

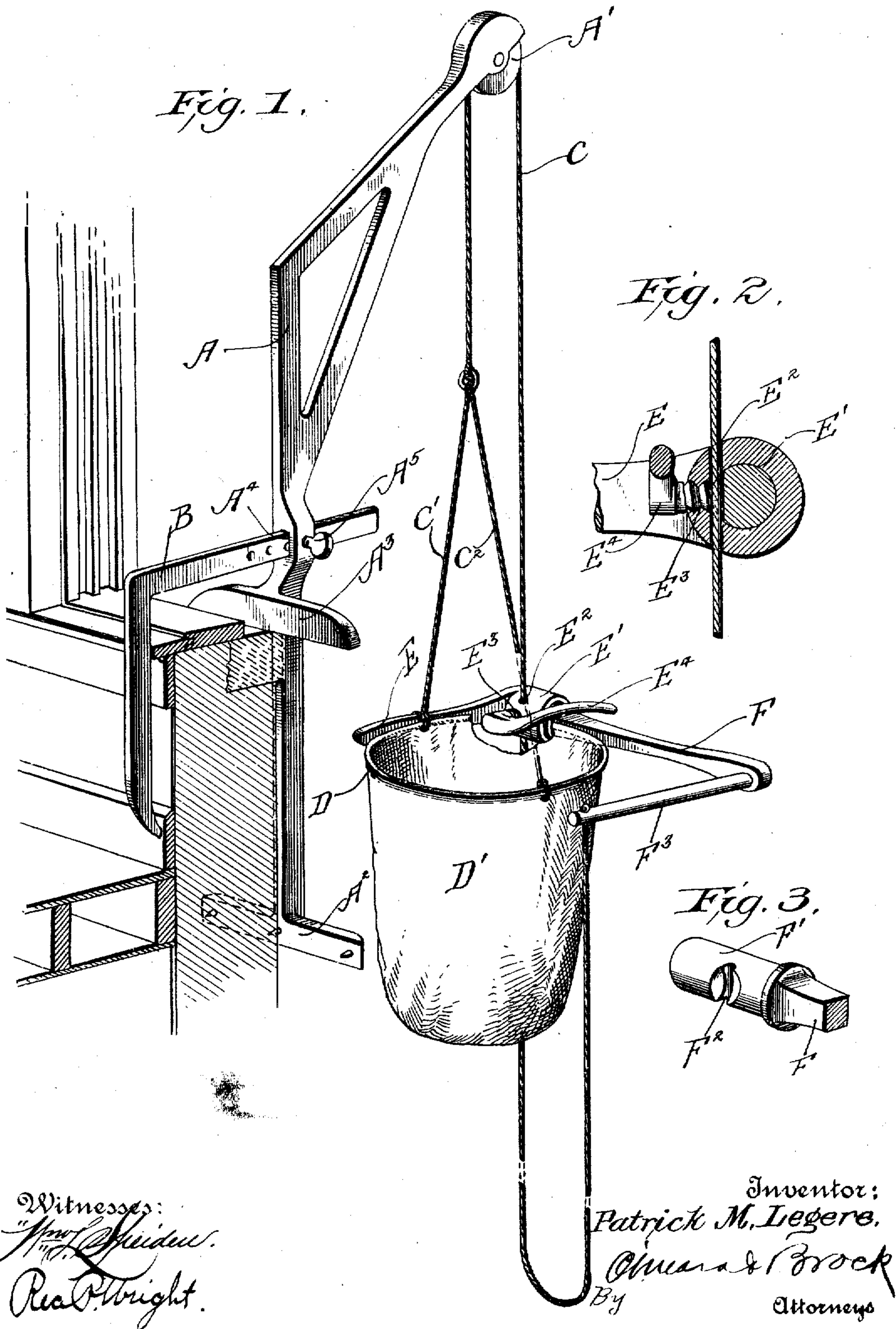
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PATENTED FEB. 26, 1907.

P. M. LEGERE.

FIRE ESCAPE.

APPLICATION FILED OCT. 16, 1905.



UNITED STATES PATENT OFFICE.

PATRICK M. LEGERE, OF BERLIN, NEW HAMPSHIRE.

FIRE-ESCAPE.

No. 845,181.

Specification of Letters Patent.

Patented Feb. 26, 1907.

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To all whom it may concern:

Be it known that I, PATRICK M. LEGERE, a subject of the King of Great Britain, residing at Berlin, in the county of Coos and State of New Hampshire, have invented certain new and useful Improvements in Fire-Escapes, of which the following is a specification.

