

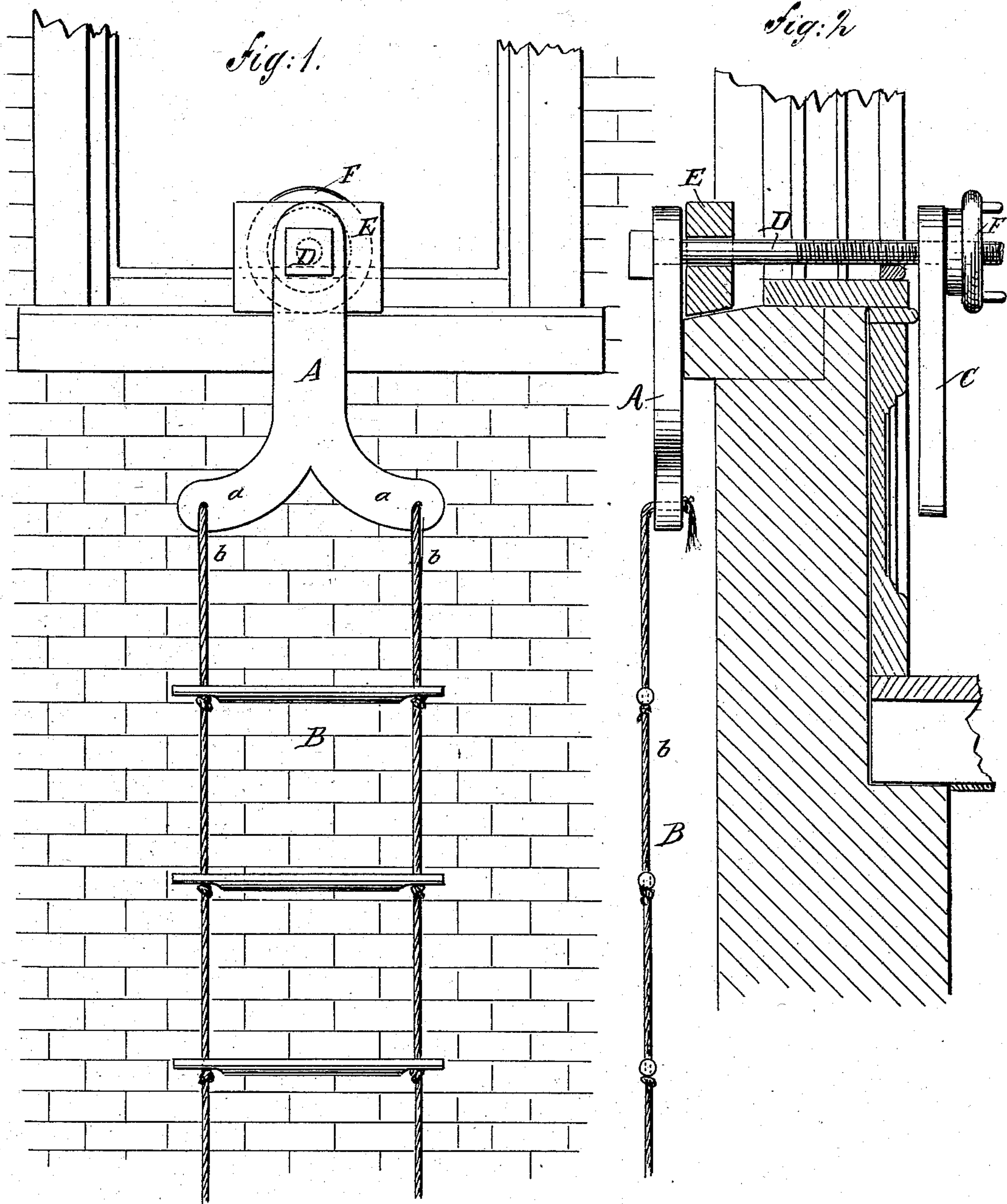
(No Model.)

H. M. DECKER.

FIRE ESCAPE.

No. 258,028.

Patented May 16, 1882.



WITNESSES:

Chas. Vida
C. Sedgwick

INVENTOR:

H. M. Decker
BY *Alvin H.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

HELEN M. DECKER, OF NEW YORK, N. Y.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 258,028, dated May 16, 1882.

Application filed March 14, 1882. (No model.)

To all whom it may concern:

Be it known that I, HELEN M. DECKER, 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.

My invention relates to that class of fire-escapes which are not permanently fixed to the building, but are adapted to be attached to the window sill in case of fire from the inside of the building or upper apartment, furnishing a ladder for the descent of the inmates thereof; and it seeks to provide a cheap and efficient fire-escape of this character which may be quickly and easily put in position for use, and which may be applied to all forms of window-sills.

My invention consists principally of a suitable metal plate, to which the ladder is attached, and of a clamp-plate adapted to come against the inside of the window-sill, the two plates being connected together by a screw-threaded bar or rod carrying a clamping-wheel which may be quickly and easily turned for clamping the plates to the window-sill.

My invention further consists of a block to be used in connection with the clamping-plates and screw-rod when the escape is to be used on sloping window-sills for elevating the escape, and also in the construction, arrangement, and combination of parts, all as hereinafter described.

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 both the figures.

Figure 1 represents my new and improved fire-escape, in front elevation, as it appears when in position for use; and Fig. 2 represents the same in side elevation, the wall of the building and the supporting-block being shown in section.

A represents the outside plate, which is by preference made with the two curved arms *a a*, to which the ropes *b b* of the ladder B are attached. C represents the inside clamp-plate;

D, the screw rod or bar; and E represents the block which is placed upon the screw rod or bar D, for supporting the outer end of the bar D when the escape is attached to sloping window-sills, so that the bar D will be held in about horizontal position, as shown in the drawings.

Upon the inner end of the screw rod or bar D is placed the hand-wheel F, for clamping the plate C firmly against the window-sill for firmly attaching the escape to the sill, so that a person may safely descend upon the ladder B to the ground or pavement.

The clamp-plate C will be of considerable length, and will extend below the upper part of the sill so far that any weight upon the ladder cannot detach the escape from the sill, and the wheel F will be of such size that it will reach down upon the clamp-plate C sufficient distance to clamp it firmly against the sill, and so that the escape can be attached quickly and the clamp-plate screwed against the sill with a great deal of force.

It will be seen that by this construction of the escape, when attached to the window-sill, it is perfectly safe and secure, and will in no manner mar the window-sill, so that no repairs will be needed in case the fire is put out. Besides these advantages, the device is very cheap of construction, and when not in use can be stowed away in very small space.

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

1. The fire-escape herein shown and described, consisting of the plate A, to which the ropes *b b* of the ladder are attached, the clamp-plate C, and the screw-rod D, and hand-wheel F, substantially as set forth.

2. In combination with the plates A and C, rod D, and wheel F, the block E, substantially as and for the purposes set forth.

HELEN M. DECKER.

Witnesses:

H. A. WEST,
C. SEDGWICK.