

(No Model.)

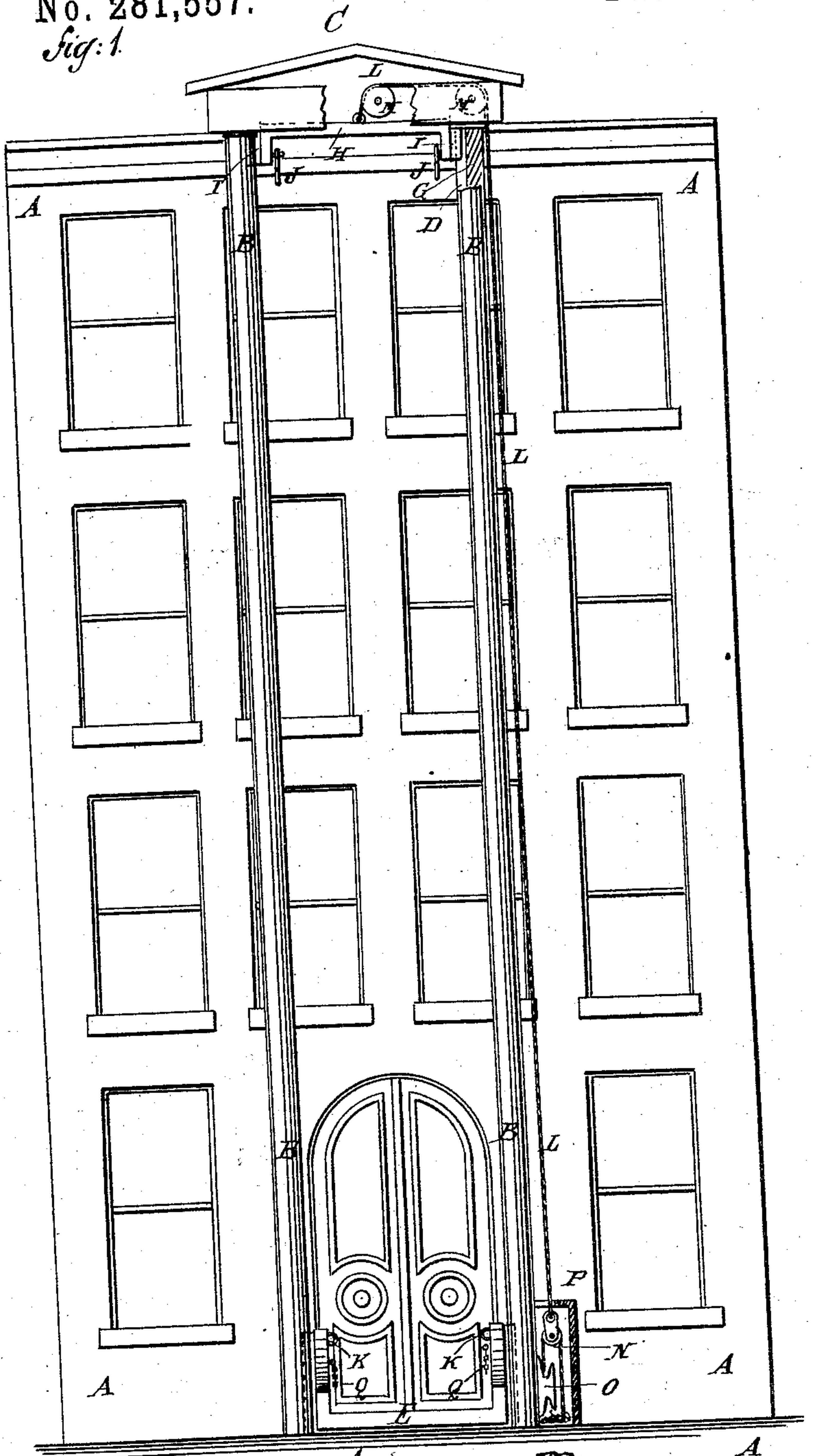
H. REDDEN.

FIRE ESCAPE.

No. 281,557.

Patented July 17, 1883.

Fig: 1



WITNESSES:

*Chas. Nida*  
*Le. Bedgwick*

Fig: 3.

