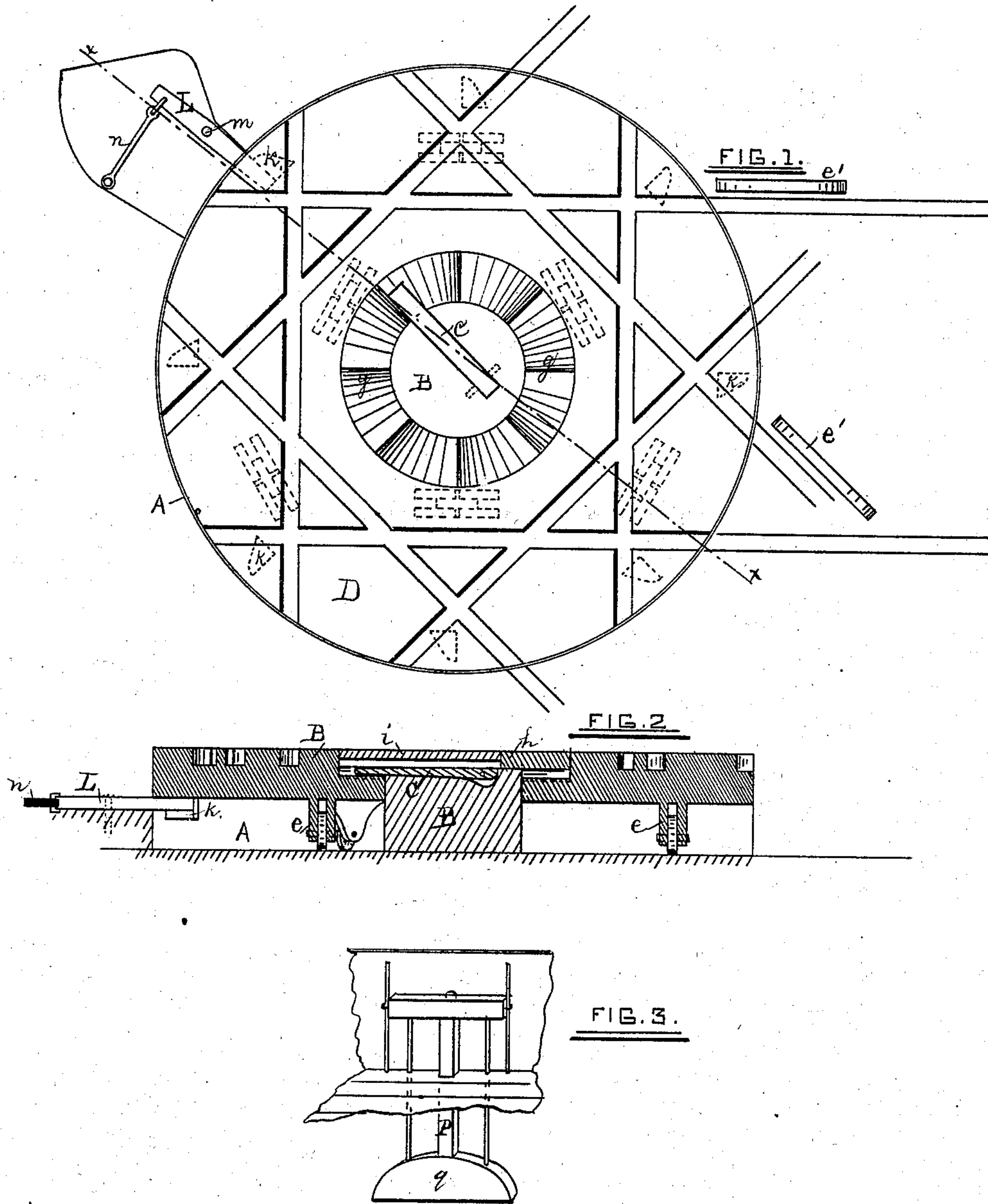


C. P. DUREL.
Turn-Table.

No. 219,152.

Patented Sept. 2, 1879



WITNESSES.
Prof. Carter
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CHARLES P. DUREL, OF NEW ORLEANS, LOUISIANA.

IMPROVEMENT IN TURN-TABLES.

Specification forming part of Letters Patent No. **219,152**, dated September 2, 1879; application filed June 28, 1879.

To all whom it may concern:

Be it known that I, CHARLES PETER DUREL, a resident of the city of New Orleans, parish of Orleans, and State of Louisiana, have invented a certain new and useful Improvement in Railway Turn-Tables; and I do hereby declare the following to be a full, clear, and correct description of the same, reference being had to the annexed drawings, making a part of this specification.

This invention has for its object the transfer of cars from one track to another by means of a turn-table on the surface of which is constructed any desired number of tracks.

Figure 1 is a top view or plan of my invention; Fig. 2, a section through the line *x x* thereof; and Fig. 3 shows a means for stopping the table at any desired turn-out.

On the drawings but four tracks are shown; but it is evident that any desired number may be employed with equally as good results.

A is a circular pit, in the center of which is erected a similarly-shaped standard, B, having a pawl, *c*, pivoted in the top thereof, as shown. D is the turn-table proper. Its under side is provided with several pairs of lugs, between each of which is journaled a roller, as at *e*.

In the center of the table is a circular opening the diameter of which is slightly greater than that of the central standard, B, around which it is designed to be operated. A recess is constructed in the upper side of the table, around the opening therein, and in this recess is formed ratchet-teeth *g*, the number of which is made to correspond with the track entrances or exits. The pawl *c* operates over these ratchets, and allows the table to be turned in but one direction. The aforesaid recess is provided with a cover, *h*, to exclude dirt therefrom, and the said cover is pinned to the central standard and furnished with a sliding or hinged piece, *i*, the opening of which will give access to the pawl should the same at any time become out of order. On the under side of the table, and near its outer edges, are secured a number of triangular lugs, *k*, corresponding in

number with the aforesaid ratchet-teeth, and each having one of their sides in a direct line with the locking-edges of the ratchets. L is a lever, which is pivoted beyond the outer edge of the table, as at *m*, so that its inner end may operate against the lugs *k*, its outer end being in the meantime held by a spring of limited pressure, as at *n*.

From the above description it will be seen that the pawl *c* prevents the table turning backward, and that while the lever L locks it in any requisite position, it also readily admits, under a slight pressure, of its position being changed to accommodate any other line of cars.

On one side of each track a bumper-block is secured, as at *e'*, and the cars traveling over said tracks are each provided with devices such as are shown in Fig. 3, and which consist of an elevating-standard, P, the lower end of which is provided with a shoe, *q*, which, when brought in contact with one of the bumpers, stops the table immediately on a line with an exit-track.

This table is turned by the animal attached to the car, or by the driver or other person pushing the head of the car around in the direction required.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A turn-table furnished with two or more sets of tracks, and with a recess in which are constructed ratchet-teeth *g*, which are engaged by a pawl, *c*, that is pivoted to a central standard, B, as described, and for the purpose set forth.

2. In combination with a turn-table provided with lugs *k*, a pivoted lever, L, the latter held in position against a limited pressure by a spring, *n*, as described, and for the purpose specified.

In testimony whereof I have hereunto signed my name.

CHAS. PETER DUREL.

In presence of—

JNO. S. CARTER,

PETER J. FINNEY.