

J. Z. BENEDICT.

ELEVATOR WAY.

APPLICATION FILED FEB. 14, 1911.

1,034,061.

Patented July 30, 1912.

2 SHEETS—SHEET 1.

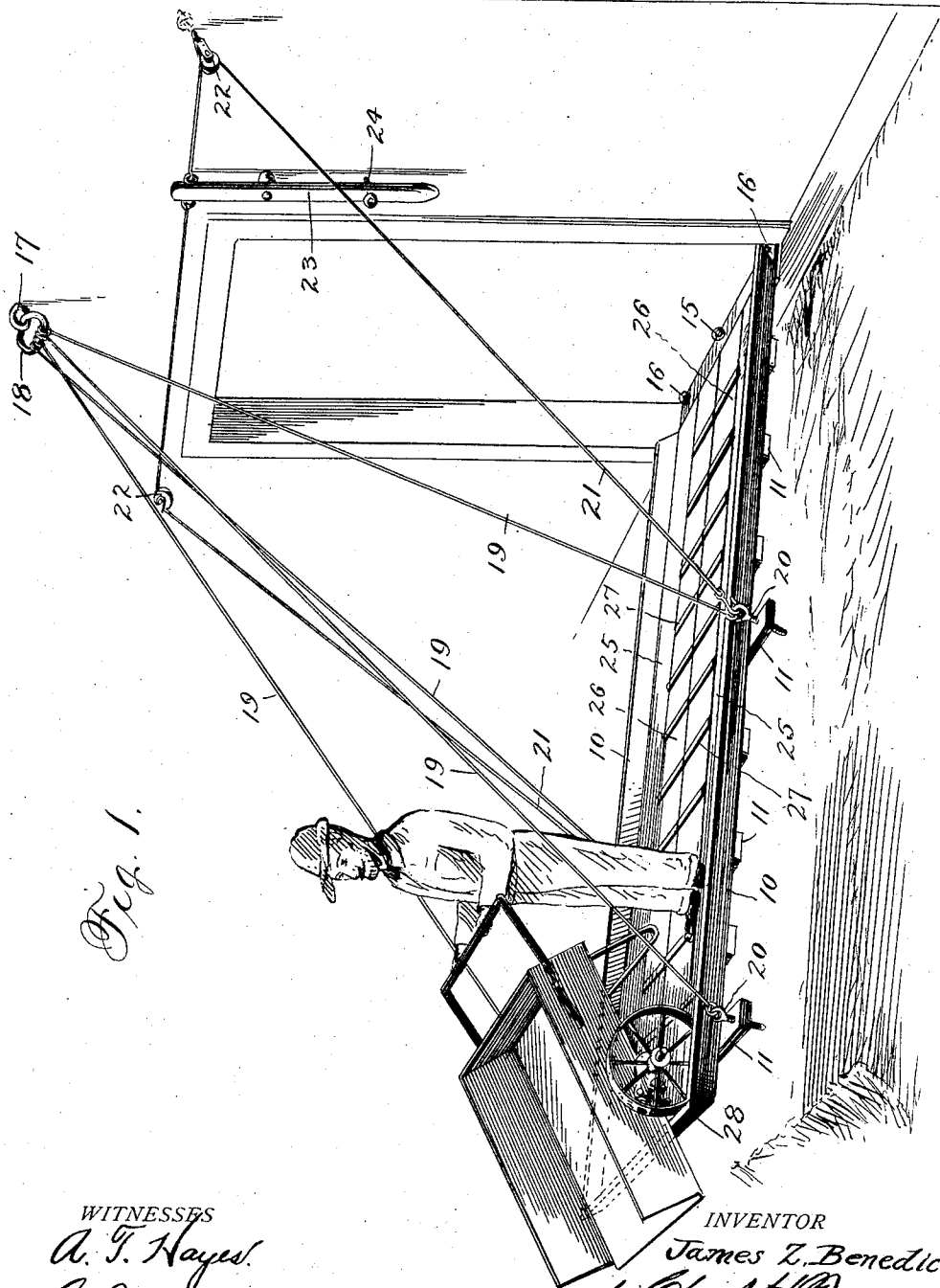


Fig. 1.

