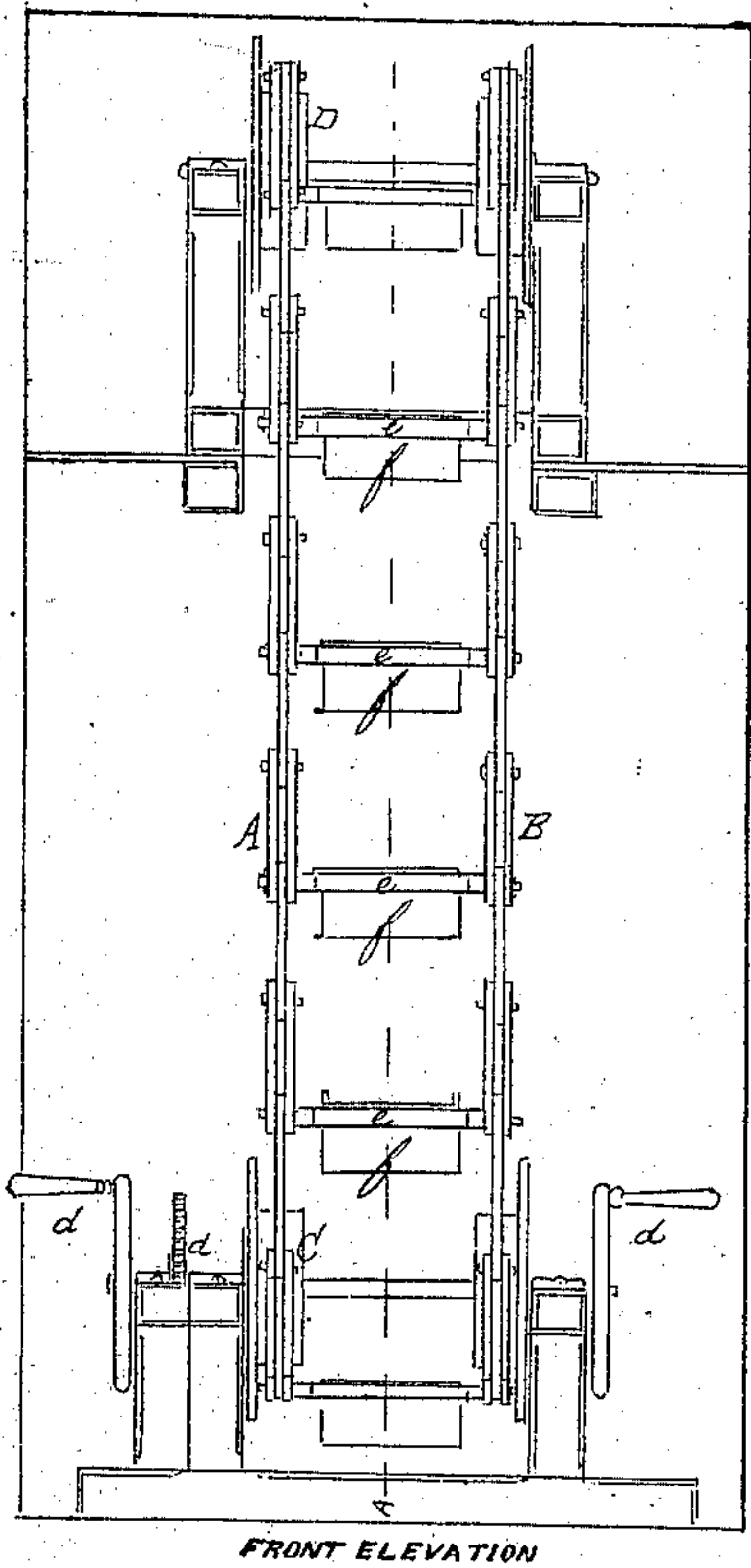


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ANTHONY POHL'S
BRICK & MORTAR ELEVATOR

