

No. 885,977.

PATENTED APR. 28, 1908.

S. B. BROWN.

COASTER,

APPLICATION FILED AUG. 19, 1907.

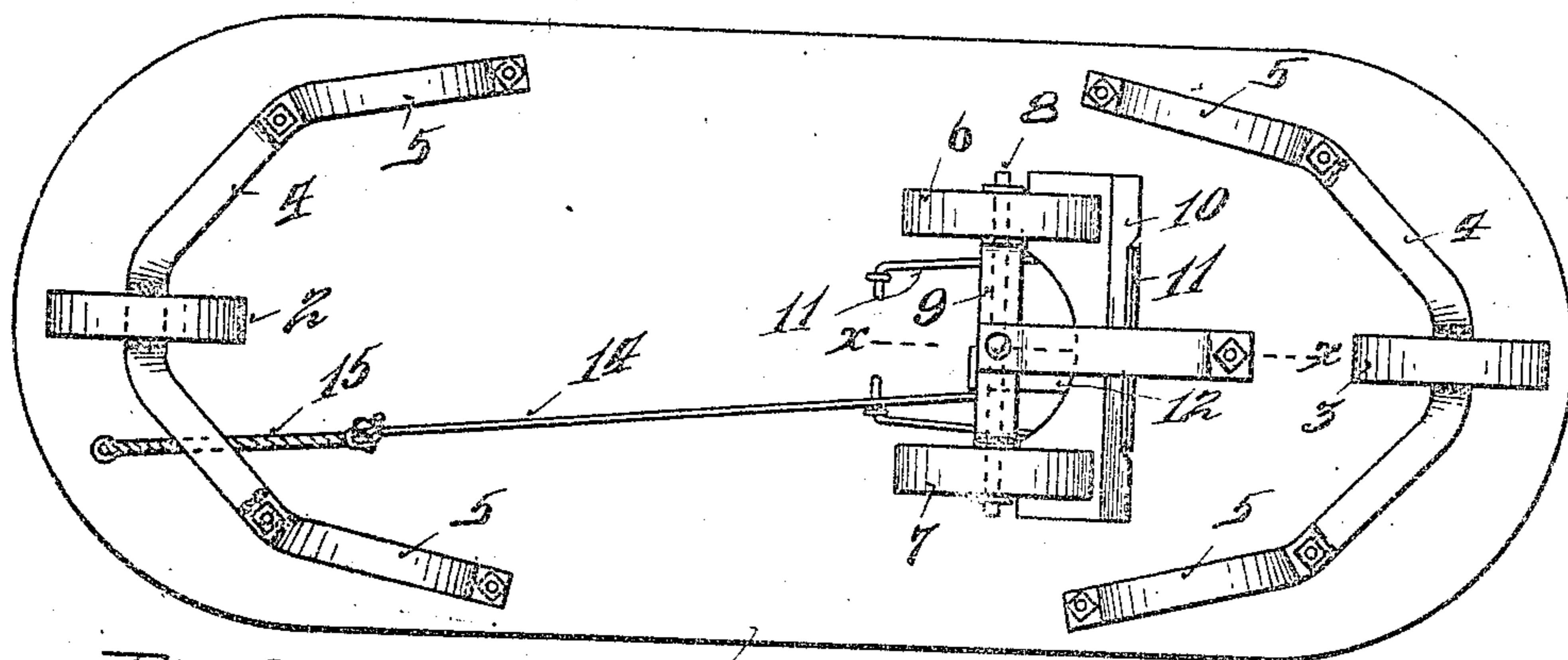
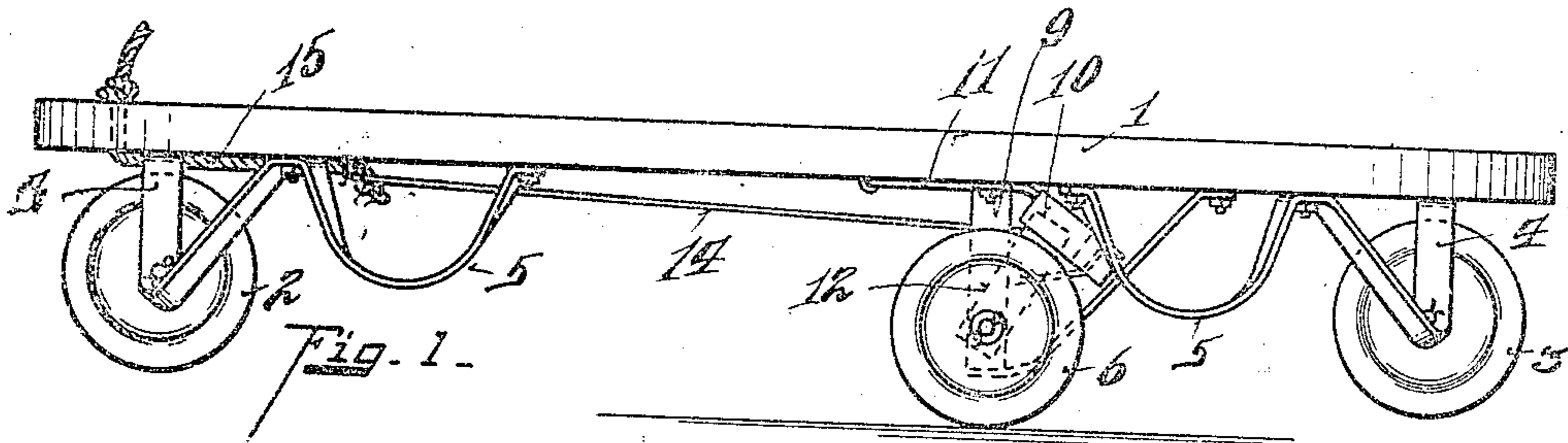


