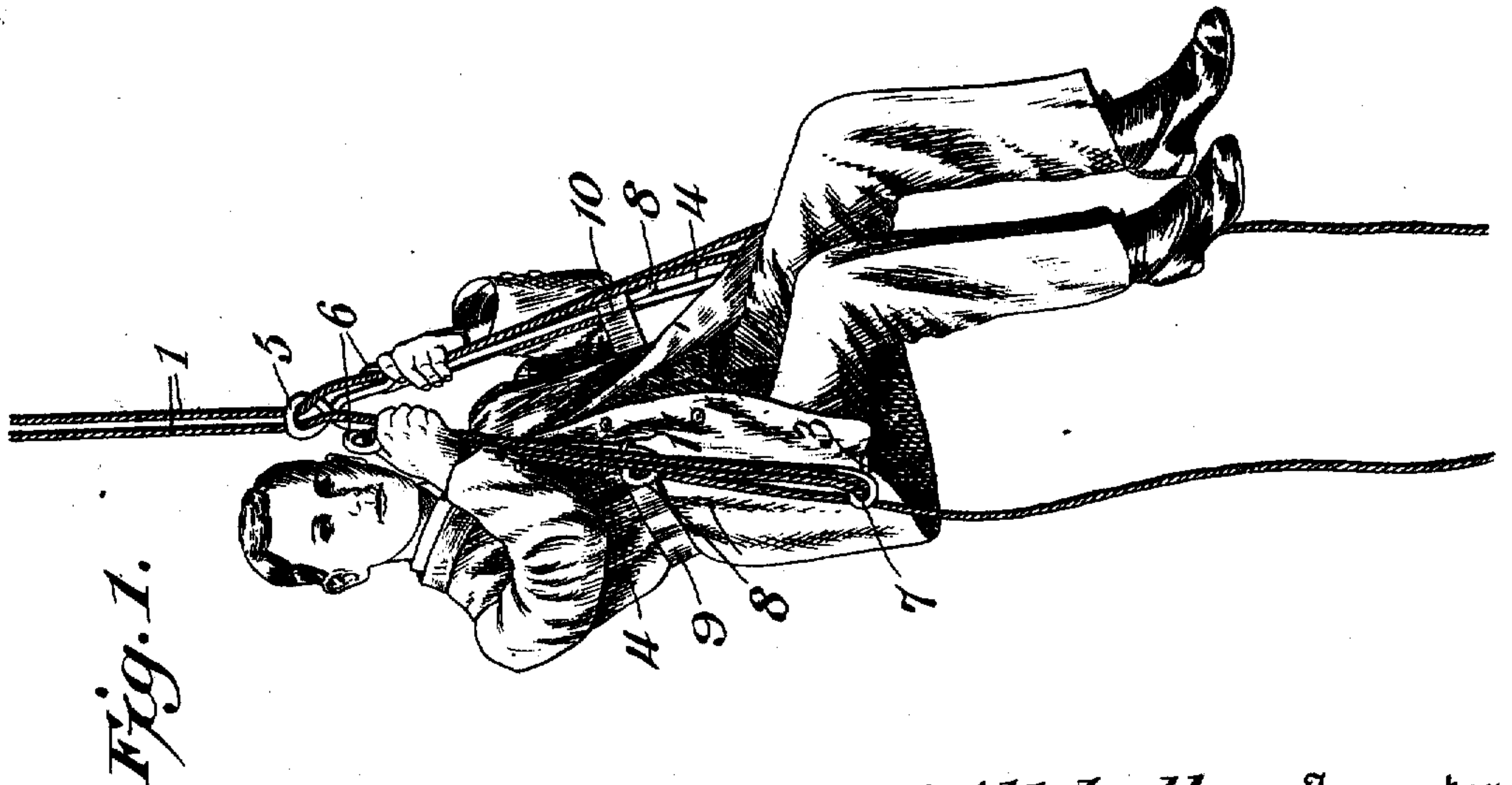
