

W. E. LEONARD.
Toy-Trundler.

No. 160,021.

Patented Feb. 23, 1875.

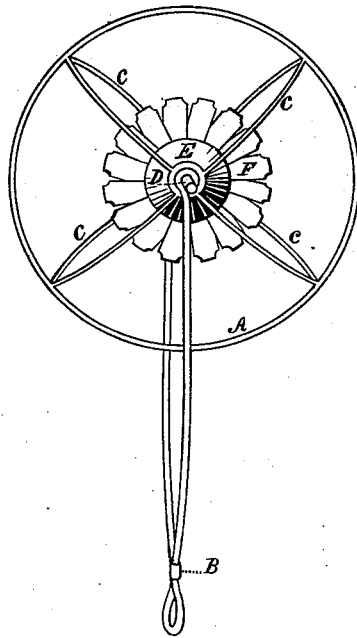


Fig. 1.

Witnesses;
H. E. Metcalf,
H. E. Rennie

Inventor;
Wm E. Leonard,
By *C. A. Shaw,*
Att'y.

UNITED STATES PATENT OFFICE.

WILLIAM E. LEONARD, OF CHELSEA, MASSACHUSETTS, ASSIGNOR OF ONE-HALF HIS RIGHT TO WILLIAM LEONARD, OF SAME PLACE.

IMPROVEMENT IN TOY TRUNDLES.

Specification forming part of Letters Patent No. **160,021**, dated February 23, 1875; application filed November 2, 1874.

To all whom it may concern:

Be it known that I, WILLIAM E. LEONARD, of Chelsea, in the county of Suffolk, State of Massachusetts, have invented a certain new and useful Improvement in Toy Wheels, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is an isometrical perspective view, showing my improvement.

My invention relates to that class of toy wheels which are designed to be trundled by means of a handle; and consists in a novel construction and arrangement of the parts, as hereinafter more fully set forth and claimed, by which a simple, cheap, and amusing article of this character is produced.

In the drawing, A represents the wheel, and B the handle. The wheel is provided with a series of braces or spokes, arranged to form the ellipses *c c*, as shown. An axle, D D, is centrally disposed in the wheel, being supported by the braces at the point of their intersection. Upon the axle there is mounted a hub, E, provided with the flat radial spokes F, set diagonally therein to form a fan or wind

wheel. The axle D extends slightly beyond the braces *c c* upon each side of the wheel, forming hubs, over which eyes or loops in the end of the handle B are slipped, as shown, the wheel E being adjusted between the braces to turn freely upon the axle.

From the foregoing the nature and operation of my invention will be readily understood by all conversant with such matters.

When the wheel A is either propelled or drawn along the floor or ground by means of the handle B the resistance of the atmosphere will cause the wind-wheel E to revolve rapidly on the axle D, producing a very amusing and beautiful effect.

It will be understood that the fans F are designed to be painted in a variety of colors—red, white, and blue being preferable.

Having thus explained my invention, what I claim is—

The toy wheel described, the same consisting of the wheel A, having the elliptical braces *c c* and handle B, and provided with the central fan-wheel E, constructed and arranged to operate substantially in the manner and for the purpose specified.

WILLIAM E. LEONARD.

Witnesses:

C. A. SHAW,
H. E. METCALFE.