C. G. PICKETT.

TOY.

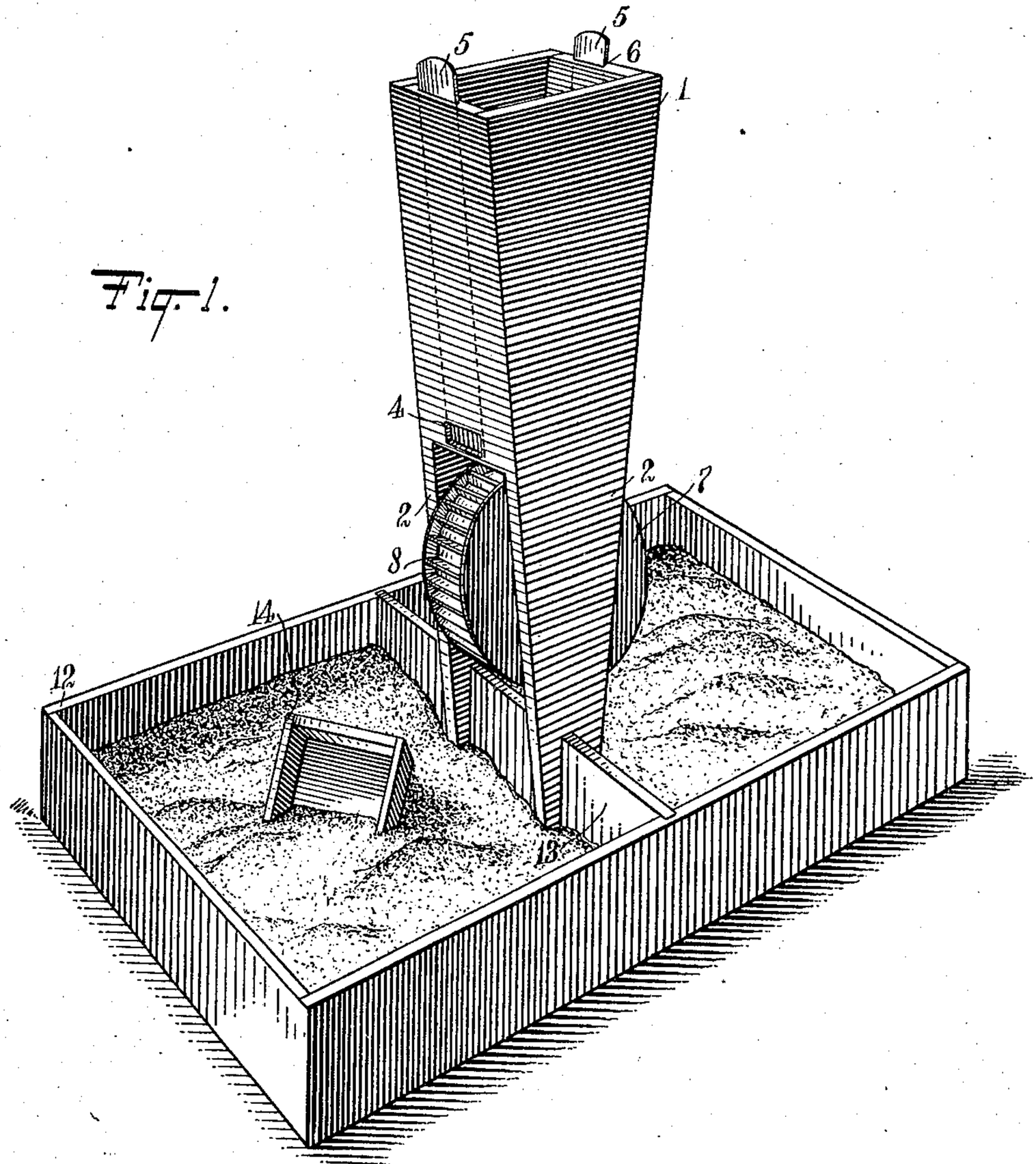
APPLICATION FILED AUG. 20, 1910.

996,793.

Patented July 4, 1911.

2 SHEETS—SHEET 1.

Fig. 1.



