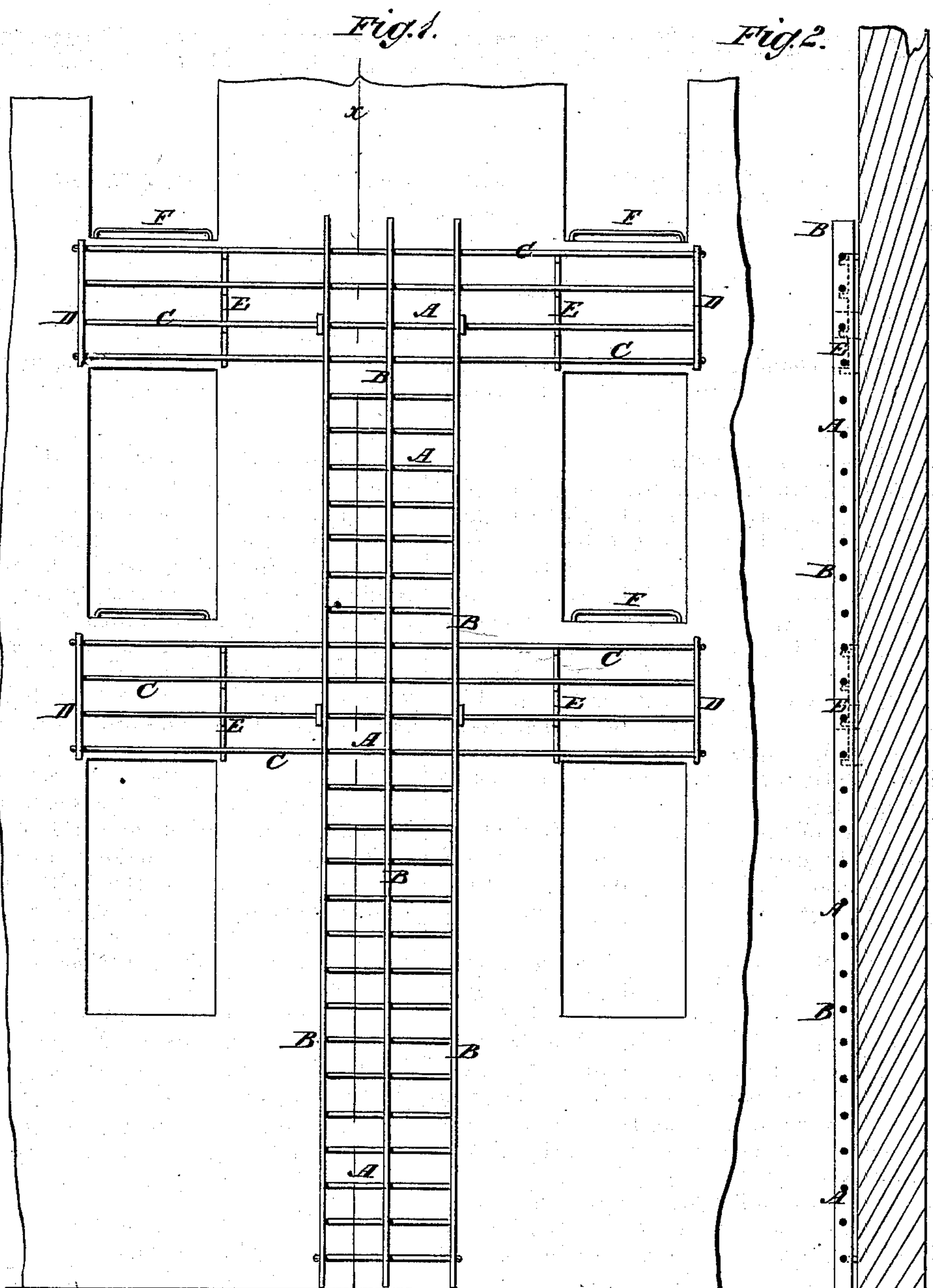


G. L. WHALEY & J. R. HASSLER.
Fire-Escape.

No. 198,720.

Patented Dec. 25, 1877.



WITNESSES:

Francis McArdle.
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INVENTORS

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UNITED STATES PATENT OFFICE.

GEORGE L. WHALEY, OF BACHELOR, AND JOHN R. HASSLER, OF SHAMROCK,
MISSOURI.

IMPROVEMENT IN FIRE-ESCAPES.

Specification forming part of Letters Patent No. **198,720**, dated December 25, 1877; application filed
October 6, 1877.

To all whom it may concern:

Be it known that we, GEORGE LEE WHALEY, of Bachelor, in the county of Callaway and State of Missouri, and JOHN RICHARDSON HASSLER, of Shamrock, in the county of Callaway and State of Missouri, have invented a new and useful Improvement in Fire-Escapes, of which the following is a specification:

Figure 1 is a front view of our improved device shown as applied to a building. Fig. 2 is a vertical section of the same, taken through the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved fire-escape which shall be simple in construction, inexpensive in manufacture, durable, always ready, and wholly out of the way.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

The main part of the ladder, which we prefer to form by attaching rounds A to three parallel uprights, B, but which may be formed with only two uprights, B, is secured to the wall of the building between two vertical rows of windows, as shown in Fig. 1.

We prefer to make the ladder A B in sections for convenience in putting it up.

Between the tops of the lower windows and

the bottoms of the windows above them the rounds A are extended to the farther sides of the windows. The outer ends of the rounds C are attached to short uprights D, which are secured to the wall of the building. The extended rounds C are strengthened by one or more intermediate uprights, E, which are also secured to the wall of the building.

F are rounds attached to the sills of the windows, for persons to take hold of when passing out of the window to the side parts of the ladder.

In case of fire, when the usual stairways become impassable, the persons in the upper rooms can pass out of the windows to the side parts C D E of the ladder, pass along said parts horizontally to the main part A B of said ladder, and descend by it to the ground.

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

The combination of the ladder A B, one or more side extensions, C D E, and the rounds F on the window-sills, substantially as and for the purpose specified.

GEORGE LEE WHALEY.

JOHN RICHARDSON HASSLER.

Witnesses:

T. D. BISHOP,

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