

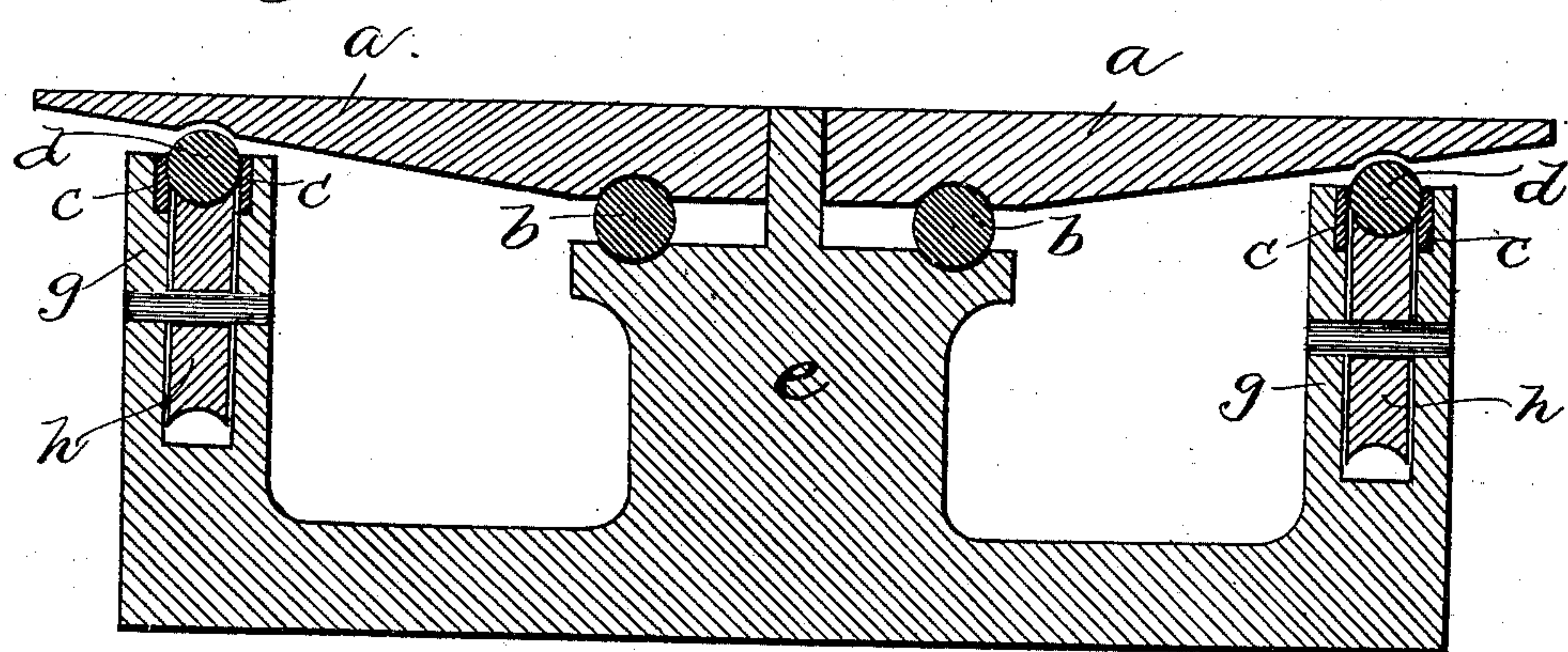
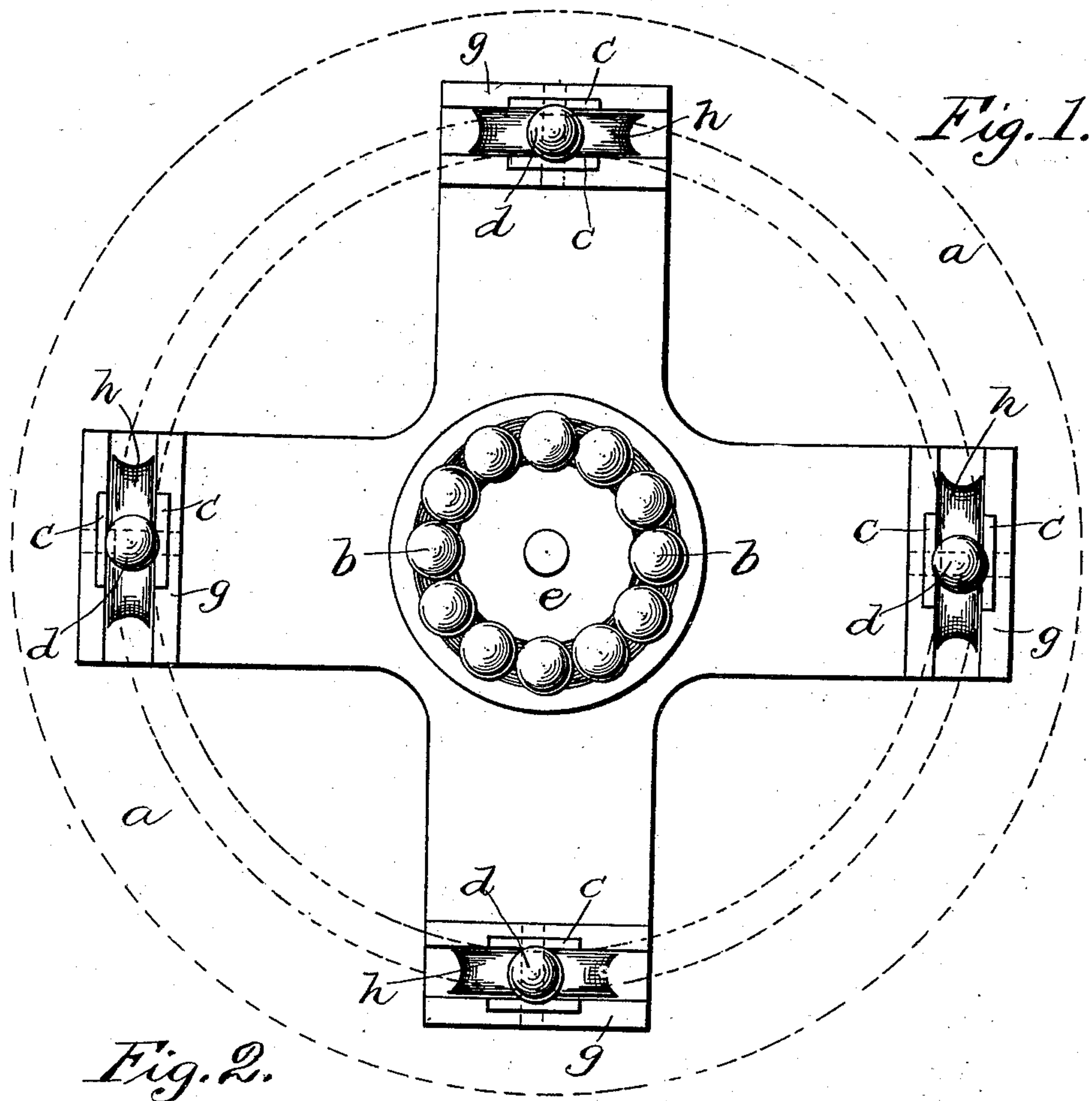
No. 664,460.