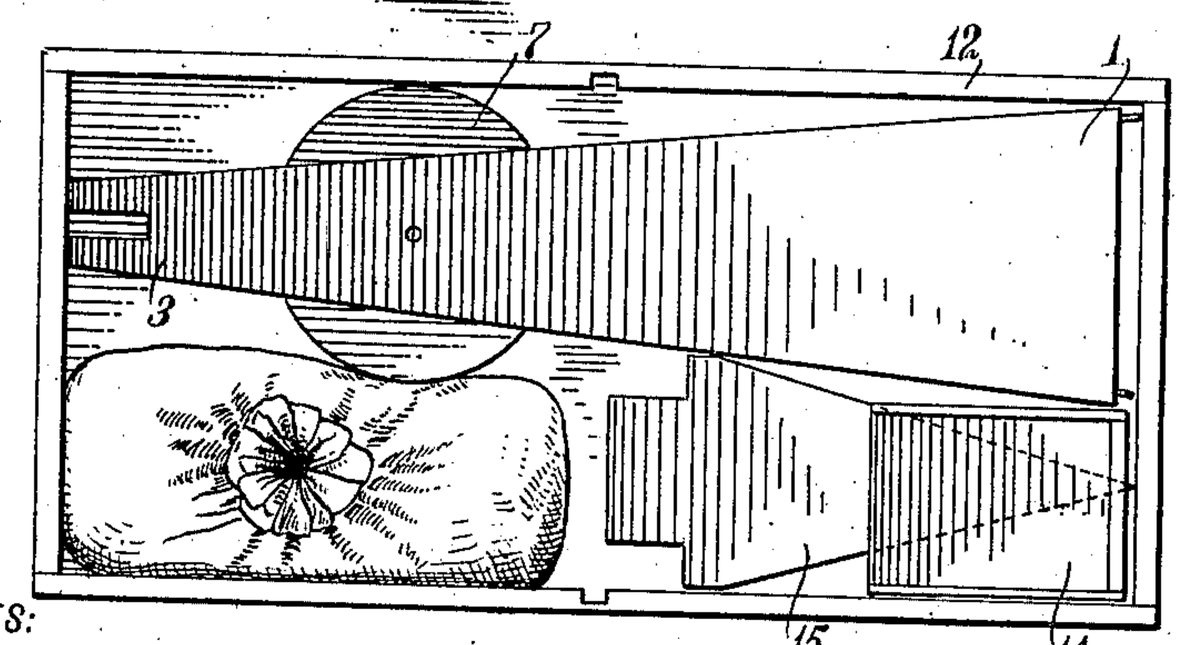


Fig. 2.

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2 SHEETS—SHEET 2.

