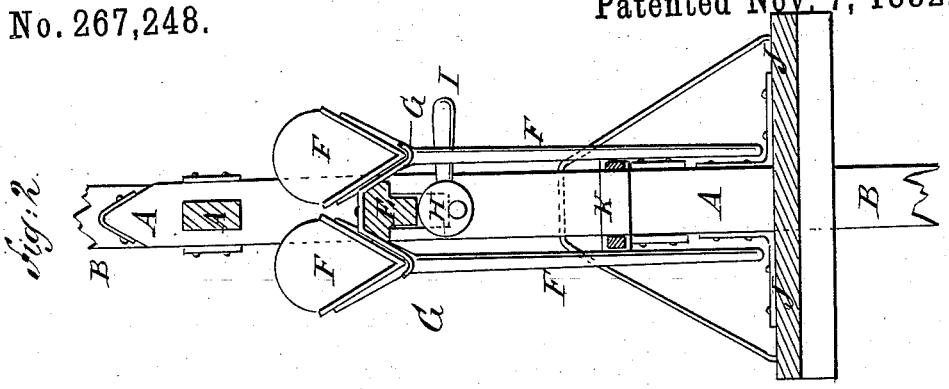
(No Model.)

F. PIERCE.

HOD ELEVATOR.

No. 267,248. Patented Nov. 7, 1882.

Fig. 2.



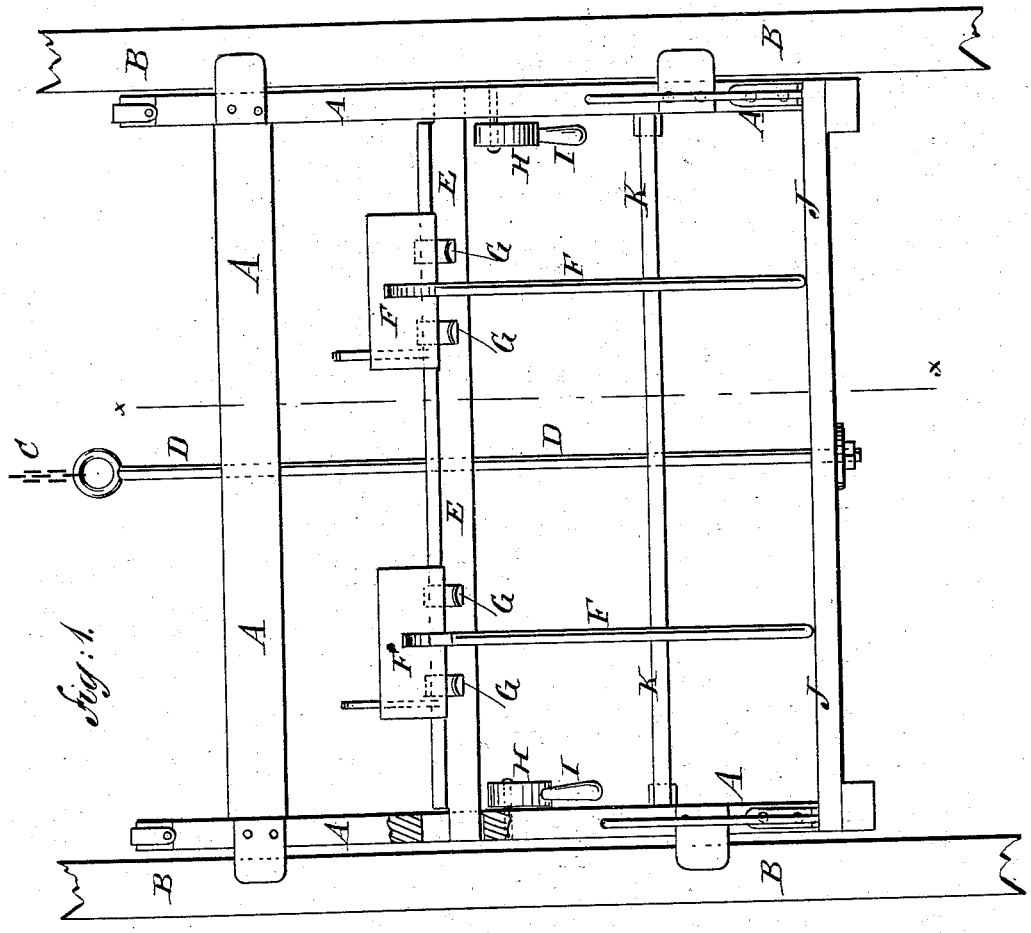


Fig. 1.