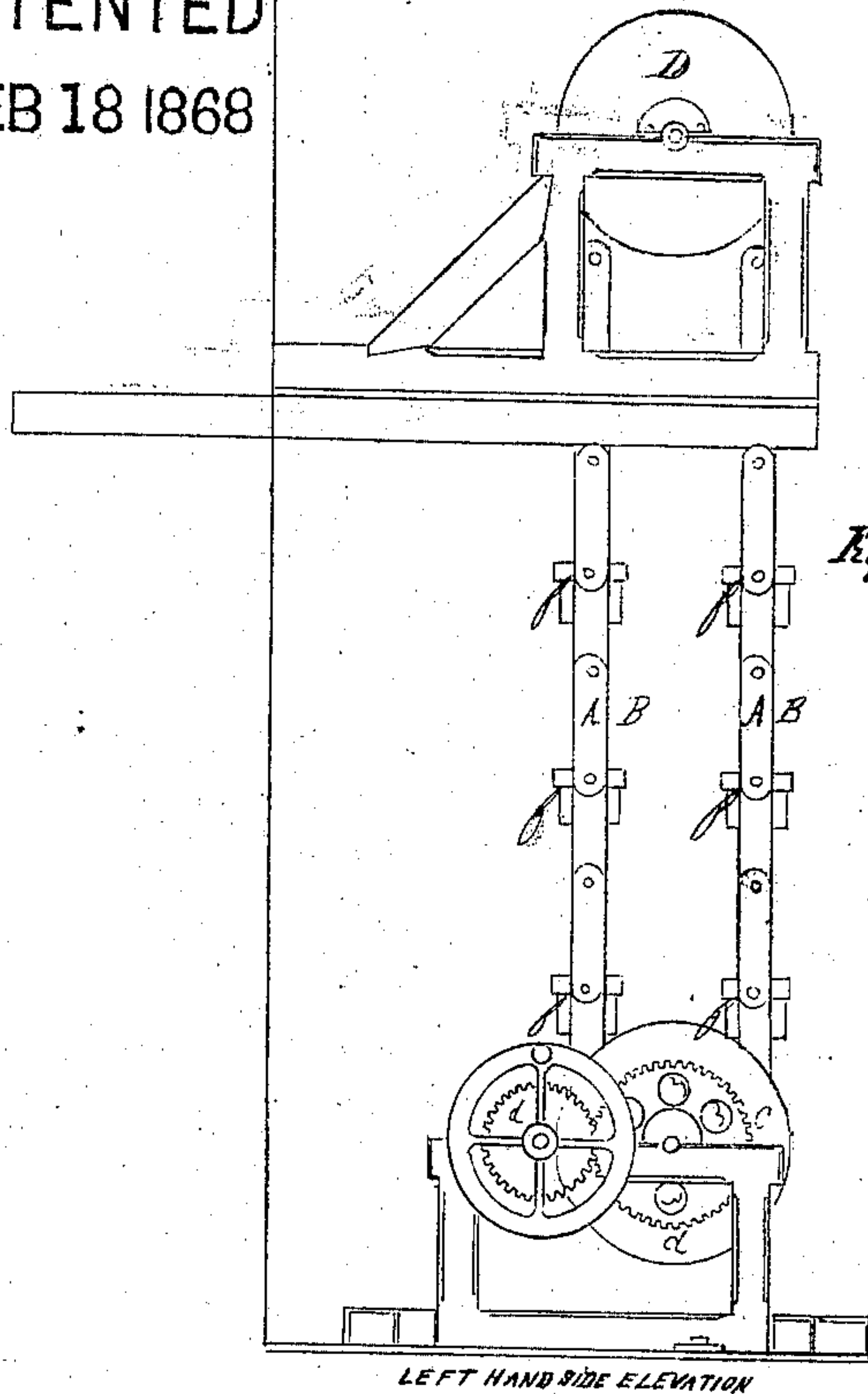
PATENTED
FEB 18 1868

Fig. 1.



