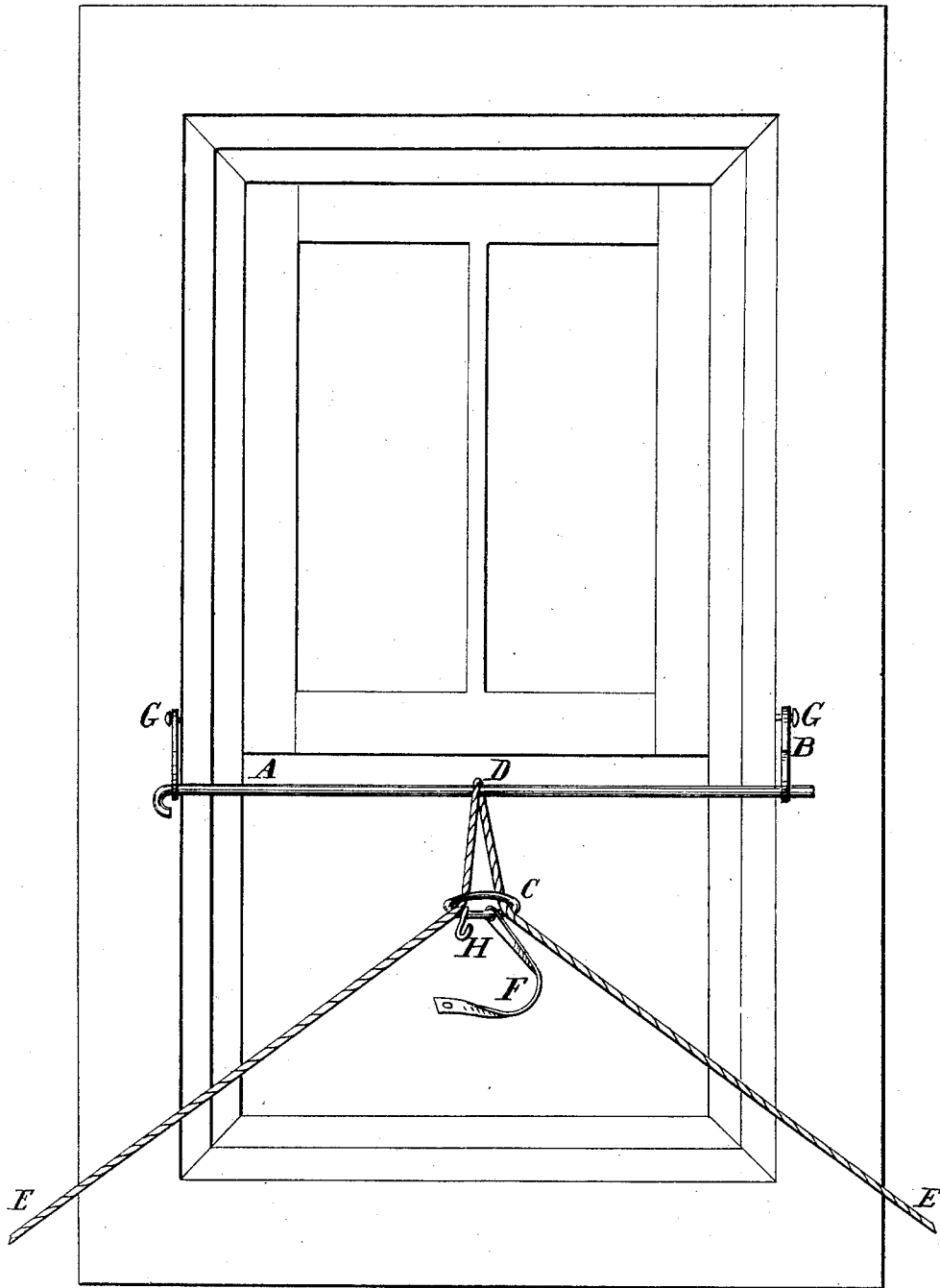


R. CHANDLER.
FIRE ESCAPE.

No. 44,934.

Patented Nov. 8, 1864.



Witnesses:

Jas. Patten
Henry Carl

Inventor:

Rich. Chandler

UNITED STATES PATENT OFFICE.

RICHARD CHANDLER, OF NEW YORK, N. Y.

IMPROVEMENT IN FIRE-ESCAPES.

Specification forming part of Letters Patent No. 44,934, dated November 8, 1864.

To all whom it may concern :

Be it known that I, RICHARD CHANDLER, of the city of New York, and State of New York, have invented new and useful Improvements in Fire-Escapes; 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 attaching a bar of iron to the window-frame of a house or public building, across which a rope is suspended near the center. An iron ring and belt operates on the rope for the purpose of gently lowering persons or goods from a window safely and quickly to the ground.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation, as follows:

To any ordinary window-frame of a house (at the alarm of fire) I suspend a cross-bar or rod, A, across the outside of the sill of the window or center of the window-frame, by resting the ends of the bar A horizontally in hooks B, which hooks are attached to each side of the window-frame by spikes or bolts G. At the center of a long rope, E, I bend the rope together, and over it pass a strong iron ring, C, forming a bight or loop, D. Through this loop the one end of the rod A is thrust until the loop D reaches and rests about the center of the rod A. The ends of the rope E extend to the ground, and the firemen seize each end, separating them on each side to such a distance that the ring C remains at the top of the angle of the rope E,

securing the ring C firmly near the cross-bar A and preventing the ring C from sliding down the rope E.

To the ring C, I have a strong belt, F, of leather or other material, permanently attached at one end, which I pass around the person or goods to be lowered, and safely fasten the person by securing the other end of the belt F to a hook, H, which is also securely attached to the ring C. As soon as the person or goods are thus safely belted and secured by the belt F to the ring C the firemen approach each other, gradually bringing the ends of the rope E together, narrowing the angle formed by the rope, so that the ring C gradually descends with its load until the load is safely landed upon the ground. The belt F is then unloosed and unloaded, and the firemen again move outward from each other, widening the ends of the rope E, and then the ring C with its belt F is moved rapidly up again to the top, near the bar A, ready to receive another person or load.

The advantages of my invention consist in its simplicity, cheapness, and rapid operation as a fire-escape that can be kept without inconvenience in any upper room of any house or building.

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

The arrangement and combination of the devices A, C, E, F, and H, when arranged, combined and operated as herein described, and for the purposes set forth.

RICHD. CHANDLER.

Witnesses:

F. C. NIEBUHR,
H. E. NEEDHAM.