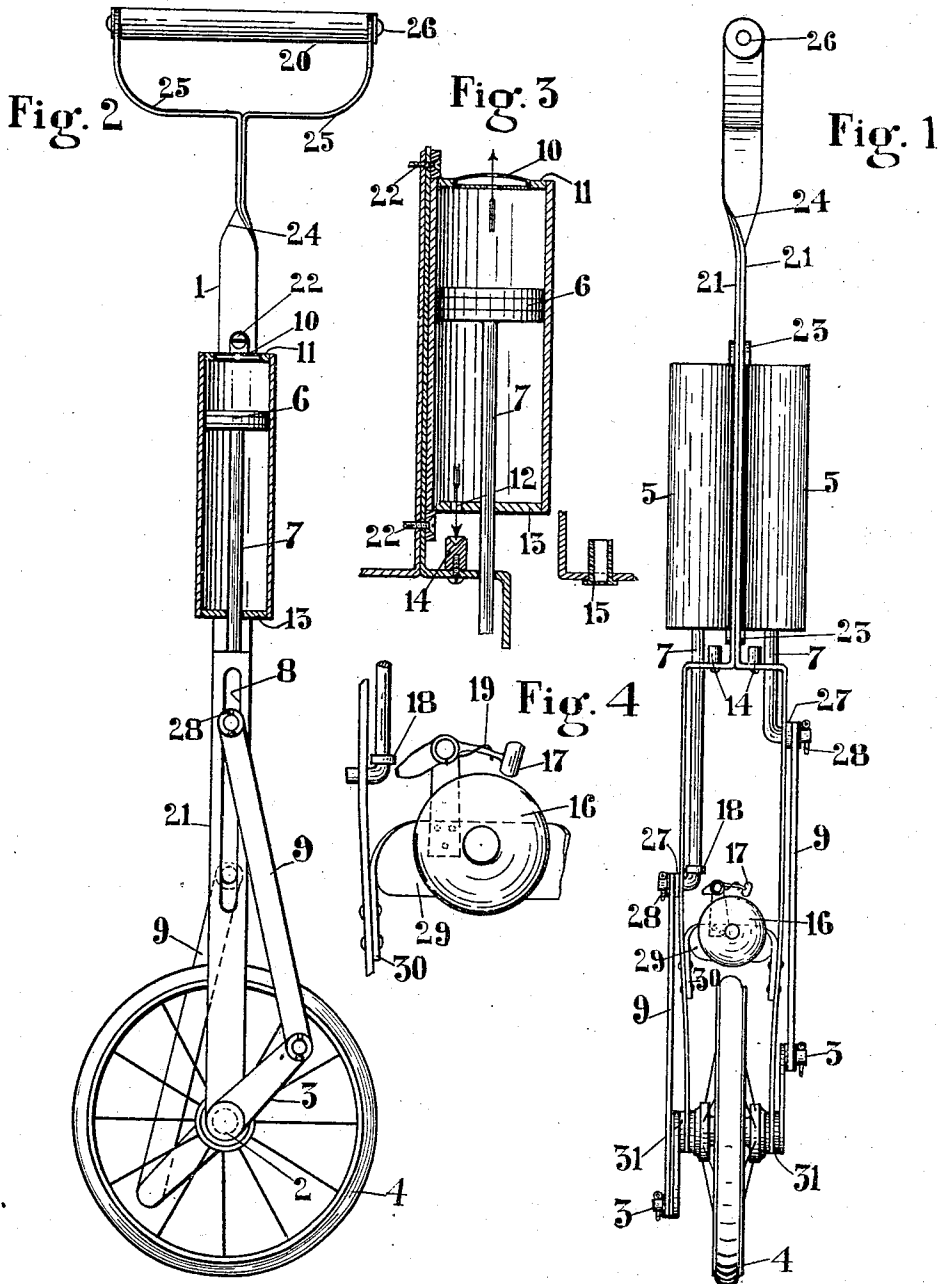


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TOY.

APPLICATION FILED DEC. 26, 1908.

968,549.

Patented Aug. 30, 1910.



WITNESSES:
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UNITED STATES PATENT OFFICE.

RUSH S. GILKESON, OF DETROIT, MICHIGAN.

TOY.

968,549.

Specification of Letters Patent. Patented Aug. 30, 1910.

Application filed December 26, 1908. Serial No. 469,303.

To all whom it may concern:

Be it known that I, RUSH S. GILKESON, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Toys, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a toy adapted to be trundled along the ground something after the manner of a hobby horse and provided with means whereby it imitates the sound of a locomotive when it is rolled along.