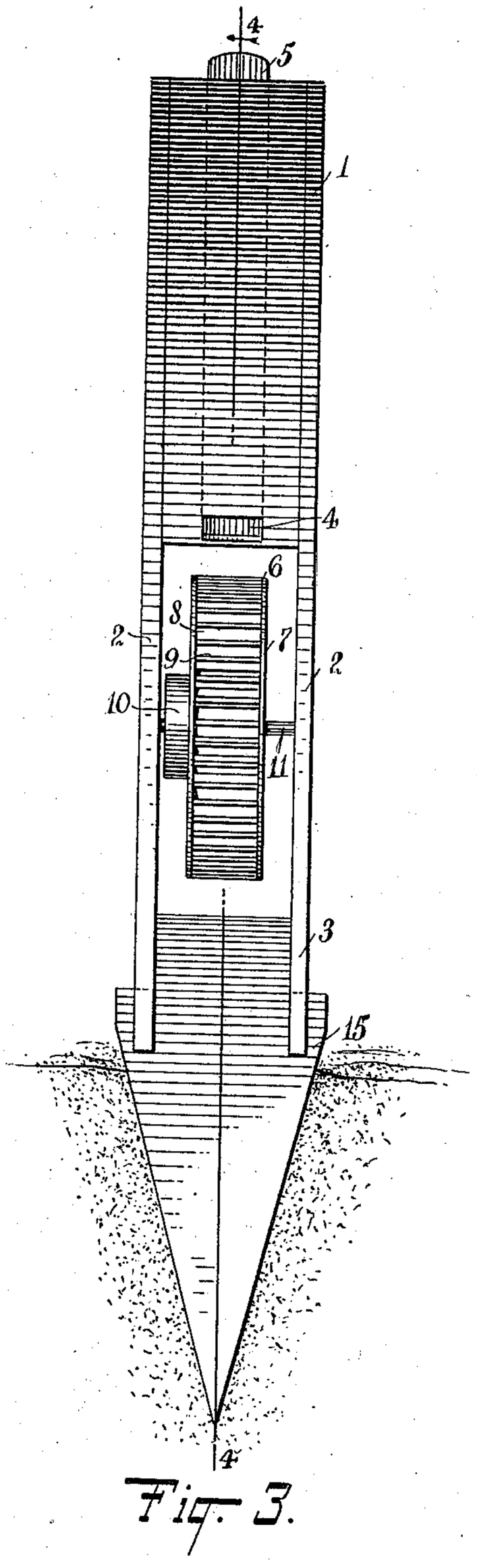

Fig. 3.

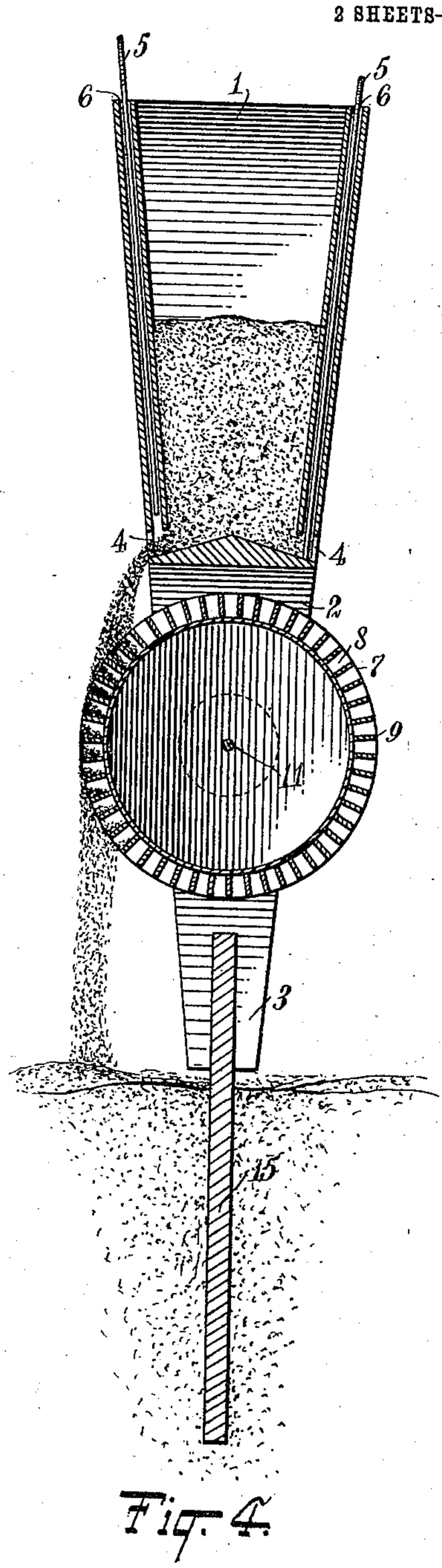

Fig. 4.

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UNITED STATES PATENT OFFICE.

CHARLES GUST PICKETT, OF NORTH BERWICK, MAINE.

TOY.

996,793. Specification of Letters Patent. Patented July 4, 1911.

Application filed August 20, 1910. Serial No. 578,096.

To all whom it may concern:

Be it known that I, CHARLES G. PICKETT, a citizen of the United States, and a resident of North Berwick, in the county of York and State of Maine, have invented a new and Improved Toy, of which the following is a full, clear, and exact description.

This invention relates to toys, and more particularly to a toy consisting of a rotatable member and a reservoir located over it, the reservoir being adapted to receive sand or other granular substances which, upon being released, operate the rotating member for the amusement of children.

