W. S. REED.

TOY-LOCOMOTIVE.

No. 193,460. Patented July 24, 1877.

Fig. 1.

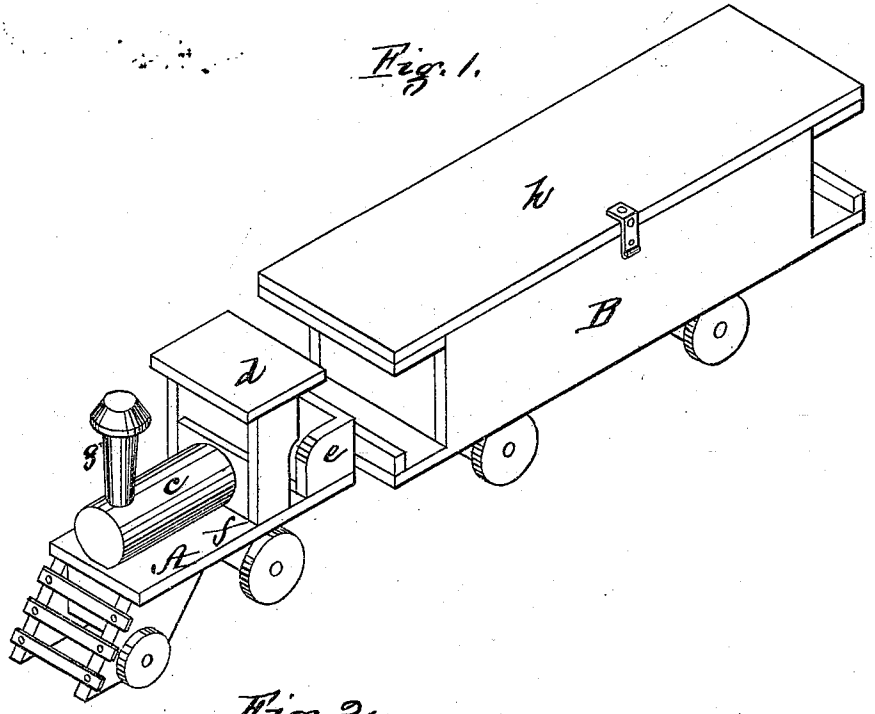
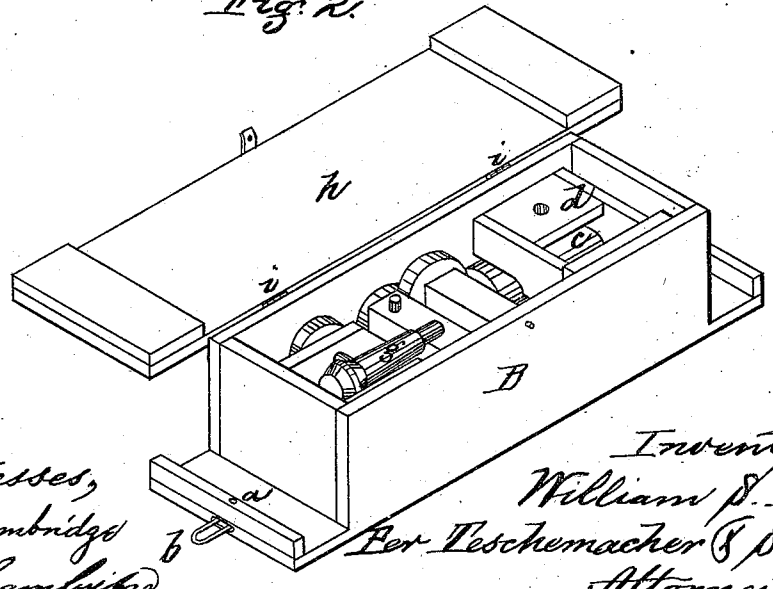


Fig. 2.



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UNITED STATES PATENT OFFICE.

WILLIAM S. REED, OF LEOMINSTER, MASSACHUSETTS.

IMPROVEMENT IN TOY LOCOMOTIVES.

Specification forming part of Letters Patent No. **193,460**, dated July 24, 1877; application filed April 13, 1877.

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 Improvement in Knock-Down Toys, 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 perspective view of a toy engine and car constructed in accordance with my invention. Fig. 2 represents the car when employed as a box for receiving the several portions of the engine taken apart, and the wheels and axles of the car.

My invention relates to a toy so constructed that it can be readily taken apart, and the disconnected pieces packed within a box or receptacle, which forms a portion of the toy when set up or put together; and consists in the construction and arrangement of the parts, as hereinafter fully described.

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 a locomotive-engine, and B a car, coupled together by a pin, *a*, passing through a link, *b*. The boiler *c* and front and rear portions *d e* of the cab are made detachable from the truck or platform *f* of the engine, and are held in their respective positions by dowel-pins entering corresponding holes, the bottom of the smoke-stack *g* fitting into an aperture in the boiler *c*, and being readily detachable therefrom. The car B is made hollow, and its top *h* is hinged at *i i*, by which construction a box is provided for containing the several portions of the engine when disconnected, and the wheels and axles of the car, which may be compactly stowed therein, as seen in Fig. 2, in which position the parts are always at hand, ready for use, and thus prevented from being mislaid or lost. Furthermore, when the top or cover *h* is shut down, the whole toy occupies but very little space, and can be very conveniently carried from place to place, the separate box (forming no portion of the toy) heretofore required being thus dispensed with.

A toy made in accordance with my invention also possesses the additional advantage of being instructive to children, as the setting up of the several pieces gives an idea of construction, and tends to fix in the mind the relative position of the parts.

I do not confine my invention to a toy engine and car, as other toys may be constructed in a similar manner—for instance, a steamboat, in which case the hull will serve as a box or receptacle for holding the removable parts, such as paddle-wheels, walking-beam, &c.

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

A knock-down toy consisting of a locomotive-engine, formed of detachable parts, and a car for containing the detachable parts of the engine, substantially as herein shown and described.

Witness my hand this 9th day of April, 1877.

WM. S. REED.

In presence of—
P. E. TESCHEMACHER,
N. W. STEARNS.