

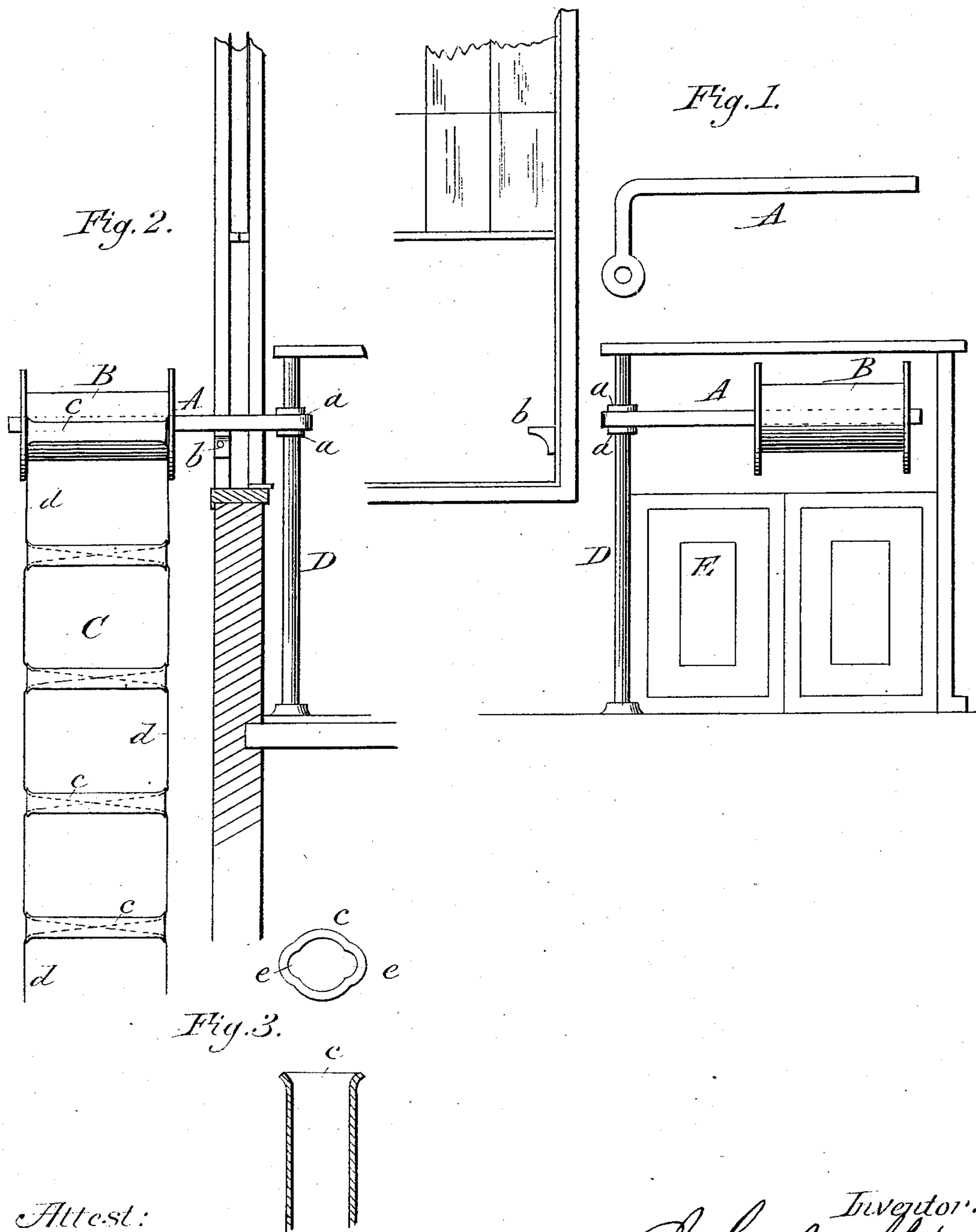
(No Model.)

J. MOFFET.

FIRE ESCAPE.

No. 285,296.

Patented Sept. 18, 1883.



Attest:

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# UNITED STATES PATENT OFFICE.

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## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 285,296, dated September 18, 1883.

Application filed January 27, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN MOFFET, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Fire-Escapes; and I do hereby 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 ap-  
10 pertains to make and use the same.

This invention relates to fire-escapes; and it consists in the construction and arrangement of parts, as hereinafter more fully described and claimed.

15 In the annexed drawings, illustrating the invention, Figure 1 represents the interior of a room with my improved fire-escape arranged at one side of a window. Fig. 2 represents the fire-escape turned so as to project through  
20 the window and with the ladder let down ready for use. Fig. 3 shows an end view and a longitudinal section of one of the tubular ladder-rounds.

Like letters are used to indicate like parts  
25 in the several views.

The fire-escape consists, essentially, of a bent or curved arm, A, carrying a spool, windlass, or drum, B, to which is attached one end of a rope or chain ladder, C. The arm A is sup-  
30 ported upon a standard, D, that may be fixed to the floor within a room at one side of a window, said arm being attached to the standard in such a manner as to be easily rotated so as to project through the window when the fire-  
35 escape is to be used.

If desired, the standard D may be secured to or form part of some heavy article of furniture, or may be made to form a part of a closet or other fixed or movable article of furniture,  
40 as E, that can be used for concealing the fire-escape when not in use.

The arm A may be supported upon the standard D between collars *a a*, that can be either fixed or adjustable, so that the arm can  
45 be raised or lowered to correspond with the height of the window-sill. When the arm A is turned so as to project through the open window, it may rest upon the window-sill or upon a bracket, *b*, attached to the window-  
50 frame for that purpose.

The ladder C is attached at one end to the spool or windlass B, and consists of a number of tubular rounds, *c c*, that are connected by ropes or chains *d d*, passed through the rounds, so as to cross or pass each other within said  
55 tubular rounds, as shown in Fig. 2. The tubes *c c*, composing the rounds of the ladder, are spread or flared at the ends, as shown in Fig. 3, to form grooves or indentations *e*, that receive the ropes *d*, and thus prevent the rounds  
60 from cutting the rope or turning thereon, no other fastening being needed.

This fire-escape is exceedingly simple in construction and in operation, there being no complicated parts to become disarranged, and  
65 it being only necessary to turn the arm A so that it will project through the open window, when the weight of the ladder C will cause the windlass or drum B to revolve, so as to let the ladder down ready for use. As the arm A,  
70 carrying the spool or windlass B, is bent at one end, it will project through the window at a right angle with the outer side of the wall, and persons can readily ascend or descend the  
75 ladder with safety.

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

1. In a fire-escape, the combination of the standard D, rotating arm A, carrying spool  
80 or drum B, and the rope ladder C, attached to said drum, substantially as shown and described.

2. In a fire-escape, the combination, with the standard D and adjustable rotating arm A,  
85 attached to some fixed or movable article of furniture, as E, of the drum B and rope ladder C, substantially as shown and described.

3. In a fire-escape, the rope ladder C, composed of the tubular rounds *c c*, having flared  
90 ends provided with grooves *e e*, and the ropes *d d*, substantially as shown and described.

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

JOHN MOFFET.

Witnesses:

JOHN DOYLE,

WM. H. ELTING.