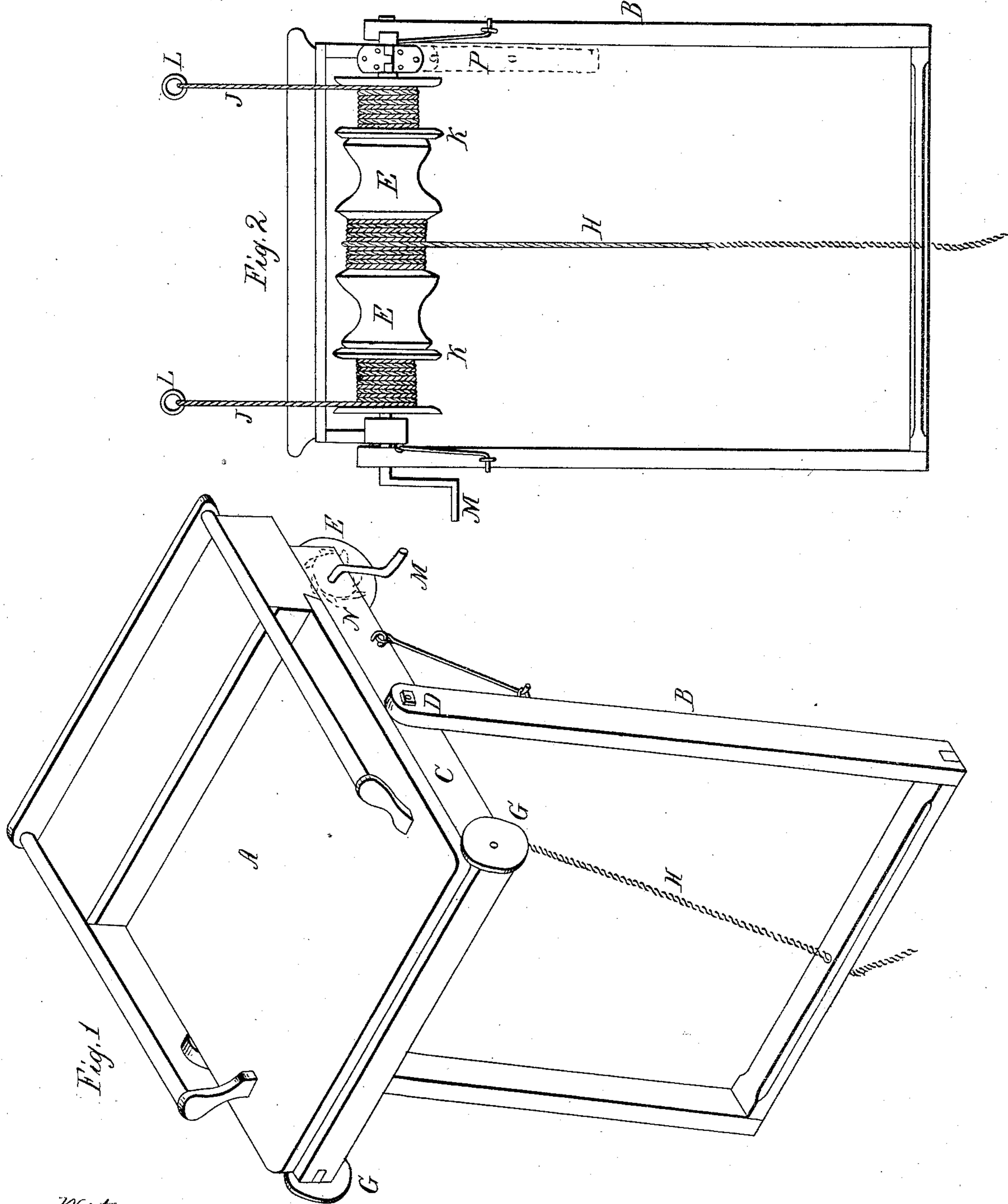


W. L. Horne.

Fire Escape.

No 56,417.

Patented Jul. 17, 1866.



Witnesses
C. G. Howland
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W. L. HORNE, OF BATAVIA, ILLINOIS.

IMPROVED FIRE-ESCAPE.

Specification forming part of Letters Patent No. 56,417, dated July 17, 1866.

To all whom it may concern:

Be it known that I, W. L. HORNE, of Batavia, in the county of Kane and State of Illinois, have invented new and useful Improvements in Machines to Escape from Hotels and other Buildings While on Fire; and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the arrangement and combination of a shaft or windlass on a frame that is intended to be used as a wash-stand in a chamber of a hotel and to be used as a fire-escape.

Figure 1 represents a view of the machine as a wash-stand. Fig. 2 represents the fire-escape without the wash-stand top.

A represents a wash-stand top, and B the support or upright frame. C is a square frame attached to the top of frame B by screw-bolts D. On one side of this frame a windlass, E, is constructed, and on the opposite corners are two rollers, G G. The center of the windlass E is wound with a rope, H, that passes through the cross-piece or foot-board of frame B to steady the machine in winding up the windlass to raise the machine back to the window from the ground after the machine has descended and been unloaded, and as the machine moves up it winds up the ropes J. On each side of the center of windlass E is a rope, J, separated from the center by flanges K K. The ends of these ropes J have a ring or hook, L, to be fastened to the window.

In case of fire, or for the purpose of escap-

ing from an upper window of a house to the ground, the wash-stand top is removed and the machine is placed on the outside of the window and hooked fast by the hooks or rings L. The person desiring to escape places his feet on the foot-board of frame B, and sets the machine with the rollers G to the wall. With his right hand he turns the crank M and revolves the windlass that uncoils the ropes J, and he is safely lowered to the ground.

A ratchet and dog, N, is intended to be attached to the windlass to regulate the movement of the crank.

As this fire-escape is likewise used as a wash-stand, it is always a useful piece of furniture.

On the one side of the frame C, and opposite to the crank M, there is a lever, P, with a hinge. This lever presses against the journal of the windlass E and acts as a brake or check. The left hand of the person is pressing upon the lever P in descending, and the velocity of the machine is regulated in its descent.

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

1. The arrangement and construction of the windlass E, with its ropes H and J, and square frame C, with its brake P and its rollers G, when arranged and combined to operate as herein described.

2. The combination of the fire-escape with a wash-stand top, so as to be used as a wash-stand and fire-escape, as herein described.

W. L. HORNE.

Witnesses:

E. G. HOWLAND,
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