H. M. VERPLANCK.

TURN TABLE.

APPLICATION FILED JUNE 17, 1911.

1,004,114.

Patented Sept. 26, 1911.

2 SHEETS—SHEET 1

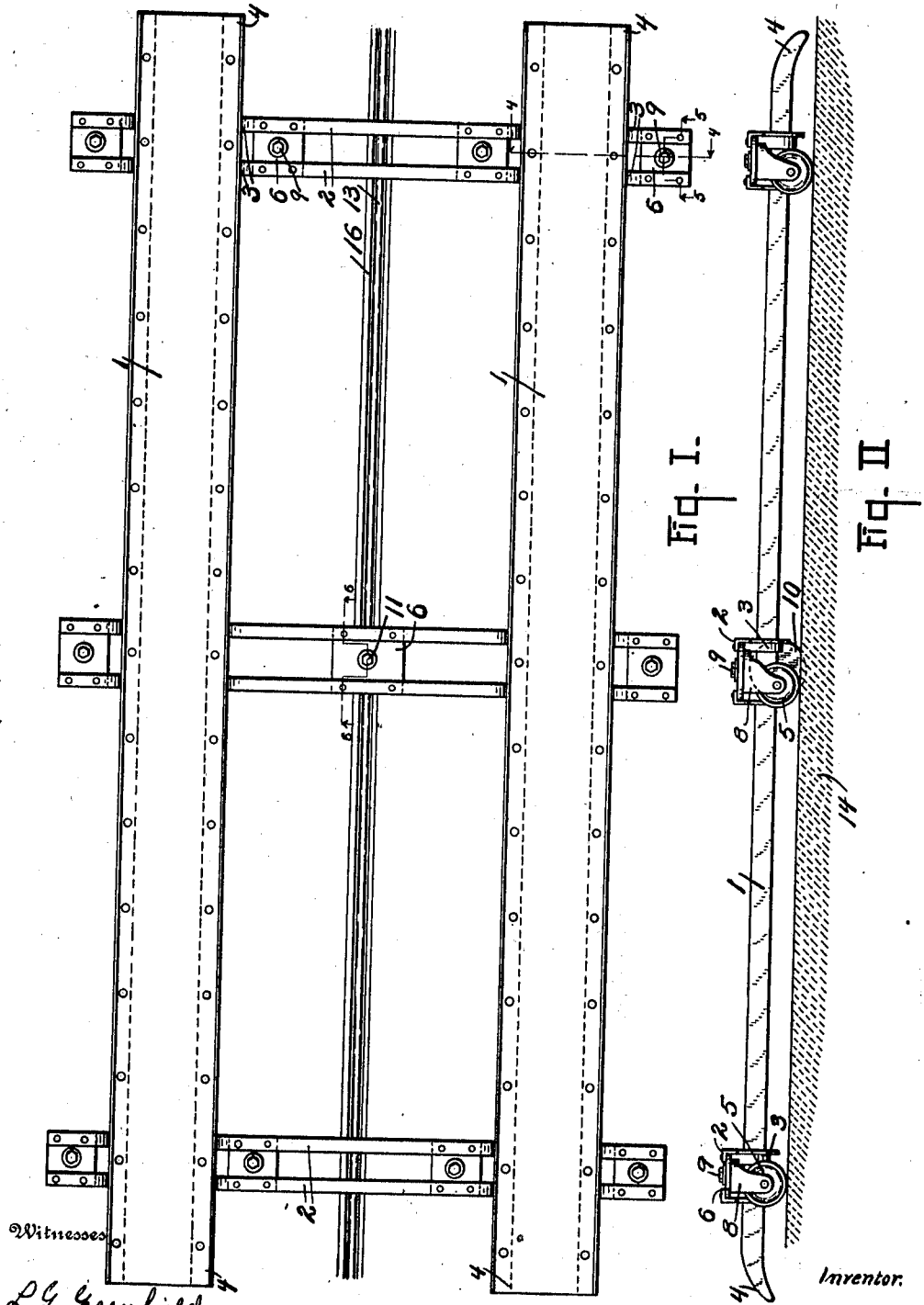

Fig. I.

