T. LYNESS & J. P. DUNNE.

FIRE ESCAPE.

No. 188,525. Patented March 20, 1877.

Fig. 1.

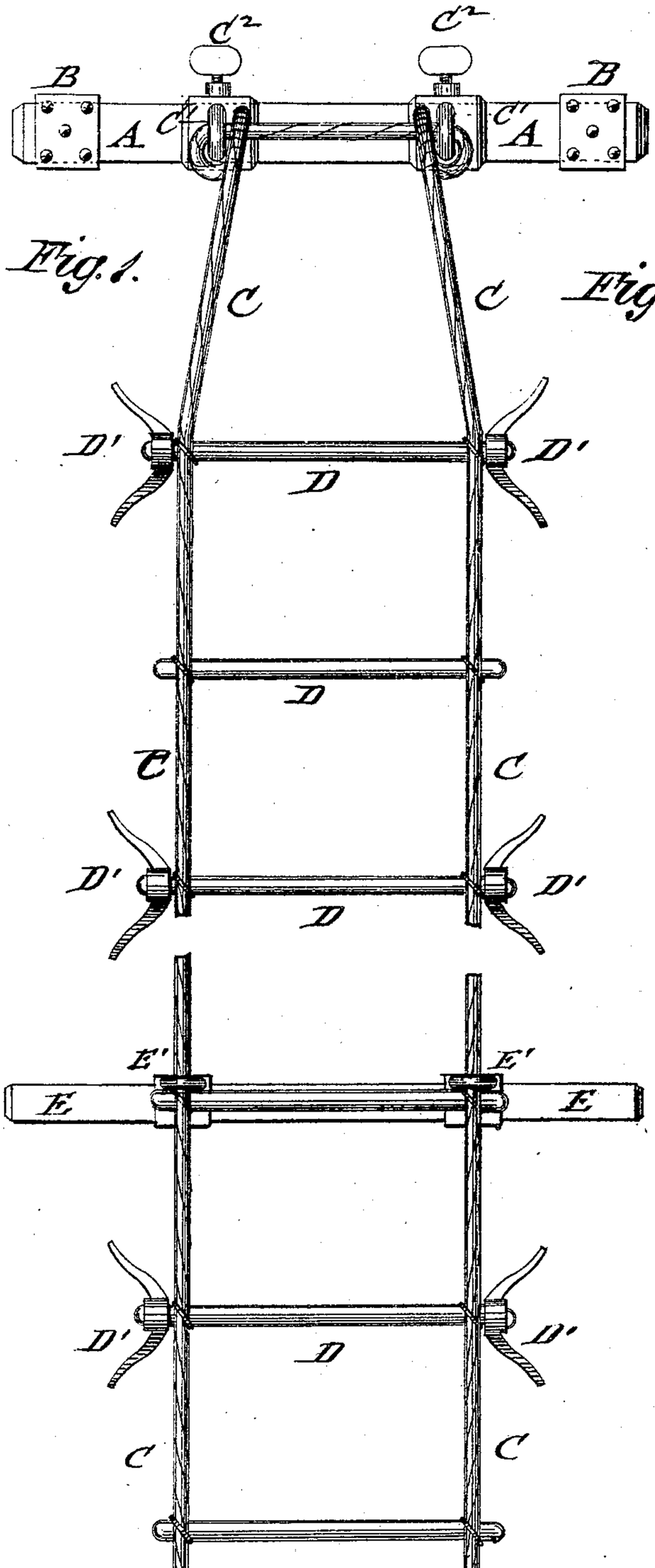
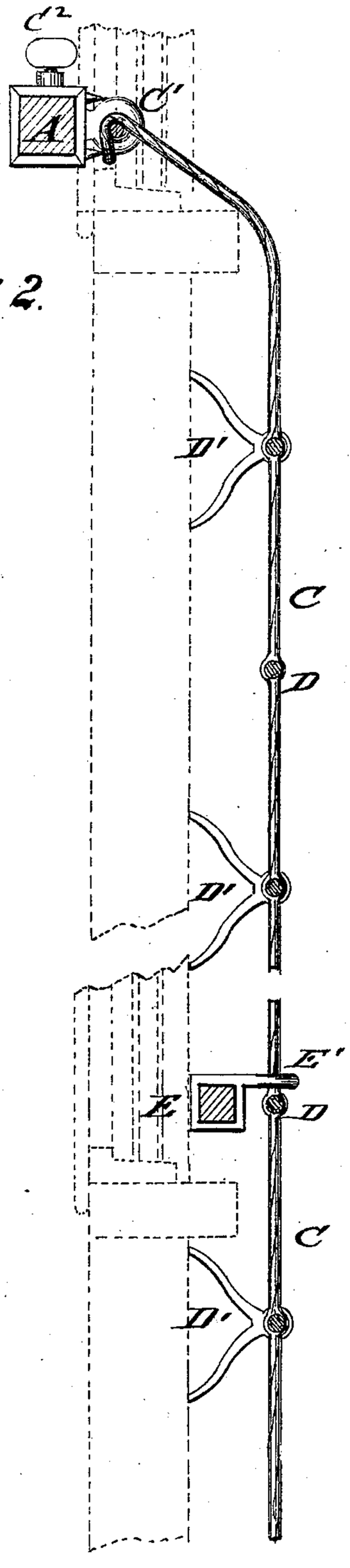


