

F. BARNETT.

MORTAR AND BRICK-ELEVATOR.

No. 172,950.

Patented Feb. 1, 1876.

Fig. 1

Fig. 2

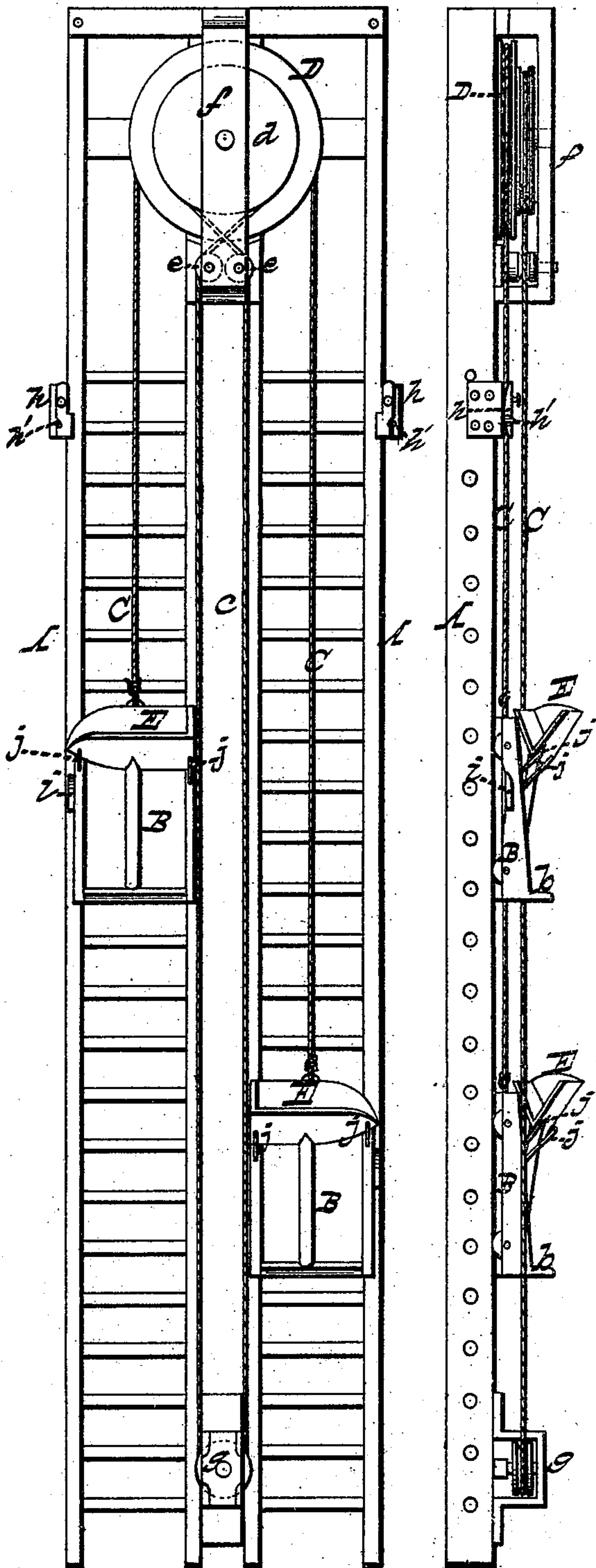


Fig. 3

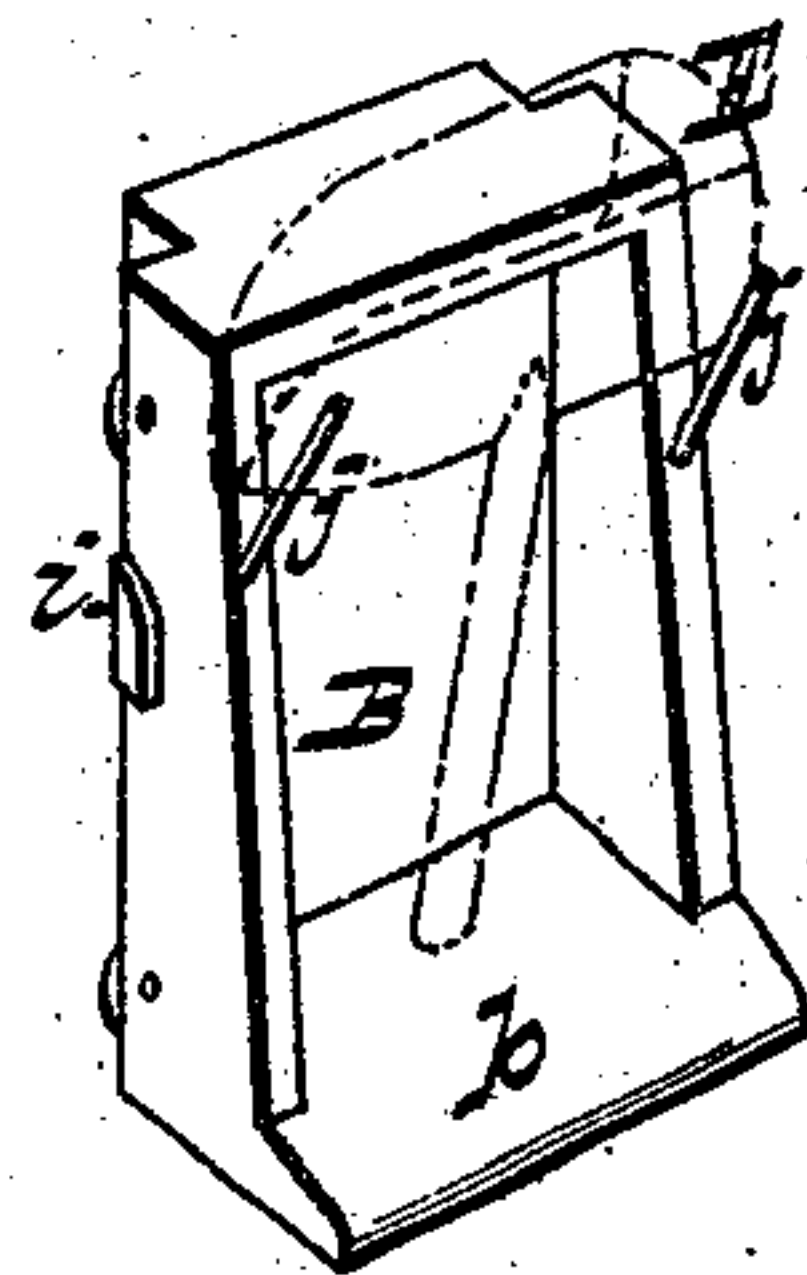
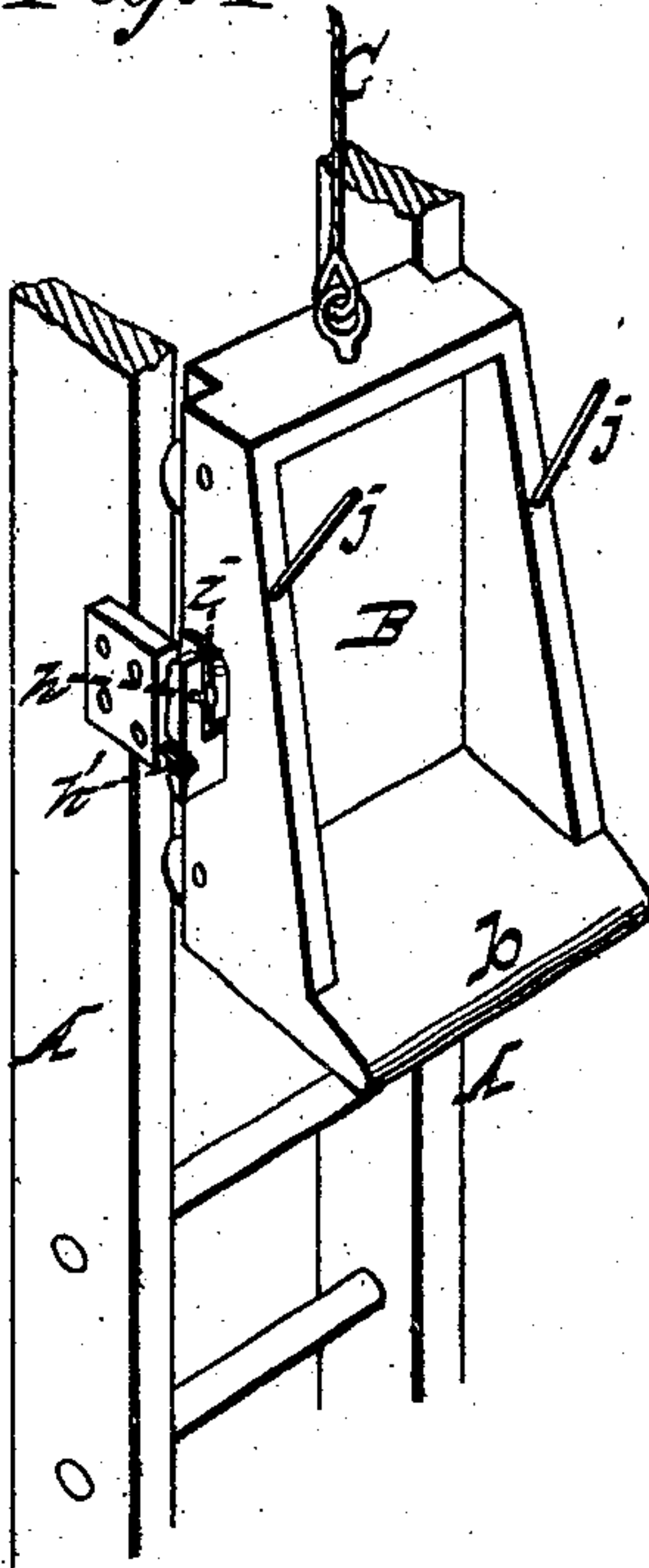


