

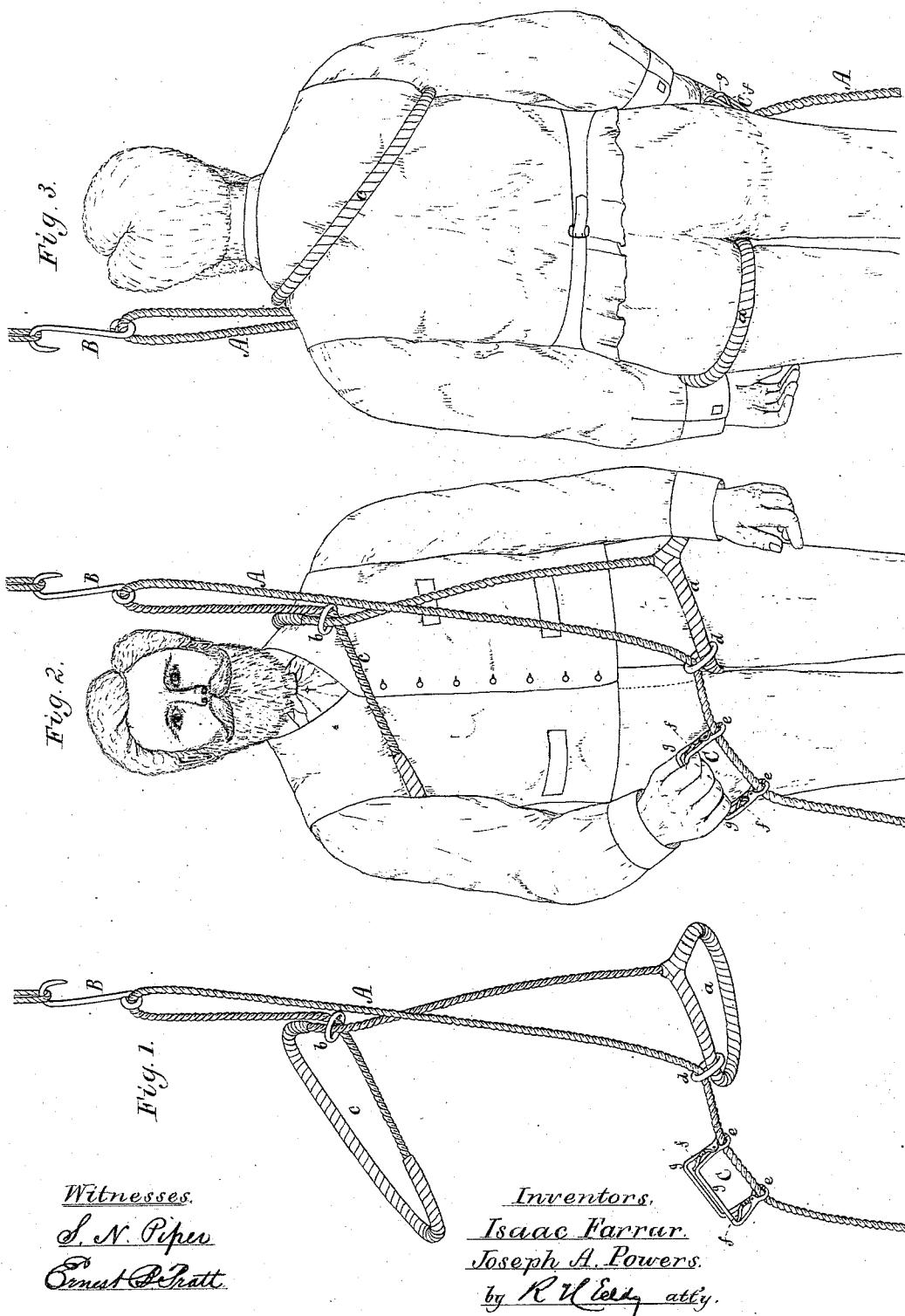
(No Model.)

I. FARRAR & J. A. POWERS.

FIRE ESCAPE.

No. 311,889.

Patented Feb. 10, 1885.



# UNITED STATES PATENT OFFICE.

ISAAC FARRAR AND JOSEPH ABIJAH POWERS, OF BOSTON, MASSACHUSETTS, ASSIGNORS, BY MESNE ASSIGNMENTS, TO SAID ISAAC FARRAR.

## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 311,889, dated February 10, 1885.

Application filed December 19, 1884. (No model.)

*To all whom it may concern:*

Be it known that we, ISAAC FARRAR and JOSEPH ABIJAH POWERS, of Boston, in the county of Suffolk, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Fire-Escapes; and we do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a front elevation of a fire-escape embracing our invention, the nature of which is defined in the claim hereinafter presented. Fig. 2 is a perspective view of it as applied to a person, and ready for use by him in escaping 15 from a building on fire. Fig. 3 is a back view of a person with the fire-escape as applied to him.

In such drawings, A denotes a rope provided at one end with a loop, a, to receive 20 one of the legs of a person. Above this loop the rope goes upward through a ring, b, and next downward and again upward through such ring, so as to form another or shoulder loop, c, which, when the fire-escape is in use, 25 goes under one arm, and thence upward across the back and over the shoulder of the other arm of a person, and thence extends through the eye of a hook, B. Thence the rope goes downward through another ring, d, 30 that slides on the leg-loop a. On the part of the rope which is next below the said ring d is a clamp, C, having two sets of jaws, e e, to grasp the rope, they being caused to do this by springs f f between the tails of the levers 35 g of the jaws.

With the fire-escape applied to the body of

a man in manner as shown in Fig. 2, in which one of his legs is represented as going down through the leg-loop, and the latter drawn closely up into the crotch of the legs, the other loop being also applied about the shoulder of one arm and extended under the other arm and across the breast and back of the person, he is to hitch or properly secure the hook into a window-casing or to some article of furniture in the apartment. Having done this he is to pass out of the window. The rope in such case will be drawn upon, so as to pull the clamp up to the ring of the leg-loop, in which case the person will be suspended from the window, and by seizing the hand-clamp and operating it so as to cause its jaws to open more or less, he can descend, the rope in the meantime slipping through the eye of the hook and the jaws of the clamp.

Instead of the hook B we sometimes use a common pulley provided with suitable means of fastening it to a bed-post or other convenient device in an apartment from the window of which it may be desirable for a person to escape.

We claim—

The fire-escape, substantially as described, consisting of a rope provided with the leg-loop a, the ring b, shoulder-loop c, hook B, leg-loop ring d, and clamp C, all arranged and for use substantially as set forth.

ISAAC FARRAR.

JOSEPH ABIJAH POWERS.

Witnesses:

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