Patented Dec. 25, 1900.

E. BURR.  
TURN TABLE.

(No Model.)

(Application filed Oct. 28, 1899.)



Witnesses  
Albert Popkins.  
G. H. Thuma

Inventor  
Edgar Burr  
by *E. R. Dodge*  
his Attorney



# UNITED STATES PATENT OFFICE.

EDGAR BURR, OF RENO, NEVADA, ASSIGNOR OF ONE-HALF TO EDMUND R. DODGE, OF SAME PLACE.

## TURN-TABLE.

SPECIFICATION forming part of Letters Patent No. 664,460, dated December 25, 1900.

Application filed October 28, 1899. Serial No. 735,143. (No model.)

*To all whom it may concern:*

Be it known that I, EDGAR BURR, a citizen of the United States, residing at Reno, in the county of Washoe and State of Nevada, have  
5 invented an Improvement in Turn-Tables or Rotating Platforms, of which the following is a specification.

My invention relates to improvements in turn-tables or rotating platforms for turning  
10 locomotives, drawbridges, &c., being especially an improvement on platforms mounted on circular tracks set in a depression in the ground and bearing rails that connect with various tracks, so that a locomotive or car may  
15 be run onto the platform and turned about so as to run off on any of the tracks and either end foremost.

The objects of my improvements are to dispense with circular tracks entirely, and there-  
20 by avoid most or all of the friction of the wheels supporting the outer edge of the rotating platform or disk, and to lessen the friction of the platform or disk on the center bearing, thereby diminishing the power required  
25 to turn a table, platform, or disk or a drawbridge. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a top view of the turn-table as  
30 it appears after removal of the revolving platform, table, or disk; and Fig. 2 is a cross-sectional view.

Similar characters refer to similar parts in both views.

35 The table, disk, or bridge *a a* is supported by a sufficient number of case-hardened steel balls *b b* six inches or more in diameter, depending on the size and use of the structure, and the number depending on the diameter of

the circle or slot next hereinafter mentioned, 40  
said case-hardened balls running in a circular slot or groove or channel in the under side of the table, disk, or bridge around the center standard *e e*, and on these ball-bearings the  
45 table, disk, or bridge rests and revolves. Under the outer edge or end of the table, disk, or bridge mechanism are to be from four to forty iron chairs or upright standards *9 9*, with a slot in the upper end, in which there is  
50 a revolving wheel *h h*, with a concave face or surface. In the top of said chairs or standards, at either side of said wheel, there is a brass boxing in two pieces *c c*, set into either  
55 side of the inside of said slot in said chairs, in which said boxing is set a cast-steel ball *d d* eight inches or more in diameter, which rests on the top of said concave-faced wheel. Said  
60 chairs or uprights are set in a circular foundation, so that the tops of the balls therein are from two to eight inches below the under side of the table, disk, or bridge and are a support  
65 therefor when it is depressed by a locomotive, car, or other load being run on and off it or when it may be otherwise depressed.

What I claim as my invention, and for  
70 which I desire to secure Letters Patent, is—

A turn-table in which the outer circular track is dispensed with, and the outer edge of the platform or disk, when requiring it, is supported by cast-steel balls set in boxing  
75 and resting on concave-faced wheels set in chairs in a circular foundation, substantially as aforesaid.

EDGAR BURR.

Witnesses:

E. R. DODGE,  
G. H. THUNA.