(No Model.)

T. D. JENKINS.

FIRE ESCAPE.

No. 337,064. Patented Mar. 2, 1886.

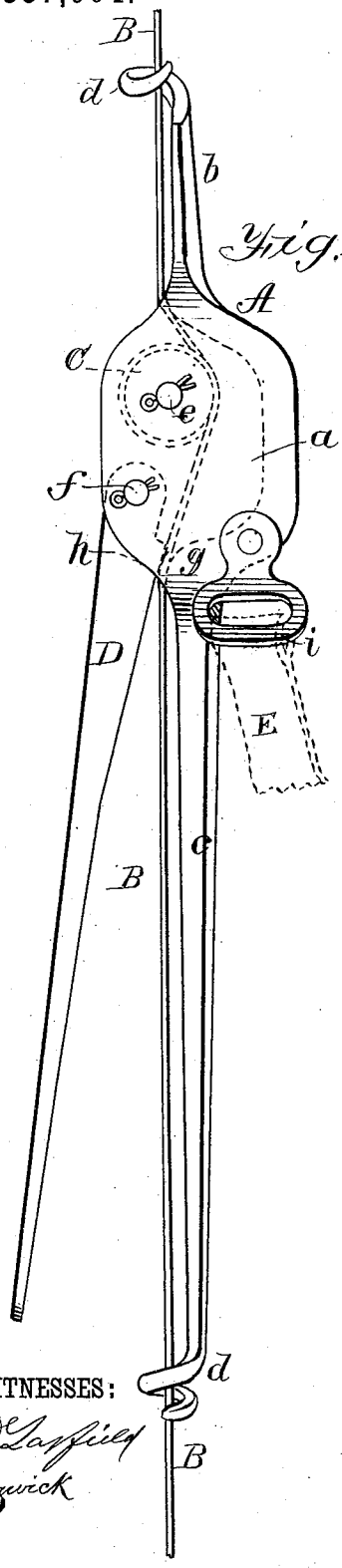

Fig. 1.

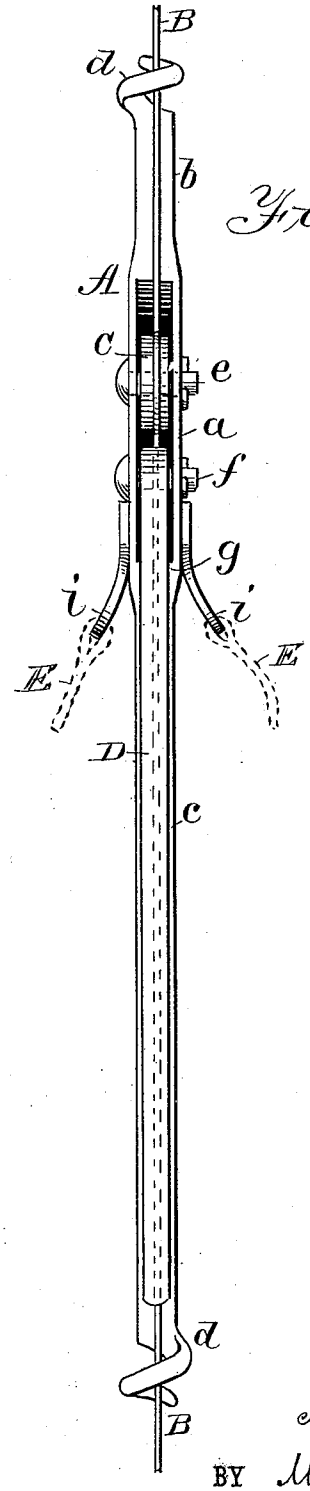

Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

THEODORE D. JENKINS, OF JERSEY CITY, NEW JERSEY.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 337,064, dated March 2, 1886.

Application filed December 23, 1885. Serial No. 186,545. (No model.)

To all whom it may concern:

Be it known that I, THEODORE D. JENKINS, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Fire-Escape, of which the following is a full, clear, and exact description.

My invention relates to a new and improved portable fire-escape wherein a lever is used to grasp the escape line or rope to prevent too rapid descent.

The invention consists of the special construction and combination of the parts composing the fire-escape, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a side elevation of my new and improved fire-escape, and Fig. 2 is a front elevation of the same.

A represents the main part or body of the fire-escape. This is made of metal, and is formed with the enlargement or box *a*, upwardly-projecting arm *b*, and downwardly-projecting longer arm *c*. The extremities of the arms *b c* are formed with guides *d* for the rope or escape-line B, and these guides are made in the form of open spirals, to facilitate the introduction of the rope to the guides or their application to the rope, which may be done with dispatch by simply passing the rope around the points of the spirals and turning the fire-escape once around the rope.

In the box *a* is journaled on the pin *e* the roller or small wheel C, around which the line or rope B passes, and in the box *a* is fulcrumed on the pin *f*, below the wheel C, the lever D, which is arranged to nip the line B between the inner edge of the lever and the abutment *g* formed at the bottom of the box *a*. The lever D extends downward and stands at a small angle in front of the lower extension, *c*, of the body of the fire-escape, so that both the lever and the extension may be conveniently grasped in the hand for closing the lever upon the line, and an enlargement, *h*, is formed upon the inner edge of the lever opposite the abutment *g*, to cause the lever to more effectually bear upon the line.

Upon each side of the box *a* are secured the loops or rings *i i*, to which a belt, E, may be attached for securing the fire-escape to the body of a person about to descend the rope or line.

In use the line will be secured at one end in the window and the other end cast out. The person to descend will then place the belt E about his person, and grasp the lever D and extension *c* and leave the window. A slight pressure upon the lever D will brake the descent of the fire-escape so the person can lower himself slowly and safely to the ground.

The guides *d d* hold the fire-escape parallel with the line, so there can be no failure of the lever D to act upon the rope, and when the fire-escape is not in use the rope can be easily removed from the guides and coiled so the whole can be packed in a small compass without tangling the rope, and without the necessity of drawing it through or wholly detaching it from the fire-escape.

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

1. The herein-described fire-escape, consisting of the body portion A, having the box *a*, and provided with the upwardly and downwardly projecting arms *b c*, having the guide *d* in their ends, and the lever D, pivoted in the box of the body, as specified.

2. The body A, formed with the chamber *a*, and extensions *b c*, having open guide-coils *d* for the rope or line B, in combination with the wheel C, lever D, and belt E, the lever being formed with the enlargement *h*, and the body A with the abutment *g*, substantially as and for the purposes described.

THEODORE D. JENKINS.

Witnesses:

THOMAS J. ROBERTS,

CHARLES H. MOUNT.