Fig. 2.

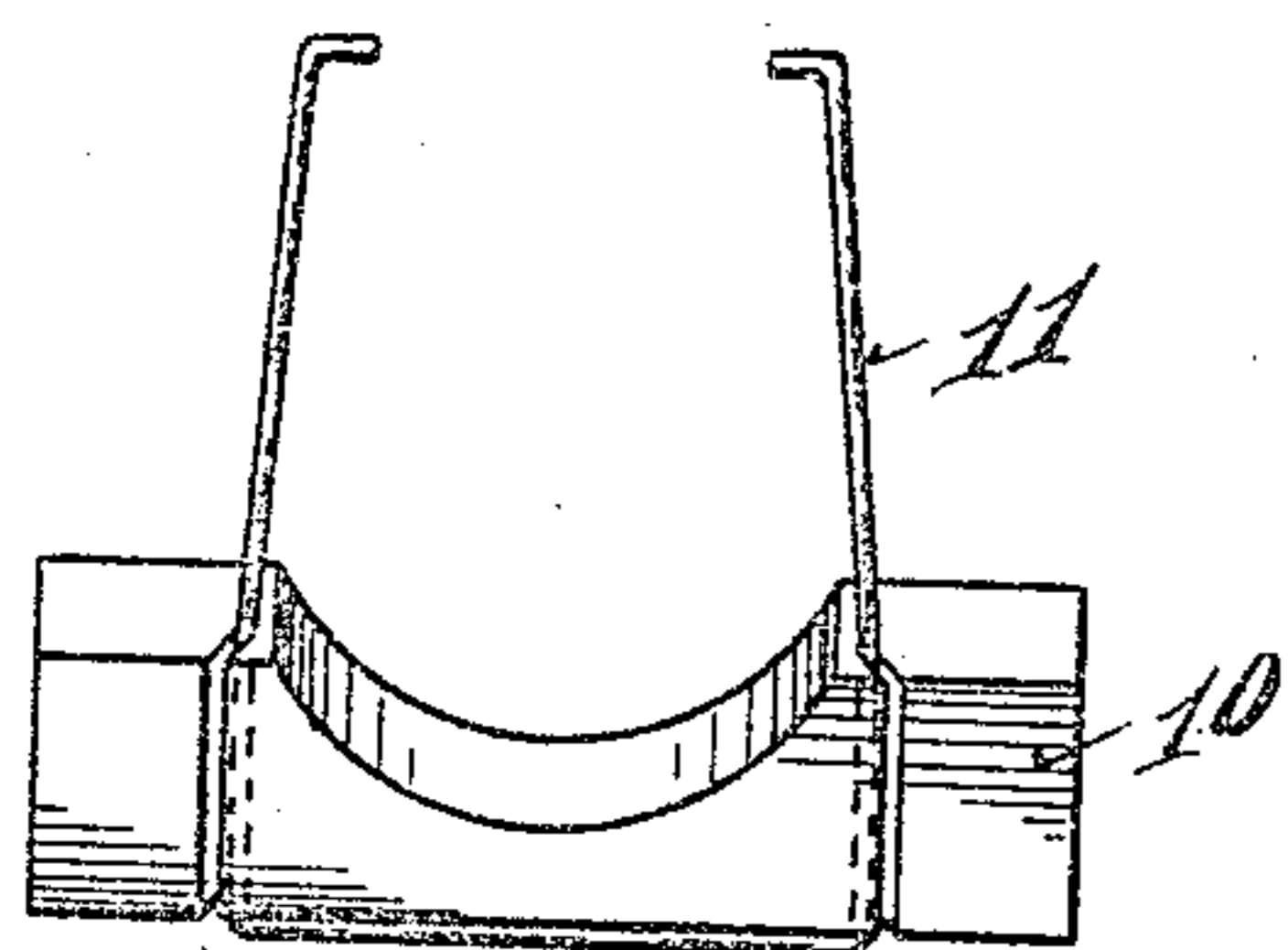
