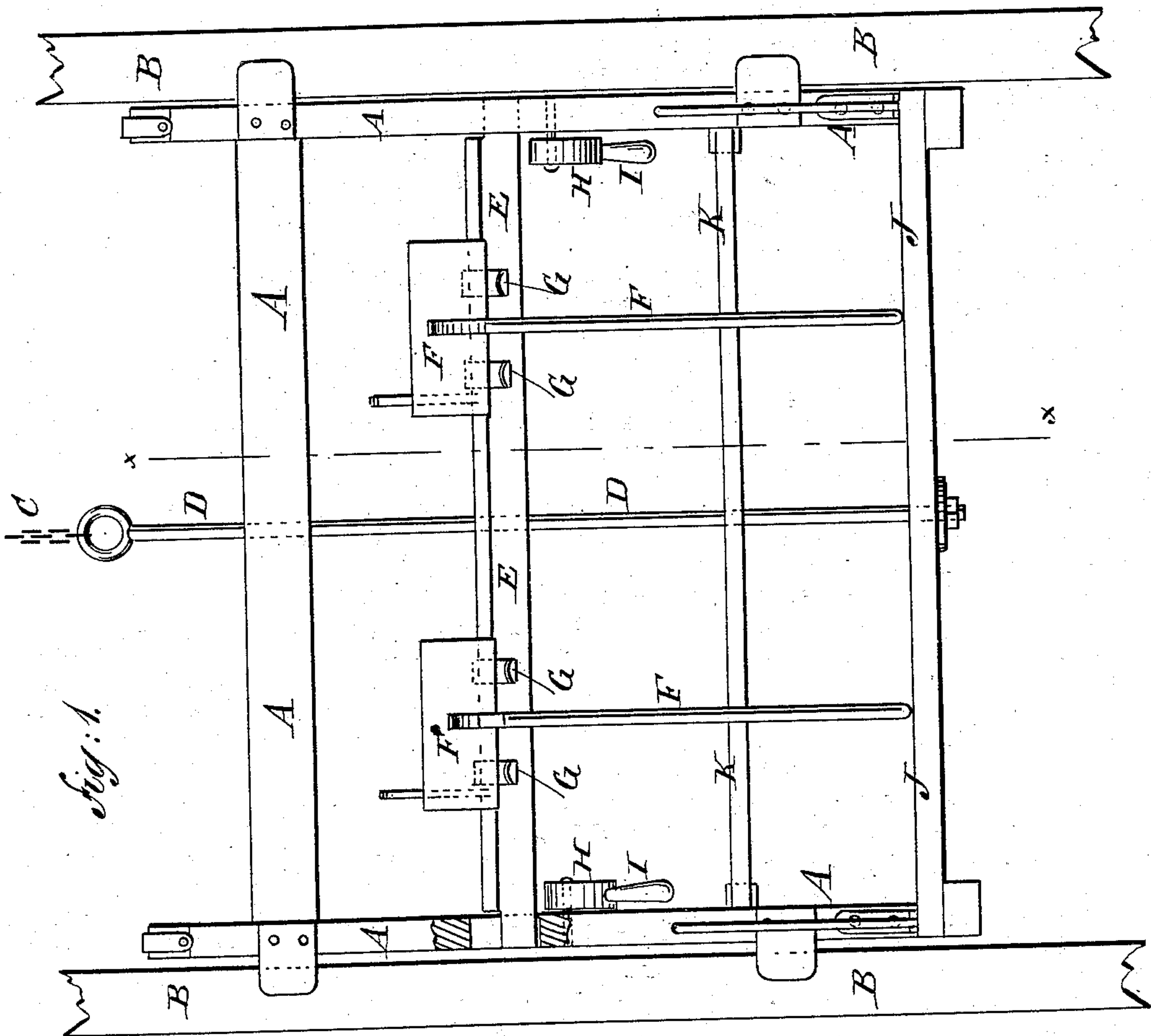
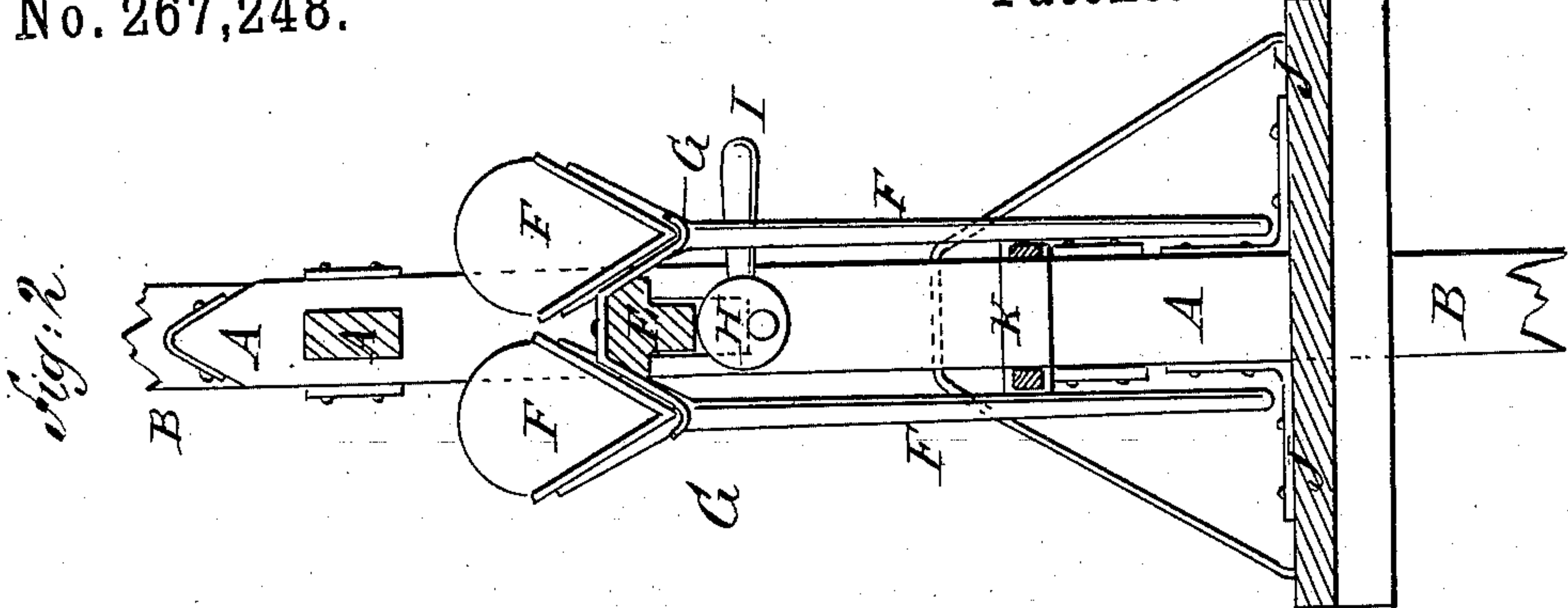


