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P. MARCHESE

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TOY

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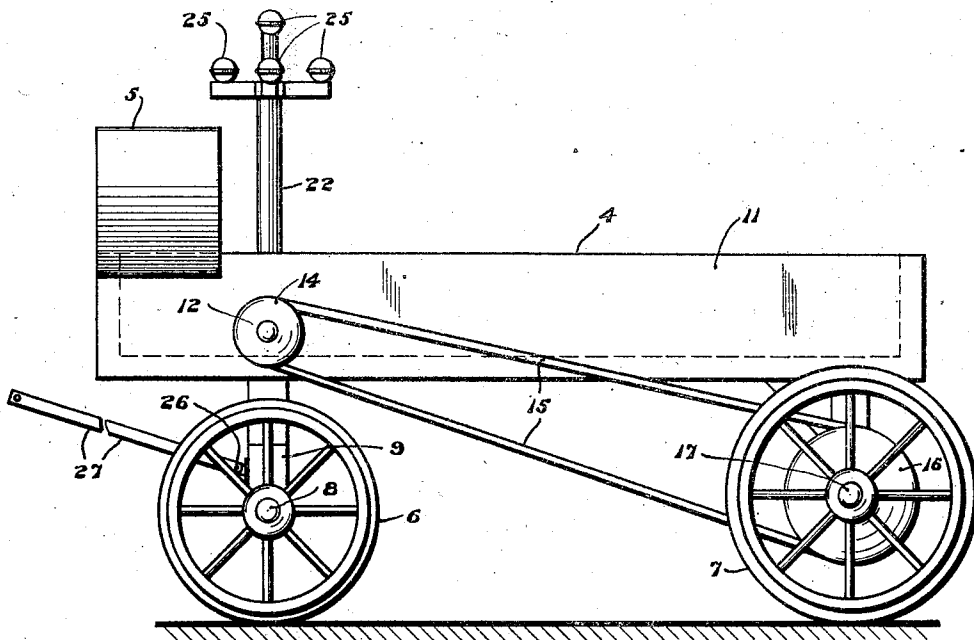


Fig. 1.

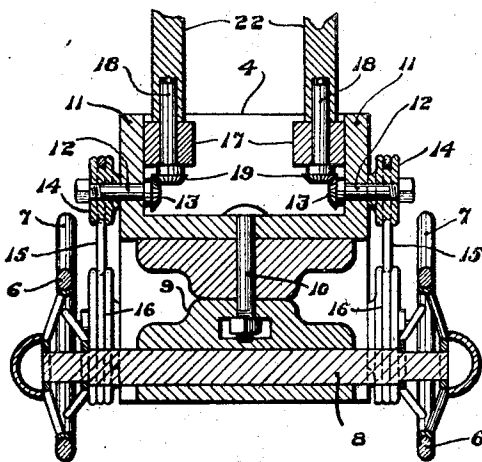


Fig. 2.

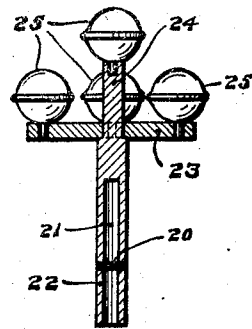


Fig. 3.

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WITNESS

UNITED STATES PATENT OFFICE.

PAUL MARCHESE, OF NORRISTOWN, PENNSYLVANIA.

TOY.

Application filed April 7, 1922. Serial No. 550,333.

To all whom it may concern:

Be it known that I, PAUL MARCHESE, a subject of the King of Italy, residing at Norristown, in the county of Montgomery and State of Pennsylvania, have invented new and useful Improvements in Toys, of which the following is a specification.

This invention relates to toys and it has more particular reference to those of the wheeled type which are adapted to be drawn or pushed about and thereby produce automatic effects in certain parts or elements thereof.

The primary object of this invention is to provide a portable wheeled toy fitted with a plurality of musical sounding devices which are automatically operated as the toy is propelled.

Another object of this invention is to provide a portable wheeled toy having a plurality of revolving bell devices which are automatically operated in unison as the toy is propelled.

A further object of this invention is to provide a toy of the kind referred to which is simple in construction, cheap to manufacture, serviceable, useful and entertaining for those for whom it has been designed.

With the foregoing and other objects in view as will be more clearly apparent from the following description, my invention consists in certain novel features of construction, combinations and arrangements of parts hereinafter fully described and more specifically defined by the appended claim.

