G. E. THOMAS.

TOY.

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1,168,978. Patented Jan. 18, 1916.

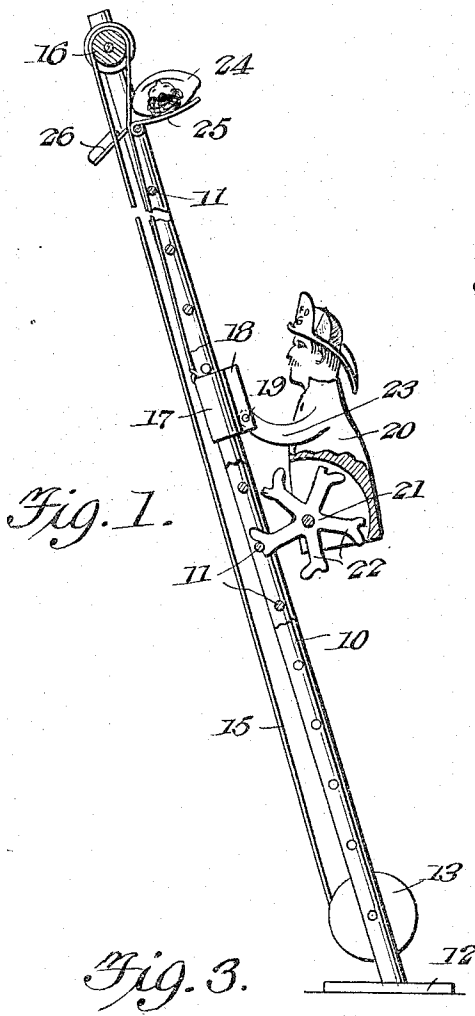


Fig. 1.

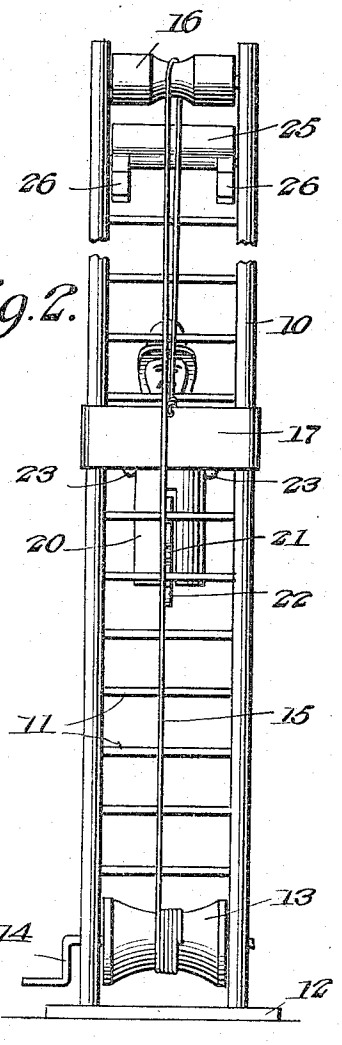


Fig. 2.

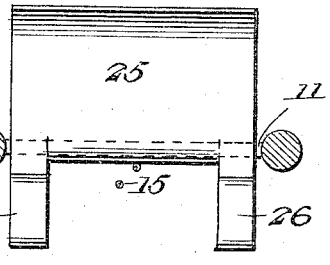


Fig. 3.

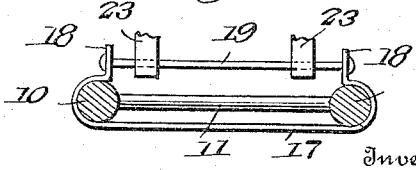


Fig. 4.

Witnesses

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TOY.

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To all whom it may concern:

Be it known that I, GEORGE E. THOMAS, a citizen of the United States, residing at Atlantic City, in the county of Atlantic and State of New Jersey, have invented new and useful Improvements in Toys, of which the following is a specification.

An object of the invention is to provide a toy of a simple construction, and which consists of few parts, can be operated by a child and will afford great amusement.