Fig. II

Witnesses

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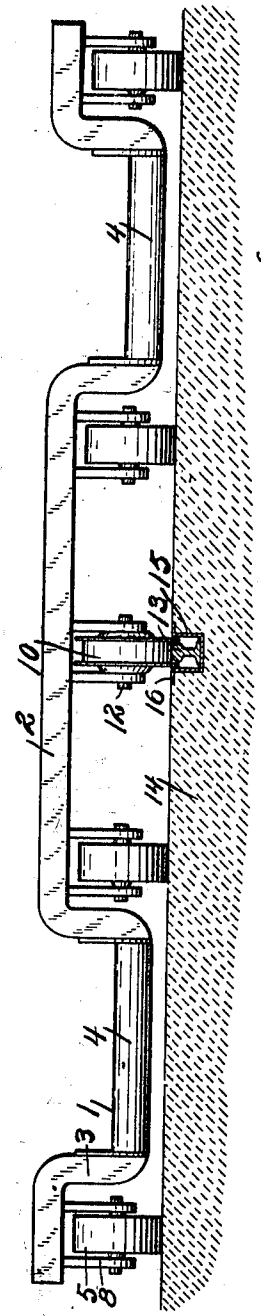

Fig. III.

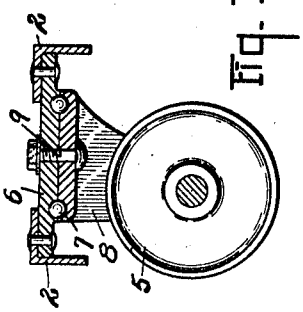

Fig. V.

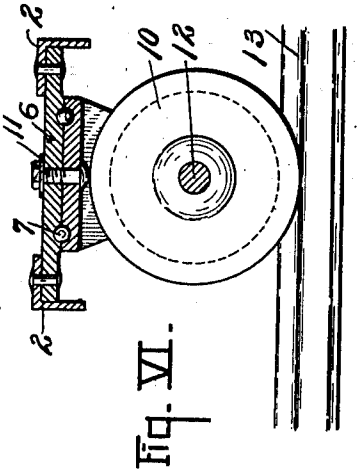

Fig. VI.

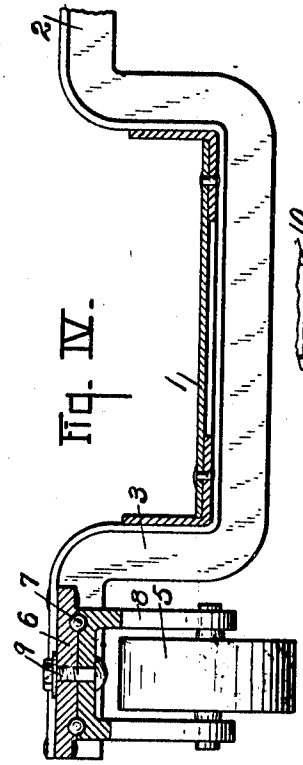

Fig. IV.

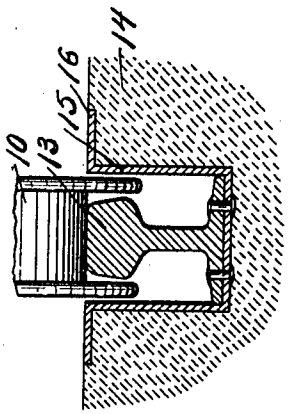

Fig. VII.

Witnesses

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UNITED STATES PATENT OFFICE.

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TURN-TABLE.

1,004,114. Specification of Letters Patent. Patented Sept. 26, 1911.

Application filed June 17, 1911. Serial No. 633,676.

To all whom it may concern:

Be it known that I, HOLLY M. VERPLANCK, a citizen of the United States, residing at Lansing, Michigan, have invented certain new and useful Improvements in Turn-Tables, of which the following is a specification.

This invention relates to improvements in turntables.

The main objects of this invention are: First, to provide an improved portable or truck turntable which is easily operated, either as a truck or as a turntable. Second, to provide an improved turntable embodying these advantages, which is very simple and economical in structure and, at the same time, one which is very strong and durable.

Further objects, and objects relating to structural details will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification.