An object of this invention is to provide a device of the class described, simple and serviceable in construction and inexpensive to manufacture, which can be easily operated by a child, and which, when not in use, can be taken apart and packed in a receptacle of convenient size.

A further object is to provide a toy, as described, which may be mounted on a beach, and which carries an impact wheel operable by means of sand or other granular substances.

The invention consists in the construction and combination of parts to be more fully described hereinafter, and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of my invention, showing the same mounted on a sand box; Fig. 2 is a plan view showing the toy taken apart and positioned within the sand box ready for transportation; Fig. 3 is a front elevation of my device, showing the same arranged on a sharpened stake, so that it may be positioned on a beach; and Fig. 4 is a longitudinal sectional view on the line 4—4 of Fig. 3.

Before proceeding to a more detailed description of my invention, it should be stated that I have endeavored to construct a toy which can be either set up in a sand box or on a sandy beach, and which can be easily operated by children to afford them great amusement. As before mentioned, my device consists of a rotatable member provided with vanes or buckets, and a reservoir located above it. This reservoir is adapted to receive sand or the like, which can be shoveled in at the top by the person who is operating the device. Near the bottom of the reservoir there are two openings provided with gates which, when the latter are opened, allow the sand to run out and in contact with the vanes of the wheel to cause the latter to rotate. On account of the simplicity of the device, it can be used by very young children without fear that they will either injure themselves or break the toy.

In the specific form shown in the drawings, I provide a reservoir 1 substantially rectangular in cross section, and having two of its walls 2 extended and tapered, the lower extremities 3 thereof being bifurcated. Near the bottom of the reservoir are openings 4 extending through the walls and closed by means of manually operable gates 5. The latter extend longitudinally through slots 6 in the walls of the reservoir, and project above the upper edges of the walls.

Adapted to be arranged between the extended sides 2 of the reservoir is an impact wheel 6 provided with sides 7 and buckets 8, the sides of the latter formed by vanes 9 to receive the sand as it flows from the reservoir, as shown most clearly in Fig. 4 of the drawings. A pulley hub 10 is secured to one of the walls of the wheel, and through both it and the wheel passes a shaft or spindle 11, the ends of the latter being journaled in the sides 2 of the reservoir.

A floor 12 is provided for the reservoir 1 and embodies divergingly inclined surfaces 13 arranged to divide the sand as it moves downwardly to exit through the openings 4, and with this floor even a small amount of sand will not remain in the reservoir when the same is substantially empty as the said sand will at all times tend to move toward one of the two openings due to the angularity of the floor.

As shown in Fig. 1 of the drawings, the toy is arranged on a sand box 12, being supported by means of a removable member 13 which extends across the sand box and which has edge recesses to receive the bifurcated extremities 3 to hold the device in position. A scoop 14 is shown, by which the sand may be removed from the box into the reservoir.

Figs. 3 and 4, as before explained, show

my device arranged on a sharpened stake 15, preferably shaped like the head of an arrow and adapted to receive the bifurcated extremities 3 of the reservoir.

I do not wish to limit myself to the specific form of wheel illustrated in the drawings, as many others may be employed in connection with my device without departing either from the spirit or the scope of the invention, as, for instance, instead of providing the impact wheel with buckets, simple vanes may be employed with equal success.

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

1. A toy comprising a downwardly-tapered sand reservoir having outlet openings in opposite sides thereof, gates for controlling the flow of sand through said outlet, said reservoir having opposite walls downwardly extended to form spaced supports adapted to be positioned upon a suitable carrier, and a vaned wheel journaled between said supports under said outlets.

2. The combination with a supporting member, of a reservoir having spaced supports adapted to be removably mounted upon said supporting member, said reservoir having a gate-controlled outlet, and a vaned wheel positioned between said supports under said outlet and adapted to be actuated by material escaping through said outlet.

3. A toy, comprising a reservoir for sand and provided with a plurality of outlet openings, a wheel positioned beneath the reservoir and adapted to be revolved by the sand escaping from the reservoir, and a divergingly inclined floor in the said reservoir, for aiding the sand in the reservoir to escape therefrom.

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

CHARLES GUST PICKETT.

Witnesses:
FRED A. BURNHAM,
HOMER F. MCCRELLIS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."