W. MURPHY.

Hod-Elevator.

No. 162,573. Patented April 27, 1875.

Fig. 1

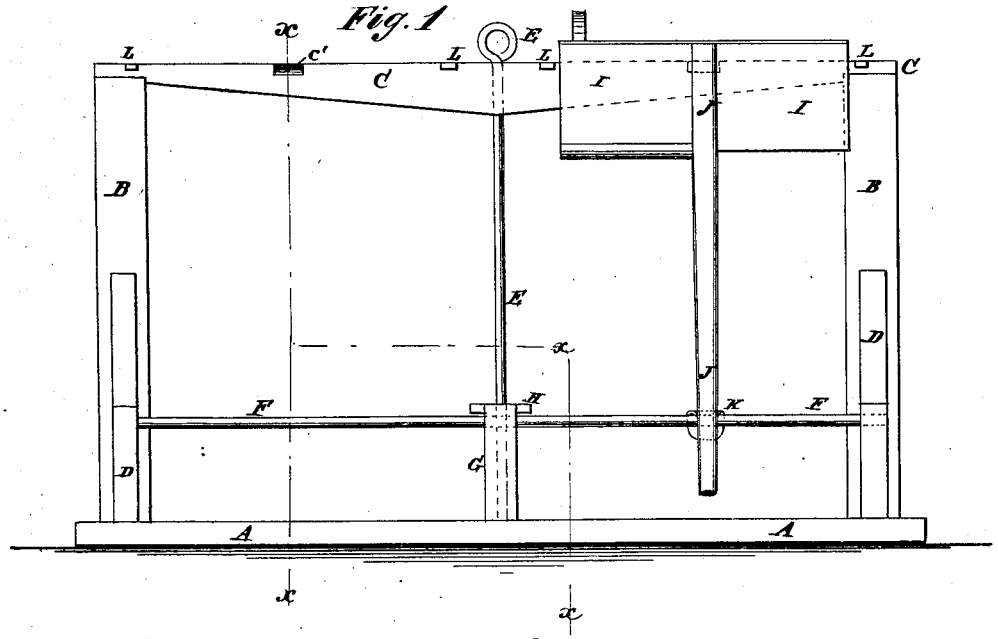
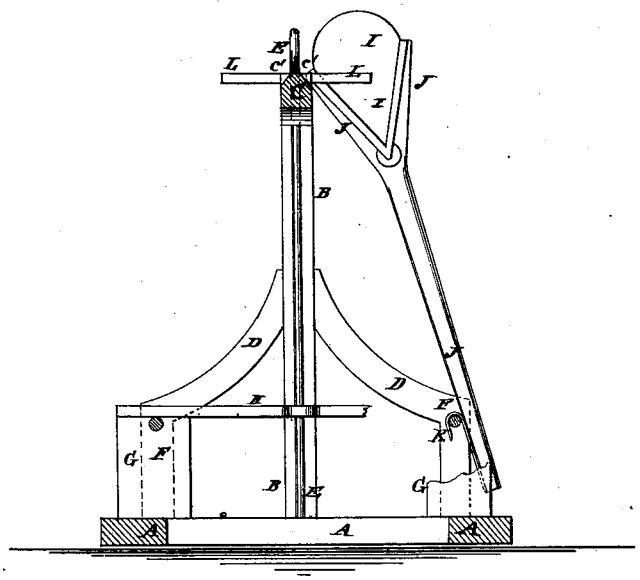


Fig. 2



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UNITED STATES PATENT OFFICE.

WILLIAM MURPHY, OF NEW YORK, N. Y.

IMPROVEMENT IN HOD-ELEVATORS.

Specification forming part of Letters Patent No. **162,573**, dated April 27, 1875; application filed November 21, 1874.

To all whom it may concern:

Be it known that I, WILLIAM MURPHY, of the city, county, and State of New York, have invented a new and useful Improved Hod-Elevator, of which the following is a specification:

Figure 1 is a side view of my improved hod-elevator. Fig. 2 is a detail cross-section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of hod-elevators for raising hods loaded with mortar, brick, &c., in buildings, and which shall be so constructed as to hold the hods securely, and in such a way that they may be conveniently placed upon and removed from the elevator by the workmen.

The invention consists in the rods attached to the frame-work of the elevator in such positions as to be over the inner part of the side bars of the base of said elevator-frame, to receive hooks attached to the handles of the hods, and in the hooks attached to the handles of the hods, and, whether stationary or swiveled, to adapt the hods to be hung upon and supported by the rods attached to frame-work of the elevator, as hereinafter fully described.

A represents the base-frame of the elevator, which is made of such a size as to pass up readily through the well-hole, or through the opening in the timbers. To the centers of the end bars of the frame A are attached the lower ends of two posts, B, the upper ends of which are attached to the ends of the cross-bar C. The uprights B work in ways to keep the elevator in place when moving up and down. The uprights B are strengthened by braces D, the upper ends of which are attached to the opposite sides of the said uprights, and their lower ends are attached to the corners of the frame A. E is the hoisting-rod, to the upper end of which is attached the hoisting rope or chain. The rod E passes down through the center of the top bar C, and through the center of the central cross-bar of the frame A, where it is secured in place by a nut screwed upon its lower end. F are rods placed above the inner edges of the side bars of the base-frame A, and the ends of which are secured to the braces D, in such positions that the said rods F may be six inches, more or less, above the side bars of the frame A. The middle parts of the rods F pass through, and are supported by, short standards G, attached to the centers of the side bars of the frame A. The upper ends of the standards G are connected by a cross-bar, H, through the center of which the hoisting-rod E passes. I is the box, and J is the handle, of a hod. The upper end of the handle J is forked, and is attached to the sides of the box I. To the side of the handle J, at a suitable distance from its lower end, is attached a hook, K, to hook upon the rod F and support the hod. The side of the box I rests against the top bar C, where it is kept in place by cross-pieces L, attached to the top bar C in such positions as to be at the ends of the said box I. The box I may be kept in position by notches *c'*, formed in the sides of the top bar C, to receive the part of the handle J attached to the side of the box I.

With this construction the workman, when bringing the hods to the elevator, stoops slightly, and brings the handle J into such a position that the hook K may catch upon the rod F. He then removes his shoulder from beneath the box I, and allows the hod to incline inward until it rests against the top bar C. When removing the hod from the elevator the workman swings it forward into a vertical position, places his shoulder beneath the box I, and carries the hod away.

The hook K should be attached to the left hand or right hand side of the handle J, according as the hods are to be carried upon the left or the right shoulder.

If desired, the hook K may be swiveled to the handle J, so that when the hod is supported in a vertical position by the hook K, it may be turned so as to be carried upon the right or the left shoulder, as may be desired.

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

1. The rods F, attached to the frame-work of the elevator in such positions as to be over the inner part of the side bars of the base of said elevator-frame, to receive the

hooks K, attached to the handles J of the hods I J, substantially as herein shown and described.

2. The hooks K, attached to the handles J of the hods I J, and, whether stationary or swiveled, to adapt the hods to be hung upon and supported by the rods F, attached to the frame-work of the elevator, substantially as herein shown and described.

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