R. STICKNEY.

Witnesses:

S. W. BATES,  
E. W. DENNIS.