No. 895,312. PATENTED AUG. 4, 1908.

H. STUBERT.

TOY.

APPLICATION FILED MAY 17, 1907.

Fig. 1.

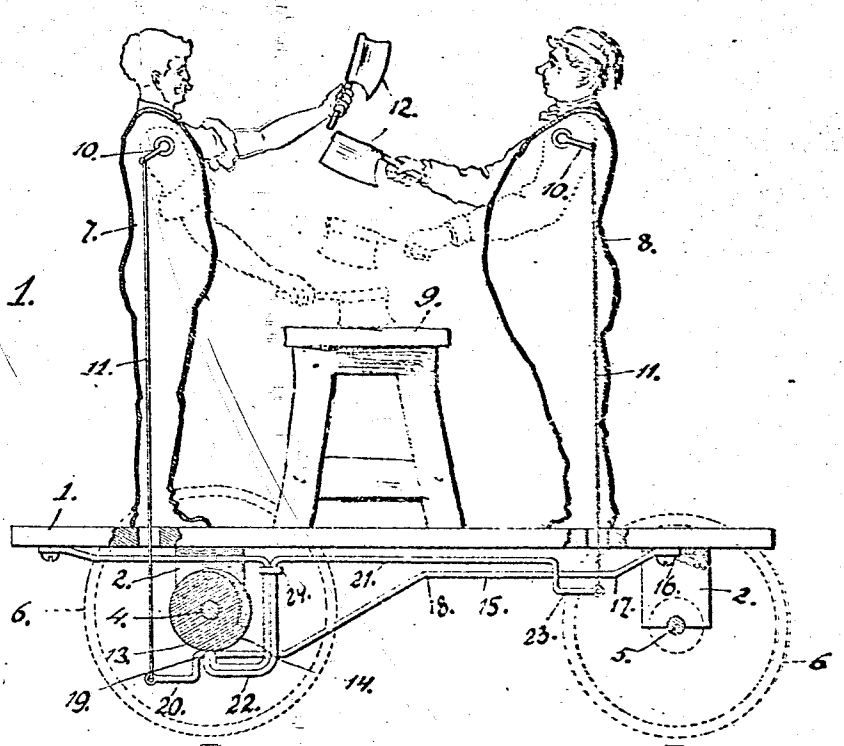
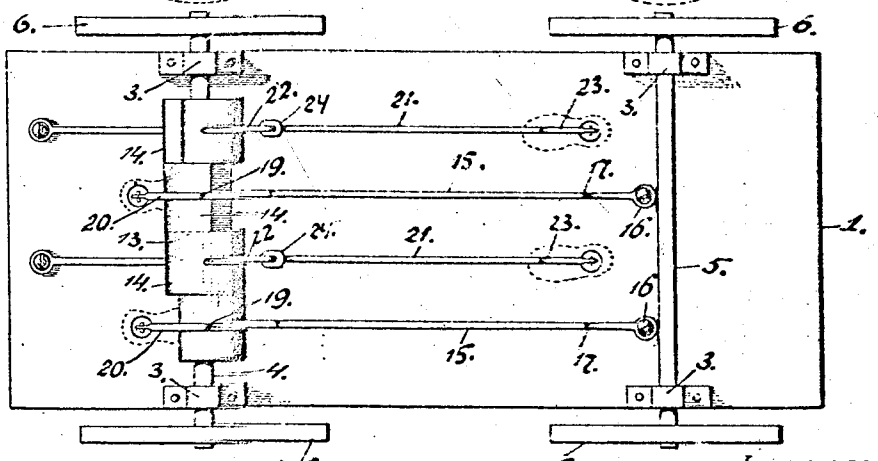


Fig. 2.



WITNESSES:

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HENRY STUBERT, OF NEW KENSINGTON, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO DAVID THOMAS, OF NEW KENSINGTON, PENNSYLVANIA.

TOY.

No. 895,312. Specification of Letters Patent. Patented Aug. 4, 1908.

Application filed May 17, 1907. Serial No. 374,238.

To all whom it may concern:

Be it known that I, HENRY STUBERT, a citizen of the United States of America, residing at New Kensington, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to toys of the class known as trundling toys, in which the revolution of an axle operates movable parts of a figure supported above the axle.

The primary object of the invention is to provide a trundling toy vehicle of simple and inexpensive construction, comprising a platform or vehicle body supported upon axles, wheels mounted on said axles, one or more figures or automatons supported upon the platform, and mechanism of novel construction for operating the movable parts of said figure or figures.

A further object of the invention is to provide a wheeled toy having a platform or body, in combination with two figures or automatons supported upon said platform and facing each other, a chopping table or block supported upon the platform between the two figures, and mechanism operated by the revolution of one of the axles of the toy, to cause the arms of the figures to move alternately.

The construction of the improvement will be fully described hereinafter in connection with the accompanying drawing, which forms a part of this specification, and its novel features will be defined in the appended claims.

In the drawing, Figure 1 is a side elevation partly in vertical section, of a toy vehicle embodying the invention, and Fig. 2 is a reverse or bottom plan view of the same.

The reference numeral 1 designates a platform constituting the vehicle body from opposite sides of which depend brackets 2, provided with suitable bearings 3 for the axles 4 and 5, upon which are mounted wheels 6.

Upon the platform 1 are supported two hollow figures 7 and 8 made in imitation of the human body, and arranged facing each other. Between the figures a chopping table or block 9 is supported upon the platform.

