

TOY.

1,365,533.

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UNITED STATES PATENT OFFICE.

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To all whom it may concern:

Be it known that I, FRANK NASH, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Toys, of which the following is a specification.

This invention relates broadly to toys, and has particular reference to the drawn or hand pulled variety, the object of the invention being generally to provide a toy of a portable nature upon which is mounted a structure resembling in miniature the derrick formation of an oil well, the arrangement being such that when the toy is pulled or drawn over a suitable surface, motion will be derived from the rotation of its wheels and transmitted to the movable superimposed parts carried by the toy, so that upon the movement of the vehicle, the well resembling elements will be caused to operate in a realistic and pleasing manner.

Another object of the invention resides in a toy of the nature stated wherein one of the drive axles is provided with a belt wheel, over which is trained an endless cable, the latter leading to a superimposed drum mounted upon the platform of the toy, and from which the remaining movable elements of the toy derive their motion.

For a further understanding of the invention reference is to be had to the following description and to the accompanying drawing, in which similar characters of reference denote like and corresponding parts throughout the several views thereof. In said drawing:

Figure 1 is a side elevation of the improved toy comprising the present invention.

Fig. 2 is a top plan view thereof, and,

Fig. 3 is a detailed elevation of the rear end of the toy.

Referring more particularly to the drawing, the numeral 1 designates the improved toy comprising the present invention in its entirety. This toy is preferably of a portable nature and is formed to embody a wheeled platform 2. Axle brackets 3 and 4 are secured to the front and rear portions of the platform respectively, and provide journals for the reception of front and rear axles 5 and 6. Said axles have their extremities fixed to transport wheels 7, whereby when the toy is suitably propelled, said axles will rotate in unison

with the wheels. The front axle bracket 3 may be pivotally mounted as at 8 in connection with the platform 2, and as shown is provided with a tongue 9, by means of which the toy may be conveniently drawn and propelled over a suitable surface, the pivot construction 8 allowing for the free turning movement of the toy in any desired direction.

Fixed to the rear axle 6 is a pulley 10, over which is trained an endless cable 11. This cable extends upwardly and is trained through suitable openings 12 formed in the platform 2, so that the cable may also be trained over a second pulley 13 carried in a superimposed manner upon the platform 2. The pulley 13 is rotatably journaled upon a shaft 14, which in turn is mounted in bearings 15, projecting upwardly from the platform 2. By this construction, it will be manifest that the movement of the toy will result in the rotation of the axle 6, and thence through the medium of the cable construction 11, motion will be imparted to the pulley 13. Connected with the pulley 13 or with its shaft 14 is a second pulley 16, which is so mounted as to rotate in unison with the pulley 13. Over the pulley 16 there is trained an endless cable 17, which extends in parallelism with the platform 2 and is so extended as to pass over a pulley 18, the latter being located upon a shaft 19 journaled in bearings 20 upon the forward part of the platform 2, the construction being such that the rotation of the pulley will result in the simultaneous rotation of the shaft 19. This shaft may be provided with a drum or windlass 21 which is adapted to rotate during the movement of the toy. One end of the shaft 19 is provided with a crank arm 22 to which is suitably connected the lower end of a link 23, the upper end of said link being pivotally connected with one end of an oscillating beam 24. The latter is centrally pivoted as at 25 upon a standard construction 26 arising from the platform 2. Thus it will be manifest that the rotation of the axle 6 will result in imparting motion to the shaft 19, and thence through the link connection 23, the beam 24 will be similarly operated. The end of the beam 24 opposite to the link 23 may be connected with an upright pole 27 which may carry any suitable novelty, for instance a flag 28, at its upper end. This construction is such that the oscillation of the beam will result in im-

parting motion to the pole construction, or its equivalent. The pole itself is mounted for sliding movement within a derrick simulating structure 29, the latter being also
 5 carried by the platform 2, and its presence is such as to impart an oil well simulating appearance to the toy.

In view of the foregoing description, it will be seen that there is provided a toy of
 10 simple and economical formation which, by being drawn over a suitable surface, will result in imparting motion to the superimposed well resembling mechanism, so that upon the movement of the toy all of the
 15 movable parts thereof will be set into motion. The arrangement is such as to particularly appeal to children, and provides for their amusement, mechanical instruction and entertainment.

20 What is claimed is:

1. In a portable toy of the character described, a platform, front and rear sets of wheels for said platform, oil well resembling mechanism mounted upon said plat-
 25 form, said mechanism being formed to include a pulley mounted for rotation contiguous to the rear portion of said platform, means operated by the rotation of the rear set of wheels of said platform for effecting

the rotation of said pulley, a drum structure 30 mounted upon the forward portion of said platform, a power transmitting device between said pulley and said drum structure, a pivoted walking beam, and a crank connection between said drum structure and
 35 said walking beam for effecting the oscillation of the latter.

2. In a portable toy of the character described, a platform, steering and driving wheels depending from said platform, oil
 40 well simulating mechanism mounted upon the upper surface of said platform, said mechanism including a pulley capable of being rotated when said driving wheels are in motion, a drum structure, a driving connec-
 45 tion between said pulley and said drum structure, a pivoted walking beam, a crank connection between said drum structure and said walking beam for oscillating the latter,
 50 an upstanding derrick, a member slidably mounted in connection with said derrick, said member having its lower end connected with one of the ends of said walking beam, whereby upon the oscillation of the latter,
 55 the derrick carried member will be reciprocated vertically.

In testimony whereof I affix my signature.
 FRANK NASH.