WITNESSES

A. T. Hayes.

C. J. Williamson

INVENTOR

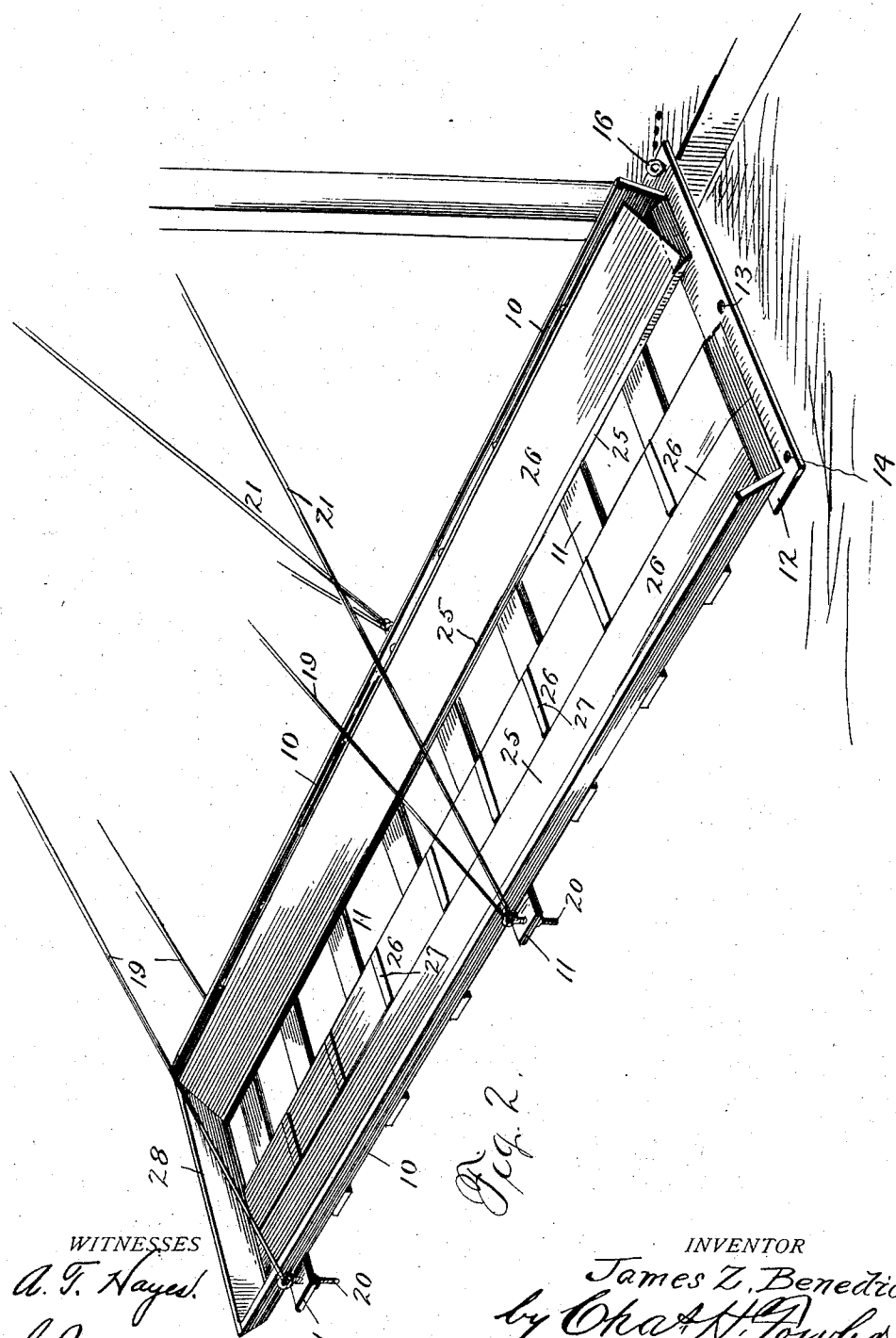
James Z. Benedict,

by *Chas. W. Fowler,*
Attorney

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A. F. Hayes.
C. Williamson

INVENTOR
James Z. Benedict,
by Chas. H. Fowler
Attorney

UNITED STATES PATENT OFFICE.

JAMES ZERA BENEDICT, OF FARLEY, IOWA.

ELEVATOR-WAY.

1,034,061.

Specification of Letters Patent.

Patented July 30, 1912.

