

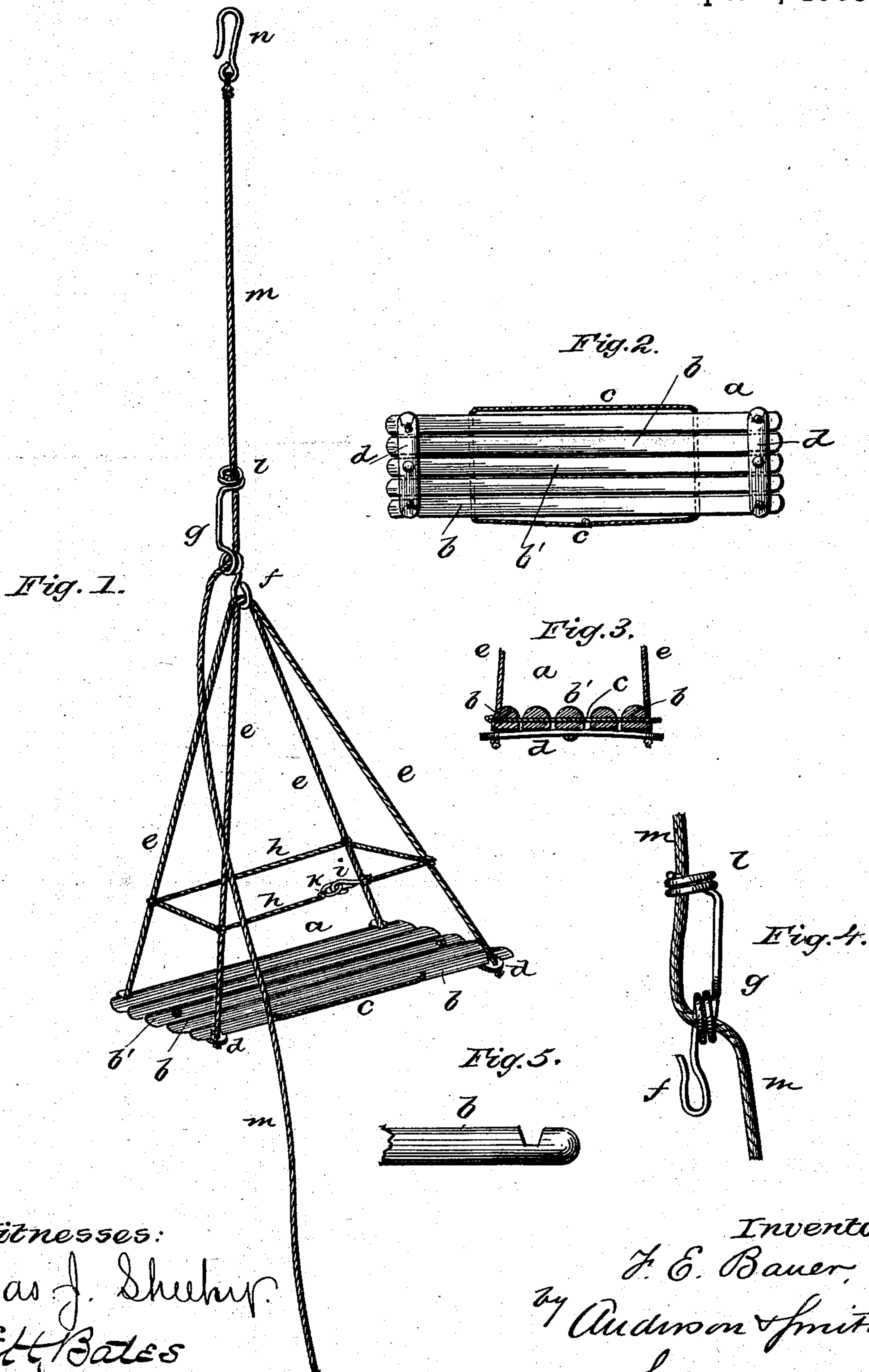
(No Model.)

F. E. BAUER.

FIRE ESCAPE.

No. 284,360.

Patented Sept. 4, 1883.



Witnesses:

Jas J. Sheehy.  
E. H. Bates

Inventor:

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by Anderson & Smith  
his Attorneys.



# UNITED STATES PATENT OFFICE.

FREDERICK E. BAUER, OF DANBURY, CONNECTICUT.

## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 284,360, dated September 4, 1883.

Application filed May 12, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK E. BAUER, a citizen of the United States, residing at Danbury, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Fire-Escapes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a perspective view illustrating this invention. Fig. 2 is a plan view, and Figs. 3, 4, and 5 are detail views.

This invention has relation to fire-escapes; and it consists in the construction and novel arrangement of devices, as will be hereinafter fully described, and particularly pointed out in the claims appended.

The object of the invention is to provide a portable fire-escape, that may be readily packed and carried as personal baggage, to be used at any time when needed. The seat *a* is therefore constructed of laterally-perforated slats *b*, connected by cords *c*, passed through said perforations; or the cord may be continuous. To the central or middle slat, *b'*, near each end, is pivoted a metal bar, *d*, the ends of which are perforated to receive the suspension-cords *e*. The seat is composed of slats, in order that it may be folded, and the bars *d* are pivoted, so that they may be turned under when the seat is to be folded. The outer slats of the seat are notched near each end in their outer edges, for the reception of the suspension-ropes *e*, and these ropes extend upward and are connected to a hook, *f*, at the lower end of the guide-slide *g*. A guard, *h*, is connected to the suspension-rope *e* a short distance above the folding seat, to assist in supporting the occupant of the seat. A hook, *i*, and an eye, *k*, connect the ends of this guard, which is of rope or leather, and the hook *i* is of a construction that permits of the ready entrance of the eye, it being in the form of a laterally-operating snap-hook.

The slide-guide *g* is composed of steel wire, has a horizontal coil, *l*, at its upper end, a vertical coil near its lower end, and the hook *f*, all made in one piece.

The operating-rope *m* has a hook, *n*, at its upper end, which may be fastened to any fixed object in the room, or to a staple driven into the window-casing, and this rope *m* passes down through the horizontal and vertical coils in the slide, and is of any desired length.

To operate the escape it is only necessary to open the seat, fix the hook to its fastening, grasp the rope below the slide, mount the seat, and gradually descend, the grasp upon the rope permitting the occupant or occupants to regulate the rapidity of the descent.

This device can be readily packed and transported, and affords an efficient protection for commercial travelers and others where other means of escape from fire are not provided.

This fire-escape is specially adapted for the use of women and children, on account of the easy manner in which the descent can be made.

This construction forms a sliding seat—that is, one in which the guide slides upon the rope.

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

1. In a fire-escape, the slide-guide having the horizontal coil, the vertical coil, and the suspension-hook, substantially as specified.

2. The combination, with the slide-guide having the horizontal and vertical coils and suspension-hook, of the folding seat and operating-rope passing through said coils, substantially as specified.

3. The combination, with the suspension-ropes and folding seat, of the guard rope or leather having the hook and eye, substantially as specified.

4. The combination, with the slatted folding seat, of the pivoted end bars and suspension-ropes, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

FREDERICK EMIL BAUER.

Witnesses:

JAS. E. HAYT,

DAVID B. BOOTH.