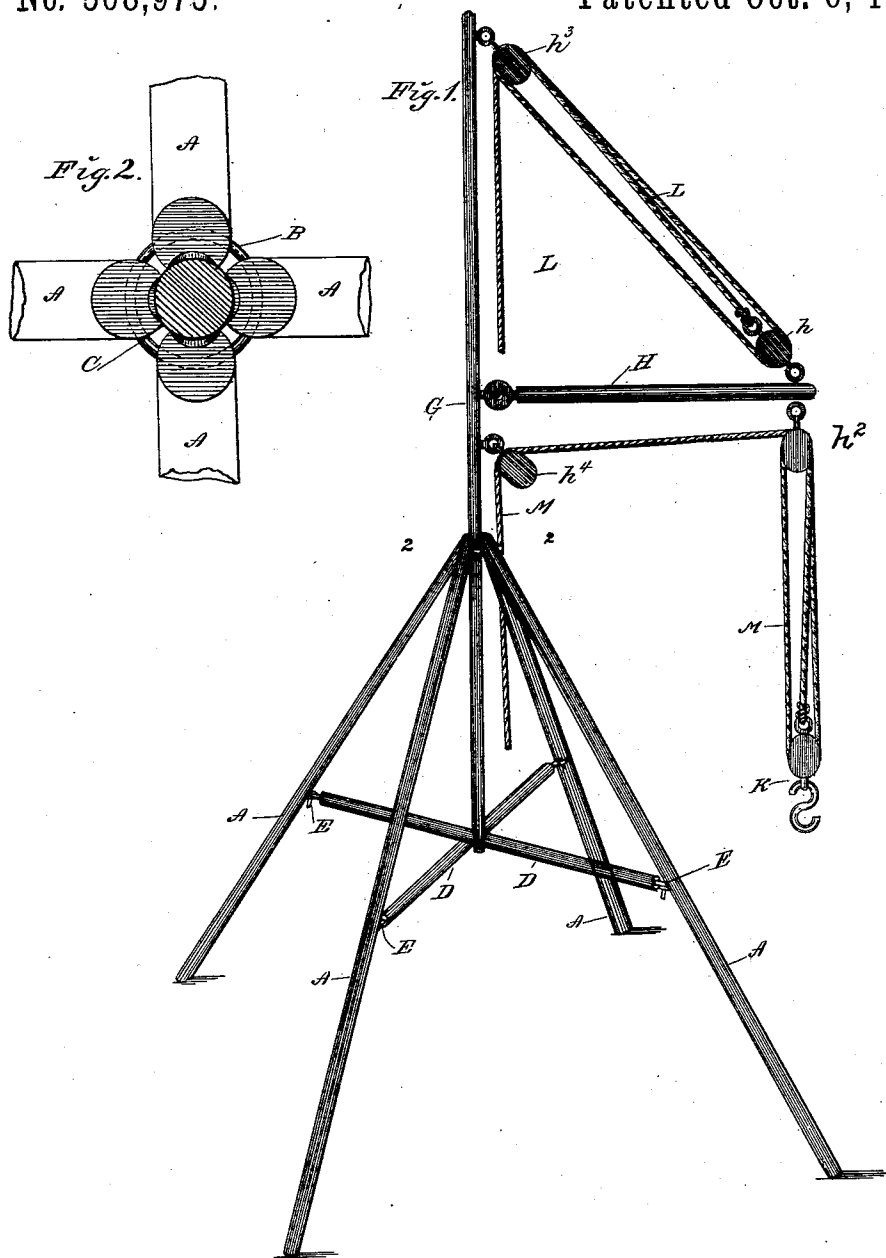


(No Model.)

W. M. HART.
SELF SUPPORTING TOY DERRICK.

No. 568,975.

Patented Oct. 6, 1896.



WITNESSES:

C. Vordyon
C. Gerst

INVENTOR

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UNITED STATES PATENT OFFICE.