The invention consists in the matters hereinafter set forth, and more particularly pointed out in the appended claims.

In the drawings, Figure 1 is a view in front elevation, of a device embodying features of the invention. Fig. 2 is a view in side elevation, partly in section, of the device. Fig. 3 is an enlarged view in longitudinal section of a cylinder and piston and means therein for whistling and imitating the hiss of escaping steam. Fig. 4 is a view in detail of a bell and hammer.

Referring to the drawing, a frame 1 of suitable design has a horizontal shaft 2 journaled in its lower end with oppositely disposed cranks 3. A drive wheel 4 is secured on the crank shaft. A pair of cylinders 5 secured side by side or in any other convenient position on the frame have pistons 6 whose stems 7 are in sliding engagement with guide slots 8 in the frame 1 and are connected by connecting rods 9 each to a crank 3. A whistle 10 of suitable design is secured in each cylinder head 11 so as to sound when the air is forced out by the piston on its outstroke. A vent 12 in each inner head 13 directs a jet of air from its cylinder on the instroke of the piston against a plug 14, shell 15 or other like impediment on the frame and thereby makes a hissing noise similar to steam escaping from the cylinder cocks of an engine. A gong 16 is secured on the frame 1 with a hammer 17 adapted to be tripped by a suitable stop 18 on one of the piston stems as the latter approaches the limit of its stroke, and a suitably disposed spring 19 snaps the hammer back against the gong. A handle 20 at the upper end of the frame enables the user to trundle and guide the toy easily along the ground. When thus moved, the intermittent

whistling, hissing and bell ringing imitate closely the sound of a moving locomotive.

While the toy may be built of any desired material and suitable design, the frame preferably consists of a pair of flat metal bars 21 riveted or bolted together for a portion of their length mediate their ends, with the cylinders 5 secured on opposite sides of the contiguous portions by bolts 22, screws or the like passing through lugs 23 formed on the cylinder ends. Above the cylinders, the bars are given a half turn or twist as at 24, and are outbent above the turn to form arms 25 between which the handle 20 is conveniently secured by a bolt 26 passing longitudinally therethrough. Below the cylinders, the bars are turned outwardly at right angles and guide apertures are formed thereon for the piston stems 7. The bars extend beyond this in parallel relation with guide slots 8 engaging the outturned stem ends, washers 27 and cotter pins 28 preventing displacement of the connecting rods 9, which, preferably, are also straps or flat bars in cross-section. A yoke 29 whose down turned ends 30 are riveted to the bars beyond the stem guide slots 8, not only holds the bars in spaced relation, but also acts as a support for the gong 16. The lower extremities of the bars are preferably slightly convergent with washers 31 on the crank shaft 2.

Obviously, changes in the details of construction may be made without departing from the spirit of the invention and I do not limit myself to any particular form or arrangement of parts.

What I claim as my invention is:—

1. A toy comprising a frame having a bearing wheel near one end on which it may be trundled along the ground, a pair of cylinders on the frame, pistons therein operatively connected to the wheel, a whistle in one end of each cylinder adapted to be sounded by air forced therethrough by the cylinder piston, means at the other end of each cylinder separate from the opening for the piston connections adapted when air is forced therethrough by the piston to imitate the sound of escaping steam, a gong on the frame and means for striking the gong operated by the piston mechanism.

2. A toy comprising a frame having a bearing wheel near one end on which it may be trundled along the ground, a pair of cylinders on the frame, pistons therein opera-

tively connected to the wheel, a whistle in one end of each cylinder adapted to be sounded by air forced therethrough by the cylinder piston, a vent in the other end of each cylinder, an impediment on the frame opposing the vent, a gong on the frame and means for striking the gong operated by the piston.

3. A toy comprising a frame consisting of a pair of flat bars secured together for a portion of their length between their ends, and given a half turn near one end of their contiguous portions, the portions beyond the turn being separated and the bars being oppositely offset beyond the other end of their contiguous portions, a handle secured between the separated portions, a yoke connecting the offset limbs of the bars, a double

crank shaft journaled in the ends of the offset limbs, a bearing wheel on the shaft, cylinders on the frame, pistons therein each operatively connected to the crank shaft, a whistle in each cylinder adapted to be operated by air moved by the piston, means on each cylinder for producing a hissing sound operated by and moved by the piston, and a gong on the frame adapted to be intermittently sounded by one of the pistons.

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

RUSH S. GILKESON.

Witnesses:

ANNA M. DORR,
C. R. STICKNEY.