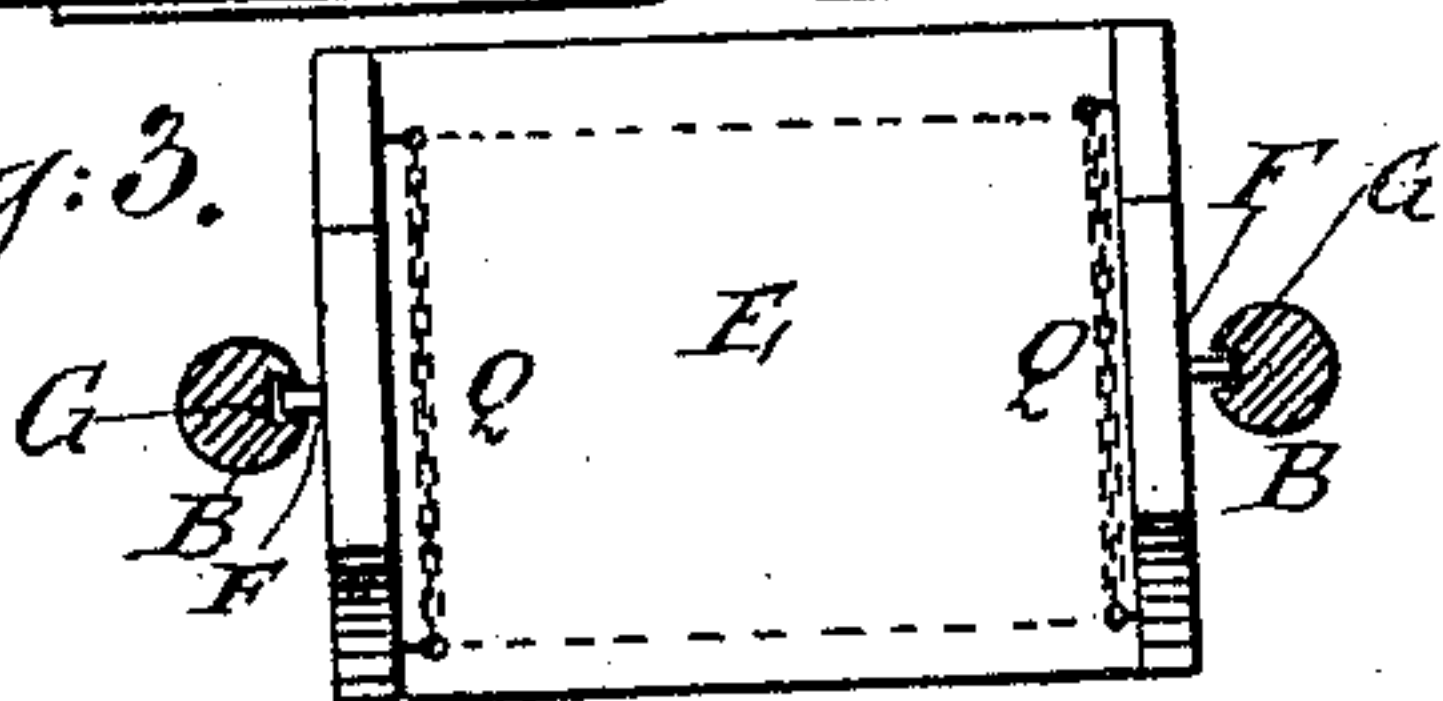
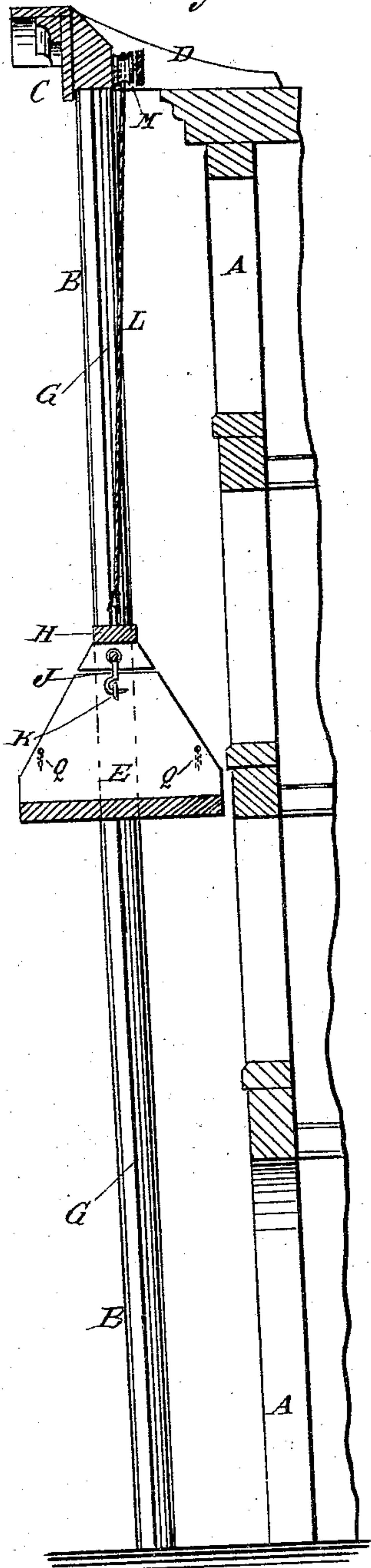


