

A. H. WEHLING.  
TOY.  
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Fig. 1.

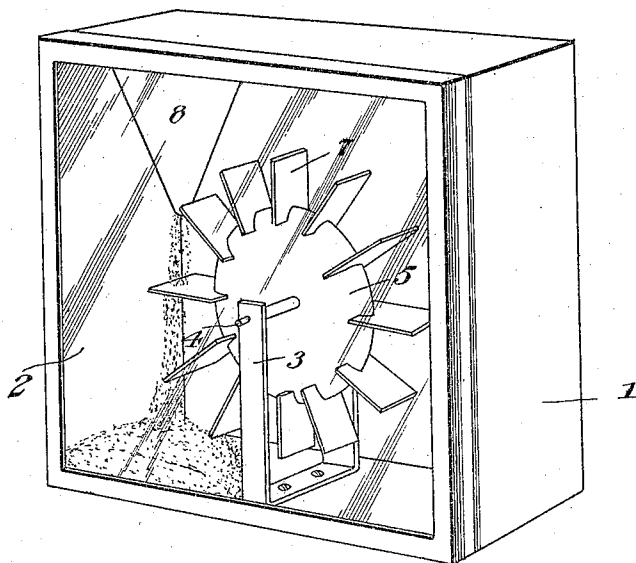


Fig. 2.

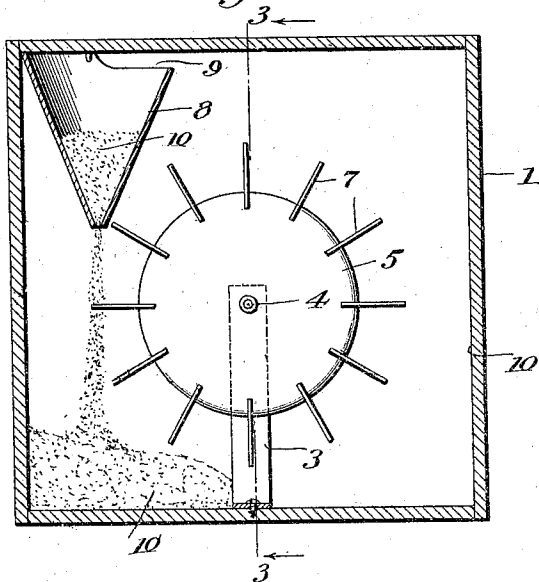
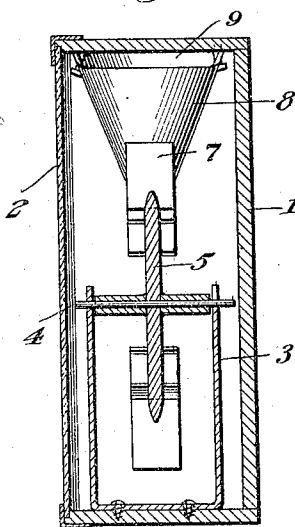


Fig. 3.



WITNESSES

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# UNITED STATES PATENT OFFICE.

ANDREW H. WEHLING, OF WICHITA, KANSAS.

TOY.

1,299,274.

Specification of Letters Patent.

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Application filed April 17, 1917. Serial No. 162,665.

*To all whom it may concern:*

Be it known that I, ANDREW H. WEHLING, a citizen of the United States, residing at Wichita, in the county of Sedgwick, and State of Kansas, have invented new and useful Improvements in Toys, of which the following is a specification.

The present invention relates to toys and has for its object to produce a toy in the nature of a sand wheel in which the sand is delivered through the reduced mouth of a funnel to the blades of a wheel to cause the rotation of the wheel for a considerable period of time.

It is a further object of the invention to provide a toy of this character wherein the wheel is journaled in a suitable receptacle having a transparent facing, and within the said receptacle is arranged a funnel that is adapted to deliver the sand to the blades of the wheel, the said funnel having its portion secured to the casing provided with an inlet mouth whereby when the receptacle is turned in said directions the funnel may be replenished with the sand so that the handling of the sand by the operator will be entirely overcome.

It is a still further object of the invention to produce a toy including a revoluble member actuated by a flow of sand contacting with the blades of the said member and wherein the sand may be of different colors to add to the novelty of the toy.

With the above and other objects in view the improvement resides in the construction, combination and arrangement of parts set forth in the following specification and falling within the scope of the appended claim.

In the drawing:

Figure 1 is a perspective view of the improvement,

Fig. 2 is a central vertical transverse sectional view, and

Fig. 3 is a central longitudinal sectional view approximately on the line 3—3 of Fig. 2.

Referring now to the drawing in detail, the numeral 1 designates the casing which may be constructed of any desired material

and is preferably in the nature of a rectangular or square box having its open face closed by a transparent plate 2. Within the casing 1, and at the bottom thereof is centrally arranged a substantially U-shaped member, the vertical elements or standards thereof having alining openings adjacent their upper ends, and these openings provide journal bearings for the shaft 4 of a flat wheel or disk 5. Upon the periphery of this disk is arranged outwardly extending disk members forming blades 7. Secured to the top of the receptacle 1 adjacent one of the corners thereof, whereby to deliver to the blades, is a cone-shaped member or funnel 8. The outlet mouth of this funnel is restricted so that the sand will be delivered therefrom slowly and whereby the wheel will be rotated for a considerable length of time by the said sand. The funnel 7 upon its upper face and at its side nearest the wheel is provided with a transversely arranged cut away portion forming the same with an inlet mouth 9. The sand 10 within the casing is preferably dyed so that any color sand may be employed, and in order to deliver the sand to the funnel the receptacle 1 is first tilted from its base to its side 10', and is then turned upon its top, permitting all of the sand to rest upon the top of the receptacle and in a line with the mouth of the funnel. The receptacle is then tilted upon its outer corner adjacent to the funnel, permitting the sand to flow into the mouth of the said funnel and when the device is returned to its proper position the sand will be delivered through the outlet mouth of the funnel to the blades of the wheel. It will thus be noted that the operator of the toy need not contact with the sand in delivering the same to the funnel.

Having thus described the invention, what I claim is:

In a toy, the combination with a substantially closed rectangular receptacle having sand therein and having a transparent face, a U-shaped frame having the connecting element for the arms thereof secured in the receptacle, a disk having a shaft journaled in bearings between the arms of the said

U-shaped member, said disk having peripheral slits, blades inserted in said slits, a funnel-shaped member secured in the corner of the inner wall of the receptacle opposite  
5 that to which the U-shaped member is connected and designed to deliver the sand therefrom to the blades of the wheel, and said funnel-shaped member, at the upper and outer edge thereof being provided with a transverse opening forming an inlet for  
10 the receptacle.

In testimony whereof I affix my signature.

ANDREW H. WEHLING.

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