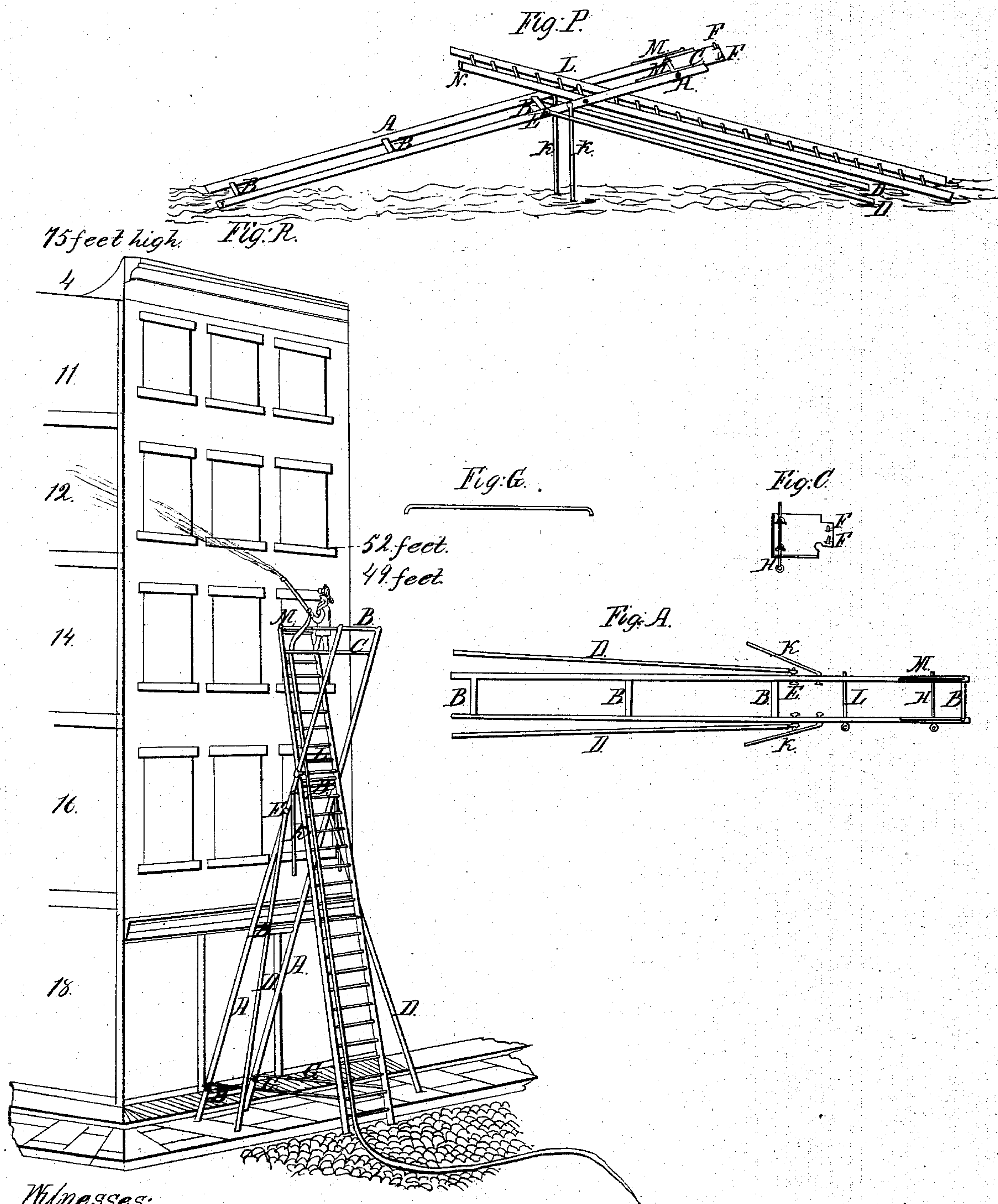


H. O. Baker.

Fire Escape.

N^o 62,305.

Patented Feb. 26, 1867.



Witnesses;
William Gallon
Henry C. Nichols

Inventor;
Henry O. Baker

United States Patent Office.

HENRY O. BAKER, OF NEW YORK, N. Y.

Letters Patent No. 62,305, dated February 26, 1867.

IMPROVEMENT IN LADDERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, HENRY O. BAKER, of the city, county, and State of New York, have invented a new and improved Mode of Raising and Sustaining Ladders at fires.

The nature of my invention consists in raising and sustaining the ladder without its leaning against the building, thus enabling the firemen to throw water into windows at a greater height with the same ladder, and also to throw water through the windows on each floor from a level with each window.

To enable others skilled in the arts to make and use my invention, I proceed to describe my mode of construction and mode of elevating.

The frame, Figure A, is made of two side pieces, of any size and length required, with rounds, B, properly framed into the side pieces; the number of the rounds and their distance apart to be as found most convenient, keeping in view the fact that the round next to the top round must be far enough from the top of the frame, and the frame wide enough, to admit of the top of the ladder to be adjusted. The platform C must be adjusted to the top of the frame before elevating. The arms or supports D D of the frame are to be secured by swivel-eyes, E E, at the top end, so as to allow of their being moved in any direction required. The platform C must be secured by a strong iron bolt, H, passing through the sides of the frame, and also eyes on the under side of the platform. The two iron pins, F F, placed near the end of the platform, are to fasten over a round in the ladder when in use. The stays G, used to secure the foot of the ladder to the frame, may be of iron chains or ropes, and should be attached from two to four feet from the ground. The supports for the frame, K K, are to hold the frame in position until the ladder is secured, which is done by passing an iron bolt, L, through the frame and the ladder. M M are iron hooks, which fasten into staples, N N, on the end of the ladder, thus forming a guard to protect the men on the platform.

Figure P shows the position of the support and ladder when ready to be raised.

Figure R shows the supporter and ladder in use.

Directions for Elevating.

Place the top of the ladder inside of the top of the frame, and extend the arms D D as in fig. P, then secure the ladder and frame together with the iron bolt L. Hold the foot of the frame securely; then bring the foot of the ladder toward the frame as far as may be required, put in the stays G, and let down the platform C. In this way the structure is easily raised and made ready for use in a few minutes.

What I claim as new and useful, and desire to secure by Letters Patent, is—

The combination of the supporting frame, the ladder, the platform, and the braces, the whole to be arranged as and for the purpose set forth.

HENRY O. BAKER.

Witnesses:

WILLIAM POILLON,
CARMAN NICHOLS, Jr.