The arms of each of the figures are pivotally secured by bell-crank levers, the horizontal arms of which extend through openings formed in opposite sides of the bodies of the figures, while the inner arms 10 of said levers extend within the hollow bodies and are loosely connected to the upper ends of rods or wires 11. The lower ends of the rods or wires extend through openings in the platform and are connected to tripping levers located below the platform, as will be described hereinafter.

To each hand of each of the two figures is secured a cleaver 12, or like chopping implement. Upon the axle 4 is secured a drum 13 recessed at equi-distant peripheral points to provide a plurality of cams 14, the number of said cams corresponding to the number of rods 11 employed, four being here shown. These cams are arranged in staggered relation to one another, so that each will be at a distance equal to one fourth the circumference of the drum from the next adjacent cam, to insure the desired alternate and successive movement of the arms of the two figures.

To operate the arms of the figure designated by the numeral 7, two tripping levers 15 are employed, each consisting of a resilient wire secured at one end to the under surface of the platform by screws 16 or like securing means. These wires are bent downward at the points 17 to deflect them from the under surface of the platform, and again at the point 18 to project them below the drum 13. From the bends 18 the wires incline downward to points adjacent to the drum and then extend horizontally below the drum, and are finally bent downward and outward to provide shoulders 19 and horizontal arms 20, to which latter are loosely connected the lower ends of the rods 11 of the figure designated as 7. The arms of the other figure are operated by trip-levers differing in construction from those just described, each comprising a resilient wire 21 secured at one end to the under surface of the platform adjacent to the end of the latter opposite to that to which the wires 15 are secured. These wires 21 are also bent downward adjacent to their fixed ends to deflect them below the under surface of the platform, and are then bent upon themselves to provide hook-shaped dogs 22 to engage the cams on the drum which aline therewith. The wires 21 then extend horizontally below the platform, and are bent to provide arms 23 which are loosely secured to the lower ends of the proximate connecting rods 11.

I preferably employ keepers 24 to reinforce the dogs 22.

The resilient tripping levers 15 alternate with the levers 21, and as illustrated by dotted lines in Fig. 2 the feet of the two figures or automatons alternate or are out of horizontal alinement.

The operation of the device will be readily understood. The revolution of the axle 4 and drum 13 fixed thereon brings the cams 14 successively into engagement with the shoulders 19 and dogs 22 of the tripping levers to operate the arms of the two figures, the relative arrangement of the cams and tripping levers being such that one arm of one of the figures is first moved, then one arm of the other figure, then the other arm of the first figure and then the remaining arm of the other figure, this succession and alternate movement of the arms being continuous as long as the toy is trundled or propelled.

While the primary purpose of the construction, is to produce the alternate movement of the arms of the two figures to simulate the action of two persons chopping, the invention is not restricted to the construction and details shown, but includes all such modifications and variations as may fall within the terms and scope of the following claims.

What I claim and desire to secure by Letters Patent, is:—

1. A trundling toy, comprising a platform, axles supporting said platform, wheels mounted on said axles, a drum fixed upon one of said axles, and recessed to provide peripheral cams equidistant from each other, a hollow figure or automaton supported upon the platform, and provided with movable arms, bell-crank levers, upon which said arms are mounted, connecting rods or wires extending within said figure and connected to said bell-crank levers, and means for operating said rods and bell crank levers comprising resilient tripping levers, each secured at one end to said platform, and adapted to engage said cams, said tripping levers being loosely secured to said connecting rods.

2. A trundling toy, comprising a wheeled vehicle having a platform, two hollow automaton figures supported on said platform facing each other and each having movable arms, bell-crank levers upon which said arms are mounted, implements attached to the hands of the figures, a table supported upon the platform between the two figures, and means operated from one of the axles of the vehicle for moving the arms of said figures alternately, comprising a drum fixed upon said axle and formed with equidistant peripheral cams, tripping levers secured below said platform and bent to engage said cams, and connections between said tripping levers and said bell-crank levers.

3. A trundling toy, comprising a wheeled vehicle having a platform, two hollow automaton figures supported on said platform facing each other and each having movable arms, bell-crank levers upon which said arms are mounted, implements attached to the hands of the figures, a table supported upon the platform between the two figures, and means operated from one of the axles of the vehicle for moving the arms of said figures alternately, comprising a drum fixed upon said axle, and formed with equidistant peripheral cams, rods or wires loosely connected at their upper ends to said bell-crank levers, a pair of resilient tripping levers secured below said platform, projected below said drum, and connected to the rods or wires of one of said figures, and a pair of resilient tripping levers secured below the platform and extending above said drum and provided with dogs extending below the drum, and arms loosely connected to the rods or wires of the other figure.

4. In a trundling toy, the combination with a wheeled vehicle having a platform body, of two hollow automaton figures each having movable arms, bell-crank levers upon which said arms are mounted, rods depending from said bell crank levers and extending through said platform, a drum fixed upon one of the axles of the vehicle and recessed to provide equidistant peripheral cams, a pair of tripping levers for each of said figures adapted to engage said cams, and loosely connected to the lower ends of said depending rods, the members of each pair of tripping levers alternating with those of the other pair, and the feet of one of said figures being arranged out of horizontal alinement with those of the other figure.

In testimony whereof I affix my signature in the presence of two witnesses.

HENRY STUBERT.

Witnesses:

ULYSSES S. ARMSTRONG,

JOSEPH S. STUBERT.