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE

TOBIAS LYNESS AND JOSEPH P. DUNNE, OF NEW YORK, N. Y.

IMPROVEMENT IN FIRE-ESCAPES.

Specification forming part of Letters Patent No. **188,525,** dated March 20, 1877; application filed January 29, 1877.

To all whom it may concern:

Be it known that we, TOBIAS LYNESS and JOSEPH P. DUNNE, of the city, county, and State of New York, have invented a new and Improved Fire-Escape, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a front elevation of our improved fire-escape, and Fig. 2 a sectional side view of the same, showing it as applied to a house.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved fire-escape of simple and effective construction, that may be readily applied for use in case of fire so as to provide a steady and reliable exit from any window.

This invention consists of a cross-piece with spurred end cheeks, placed across the inside of a window-casing, and having a rope-ladder suspended from adjustable eyes. The rounds of the rope-ladder are provided at the ends with brackets, and that part of the ladder which passes over the lower window is arranged with one or more cross-pieces in place of the brackets.

In the drawing, A represents the main cross-piece, from which the entire fire-escape is suspended. Cross-piece A is made somewhat longer than the general width of windows, and provided at the ends with spurred cheeks B, that secure the cross-piece firmly at the inside of the window-casing when the same is placed in position across the window. A rope-ladder, C, is suspended from eyes C^1 of cross-piece A, the eyes C^1 being readily adjustable to greater or less width by sliding their sockets or bands on the cross-piece and fastening them by clamp-screws C^2.

The rope-ladder is constructed with wooden rounds D, at suitable distance from each other, of which each round, or every second or third round, is provided with fixed cushion brackets or feet D′, attached to the ends, which bear against the wall of the house and support the rounds at such distance therefrom that they furnish a steady and convenient hold for the hands and feet. Where the ladder extends over lower windows the brackets or supports D′ are not required at the rounds, but in place of the same one or more cross-pieces, E, are used, that bear on the outside of the window-casings, and are hung by axes or staples E′ to the ropes above the rounds.

In case of fire, the main cross-piece is placed across the window-casing, and the rope-ladder, with the lower cross-pieces, lowered from the window, after which the fire-escape is ready for use, being rolled up into narrow space when not in use, and forming thus a simple, cheap, and effective safety device for hotels, tenement, and other houses.

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

1. Ladder-ropes C C, connected with a top cross-bar, A, by slide-bands having eyes C^1, as described.

2. The cross-piece E, having eyes or staples E′, resting on round and receiving the ropes, as set forth.

3. A rope-ladder provided with wall-bracket D′, consisting of two corresponding prongs, rigidly fastened at their junction to the ends of rounds, for the purpose specified.

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