The invention contemplates, among other features, the provision of a toy which is preferably made up to simulate a fireman ascending a ladder and rescuing a body from a window sill, and to this end the invention consists of a ladder, a fireman, an elevating means and a movable shelf or support for the body, which, when the elevating means is actuated to cause the fireman to ascend the ladder, will be tilted so that the body will gravitate into the arms of the fireman who, upon releasing the elevating device, will gravitate to the ground or the foot of the ladder with the body in his arms.

In the further disclosure of the invention reference is to be had to the accompanying drawings, constituting a part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in which:

Figure 1 is a side elevation of the device, parts being broken away to disclose the underlying structure; Fig. 2 is a rear elevation; Fig. 3 is a horizontal sectional view taken on the line 3—3 in Fig. 1; and Fig. 4 is a horizontal sectional view taken on the line 4—4 in Fig. 1.

Referring more particularly to the views, I disclose a ladder 10 having the usual transverse rungs 11, said ladder being preferably supported on a suitable base 12 to extend outwardly at a slight incline. Journaled on the base is a drum 13 operated by a suitable crank handle 14 into which is secured one end of a cord 15 passing upwardly along the rear of the ladder and passing around a roller 16 journaled on the upper end of the ladder, the free end of said cord being connected to an elevator 17 preferably formed of a single piece of material having its ends bent around the front face of the ladder so that the elevator can be slid up and down with the sides of the ladder as guides, the raising or lowering of the elevator being accomplished through the medium of the drum and crank handle mentioned, and which constitutes a suitable elevator mechanism. A plurality of flanges 18 project from the front of the elevator 17 and secured thereto is a horizontal rod 19 upon which is pivoted to depend a figure 20 preferably having the outline of a fireman in uniform, a leg wheel 21 being freely mounted to turn upon the body and having the legs 22 adapted to operate upon the rungs 11 of the ladder when the body is raised or lowered through the medium of the elevator and the elevating mechanism.

The figure 20 is provided with arms 23 forming a cradle for a body 24 normally lying upon a supporting member 25 which is mounted to swing upon the ladder and includes rearwardly projecting extensions 26 adapted to be engaged by the elevator 17 to tilt the supporting member 25 and permit the body thereon to gravitate into the arms of the figure.

In the use of the device described we will assume that the fireman is stationed at the foot of the ladder with one of the legs engaging the lower rung of the ladder. Now upon turning the crank handle to wind up the cord 15 thereon it will be seen that a pull will be imparted to the elevator 17, causing the same to slide upwardly upon the ladder and thus carry the figure upwardly, thereby resulting in the rotation of the leg wheel in view of the fact that one of the legs of the leg wheel previously has been in engagement with one of the rungs of the ladder and, in fact, supports the lower portion of the figure upon the ladder. Thus it will appear as if the fireman were ascending the ladder the same as in actual life and when the elevator 17 engages the extensions 26, it will be seen that the supporting member 25 will be tilted to release the body 24 and which will fall into the arms 23 of the fireman. The winding up of the drum is now discontinued and the elevating mechanism released so that the figure, with the body in its arms, will gravitate down the ladder to the base 12.

From the foregoing description it will be seen that the toy described is of a simple construction, consists of few parts that can be readily operated, and can also be readily operated without danger of getting out of order.

Having thus described my invention, I claim:

1. In combination with an upstanding member, a drum, a cord wound around the drum, an elevator slidable on the upstanding member and having the cord connected therewith whereby the elevator will be actuated upon operation of the drum, a figure connected with the elevator, a tiltable platform on the upstanding member and adapted to be engaged by the elevator to tilt the platform, and a body normally disposed on the platform and adapted to be projected on to the figure when the platform is tilted.

2. In combination with an upstanding member, a drum, a cord wound around the drum, an elevator slidable on the upstanding member and having the cord connected therewith whereby the elevator will be actuated upon operation of the drum, a figure connected with the elevator, a tiltable platform on the upstanding member and adapted to be engaged by the elevator to tilt the platform, a body normally disposed on the platform and adapted to be projected on to the figure when the platform is tilted, rungs on the said upstanding member, and a leg wheel revolubly carried by the figure to operate upon said rungs as the figure is caused to ascend or descend the upstanding member through the medium of the said elevator and the operating mechanism therefor.

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

GEORGE EICHMAN THOMAS.

Witnesses:
HENRY REICH,
MAUD RICE.

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