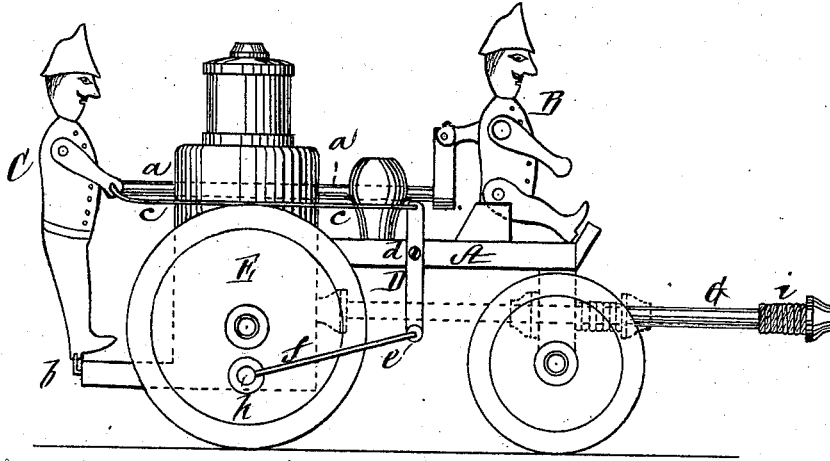


W. S. REED.  
Toy.

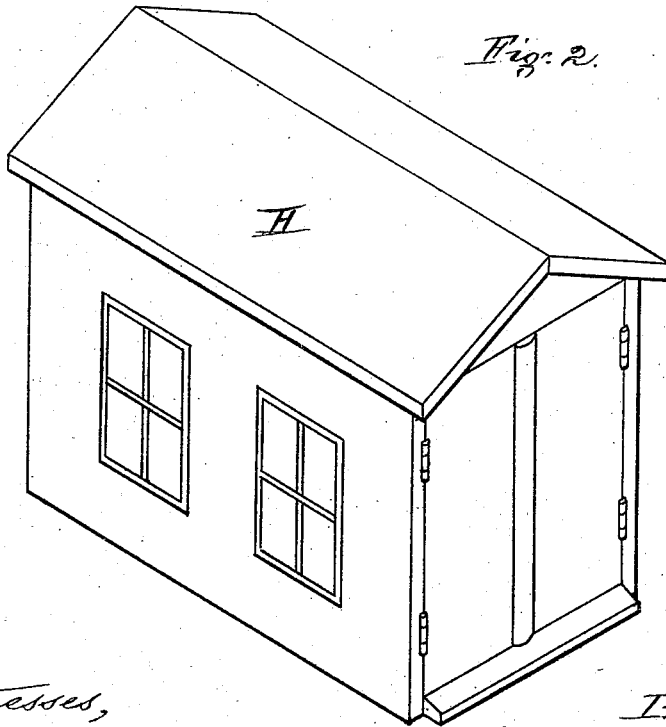
No. 203,775.

Patented May 14, 1878.

*Fig. 1.*



*Fig. 2.*



*Witnesses,*  
*W. J. Cambridge*  
*Chas. E. Griffin*

*Inventor,*  
*William S. Reed,*  
*Per Teschemacher & Stearns,*  
*Attorneys.*

# UNITED STATES PATENT OFFICE.

WILLIAM S. REED, OF LEOMINSTER, MASSACHUSETTS.

## IMPROVEMENT IN TOYS.

Specification forming part of Letters Patent No. 203,775, dated May 14, 1878; application filed April 4, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM S. REED, of Leominster, in the county of Worcester and State of Massachusetts, have invented an Improved Toy Fire-Engine, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation of a toy fire-engine constructed in accordance with my invention. Fig. 2 is a perspective view of the engine-house, in which the engine is located when not in use.

My present invention consists in a toy fire-engine, in which the figures of the fireman and the driver are made to move by the revolution of the wheels, thus forming a pleasing and instructive toy for children; and my invention also consists in providing the toy engine with a pole made to slide thereunder, whereby compactness is secured, which enables the engine to occupy a smaller house, the pole also being made to revolve for the purpose of winding the draft-rope thereon.

To enable others skilled in the art to understand and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A represents the body or platform of the engine, at the front of which is located the figure of the driver B, and at the rear the figure of the fireman C, both united by a sliding jointed connection-rod, *a*.

To the figure of the fireman C which, is pivoted at its foot *b*, is connected one end of a rod *c*, the other end of this rod being secured to the upper end of a vibrating lever, D, pivoted at *d* to the side of the platform A.

To an arm, *e*, projecting out from the bottom of the vibrating lever D, is secured the front end of a connecting rod or wire, *f*, the rear end of which is secured to a crank-pin, *h*, projecting out from the side of one of the rear wheels E, by which construction, when the

wheels are revolved, motion is imparted to both of the figures of the driver and fireman, the former being also pivoted to the seat to admit of this being done.

G is the draft-pole, made to slide under the engine when not required for use, compactness being thereby secured for the engine, thus requiring a smaller house to place it in. This pole is also free to revolve within the front of the truck, and a convenient means is thereby afforded for winding the rope *i* on one end thereof.

When not required for use, the engine is pushed into a house, H, and the pole slid under the platform out of the way, when the engine occupies but little space.

It is evident that instead of employing the vibrating lever and connecting-rods for moving the figures of the driver and fireman by the motion of the wheels, the same may be operated by belts, cranks, or other connections, if desired, without departing from the spirit of my invention.

The above-described toy is not only amusing but instructive, and develops the mind of the child.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In a toy fire-engine, the pivoted figures of the driver B and fireman C, connected by a jointed rod, *a*, in combination with the rod *c*, vibrating lever D, arm *e*, connecting-rod *f*, crank-pin *h*, and wheel E, all constructed to operate substantially in the manner and for the purpose set forth.

2. In a toy fire-engine, the pole G arranged to slide thereunder and constructed to revolve on its axis, substantially as and for the purpose set forth.

Witness my hand this 29th day of March, A. D. 1878.

W. S. REED.

In presence of—

N. W. STEARNS,  
P. E. TESCHEMACHER.