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To all whom it may concern:

Be it known that I, JAMES Z. BENEDICT, a citizen of the United States, residing at Farley, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Elevator-Ways, and 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, and to the letters and figures of reference marked thereon.

My invention has for its object the provision of a platform adapted to form an elevated way leading from a door or other point that will be of simple construction, and can be easily manipulated so as to change its position, so that a wheeled vehicle, moved by man or horse can traverse the platform for the purpose of dumping or discharging material, such as barn or stable litter, etc.

Referring to the accompanying drawings Figure 1 is a perspective view of an elevator way, or platform, embodying my invention arranged for use; and Fig. 2 is a like view shown as when not in use.

In embodying my invention, I employ an oblong frame composed of two parallel beams 10, and cross bars 11 connecting said beams 10 at intervals. At one end there is a cross metal plate or shoe 12 that is adapted to fit upon the door sill for the attachment of the platform thereto, for which purpose said shoe has a centrally located hole 13 and a hole 14 near each end. Through the central hole 13 a pivot bolt or pin 15 passes into the door sill, so that when desired the frame may be swung laterally in either direction so as to change the position of the free, outer end to vary the point of discharge or delivery of material therefrom. Locking pins 16 are inserted in either or both holes 14 and into alining holes provided in the door sill, and thus the platform is rigidly sustained against lateral, or sidewise swing. Directly above the doorway an eye bolt 17 is placed having a link or clevis 18 from which suspending cables or wires 19 run to adjustable eye bolts 20 in projecting ends of cross bars 11 at the outer end and about midlength of the frame. From each midlength eye bolt 20 a cable 21 runs upward and outward to the building side whereat is a pulley 22 over which the cable runs, and thence both cables pass to a

hand lever 23 pivoted to the building, by the swinging of which the platform may be easily swung laterally on its pivot pin 15 to place it in any desired position. A locking pin 24 passes through the lever to prevent accidental swinging.

The floor of the platform or the runway consists of two smooth boards or planks 25 placed one at each side of the platform for the vehicle wheels to roll over, and two middle boards 26 lying between the other two, each of which has numerous transverse cleats 27 on one side to form foot holds for man or horse, and each being movable so that it can be turned over upon the adjacent wheel board to protect it from rain or snow and also have its own cleated surface protected also, when the way is not in use. The ends of the boards resting on the shoe, are beveled, as shown. The outer ends of the side beams 10 are joined by a rail 28 that projects above the floor forming boards so as to constitute a bumper or stop for the vehicle wheels to strike and bear against when the vehicle is being dumped.

It will be seen that my elevator way although very simple of construction, has great capability or range of adjustment or movement both vertically and horizontally, so that the load to be discharged therefrom can be delivered at any desired point, either to form a pile; or into a wagon or vehicle such as a manure spreader, as when barn or stable litter is to be disposed of. When used in a doorway, it can be swung completely out of the way against the side of the building, so that the full door may be unobstructed and so that a sliding or swinging door can be closed freely. I, of course, do not limit myself to the use of my invention to any one purpose, nor do I restrict myself to the particular details of construction shown in the drawings.

Having thus described my invention what I claim is—

1. The combination of a door sill, a frame or support, a run-way carried thereby, a shoe in the form of a plate extending from the door sill to the contiguous end of the run-way supporting frame and beneath the latter, means for pivoting said shoe to the door sill, and means to swing the frame laterally on the pivotal connection with the door sill.

2. The combination of a building structure, a frame, a run-way supported by the

frame, frame suspending devices extending from a point above a door opening in the building structure to opposite sides of said frame toward the outer end thereof, a plate
5 pivotally connecting the inner end of said frame and the door sill, a cable extending from the building structure at two separated points to said frame, and an operating handle connected with said cable between
10 said separated points and adapted when moved to move the cable to swing said run-way supporting frame.

3. The combination of a frame, a run-way supported thereby, frame-suspending de-

vices extending from opposite sides and converging, a support where they converge to which they are attached, a cable attached to opposite sides of the frame, and running over separate supports, as pulleys mounted above and at opposite sides of said frame, and an operating handle attached to said cable between its said supports. 15 20

In testimony whereof I affix my signature in presence of two witnesses.

JAMES ZERA BENEDICT.

Witnesses:

FRANK CLARK,
V. L. RANSOM.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."