

(No Model.)

J. DICK.
PORTABLE ELEVATOR.

No. 382,077.

Patented May 1, 1888.

FIG. 1.

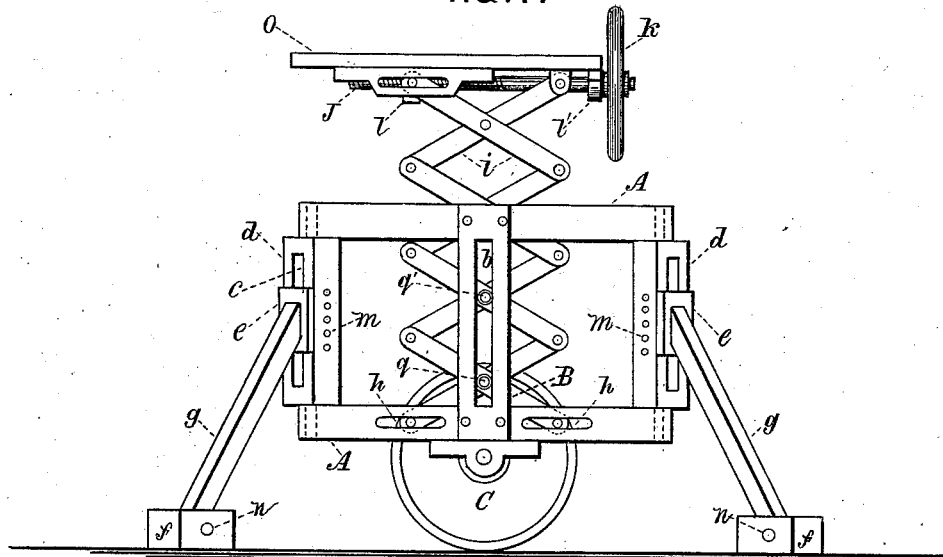
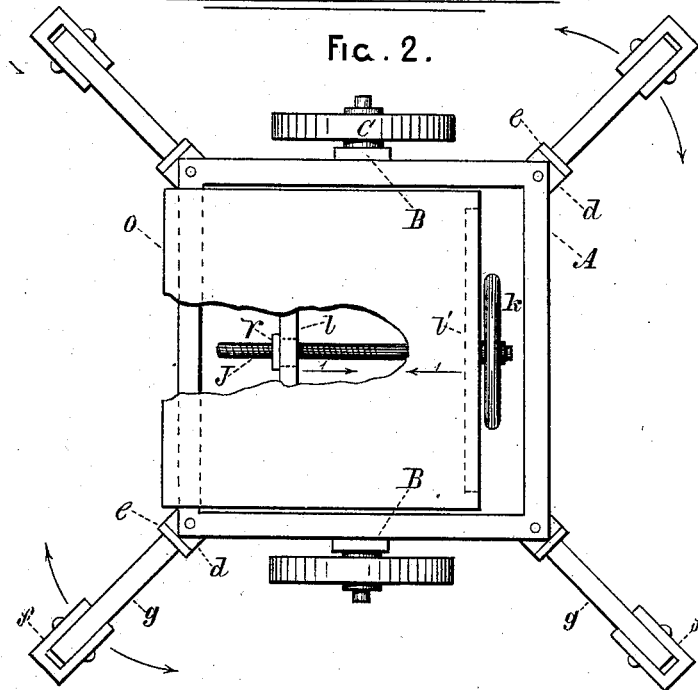


FIG. 2.



Witnesses.

For Lewis.
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Inventor

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UNITED STATES PATENT OFFICE.

JACOB DICK, OF JERSEYVILLE, ILLINOIS.

PORTABLE ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 382,077, dated May 1, 1888.

Application filed January 6, 1888. Serial No. 260,005. (No model.)

To all whom it may concern:

Be it known that I, JACOB DICK, of Jerseyville, in the county of Jersey and State of Illinois, have invented a new and Improved Portable Elevator; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improved portable elevator designed to be used instead of an ordinary ladder and scaffold, particularly for painting buildings and picking fruit, my object being to provide a platform sufficiently large for one or more persons to stand upon, with room for tools, material, and such other things as may be required, said platform being provided with mechanism for its elevation and descent.

My invention further consists in providing novel means for adapting the frame or base of the elevator to the unevenness of the ground, so as to give to the whole structure the requisite stability.

With these ends in view my invention consists in certain details of construction and combinations of parts, fully explained in the following specification, and illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the device having one of the wheels removed to exhibit more fully the frame. Fig. 2 is a plan view of the same.

In the drawings, A represents a frame of cubical form supported upon wheels C and having secured to each side thereof a vertical bar, B, provided with a longitudinal slot, b. Pivoted at each corner of the frame A, so as to vibrate freely upon a vertical axis, is a bar, d, having a slot, c, in which slides a block, e, from which projects obliquely downward a bar or shore, g, the lower end of which is pivoted in a shoe, f.

In the lower side bars of the frame A are horizontal slots h, in which slide freely the pins in the ends of lower bars of an ordinary lazy-tong movement, i, the two lower pins, q q', in the central part of each of the lower two pairs of bars being made sufficiently long to project laterally into the slots b in the bars B, in which they slide, and thus preserve the ver-

ticality of the lazy-tongs. Supported upon the top of said lazy-tong structure (see Fig. 2) is a platform, o, provided with a long horizontal screw, J, actuated by a hand-wheel, k, said screw having a nut, r, secured in the cross-bar of the lazy-tong movement, as shown in Fig. 2.

It will be observed that the bars d are apertured for the reception of pins m, which pass through the sliding blocks e, and thus secure the latter at any required altitude, while the shoes f vibrate freely about the pins n, and thus adapt themselves to the surface of the ground, giving to the whole structure the requisite stability to insure safety.

Supposing the elevator to have been brought upon its wheels into position for use, all the four blocks e are lowered until the shoes f rest upon the ground, in which position they are retained by the pins m, the bars d being turned about their axes to such a position as the surface of the ground and the stability of the elevator may require. The operator having taken his position upon the platform o, the hand-wheel k is turned, and with it the screw J, so as to draw the cross-bars l l' toward each other, as indicated by the arrows 1 1 in Fig. 2. This draws together the ends of the crossed side bars of the lazy-tong structure and elevates the platform to the required height. The descent of the platform is effected by simply turning the hand-wheel in the opposite direction.

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

In a portable elevator, the combination, with the base-frame thereof, of the pivoted bars d, having slots c and pins m, and the sliding blocks e, in which are secured bars g, having shoes f, pivotally secured to the lower ends thereof, all constructed and adapted to operate substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of October, 1887.

JACOB DICK.

Witnesses:

SILAS BATES,
JOHN F. CHAPMAN.