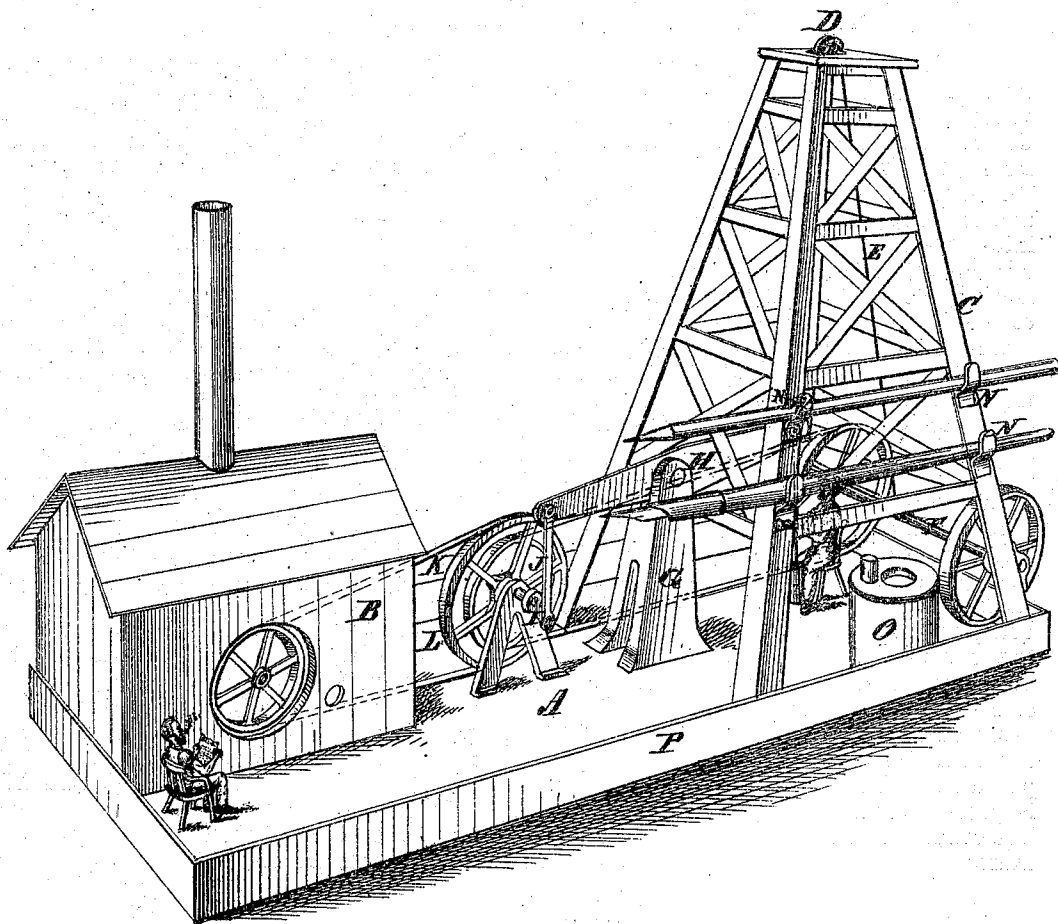


(143.)

JOHN W. BEATTY,
Improvement in Toys.

No. 122,552.

Patented Jan. 9, 1872.



Witnesses:

Geo. W. Mabey
E. L. Topliff

Inventor:

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UNITED STATES PATENT OFFICE.

JOHN W. BEATTY, OF PETROLEUM CENTRE, PENNSYLVANIA.

IMPROVEMENT IN TOYS.

Specification forming part of Letters Patent No. 122,552, dated January 9, 1872.

Specification describing a certain Improvement in Toy Oil-Well-Drilling Apparatus, invented by JOHN W. BEATTY, of Petroleum Centre, in the county of Venango and State of Pennsylvania.

This invention relates to apparatus for the amusement of the young, representing in miniature the machinery employed in boring for oil; and consists in the construction, arrangement, and combination of parts hereinafter described.

The accompanying drawing is a perspective view of an apparatus usually employed in drilling for oil, designed to stand upon a table, and combined therewith are inkstand and pen-holder.

Similar letters of reference indicate corresponding parts.

A is the platform. B is the engine-house. C is the derrick or tower, by means of which the drill is raised. D is a pulley, over which the hoisting-rope E passes, one end of the rope being attached to the drill, and the other end to the windlass F. G is the stand for the working-beam. H is the working-beam. The drill-shaft is attached to one end of the working-beam, and the beam is operated by a crank, I, to which the other end is connected by the pitman J. The belt K from the engine-pulley M passes over and revolves the band-wheel L. The crank I is on the end of this band-wheel shaft.

To represent the necessary motions of the oil-well drilling apparatus above described, when in operation I employ a clock-work as a motive power in the engine-house, and convey the necessary power and motion by means of the belt K. When the clock-work is wound up the working-beam will vibrate, and the drill will be raised and lowered substantially as in a real drilling apparatus.

N represents pen-holders on the side of the derrick C. O is an inkstand on the platform A. P is a flange around the platform, which makes a safe receptacle of the latter for pens, rubber, or other articles.

I do not limit or confine myself to the precise form or arrangement of any of the parts herein described, as they may be varied in many ways without departing from my invention.

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

1. As a new article of manufacture, a toy oil-well-drilling apparatus, constructed substantially as described.

2. The inkstand O and pen-holders N, in combination with a toy oil-well-drilling apparatus, substantially as shown and described.

JOHN W. BEATTY.

Witnesses:

JAMES H. SMITH,
SAML. REYNOLDS.

(143)