In the further disclosure of the invention reference is to be had to the accompanying sheet of explanatory drawings constituting a part of this specification and in which like characters of reference designate the same or corresponding parts in all the views.

Figure 1—is a side elevation of my novel portable wheeled toy.

Figure 2—is a fragmentary section through the front portion of the same; and,

Figure 3—is a detail sectional elevation of one of the musical sounding devices hereinafter more particularly described.

Referring to the drawings the numeral 4 designates a toy wagon body of the usual rectangular pattern, the same being provided at its fore part with a hood 5, and said wagon body is appropriately mounted on front and rear rubber tired wheels, 6, 7 respectively. The front wheels 6 are suit-

ably journaled on an axle 8 securely mounted in a fifth-wheel member 9 revolvably supported by a king-pin 10 from the underside of the wagon body 4.

Suitably journaled in the side walls 11 of the wagon body 4 are short axles or spindles 12 on the inner ends whereof are securely fixed bevel gears 13, and on the outer end whereof are keyed or otherwise attached grooved pulleys 14, said pulleys 14 being adapted to be driven by a belt drive 15 of suitable nature from similarly grooved but larger belt pulleys 16 keyed or securely mounted on the rear wheel axles 17. Or said belt pulleys 16 may be mounted on the front axle 8 and the drive direct therefrom to the pulleys 14 although it will be readily understood that it is preferable that the drive should be from the rear axle in order that the fifth wheel 9 may have free play when turning corners or when swinging the same around. Appropriately mounted in bearings 17 within the wagon body 4 are vertical spindles 18 to the lower ends of which are secured bevel gears 19 in mesh with the aforesaid bevel gears 13. The free ends of these vertical spindles 18 are diametrically slotted to receive a transverse pin 20 disposed across the bore 21 of a partially tubular member 22, and these members 22 are provided at their upper ends with transverse radial arms 23 and a vertical extension 24. On the outer end of each arm 23 and on top of the vertical extension 24 I mount in any suitable manner bells or other appropriate sounding devices 25, the same being of a nature when operated or agitated to create musical tones. At the front of the fifth wheel 9 there is appropriately hinged at 26, a tongue or draw-bar 27 whereby the wagon can be propelled and actuated to impart movements to the sound producing devices hereinbefore referred to.

From the foregoing description it will be readily seen that when the wagon is wheeled along rotation will be imparted to the shafts 12 by means of the belt or other drive 15. Said rotation in turn causing the rotation of the vertical spindle 18. These spindles in turn will effect the synchronous rotation of the partial tubular member 22 through the interlocking connection of the pin 20 therewith. Now it will be readily understood that when the toy is propelled as set forth to cross over any appropriate surface

there will be produced musical effects; or in other words, the sounding devices or bells 25 by their rapid rotation will produce the predetermined musical sound or effect. Still 5 further it is to be noted that by virtue of their particular construction, the vertical members 22 may be easily removed or lifted off the vertical spindles 18 when the wagon can be used for ordinary purposes of light 10 transportation, such as is well known in connection with the use of miniature express wagons for marketing and other purposes.

Still further it will be readily seen from an examination of the drawings and a careful 15 study of the foregoing description that by my invention there is provided a unique and useful toy, the same being of a nature and character for use as an amusement or plaything, while at the same time it can be 20 readily employed as hereinbefore stated for a useful purpose; to wit, as a light express wagon for marketing purposes and the like.

While I have shown and described the best form of my invention at present known 25 to me it will be obvious the same is susceptible of minor detailed changes and the right is hereby reserved to make such changes as

fairly lie within the scope of the appended claim.

Having described my invention, what I 30 claim as new and desire to secure by Letters Patent is:

A toy comprising a substantially rectangular body and rotatable carrying axles therefor, transverse spindles supported in the side 35 walls of the body, vertical stub shafts supported within the body and having operative connections with the spindles, said stub shafts having their upper ends grooved, partially tubular members mounted over said 40 vertical shafts, transverse pins carried by said tubular members and engaging the grooved ends of the stub shafts, reduced vertical extensions on said tubular members forming an annular shoulder, radial arms 45 mounted on the reduced extension and resting upon the shoulder, sounding devices carried by the arms and extension and means forming operative connection between 50 the spindles and one of the carrying axles whereby to impart movement to the sounding devices upon movement of the axles.

In testimony whereof I affix my signature.

PAUL MARCHESE.