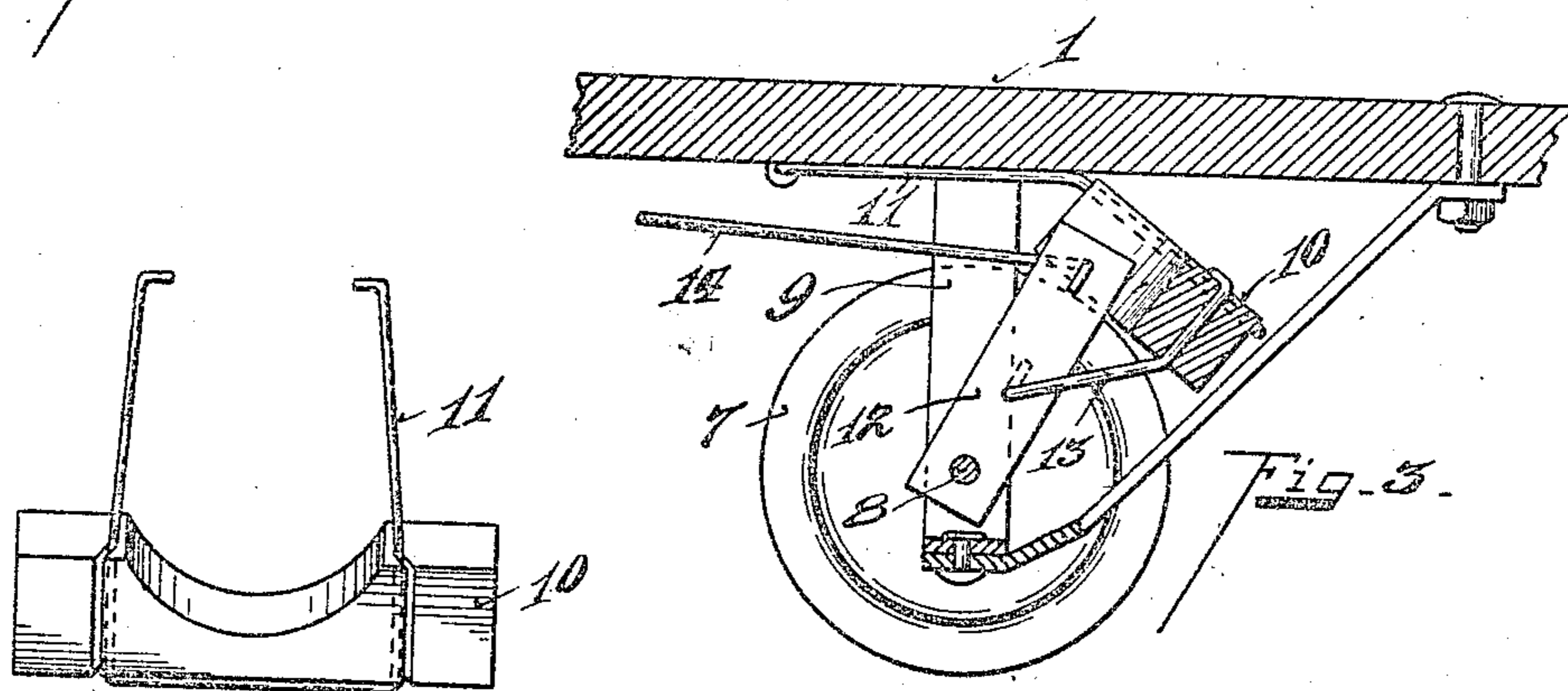


Fig. 4.