Fig: 2



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# UNITED STATES PATENT OFFICE.

HENRY REDDEN, OF NEW YORK, N. Y.

## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 281,557, dated July 17, 1883.

Application filed March 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY REDDEN, of the city, county, and State of New York, have invented a new and Improved Fire-Escape, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my improvement, parts being broken away. Fig. 2 is a sectional side elevation of the same, the carriage being shown partly raised. Fig. 3 is a sectional plan view of the same.

The object of this invention is to facilitate the removal of people from burning buildings.

A represents a building, close to the front of which and at the opposite sides of the door are erected two posts, B, of the same height as the building. The upper ends of the posts B are connected with each other by a cornice, C, and with the roof or cornice of the building by braces D. Between the posts B is fitted a platform, E, which is made with vertical ends. Upon the outer sides of the ends of the platform E are formed, or to them are attached, ribs F, which fit into and slide up and down in grooves G in the inner sides of the posts B. Between the posts B is also placed a cross-bar, H, which is made with downwardly-projecting ends provided upon their outer sides with ribs I, to enter and slide in the grooves G of the posts B.

To the downwardly-projecting ends of the cross-bar H are hinged hooks J, to hook into staples or eyes K, attached to the ends of the platform E, and thus connect the said cross-bar and platform securely, so that the said platform can be raised and lowered by and with the said cross-bar.

To the center of the cross-bar H is attached the end of a rope or chain, L, which passes over guide-pulleys M, pivoted to the middle and end parts of the cornice C. The rope or chain L extends down to the ground along the outer side of one of the posts B. The rope or chain L can be made of a length a little greater than twice the height of the posts B; but I prefer to make it of a length a little greater than once the height of the said posts B, and to con-

nect its end with a tackle and fall, N, one end of the rope or chain of which is connected with the lower part of the post B, so that less power will be required to raise and lower the platform E.

To the lower part of the post B is attached a belaying-cleat, O, for convenience in securing the rope or chain, and to support the coils of the rope or chain when not in use. The belaying-cleat O and the coils of the rope or chain are covered and protected when not in use by a box or housing, P, attached to the lower part of the post B.

When not in use the platform E rests upon the ground in front of the door, and serves as a platform for the doorway, and the cross-bar H is drawn up beneath the cornice C, as shown in Fig. 1. The platform E is provided with chains Q, bars, or other railings, which, when the apparatus is in use, are extended across the open sides of the said platform, as shown in dotted lines in Fig. 3, to serve as guards, and which, when the apparatus is not in use, are secured across the ends of the said platform, as shown in Fig. 3, to serve as hand-railings.

When it becomes necessary to use the apparatus, some one upon the ground removes the housing P, lowers the cross-bar N, hooks the hooks J into the eyes K, and then raises and lowers the platform E until the people and such property as may be desired have been removed from the building.

The posts B and cornice C can be made plain, or can be ornamented to any desired extent.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination of the two posts B, connected by a top cornice, C, carrying pivoted pulleys M, and provided with braces D, and said posts having opposite grooves G, the platform E, having vertical ends, ribs F, and eyes K, the cross-bar H, having ribs I, and hinged hooks J, and the rope or chain L, as and for the purpose described.

HENRY REDDEN.

Witnesses:

JAMES T. GRAHAM,  
C. SEDGWICK.