Fig. 4



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UNITED STATES PATENT OFFICE.

FIELDING BARNETT, OF JACKSONVILLE, ILLINOIS.

IMPROVEMENT IN MORTAR AND BRICK ELEVATORS.

Specification forming part of Letters Patent No. **172,950**, dated February 1, 1876; application filed January 3, 1876.

To all whom it may concern:

Be it known that I, FIELDING BARNETT, of Jacksonville, in the county of Morgan and State of Illinois, have invented certain new and useful Improvements in Mortar and Brick Elevators; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 is a plan view, and Fig. 2 a side elevation, of my improved elevator. Fig. 3 is a perspective view of one of the carriers; and Fig. 4 is a similar view of a section of the track or ladder, with notched levers or dogs, which engage with projections upon the carriers, to retain the latter in an elevated position.

Corresponding parts in the several figures are denoted by like letters.

This invention relates to a certain improvement in that class of elevators especially adapted to elevating mortar and bricks used for building purposes; and it consists of a double track, traveled by cars operating conjointly and retained alternately in an elevated position, all substantially as hereinafter more fully described and claimed.

In the annexed drawing, A A refer to a double track or ladder, traveled by cars B B, united together by a rope, chain, or other medium, C, passing around a pulley, D, secured in any known way to the upper end of the track or ladder. A rope, *c*, passes around a circumferentially-grooved disk, *d*, of the pulley D, after which it is crossed and passed over frictional rollers *ee* in the pulley-frame *f*, and down to and around a pulley, *g*, near the foot of the ladder or track. The object of this rope is to enable the laborer or man descending in the emptied car to control the speed of his descent.

The weight of the descending car and its occupant will elevate the loaded car to the de-

sired point, where it will be retained by catches *h h* upon the track or ladder and projections *i i* upon the cars, with which the said catches engage.

To free the catches *h h* from the projections *i i*, to allow the car or cars to descend, bear upon their chamfered or pivoted ends, when their free or opposite ends will be liberated.

Stops *h' h'* are provided to keep the projections *i i* in the notches of catches *h h*.

Projections *j j* extend from the upper portion of the cars B B, to receive and hold the hods E E, which carry the mortar, &c. The cars are supplied with frictional rollers.

The catches *h h* may be adjusted to any point upon the ladder or track at which it is desired to unload the cars, as may also the pulley D with its frame *f*.

To prevent the slipping of the elevating or hoisting rope C upon the pulley D, its periphery may be supplied with V-shaped bars.

The cars B B are extended, as shown at *b b*, to provide platforms for the man or laborer to stand upon descending with the car.

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

1. The double track or ladder A A, having the elevating or hoisting mechanism C D and catches *h h*, in combination with the cars B B, having the projections *i i*, substantially as and for the purpose set forth.

2. The track or ladder A A, having the catches *h h* and stops *h' h'*, in combination with the cars B B, having the projections *i i*, substantially as and for the purpose set forth.

3. The cars B B, having the extensions or platforms *b b* and hod-supporting projections *j j*, substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

FIELDING BARNETT.

Witnesses:

DEWITT C. FRY,
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