A. MEHARRY.

Portable Derricks.

No. 198,895. Patented Jan. 1, 1878.

Fig. 1.

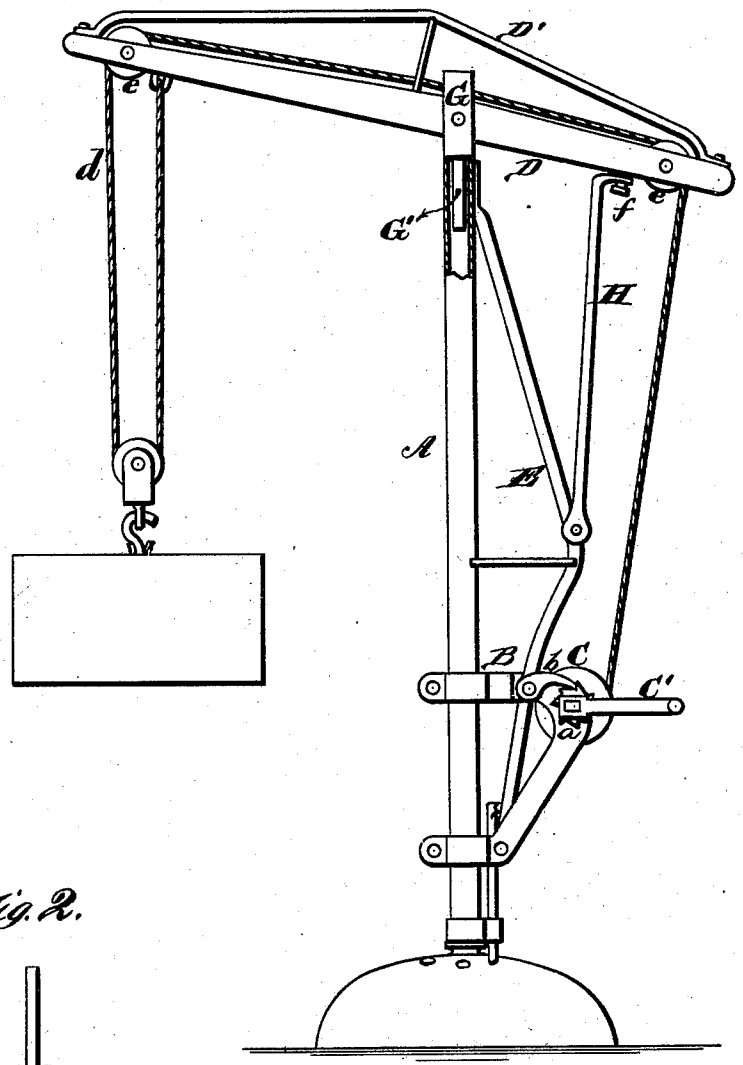
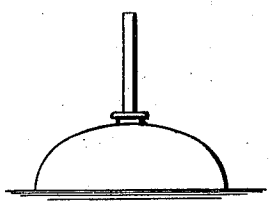


Fig. 2.



WITNESSES

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ALEXANDER MEHARRY, OF LA FAYETTE, INDIANA.

IMPROVEMENT IN PORTABLE DERRICKS.

Specification forming part of Letters Patent No. **198,895**, dated January 1, 1878; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, ALEXANDER MEHARRY, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented a new and valuable Improvement in Portable Derricks; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my portable derrick, and Fig. 2 is a modification view thereof.

The nature of my invention consists in the construction and arrangement of a portable derrick, as will be hereinafter more fully set forth.

The annexed drawing, to which reference is made, fully illustrates my invention.

A represents the upright or main support, made of gas-pipe or other suitable tubing, of any desired dimensions. Being hollow, this upright can be slipped down over an iron stake fastened in the ground firmly in the edge of the pavement, or wherever needed for use. To one side of this tubular upright A is clamped or otherwise fastened a frame, B, in which is mounted an ordinary windlass, C, having crank C′, ratchet *a*, and pawl *b*, substantially as shown.

On the side of the windlass the upright A is braced by means of a bow-brace, E, to withstand the strain that comes upon it.

D represents the top beam of the derrick, provided with a bowed brace, D′, on top. This beam is, near each end, provided with a mortise, in which a pulley, *e*, is mounted for the passage of the hoisting-rope *d*. The beam D is pivoted in a metal loop, G, which is formed with a round shank, G′, to be inserted in the upper end of the upright A; and the beam is held stationary, in proper position for hoisting, by means of a hook, H, pivoted to the brace E, and hooking over a screw, *f*, or its equivalent, in the under side of the beam. The rope *d* is fastened to the windlass C, and passed over the pulleys *e*, as shown.

When the article is raised by the derrick the hook H is released, and the beam D can then be swung to either side, as required.

This derrick can be readily taken down and apart, so as to occupy but little space; and it can be easily put up again, when needed for use.

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

1. A portable derrick, consisting of a tubular upright, with side frame, carrying a windlass, and a top beam, pivoted in a metal loop, turning in and removable from the upper end of the upright, substantially as and for the purposes set forth.

2. The combination of the tubular upright A, frame B, windlass C, and bow-brace E, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

ALEXANDER MEHARRY.

Witnesses:

EDWARD GROENENDYKE,

CHARLES GROENENDYKE.