

W. SMITH.
HOD ELEVATOR.

No. 181,488.

Patented Aug. 22, 1876.

Fig. 1.

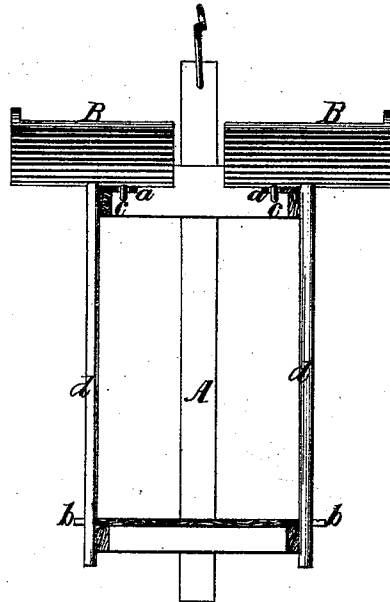
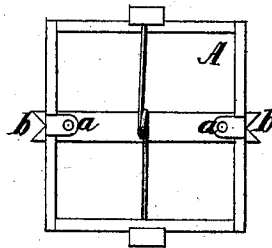


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

WALTON SMITH, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN HOD-ELEVATORS.

Specification forming part of Letters Patent No. **181,488**, dated August 22, 1876; application filed August 3, 1876.

To all whom it may concern:

Be it known that I, WALTON SMITH, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Hod-Elevator, which invention is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a sectional side view of the hod-retaining frame, showing two hods supported by said frame. Fig. 2 is a plan or top view of the frame when the hods have been taken off.

Similar letters indicate corresponding parts.

This invention consists in the combination of an eye and a recess, with the frame or platform of an elevator, said eye being intended to receive a steady-pin secured in the bottom edge of a hod, while the recess forms a bearing for the handle of the hod, so that when the hod is placed on the platform it is securely retained in position, while it can be easily put on or removed from said platform.

In the drawing, the letter A designates a frame or platform, which is intended to be raised or lowered by any suitable mechanism. This frame is provided with one or more eyes, *a*, which are arranged in its upper part, and with a corresponding number of V-shaped recesses, *b*, which are arranged in its bottom part below the eyes. The hods B are provided each with a steady-pin *c*, which is firmly secured to its bottom edge, as shown in Fig. 1, on one side of the handle *d*, so that the same does not interfere with the ordinary method of carrying the hod on the shoulder.

When the hod is charged with brick, mortar, or other material to be elevated or lowered, it is placed in the frame A, so that its

steady-pin catches in one of the eyes *a*, while its handle bears in the corresponding recess *b*, being retained therein by the weight of the material in the hod.

By these means the operation of raising or lowering a hod can be accomplished with absolute safety, each hod being securely retained in an upright position, and when the elevator-frame has reached its terminus, the hods can be readily removed and replaced by others.

It is obvious that the frame A can be provided with several eyes and recesses on each of its opposite sides, so that a number of hods can be elevated or lowered simultaneously.

In the example shown in the drawing the eyes *a* are formed in pieces of sheet metal, which are attached to the frame A, and the recesses *b* are formed in the ends of strips of wood, which extend across the lower portion of said frame, being secured thereto by nails or other suitable means; but said eyes and recesses may be made in any other manner, which will answer my purpose.

The plates which contain the eyes *a* are set down into recesses, which assist in keeping the hods steady.

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

The combination, with the elevator-frame A and hod B, of an eye, *a*, recess *b*, and steady-pin *c*, all constructed and operating substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

WALTON SMITH. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.