

UNITED STATES PATENT OFFICE.

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PAINTER'S ELEVATOR.

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To all whom it may concern:

Be it known that I, EWELL H. MURPHY, a citizen of the United States, residing at Italy, in the county of Ellis and State of Texas, have invented certain new and useful Improvements in Painters' Elevators, of which the following is a specification.

My invention relates to improvements in elevators, and more especially to painters' elevators, and has for its object to provide a device which is exceedingly simple and inexpensive in construction and easy to operate, designed for use in painting the exterior walls of houses or other structures, for the elevation of materials during the construction of buildings, and also for use as a fire-escape.

My invention consists in an elevator having a frame provided with a slidable platform and operating device for adjusting and holding said platform at different points on said frame, said operating device being within convenient reach of the operator, so that he may readily adjust the platform to the desired point without descending to the ground or requiring the assistance of other persons.

It also consists in the construction, combination, and arrangement of the several parts, as more fully hereinafter described and claimed.

My invention is illustrated in the accompanying drawing, which represents a perspective view of my improved painter's elevator.

Referring to the drawing, in which like numerals of reference denote like parts, 1 represents the frame of the elevator, which is made of a height to correspond substantially with the height it is designed to elevate the slidable platform, and comprises a base 2, upright side pieces 3 4, secured at their lower ends to said base 2, top cross-piece 5, secured to and connecting the tops of the side pieces, a series of diagonally-arranged cross-braces 6 between said side pieces for the purpose of strengthening and bracing the frame, braces 7 on the outside of the frame, one end of each secured to one of the side pieces and the opposite end of each to the base 2.

The frame of the elevator is leveled when the ground or other surface on which said frame rests is uneven by adjustable blocks 8, which comprise a base 9, and a vertical post

10, preferably square in cross-section and provided with a series of holes 11. The posts of said blocks are adapted to be inserted in holes 12 in the opposite outer ends of said base 2, and after being adjusted therein to the desired point are securely held by means of pins 13, which are inserted in holes 14 in the base and then through one of the series of holes 11 in the posts 10.

The frame of the elevator is kept in an upright position by means of a brace 15, one end of which is secured to a cross-rod pivoted at a point 17 in each of the side pieces 3 4, and the opposite end is pointed and inserted into the ground.

18 represents a pair of horizontally-disposed arms which are bolted or otherwise suitably attached to the side pieces of the frame near the top and extend rearwardly therefrom and are provided with pointed ends 19. A cross-rod 19* connects said arms together adjacent their pointed ends. The arms 18 are adapted to project against the side of the wall of a building and keep the frame of the elevator a sufficient distance from the said wall to allow the slidable platform hereinafter described to freely operate.

20 is a vertically-slidable platform mounted on a pair of brackets 21, each comprising a horizontal arm 22, provided with a loop 23*, which embraces one of the side pieces, and having a wheel 24 mounted thereon, a downwardly and outwardly extending arm 25, provided with a loop 23, embracing one of the side pieces and having a wheel 26 mounted therein, an arched cross-bar 27, connected at its opposite ends to the inner side of the arms 25 and at its center to the under surface of the platform 20, and vertical bars 28, which are connected at their opposite ends to the outside of the arms 25. An inverted-U-shaped bracket 29 is secured to the upper surface of the platform 20 near its outer edge and has a single-pulley wheel 30, mounted therein. A double-pulley block 31 is suspended from the top cross-piece 5 of the frame.

A rope clamp or retainer 32 is secured to the platform 20 at any convenient point, preferably just at one side of the bracket 29, and comprises a base portion 33, an upwardly-extending arm 34, which is provided with

notches 35 and 36, diagonally arranged on its opposite edges and the top turned over and formed into a hook 37.

One end of a rope or cable 38 is fastened to the bracket 29, then the other end run over one of the wheels of the double-pulley block 31, over the single-pulley wheel 30, then over the other wheel of the double-pulley block, and finally passed under the hook 37 of the rope-clamp through the slots 35 and 36, then back again into the hook and between the arm 34 and that portion of the rope previously inserted in the hook, and thus the end of the rope will be firmly clamped and the slidable platform held at any desired point or elevation.

In operating the elevator is placed in the desired position in relation to the wall of a house or other structure with the pointed ends of the arms 18 engaging the said walls and the brace 15 firmly secured in the ground. Then to operate the elevator it is only necessary to mount the platform and pull on the rope 38 until the platform has reached the desired elevation, and then insert the rope in the clamp 32, which will hold the platform securely.

Having thus described my invention, what I claim is—

1. An elevator provided with a frame having side pieces, brackets having upper and lower loops connected by a vertical bar, wheels mounted in said loops bearing on said side pieces, an arched cross-bar connecting said brackets, a platform mounted on said brack-

ets and cross-bar, and means for adjusting and holding said platform at different elevations on said frame, substantially as described.

2. An elevator provided with a frame having pulley-wheels, a slidable platform having a bracket provided with a pulley-wheel, a rope, one end attached to said bracket and running over the pulley-wheels, and a clamp for holding the other end of said rope mounted on said platform comprising an upright arm having notches on its opposite edges and a hook at the top, substantially as described.

3. An elevator provided with a frame, having a double wheel-pulley, a slidable platform having a bracket provided with a pulley-wheel, a rope, one end attached to the bracket and running over the pulley-wheels, and a clamp for holding the other end of said rope mounted on said platform and comprising a base, an arm extending upwardly therefrom having notches arranged diagonally of each other on its opposite edges and a hook at the top, substantially as described.

4. An elevator provided with a slidable platform adapted to be elevated by means of a rope or cable, and a clamp on said platform for holding the end of the rope comprising an upwardly-extending arm having notches in its opposite edges and its top provided with a hook, substantially as described.

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Witnesses:

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