WITNESSES:

Chas. Nida.

S. Sedgwick.

INVENTOR:

F. Pierce.

BY Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANKLIN PIERCE, OF NEW YORK, ASSIGNOR TO HIMSELF, THOMAS DOBBINS, OF NEWBURG, AND MARTIN E. DEEGEN, OF NEW YORK, N. Y.

HOD-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 267,248, dated November 7, 1882.

Application filed October 3, 1882. (No model.)

To all whom it may concern:

Be it known that I, FRANKLIN PIERCE, of the city, county, and State of New York, have invented a new and useful Improvement in Hod-Elevators, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my improvement, part being broken away. Fig. 2 is a sectional end elevation of the same, taken through the line *x x*, Fig. 1.

The object of this invention is to facilitate the removal of loaded hods from hod-elevators.

The invention consists in a hod-elevator constructed with a frame having a vertically-moving cross-bar, provided with hod-receiving hooks and supported upon eccentrics, whereby the hods can be lowered to bring their handles into contact with the elevator-platform and free the hods from their supporting-hooks. To the lower part of the main frame is attached an auxiliary frame, to keep the hod-handles in nearly a vertical position while the hods are being elevated, as will be hereinafter fully described.

A represents the frame of the elevator, which slides up and down upon ways B, in the ordinary manner.

C is the hoisting chain or rope, which is attached to the eye of a rod, D, passing through the cross-bars of the frame A.

E is a cross-bar, the ends of which, or tenons formed upon the said ends, slide up and down in short slots in the side bars of the frame A.

To the upper part of the cross-bar E, which is beveled to the same angle as the side of a hod, F, are attached pairs of angle-irons or hooks G, upon which the hods are hung while being elevated. The cross-bar E rests upon two eccentrics, H, pivoted to the inner sides of the bars of the frame A, and which are provided with handles I for convenience in turning them. The cross-bar E and the eccentrics H are placed at such a height above the platform J of the elevator that when the said cross-bar is raised, by turning the longest diameter of the eccentrics H upward the ends of the hod-handles will be above the platform J, so that the hods will hang upon the hooks G while being raised. The handles of the hods are kept in or nearly in a vertical position while the said hods are hanging upon the hooks G by resting against a frame, K, attached to the lower parts of the side bars of the frame A. With this construction, when the loaded hods F are to be removed from the elevator the hod-carriers grasp the handles of the hods and turn the eccentrics H to bring their shortest diameters upward. This movement lowers the cross-bar E, bringing the ends of the hod-handles in contact with the platform J, lowering the hooks G away from the hods, and leaving the hods supported upon the ends of their handles, so that the hod-carriers can turn the hods and put their shoulders beneath the hods without its being necessary to raise the said hods until they are ready to carry them away.

This improvement makes the hod-elevator very convenient in use.

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

1. A hod-elevator constructed substantially as herein shown and described, and consisting of a frame having a vertically-moving cross-bar, provided with hod-receiving hooks and supported upon eccentrics, and a guard-frame attached to the main frame as a rest for the hod-handles, as set forth.

2. In a hod-elevator, the combination, with the frame A, of the vertically-moving cross-bar E, provided with hod-receiving hooks G and supported upon eccentrics H, substantially as herein shown and described, whereby the hods can be lowered to bring their handles into contact with the elevator-platform and free the hods from their supporting-hooks, as set forth.

3. In a hod-elevator, the combination, with the main frame A, of the auxiliary frame K, substantially as herein shown and described, whereby the hod-handles are kept in nearly vertical positions while the hods are being elevated, as set forth.

FRANKLIN PIERCE.

Witnesses:
JAMES T. GRAHAM,
C. SEDGWICK.