

M. B. HALL.
SAND BOX FOR CARS.
APPLICATION FILED MAY 11, 1910.

966,829.

Patented Aug. 9, 1910.

Fig. 1

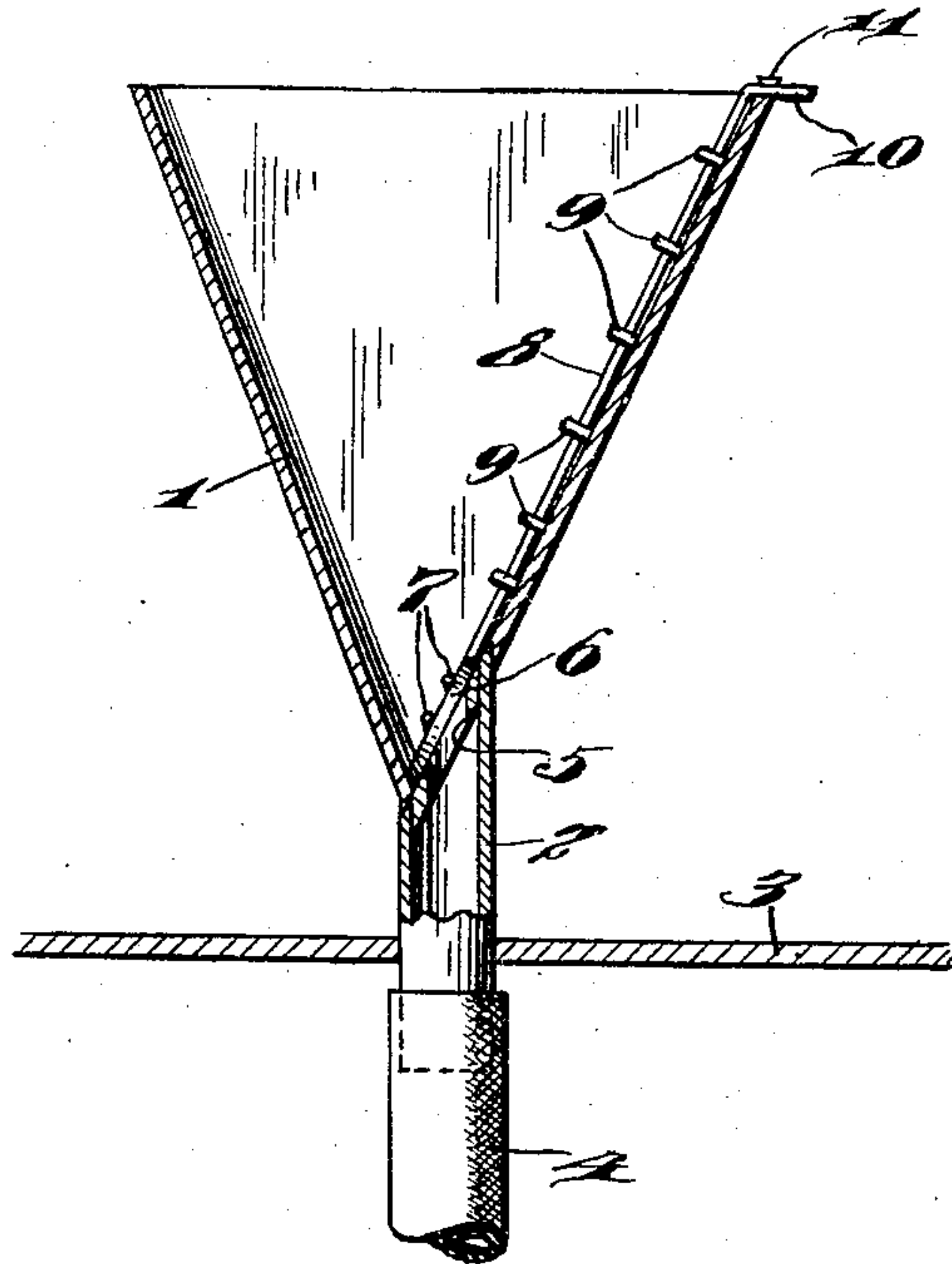


Fig. 2

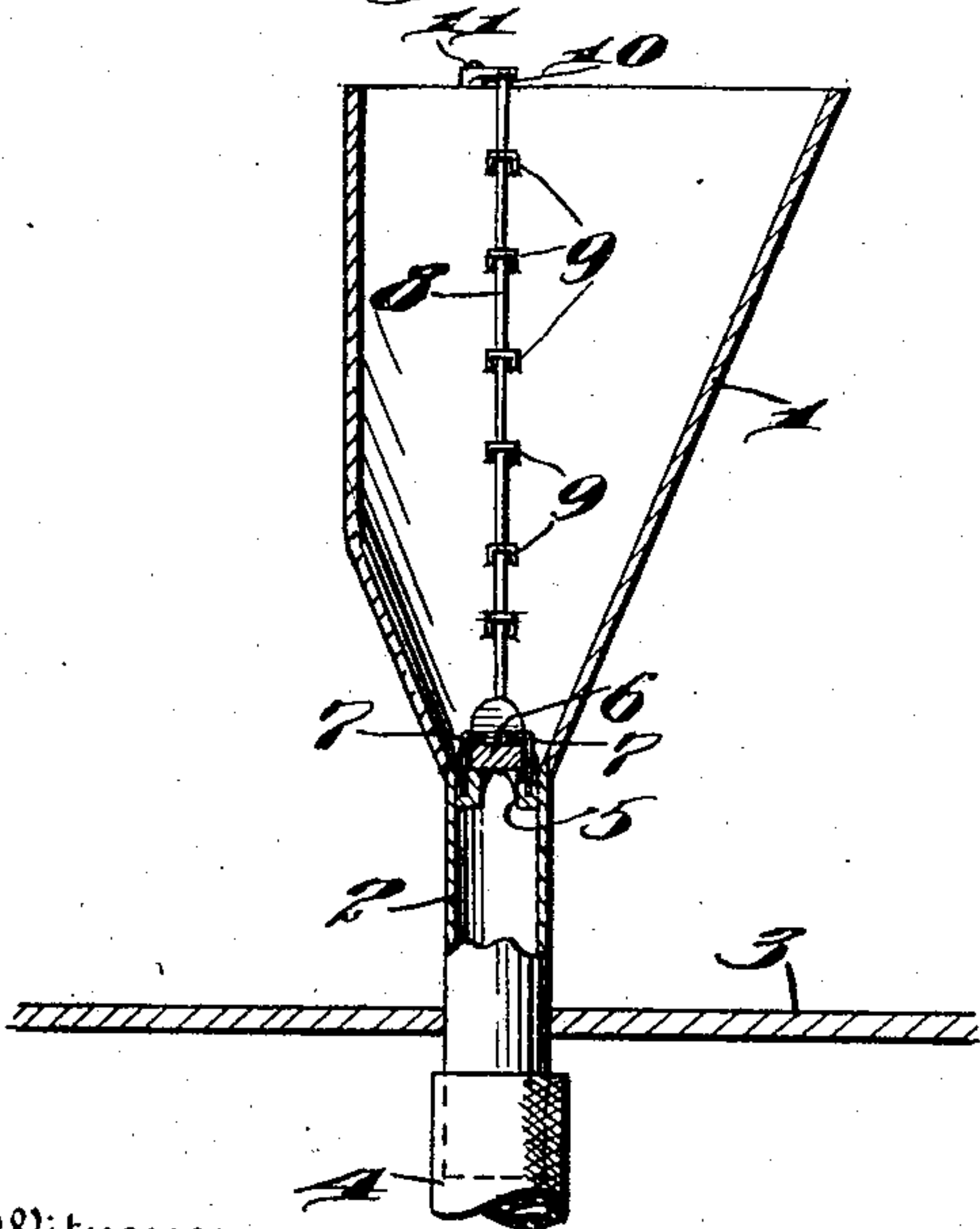
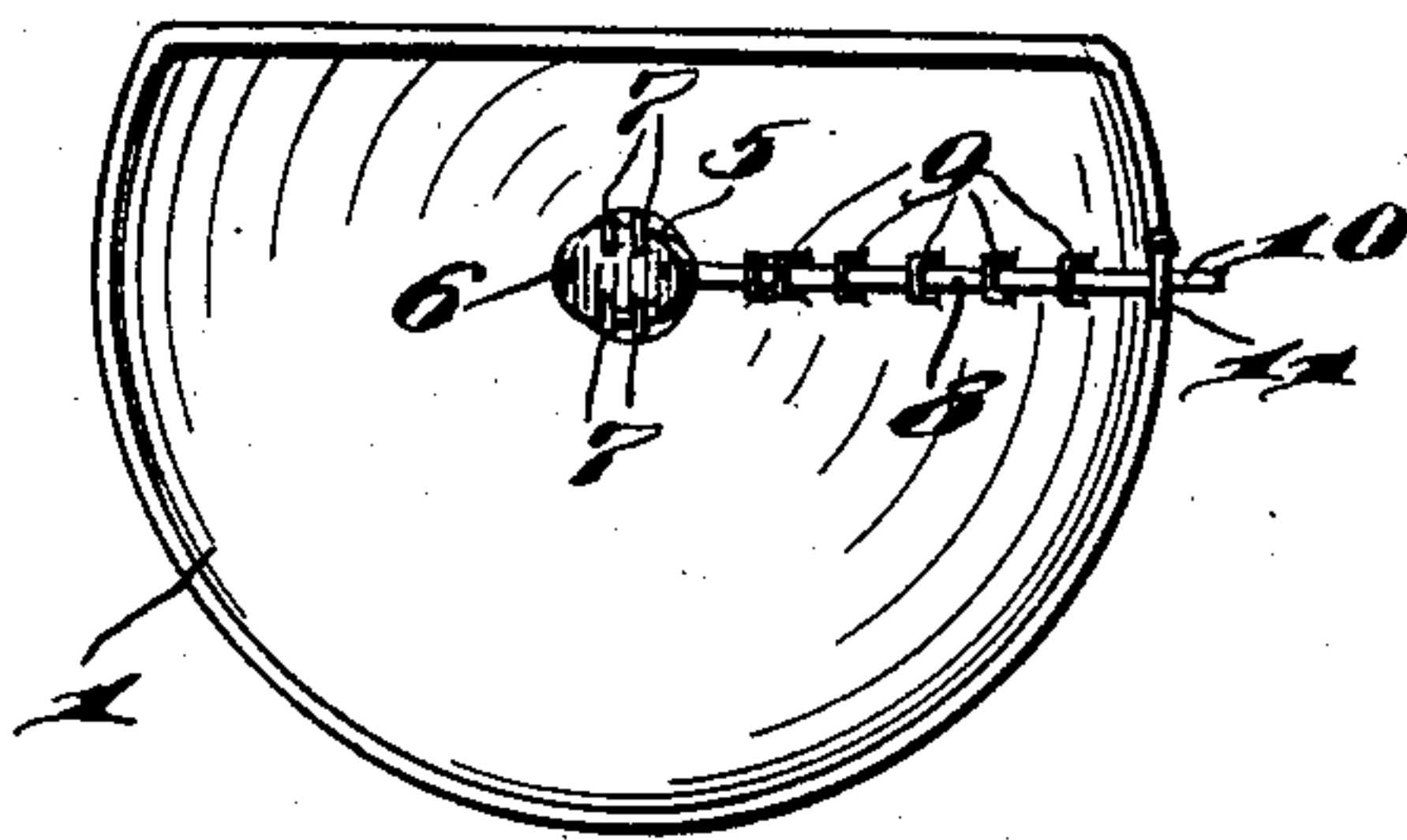