Inventor

Witnesses

Charles B. Kaiser
Leo J. Donnell

Silas B. Brown

By

Ward & Ward

Attorneys

UNITED STATES PATENT OFFICE.

SILAS B. BROWN, OF CINCINNATI, OHIO.

COASTER.

No. 885,977.

Specification of Letters Patent.

Patented April 28, 1908.

Application filed August 19, 1907. Serial No. 389,273.

To all whom it may concern:

Be it known that I, SILAS B. BROWN, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Coasters, of which the following is a specification.

My invention relates to an improvement in coasters.

One of the objects of my invention is to provide a coaster with a set of four rollers, two arranged at each end of the base board and in the medial line thereof, and two arranged parallel with each other and between the end rollers and preferably closer to one of the end rollers than the other. These intermediate rollers have their tread surface a slight distance further from the base board than the end rollers affording a rocking action to the base board enabling a convenient steering of the coaster.

Another object of my invention is to provide guards upon the lower face of the base board to prevent a tilting or upsetting of the coaster injuring the hands of the user, who in use grasps the edges of the base board.

Other features of my invention relate to the brake mechanism and details of construction more fully set forth in the description of the accompanying drawings forming a part of this specification, in which:—

Figure 1 is a side elevation of my improved coaster. Fig. 2 is a bottom plan view of the same. Fig. 3 is an enlarged section on line x, x, Fig. 2. Fig. 4 is a top plan view of the brake shoe in a position as applied.

1 represents the base-board. 2 and 3 the end rollers journaled between the U-shaped limbs of the strips 4 and supported in the medial line of the base board. These strips 4 from their central bifurcation flare outward toward the sides of the base board, the ends being provided with the curved portion 5, projecting from the base-board forming guards. The angled portion of the strips extending from the U-shaped limbs to the base-board serve as braces forming a rigid journal bearing for the rollers. These strips are securely bolted to the underside of the base board.

6, 7, represent rollers journaled upon an axle 8, said axle 8 being supported upon the U-shaped bracket 9. The ends of the bracket 9 terminate in L-shaped limbs for securing the bracket to the base-board.

These intermediate rollers are positioned preferably closer to one of the end rollers than the other and preferably journaled a slight distance laterally from the medial line of the base-board. The tread surface of these intermediate rollers is also preferably a slight distance further from the base-board than the end rollers forming a fulcrum for the base-board raising one end roller from the surface. This affords convenient means in steering the coaster.

The following instrumentalities are employed for providing a brake. 10 represents a brake-shoe yieldingly mounted upon the base-board 1 by the spring 11. 12 represents a link pivotally connected to the axle 8. 13 represents a connecting link fixed to the brake-shoe 10 and the link 12. 14 represents an actuating rod pivotally connected to the free end of the link 12. The opposite end of the rod 14 is connected to a rope 15 which passes upwardly through the base-board and knotted to retain the same in position within the grasp of the user. The brake is operated by pulling the rope 15 which will cause link 13 to be swung to the left swinging the brake-shoe toward a vertical position against the rollers 6 and 7. By this construction friction is applied to two rollers simultaneously and with great leverage and the brake-shoe is pulled against the rollers in a direction with their rotation, thereby forming a very efficient brake without causing undue wear upon the surface of the rollers, which are preferably made of wood, and also preventing the rollers from becoming flat.

Having described my invention, I claim:—

A coaster consisting of a flat board, two wheels medially alined, and two wheels parallel between the first named wheels and extending in a different plane, said wheels being supported on the under side of the board, and guards downwardly projected from the front ends of the under side of the board, adapted to protect the hands gripping the edge of the board, and also adapted to limit the rocking movements of the coaster, substantially as described.

In testimony whereof, I have hereunto set my hand.

SILAS B. BROWN.

Witnesses:

OLIVER B. KAISER,
LEO O'DONNELL.