The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

Figure I is a plan view of a structure embodying the features of my invention. Fig. II is a side elevation of the structure shown in Fig. I, the floor being shown in vertical section. Fig. III is an end view, the floor being shown in vertical section. Fig. IV is a detail view, partially in vertical section, on a line corresponding to line 4—4 of Fig. I. Fig. V is a detail vertical section taken on a line corresponding to the broken line 5—5 of Fig. I. Fig. VI is a detail vertical section taken on a line corresponding to the broken line 6—6 of Fig. I. Fig. VII is a detail vertical section showing the guide rail and its channel and the coacting guide wheel.

In the drawing, similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, the body of my improved turntable comprises a pair of channel body ways 1 connected by suitable cross members. These cross members are formed of angle bars 2, arranged in pairs with their angles facing. The cross bars 2 are provided with drops 3, in which the body ways 1 are disposed so as to lower the ways as much as possible. The ends of the ways are turned downwardly at 4, so that an automobile or other vehicle can be readily run onto the turn table.

The body is carried by caster wheels 5, one of the caster wheels being arranged at each end of the cross bars 2. I also preferably provide an additional pair of caster wheels for each end cross member, the additional caster wheels being arranged on the inside of the ways 1. This permits the body to be made of quite light material, and, at the same time, it is supported so that it is not likely to be sprung in running a vehicle upon or off.

The upper bearing members 6 of the caster wheels are disposed between and riveted to the cross bars 2. These bearing members are provided with suitable races for the bearing balls. The standards 8 are provided with races for the bearing balls 7 and are secured to the members 6 by the bolts 9.

Any suitable caster wheels may be provided.

At the center of the body, I arrange a guide wheel 10, the pivot bolt 11 of which is arranged vertically over its axle 12. This wheel 10, in the structure illustrated, is grooved to travel on the rail 13, which is seated below the surface of the floor 14, a concrete floor being indicated in the drawings. The rail 13 is seated in the channel 15, having out-turned flanges 16 at its edges. The flanges 16 are embedded in the floor 14 so that their upper surfaces or faces are flush with the surface of the floor. The face of the rail is substantially flush with faces of the flanges 13.

By providing the channel, the edges of the floor are protected so that they are not chipped off or broken by running the caster wheels over the same, and the groove is made narrow so that the caster wheels readily travel over it.

By arranging the parts as I have illustrated and described, the turntable is guided so that it can be readily moved along the guide rail and, at the same time, its turntable action is not interfered with in the least, as it can be turned at any point along the line of the rail or guideway.

I have illustrated and described my im-

proved turntable in a simple form. I have not attempted to illustrate or describe the various possible structural modifications, as they will be readily understood by those skilled in the art to which this invention relates, but I desire to be understood as claiming the structure specifically as illustrated, as well as broadly within the scope of the appended claims.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. In a structure of the class described, the combination with a body, of caster wheels therefor, a depressed rail, a floor channel in which said rail is seated, said channel being provided with outwardly-projecting flanges at each side, the faces of the rail and of said channel flanges being substantially flush, and a centrally-disposed flanged guide caster wheel coacting with said rail.

2. In a structure of the class described, the combination with a body, of caster wheels therefor, a depressed rail, a floor channel in which said rail is seated, and a centrally-disposed flanged guide caster wheel coacting with said guide rail.

3. In a structure of the class described, the combination with a body, of caster wheels therefor, a depressed rail, and a centrally-disposed flanged guide caster wheel coacting with said rail.

4. In a structure of the class described, the combination with a body, of caster wheels therefor, a depressed guide rail, one of said caster wheels being centrally disposed to coact with said guide rail.

5. In a structure of the class described, the combination with a body, of caster wheels therefor, one of the caster wheels being centrally disposed, and a way for said central wheel.

6. In a structure of the class described, the combination with a body, of caster wheels therefor, a depressed guide way, and a coacting guide wheel connected to said body by a vertical pivot disposed over the axle of the wheel.

7. In a structure of the class described, the combination with a body, of caster wheels therefor, a guide way, one of said caster wheels being disposed to coact with said guide way, for the purpose specified.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

HOLLY M. VERPLANCK. [L. S.]

Witnesses:
J. F. NEWMAN,
A. C. STEBBINS.