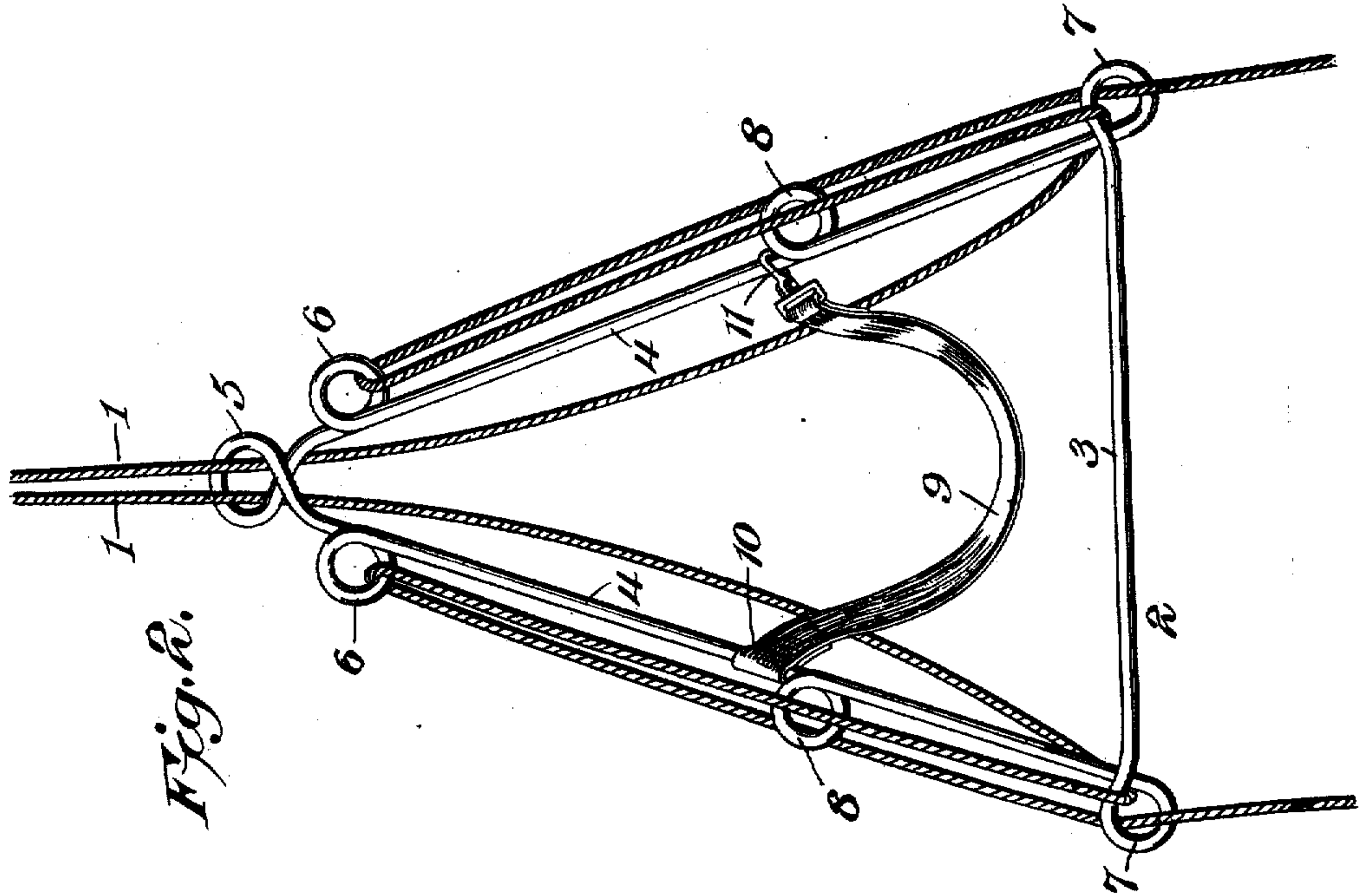