WILLIAM MARTIN HART, OF NEW YORK, N. Y.

SELF-SUPPORTING TOY DERRICK.

SPECIFICATION forming part of Letters Patent No. 568,975, dated October 6, 1896.

Application filed March 4, 1896. Serial No. 581,779. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM MARTIN HART, a citizen of the United States, and a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Self-Supporting Toy Derricks, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to toy derricks, and the object thereof is to provide an improved device of this class for use by children; and the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a perspective view of my improved toy derrick, and Fig. 2 a section thereof on the line 2 2.

In the practice of my invention I provide a toy derrick in which are employed a plurality of legs or supports A, which are preferably four in number and which are connected at one end by means of a ring B, which is passed therethrough, and the connected ends of said legs or supports are beveled out or cut away, so as to form a circular opening, as shown at C. I also employ two rods or braces D, which are adapted to be detachably connected with the alternate legs or supports A, as shown in Fig. 1, by means of hooks and eyes or similar devices, as shown at E. Passing through the circular opening C and pivotally connected with one of the cross bars or braces D is a vertical shaft G, provided about midway of its length with a pivoted arm H, with the opposite end and with the upper side of which is pivotally connected a pulley-block h , and a similar pulley-block h^2 is pivotally connected with the lower side of said arm at the outer end thereof. A pulley-block h^3 is also pivotally connected with the upper end of the shaft G, and a similar block h^4 with said shaft below the pivotal connection of the arm H, and I also employ a loose pulley-block K.

In practice a rope L is secured to the pulley-block h , passes around the pulley-block

h^3 , is carried back and around a pulley-block h , and again passed around the block h^3 , and the end thereof depends therefrom. A similar rope M is secured to the loose pulley-block K and passes around the block h^2 , from which it is passed around the block K and then again around the block h^2 , from which it is passed to and around the block h^4 , and the end thereof extends from said block downwardly.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawings. Whenever it is desired to raise an object, said object is connected with the block K and the operator pulls upon the rope M or the free end thereof, and the outer end of the arm H may be raised or lowered at any time by pulling on the free end of the rope M. It will also be apparent that the shaft G and the arm H may be swung around upon the pivotal support of the shaft and that the arm H may thus be caused to swing entirely around the base or support consisting of the legs A.

This device is intended for use by children in building toy houses and other structures and for raising blocks and other articles for such and similar purposes, and, as will be apparent, the same is simple in construction and operation and well adapted to accomplish the result for which it is intended, while being comparatively inexpensive.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A toy derrick, comprising a plurality of legs or supports as A, which are connected at one end by a ring which is passed therethrough, and the connected ends of which are cut out so as to form a circular opening, said legs or supports being also provided with transverse braces or bars, and a shaft which is passed through said circular opening, and the lower end of which is pivotally connected with one of said braces or bars, said shaft being provided with an arm which is pivotally connected therewith, and provided with two pulley-blocks at its outer end, and said shaft being also provided with two pulley-blocks one of which is connected with its upper end, and the other being connected therewith, below said arm or adjacent thereto, substantially as shown and described.

2. A toy derrick, comprising a plurality of legs or supports as A, which are connected at one end by a ring which is passed through, and the connected ends of which
5 are cut out so as to form a circular opening, said legs or supports being also provided with transverse braces or bars, and a shaft which is passed through said circular opening, and the lower end of which is pivotally connected
10 with one of said braces or bars, said shaft being provided with an arm which is pivotally connected therewith, and provided with two pulley-blocks at its outer end, and said shaft being also provided with two pulley-
15 blocks one of which is connected with its up-

per end, and the other being connected therewith, below said arm or adjacent thereto, and a loose pulley-block, which is adapted to be employed in connection therewith, and two ropes, said ropes being connected with said 20 pulley-blocks, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 3d day 25 of March, 1896.

WILLIAM MARTIN HART.

Witnesses:

C. GERST,
C. MILLIN.