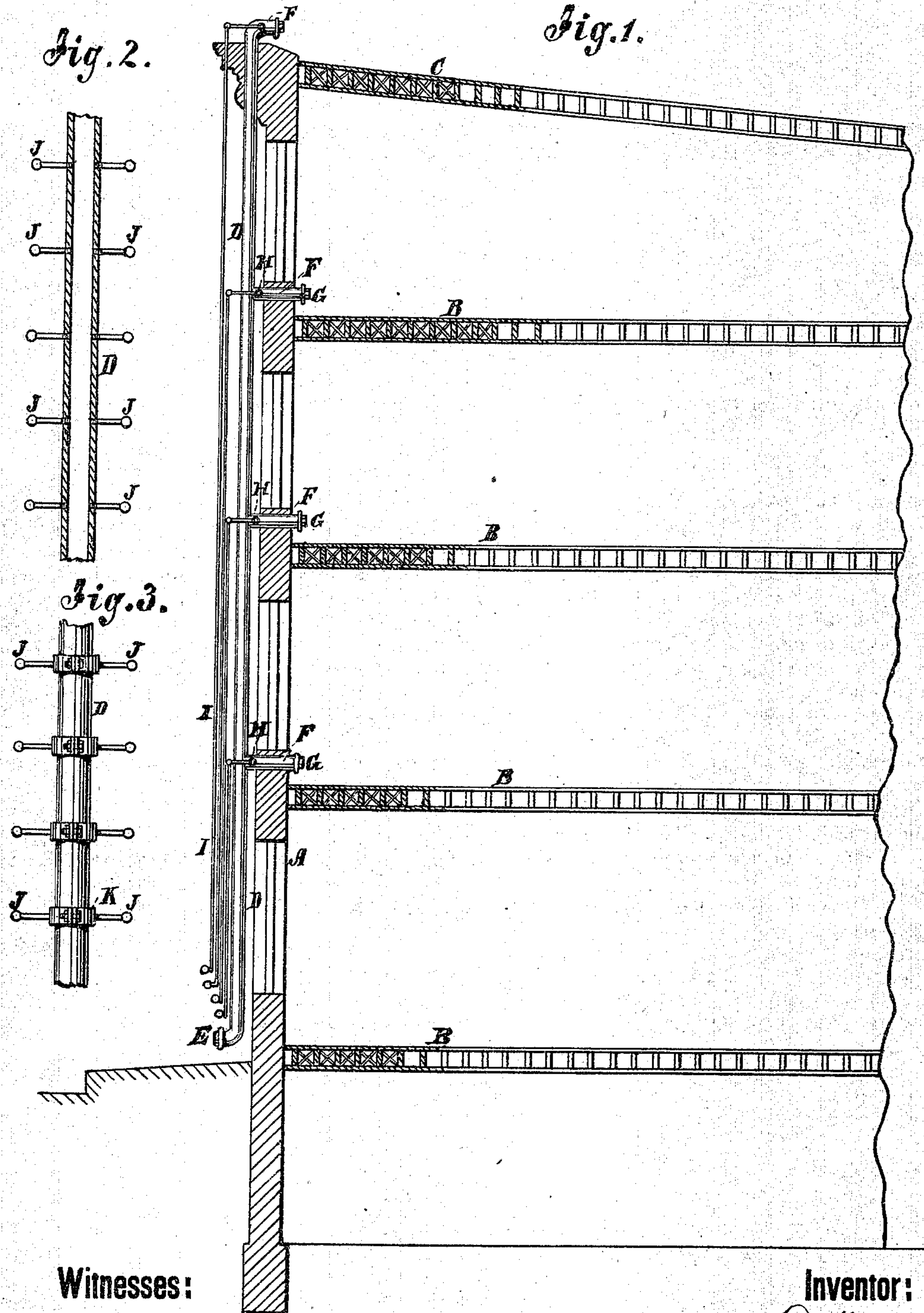


T. MILLER.
Fire-Extinguishing Water-Pipe Attachments for
Buildings.

No. 144,690.

Patented Nov. 18, 1873.



Witnesses:

A. Bennekenhoff.
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UNITED STATES PATENT OFFICE.

THOMAS MILLER, OF NEW YORK, N. Y.

IMPROVEMENT IN FIRE-EXTINGUISHING WATER-PIPE ATTACHMENTS FOR BUILDINGS.

Specification forming part of Letters Patent No. **144,690**, dated November 18, 1873; application filed May 24, 1873.

To all whom it may concern:

Be it known that I, THOMAS MILLER, of the city, county, and State of New York, have invented a new and Improved Fire-Extinguishing Water-Pipe Attachment for Buildings, of which the following is a specification:

The invention consists in attaching climbing-pins to the standing pipe of a building, as hereinafter described.

Figure 1 is a sectional elevation of a building and side elevation of my improved water-pipe attachment. Fig. 2 is a vertical sectional elevation of a portion of the pipe, showing the application of the climbing-pins; and Fig. 3 is a side elevation of a portion of the standing pipe, showing a different mode of attaching the climbing-pins.

Similar letters of reference indicate corresponding parts.

A represents the side wall of the building; B, the floors; C, the roof; and D, the standing pipe. The hose of the fire-engine is attached to the pipe at E. The pipe is employed,

as heretofore, to save the time and labor of hoisting the hose up the building, and to facilitate the discharging of the water into any story of the building by a branch, F, for each story. J represents the climbing-pins, which I propose to attach to the pipe to make it available for a fire-escape. They may either be tapped directly into the pipe, as represented in Fig. 2, or into collars K, clamped on, as represented in Fig. 3, or any other improved mode may be employed.

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

The standing pipe of a fire-extinguishing attachment to buildings, provided with climbing-pins J, and thus made available for a fire-escape, substantially as specified.

THOMAS MILLER.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.