A. ALTSTADTER.
FIRE ESCAPE.
APPLICATION FILED JUNE 25, 1908.

Patented Mar. 23, 1909.

916,247.



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UNITED STATES PATENT OFFICE.

ALBERT ALTSTADTER, OF HUNTINGTON, INDIANA.

FIRE-ESCAPE.

No. 916,247.

Specification of Letters Patent.

Patented March 23, 1909.

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To all whom it may concern:

Be it known that I, ALBERT ALTSTADTER, a citizen of the United States, residing at Huntington, in the county of Huntington and State of Indiana, have invented a new and useful Fire-Escape, of which the following is a specification.

The invention relates to improvements in fire escapes.

10 The object of the present invention is to improve the construction of fire escapes, and to provide a simple, inexpensive and efficient fire escape, adapted to be compactly stored in a room or apartment when not in use and 15 capable of being quickly arranged for use and of being easily controlled and operated for enabling a person to lower himself safely to the ground as slowly or rapidly as desired.

A further object of the invention is to provide a fire escape having exceedingly simple 20 controlling means devoid of brakes or locking devices liable to get out of order, or requiring skill for their manipulation.

With these and other objects in view, the 25 invention consists in the construction and novel combination of parts hereinafter fully described, illustrated in the accompanying drawing, and pointed out in the claims hereto appended; it being understood that various 30 changes in the form, proportion, size and minor details of construction, within the scope of the claims, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

35 In the drawing:—Figure 1 is a perspective view of a fire escape, constructed in accordance with this invention. Fig. 2 is an elevation of the same.

40 Like numerals of reference designate corresponding parts in all the figures of the drawing.

The fire escape comprises in its construction a pair of ropes or cables 1 and a substantially triangular frame 2, constructed of steel 45 or other suitable material, and composed of a horizontal bottom rod or portion 3 and upwardly converging inclined sides 4. The frame is provided at the top or apex with a top guiding eye 5 through which both of the 50 ropes or cables pass, and the sides are equipped with upper, lower and intermediate eyes 6, 7 and 8. The frame is preferably formed of a piece of rod metal, united at its ends and coiled or twisted at the top or apex of the frame to 55 form an enlarged guiding eye. The rod is also coiled or bent to form the upper, lower

and intermediate eyes, and all of the said eyes are arranged exteriorly of the frame.

The ropes or cables are rove through the eyes of the sides, each side rope or cable extending downward from the top guiding eye 5 to the bottom guiding eye 7 and then passing upward longitudinally of the side to the upper guiding eye 6, and then downward to the bottom guiding eye. The lacing of the 65 ropes or cables through the eyes creates sufficient friction to enable the descent of the device to be easily and conveniently controlled by grasping the ropes and the sides of the frame. By loosening the grip the person using the fire escape may descend as 70 rapidly as desired. A slight tightening of the grip on the ropes or cables and the frame will check the downward movement of the device. 75

The lower rod or member 3 of the frame constitutes the seat; and the device is equipped at a point between its top and bottom with a back band or support 9 of webbing, or other suitable material permanently 80 secured at its end 10 to one side of the frame and equipped at its other end with a snap hook 11 for engaging the other side of the frame. The end 10 of the webbing is preferably doubled to form a loop or eye to receive 85 the adjacent side of the frame, and the snap hook detachably engages the opposite side of the frame. Any other suitable means, however, may be employed for connecting the back band or support to the sides of the 90 frame. The back band or support is adapted to extend around a person sitting on the lower bar or member 3 of the triangular frame, and it will enable the fire escape to be used with perfect safety. The intermediate 95 eyes 8 of the inclined sides of the frame are located below the ends of the back band or support to prevent the same from slipping downward on the sides of the frame.

The ropes or cables depend from the bottom of the frame to the ground, and the 100 descent of the frame may be controlled from the ground by holding one or both of the ropes more or less tight. The upper ends of the ropes or cables are designed to be suitably anchored, and a person may easily 105 lower himself from a window, or other elevated point with perfect safety.

Having thus fully described my invention, what I claim as new and desire to secure by 110 Letters Patent, is:—

1. A fire escape including a pair of ropes or

cables, and a frame composed of spaced sides and a connecting portion forming a seat, said sides being provided with guiding means and the ropes being spaced apart and rove through the guiding means.

2. A fire escape including a frame having spaced sides and a connecting portion forming a seat, said sides being provided with spaced guiding means, a back band or support connected with the sides above the seat, and ropes or cables spaced apart and rove through the guiding means of the sides.

3. A fire escape including a frame having spaced sides and provided with a connecting bottom portion forming a seat, said frame being provided at the top with a guide and having spaced guides at the said sides, and a pair of ropes or cables passing through the top guide and spaced apart below the same, the upper portion being rove through the guiding means of the sides of the frame.

4. A fire escape including an approximately triangular frame composed of inclined sides, and a connecting bottom portion forming a seat, said frame being provided at the top with a guiding eye and having opposite spaced guiding eyes located adjacent to the terminals of the sides of the frame, and a pair of ropes or cables

passing through the top guiding eye and rove through the spaced eyes.

5. A fire escape including an approximately triangular frame provided at the top with a guiding eye and having upper, lower and intermediate eyes at the sides, a pair of ropes or cables passing through the top guiding eye and rove through the upper and lower eyes of the sides of the frame, and a back band or support connected with the sides of the frame above the intermediate eyes.

6. A fire escape including an approximately triangular frame consisting of a rod bent to form an enlarged top guiding eye at the apex of the frame and coiled at opposite sides to form exteriorly arranged eyes, and a pair of ropes or cables both of which extend through the top guiding eye, said ropes or cables being spaced apart below the upper guiding eye and rove through the other eyes.

In testimony, that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT ALTSTADTER.

Witnesses:

EDGAR E. KELSEY,
J. B. KENNER.