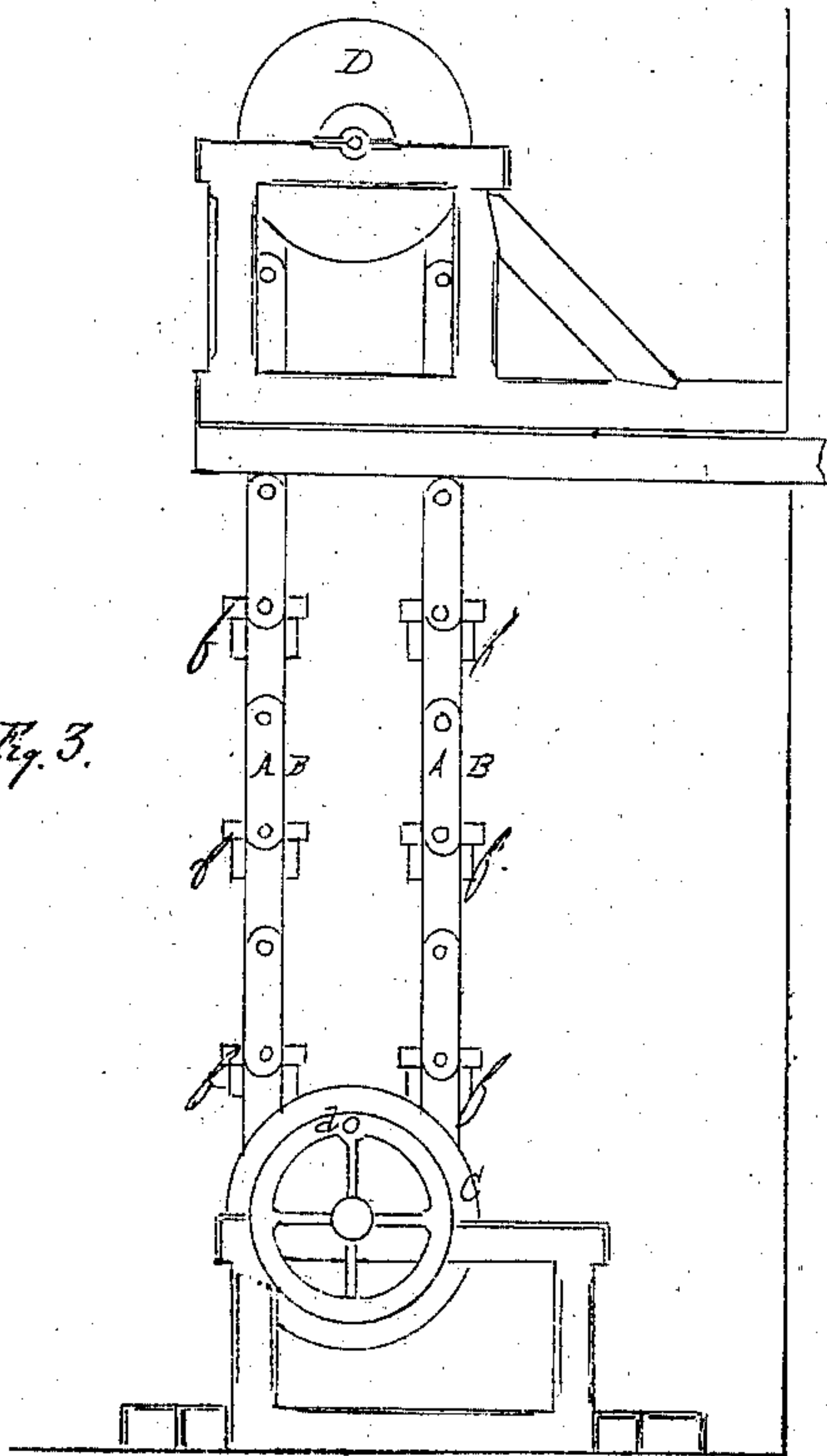
FRONT ELEVATION

Fig. 2.