Fig. 3



Witnesses

Thos. Rosenbaum.
R. H. Krenkel.

Inventor

Margaret B. Hall,

By *Joshua R. Potts.*

Attorney

UNITED STATES PATENT OFFICE.

MARGARET B. HALL, OF PHILADELPHIA, PENNSYLVANIA.

SAND-BOX FOR CARS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, MARGARET B. HALL, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sand-Boxes for Cars, of which the following is a specification.

My invention relates to improvements in sand boxes for cars, the object of the invention being to provide improved means for closing the outlet from the sand receptacle, and regulating the discharge of sand as it is desired.

A further object is to provide a sand box of extremely simple, inexpensive construction, yet strong and durable in use.

With these and other objects in view, the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described and pointed out in the claims.

In the accompanying drawings: Figure 1, is a view in vertical section illustrating my improvements. Fig. 2, is a view in vertical section at right angles to Fig. 1, and Fig. 3, is a top plan view.

1, represents a sand receptacle which is conical in form, and communicates with a vertical outlet tube 2 at its lower end, said tube being located to one side of the center of the receptacle, and communicating with an opening in the inclined wall of said receptacle. This tube 2 projects through the car platform illustrated at 3, and connects to a flexible hose 4 for directing the sand onto the rail.

By reason of the connection between tube 2 and receptacle 1, as above described, the upper end of tube 2 is cut at an angle or incline and in this beveled or inclined upper end of the tube, a ring 5 is secured. This ring serves as a valve seat for my improved sliding valve 6, and the ring is provided with inwardly projecting lugs or prongs 7, which guide the sliding movement of valve 6 and hold it against the seat.

Valve 6 is fixed to or made integral with a rod 8, which latter is mounted in a series

of eyes 9 secured in the inner face of receptacle 1, and the upper end of this rod is bent over the edge of receptacle 1, forming a hand-hold 10, which latter is adapted to be engaged by a turn-button 11 on the upper edge of the receptacle to hold the rod against movement and lock the valve in closed position, preventing its accidental movement by vibrations of the car.

By reason of the structure above explained, it will be seen that the valve 6 and its rod 8 are straight, so that a straight pull on the rod causes the valve to move in one direction, an upward pull causes the valve to open, and a downward push causes the valve to close, cutting off the sand.

Various slight changes might be made in the general form and arrangement of parts described without departing from my invention, and hence I do not limit myself to the precise details set forth, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of the appended claims.

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

1. A sand box for cars comprising a receptacle of general conical form having an opening in its inclined wall at its lower end, a discharge tube at one side of the center of said receptacle and communicating with said opening, a ring secured in the upper end of said tube and located at an incline, lugs or prongs on said ring, a valve located on said seat and held in position by said lugs or prongs, a series of eyes in the inner face of said receptacle, a rod fixed to said valve and movable in said eyes, substantially as described.

2. A sand box for cars comprising a receptacle of general conical form having an opening in its inclined wall at its lower end, a discharge tube at one side of the center of said receptacle and communicating with said opening, a ring secured in the upper end of said tube and located at an incline, lugs or prongs on said ring, a valve located on said seat and held in position by said lugs or prongs, a series of eyes in the inner

face of said receptacle, a rod fixed to said valve, and movable in said eyes, the upper end of said rod bent over the upper edge of said receptacle forming a hand-hold, and
5 a turn-button on the upper edge of said receptacle constructed to lock over said hand-hold, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

MARGARET B. HALL.

Witnesses:

R. H. KRENKEL,

C. E. POTTS.