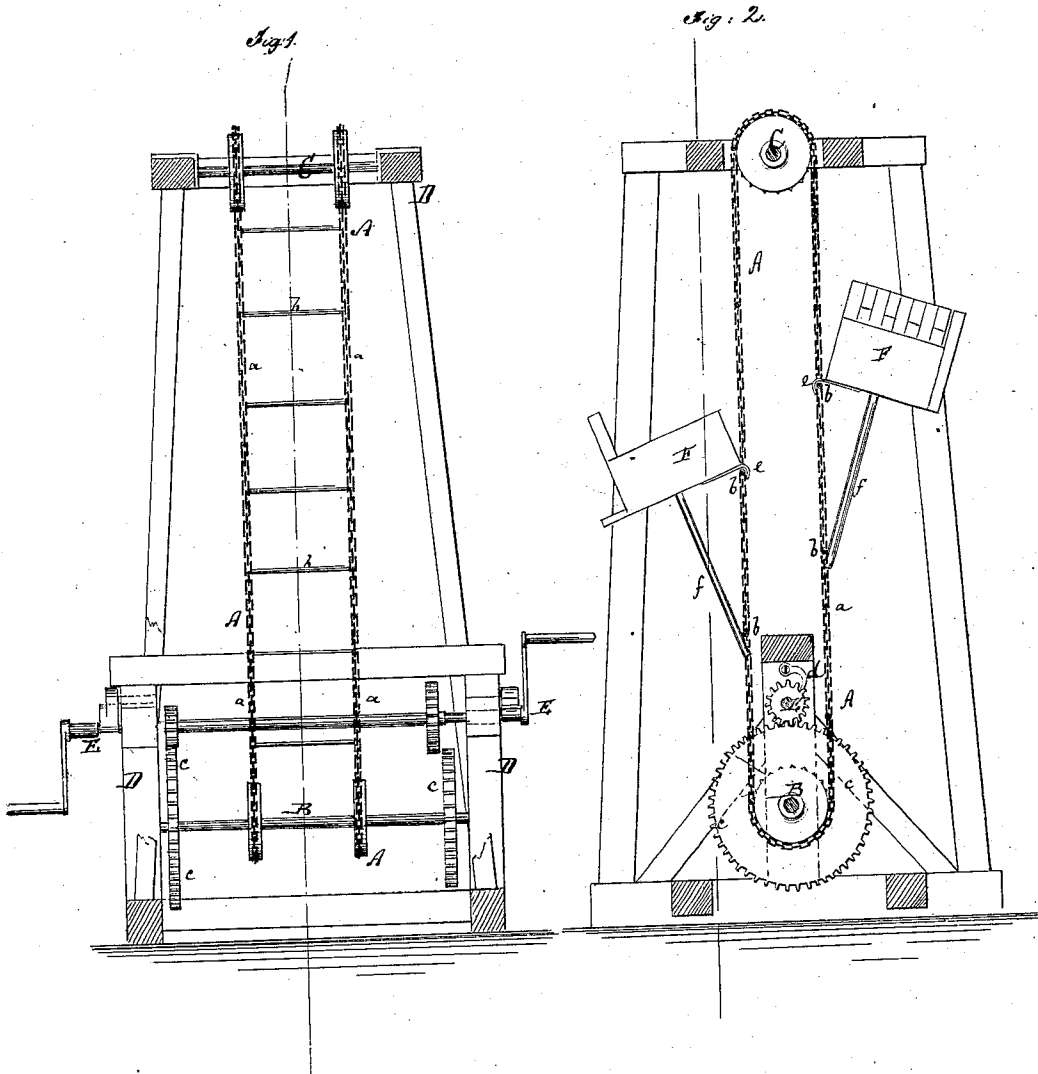


No. 105,246.

PATENTED JULY 12, 1870.

J. POWERS.
HOD ELEVATOR.



Witnesses:

Chas. Nicola
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UNITED STATES PATENT OFFICE.

JESSE POWERS, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN HOD-ELEVATORS.

Specification forming part of Letters Patent No. 105,246, dated July 12, 1870.

To all whom it may concern:

Be it known that I, JESSE POWERS, of Chicago, in the county of Cook and State of Illinois, have invented a new and Improved Hod-Elevator; 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 make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 represents a side elevation of my improved hod-elevator. Fig. 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to hod-elevators; and consists in an improvement thereon; to be specified hereinafter, whereby the hod is rendered detachable, works in a perpendicular line, and thus avoids any dumping of the brick at either end of the elevator.

The invention consists chiefly in the arrangement of an endless ladder, A, which is fitted around the shafts B and C, of which one is hung in a frame, D, that stands upon the ground, while the other is hung either in the upper part of the same frame D, or in a separate frame, which is placed into the upper part of the building. The endless ladder consists of two chains or belts, *aa*, which are connected by rounds *bb*, at suitable distances apart. The shaft B is, by suitable gear-wheels *cc*, or otherwise, connected with a shaft, E, to which, by muscular or other power, rotary

motion is imparted. A pawl, *d*, catching into one of the gear-wheels, prevents the turning of the shafts in the wrong direction. Each of the hods F to be elevated has a hook, *e*, secured to one end, whereby it can be suspended from a round of the ladder. The shank *f* of each hod, by resting against a lower round, holds the hod in the proper position, while the same is suspended from the ladder. The full hods are carried to the ladder, and hooked onto the same. The motion imparted to the shaft B causes the ladder to revolve also, and to elevate the hod. At the proper height each hod is taken off, and carried to the proper place. The empty hods can be hung to the descending side of the ladder to be lowered by the same. The hods will thus be elevated by machinery, but need not be emptied until they arrive at the place of their destination.

The gearing may be so arranged, by suitable mechanism of well-known construction, that the power may be varied in conformity with the load to be elevated.

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

The endless traveling ladder *ab*, combined with a detachable hod, F, having hook *e* and shank *f* attached thereto, as and for the purpose specified.

JESSE POWERS.

Witnesses:

E. SPENCER,

J. C. GALLAGHER.