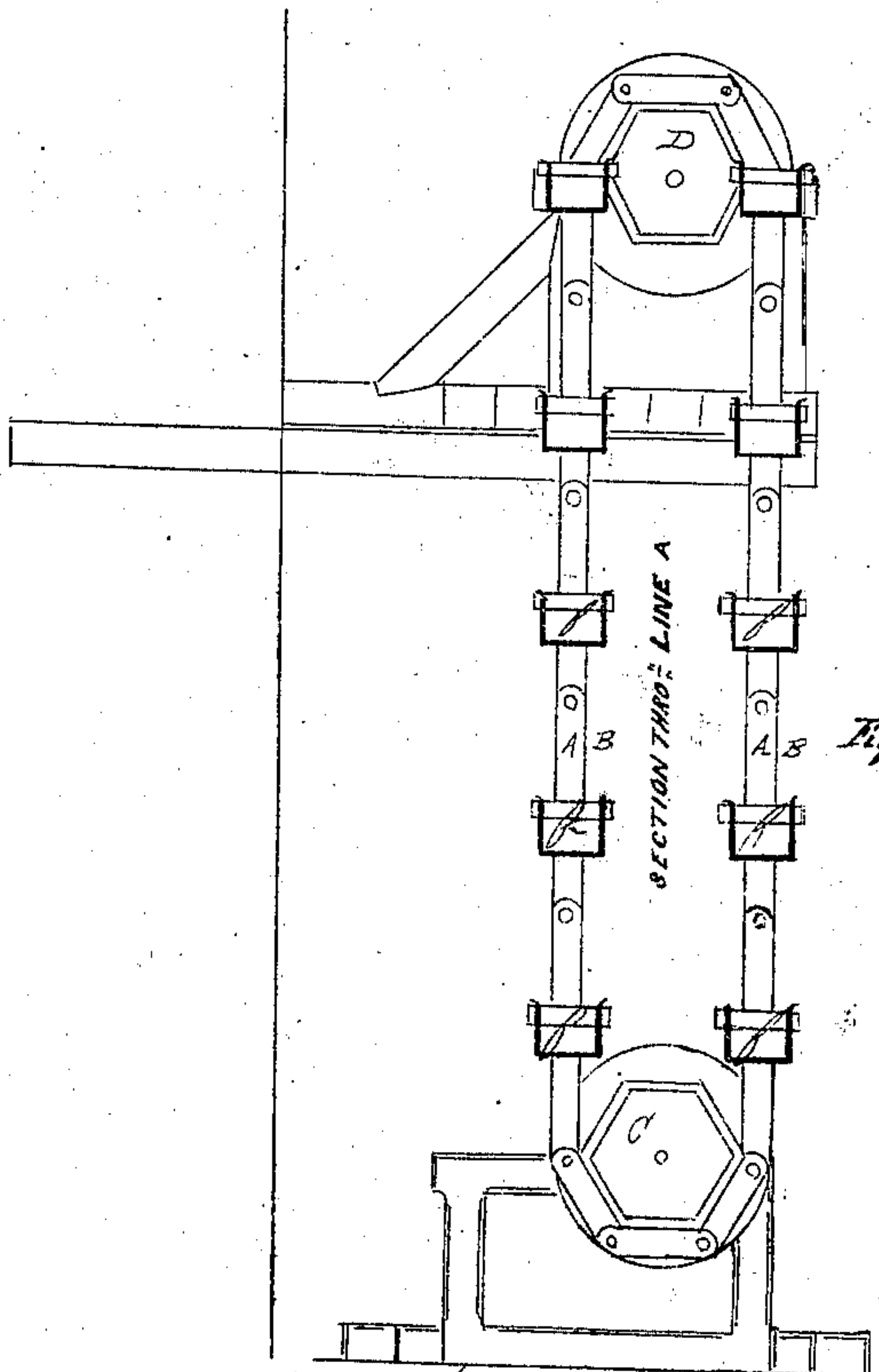
LEFT HAND SIDE ELEVATION

Fig. 3.



RIGHT HAND SIDE ELEVATION

Anthony Pohl



SECTION THRO' LINE A

Fig. 4.

Witness

Jas. H. Bonney,
E. H. Hensley

United States Patent Office.

ANTHONY POHL, OF DETROIT, MICHIGAN.

Letters Patent No. 74,590, dated February 18, 1868.

IMPROVEMENT IN BRICK AND MORTAR-ELEVATOR.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ANTHONY POHL, of Detroit, Wayne county, Michigan, have invented a new and useful Brick and Mortar-Elevator; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings making a part of this specification, (in which Figure 1 is a front elevation, Figure 2 a left-hand side elevation, Figure 3 a right-hand side elevation, and Figure 4 a vertical sectional view,) and to the letters of reference as marked thereon.

The elevator consists essentially as follows: First, of two endless chains, A B, (see figures,) of single and double links alternately, which may be lengthened or shortened by adding other links, or taking some out, according to the height at which the elevator is required to act; second, these chains receive motion from a drum, C, having faces of the length of the links, so as to engage with them, which drum is attached to and supported by a frame, resting on the ground, and moved by the aid of suitable cranks and wheel-work attached to the frame, shown at *d d*, &c.; third, the chains are supported above by a similar pulley-drum, D, which last is attached to or rests on the scaffolding of the building, or the building itself, at any convenient point for the workmen engaged; fourth, at convenient distances on the aforesaid double chain are holes, which support cross-bars, *e e e*, &c., between them, in which holes the bars revolve easily. These cross-bars are shaped between said chains into open frames, in which the movable boxes or receptacles *f f f*, &c., rest on shoulders formed on said boxes.

The operation of the elevator is as follows: The boxes or receptacles, having been filled with building-material at the frame below, the endless chains carrying them are caused to ascend by power applied to the cranks or wheel-work, and remain upright and perpendicular by reason of the weight of the materials held by them. After passing over the upper or pulley-drum D, they may be taken out by a person or persons on the building or scaffold to which the pulley-drum is attached, and, being replaced in the frames of the cross-bars, descend to be refilled as required. Provision is made to prevent the reverse motion of the lower pulley or drum by attaching to one of its sides a ratchet-wheel and detent. It will be seen that open frames of the cross-bar *e* support removable boxes or receptacles *f*, which rest on shoulders, as before described.

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

The endless chain or belt, carrying pivoted open frames, supporting the removable shouldered boxes *f*, for the purpose substantially as described,

ANTHONY POHL.

Witnesses:

JAS. W. ROMEYN,
E. HAMBERGER.