My invention relates to fire-escapes, and has for its object to provide a device that can be easily and quickly attached to the window and one that is very effective in operation.

Another object of my invention is to provide a fire-escape that is very simple and cheap in construction and one that is under the perfect control of the user at all times.

A further object of my invention is to provide an auxiliary locking means, so that the bag or basket will be securely held while the person is getting in.

With these objects in view my invention consists of the novel construction and arrangement of parts hereinafter more fully described, pointed out in the claims, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of the fire-escape, showing it attached to the window. Fig. 2 is a cross-section through the brake, showing the auxiliary locking means. Fig. 3 is a perspective view of the brake-head.

Referring to the drawings, A indicates the supporting-arm, which is provided with a pulley A' at its upper end and a cross-arm A² at its lower end provided with pins adapted to engage the wall and prevent the arm from slipping. The arm is provided with a cross-arm A³, adapted to rest on the window-sill, which prevents the arm from twisting, and having a slot A⁴ formed midway its length provided with an opening leading into said slot through one of the side walls which is provided with a thumb-screw A⁵, which engages the recess in the hooked arm B, which passes through the window and engages the inside wall and firmly holds the arm A in place.

Passing over the pulley is a copper rope C, one end carrying a ring to which is connected two short pieces C' C² of the same kind of rope, which are connected to a hoop D, carrying the bag D'. The rope C' passes around the hoop and through an opening in the arm E, which is provided with a socket E' at its end provided with a transverse opening E², through which the rope passes. A brake-arm

F, provided with a head F', having a cut-out portion F², is adapted to fit in said socket, the cut-out portion being held normally in alinement with the opening E² and in which the rope C rests. The arm F is provided with a lever F³ at its end, to which the other end of the rope is connected for stopping the bag at a predetermined time and by means of which the cut-out portion is turned in or out of alinement with the opening E², so as to regulate the speed of the bag as desired.

To prevent all danger of the basket starting before the person is ready and to provide means for locking the bag up in a ready position, I provide the socket with a screw-threaded opening E³, leading into the opening E² and provided with a hand-screw E⁴, which is adapted to force the rope up against the head F' and securely hold the rope from passing through.

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

1. In a device of the kind described, the combination with a supporting-arm provided with a pulley, of a rope passing over said pulley, a bag carried by one end of said rope, a brake mounted on said rope adjacent said bag, and a brake-lever connected to the other end of said rope for stopping the bag at a predetermined time, for the purpose described.

2. In a device of the kind described, the combination with a supporting-arm, provided with a pulley, of a rope passing over said pulley, a bag secured to one end of said rope, a brake mounted on said rope connected to said bag, and a brake-arm connected to the other end of said rope for stopping the bag at a predetermined time, for the purpose described.

3. In a device of the kind described, the combination with a supporting-arm provided with a pulley, of a rope passing over said pulley carrying a bag at one end, a brake-socket connected to said end adjacent the bag, an arm provided with a head fitting in said socket, and a lever connected to said arm and to the other end of said rope for stopping the bag at a predetermined time, for the purpose described.

4. In a device of the kind described, the combination with a supporting-arm, provided with a pulley, of a rope passing over said pulley, a bag secured to one end of said rope, an arm provided with a socket secured

to said rope adjacent said bag, a brake-head mounted in said socket provided with a lever-arm connected to the end of said rope for stopping the bag at a predetermined time
5 and locking means connected to said socket, for the purpose described.

5. In a device of the kind described, the combination with a supporting-arm provided with a pulley, of a rope passing over
10 said pulley carrying a bag at one end, a brake-socket provided with a transverse opening, connected to said end adjacent the bag through which the rope passes, an arm provided with a head having a cut-out
15 portion arranged in said socket, a lever connected to a lever carried by said arm and to the end of the rope for stopping the bag at a predetermined time, and locking means carried by said socket, for the purpose described.

6. In a device of the kind described the
20 combination with a supporting-arm provided with a pulley, of a rope passing over said pulley, a bag connected to one end of said rope and an arm connected to said bag provided with a socket at its end having a
25 transverse opening formed therethrough, an arm provided with a head at one end, mounted in said socket provided with a cut-out portion, a lever secured to the end of said arm, the other end of said rope passing
30 through the transverse opening in the socket having its end connected to the end of the lever for stopping the bag at a predetermined time for the purpose described.

PATRICK M. LEGERE.

Witnesses:

EDMUND SULLIVAN,
ISAAC BAUCHER.