(No Model.)

F. PIERCE.  
HOD ELEVATOR.

No. 267,248.

Patented Nov. 7, 1882.



WITNESSES:

*Chas. Nida.*  
*C. Sedgwick.*

INVENTOR:

*F. Pierce.*  
BY *Munn & Co.*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

FRANKLIN PIERCE, OF NEW YORK, ASSIGNOR TO HIMSELF, THOMAS DOB-  
BINS, 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  
5 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 cor-  
10 responding parts in all the figures.

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

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

The invention consists in a hod-elevator con-  
20 structed with a frame having a vertically-mov-  
ing cross-bar, provided with hod-receiving  
hooks and supported upon eccentrics, where-  
by the hods can be lowered to bring their han-  
dles into contact with the elevator-platform  
and free the hods from their supporting-hooks.  
25 To the lower part of the main frame is at-  
tached 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.

30 A represents the frame of the elevator, which  
slides up and down upon ways B, in the ordi-  
nary manner.

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

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

40 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  
45 two eccentrics, H, pivoted to the inner sides  
of the bars of the frame A, and which are pro-  
vided with handles I for convenience in turn-  
ing them. The cross-bar E and the eccentrics  
H are placed at such a height above the plat-  
50 form J of the elevator that when the said  
cross-bar is raised, by turning the longest di-  
ameter 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 55  
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 60  
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 short-  
est diameters upward. This movement lowers  
the cross-bar E, bringing the ends of the hod- 65  
handles in contact with the platform J, lower-  
ing the hooks G away from the hods, and leav-  
ing 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 70  
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 75  
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- 80  
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 85  
the frame A, of the vertically-moving cross-  
bar E, provided with hod-receiving hooks G  
and supported upon eccentrics H, substan-  
tially as herein shown and described, whereby  
the hods can be lowered to bring their handles 90  
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, 95  
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.