

(No Model.)

J. ABBOTT.

FIRE ESCAPE.

No. 376,622.

Patented Jan. 17, 1888.



Fig. 1.

Fig. 2.

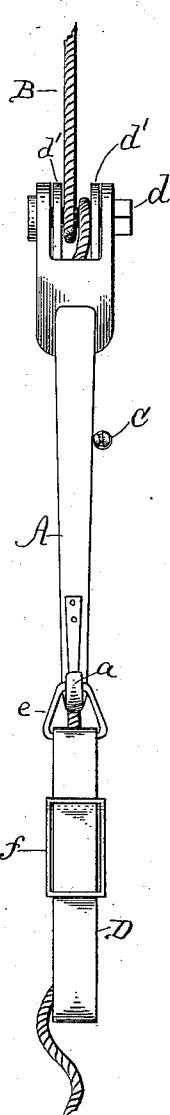
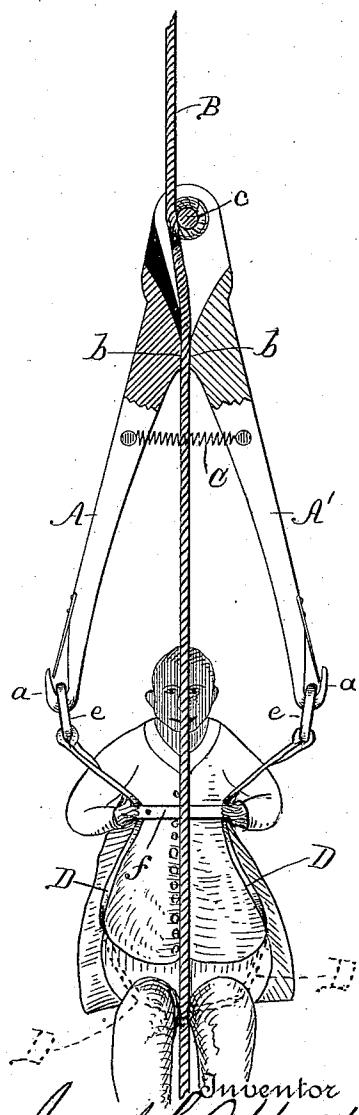


Fig. 3.



Witnesses

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FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 376,622, dated January 17, 1888.

Application filed June 15, 1887. Serial No. 241,367. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH ABBOTT, of Rumney, in the county of Grafton, of the State of New Hampshire, have invented a new and useful Improvement in Fire-Escapes; and I do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front view, Fig. 2 an edge elevation, and Fig. 3 a view in use, of a fire-escape of my invention, the nature of which is defined in the claim hereinafter presented.

In such drawings, A and A' denote two arms, each of which terminates at its free end in a snap-hook, a. Each of such arms at its upper part is furcated, as shown, and below the furcation is provided with a jaw, b. The fork of one arm extends within that of the other, the two being connected by a screw-bolt, c, which goes through the prongs of the two furcations, and has a nut, d, screwed upon it. Around the bolt, or that part of it which is between the prongs d' d' of the lower fork, a rope, B, is or may be wound one or more times, such rope being extended down between the jaws b b, which are drawn closely upon it by means of a spiral spring, C, connecting the two arms and arranged therewith, as represented. A hanger or strap, D, having at its ends two rings, e e, is connected with the arms by hitching the rings upon the hooks of such arms. There slides upon the strap a rectangular metallic ring, f, through which the strap in a looped state passes. At its upper end the rope is provided with a hook, g, for securing it to a window-sill or some other part of a building or an article of furniture therein.

In using the said fire-escape a person is to extend the strap around his body below his arms, or is to sit within the loop of the strap, 40 with the ring f pushed upward on the strap, as shown in Fig. 3, in order to cause the arms A A' to be firmly drawn toward each other by the strap, under the weight of the said person, when the fire-escape is suspended from the 45 window of a building, the rope being grasped by the jaws of the said arms. On the person taking hold of the arms and moving them asunder a little the grip of the jaws on the rope may be lessened sufficiently to allow of 50 the furcated arms, with the person supported by the strap, sliding slowly down on the rope. The said rope, by being used on the screw-bolt, works with friction thereon to prevent a 55 too sudden descent of the person.

By moving the ring or loop f up or down, the arms A A' are varied in their distance from each other, so as to vary the grip on the rope.

I claim—

The combination of the sliding ring applied 60 to the looped strap, as described, with such strap and with the furcated arms arranged and connected and provided with the jaws and snap-hooks, all being substantially as represented.

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Witnesses:

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