

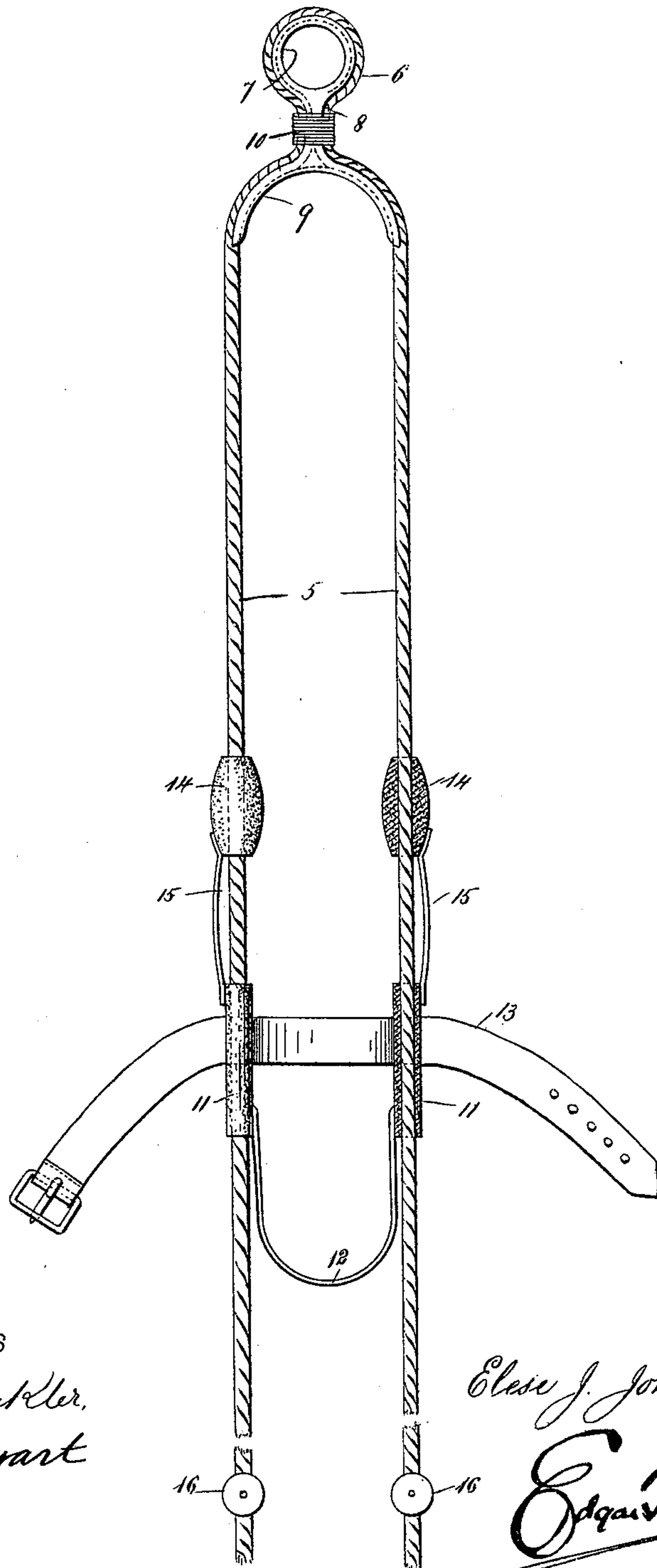
No. 637,339.

Patented Nov. 21, 1899.

E. J. JOHNSON.
FIRE ESCAPE.

(Application filed May 10, 1899.)

(No Model.)



WITNESSES

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FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 637,339, dated November 21, 1899.

Application filed May 10, 1899. Serial No. 716,194. (No model.)

To all whom it may concern:

Be it known that I, ELESE JOSOPHINA JOHNSON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Fire-Escapes, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to fire-escapes; and the object thereof is to provide an improved device of this class which is simple in construction and comparatively inexpensive and which may be suspended from a hook secured to a window-frame or other support and by means of which a party may quickly, easily, and safely descend from the window of a building.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, said drawing being a front elevation of my improved fire-escape, part of the construction being in section.

In the drawing forming part of this specification the separate parts of my improvement are designated by numerals of reference, and in the practice of my invention I provide a rope 5, which is folded centrally and formed into a loop or ring 6, which is preferably mounted on a metal ring 7, provided with a peripheral groove, a shank 8, and a yoke-shaped bottom portion 9, grooved in a manner similar to that of the ring 7, and the rope 5 is secured to the shank of the ring 7, as shown at 10; but this part of the construction, however, may be varied as desired, all that is necessary being to fold the rope centrally and provide a loop or ring by which it may be suspended from a hook or other support. I also provide a carriage or holder, which consists of two tubes 11, which are mounted on the separate side portions of the rope 5 and which are adapted to slide thereon and which may be composed of any desired material, and secured to the lower ends of the tubes 11 is a strong strap 12, which forms a seat, and secured to the upper portions of said tubes is a strap 13, which is adapted to be buckled around the body beneath the arms.

Mounted on the separate sides of the rope 5, above the tubes 11, are short sleeves 14,

which are adapted to be grasped by the hands and which are composed of rubber, soft leather, or any other suitable material and adapted to be compressed by the hands, so as to form a brake to regulate the downward movement of the carriage or support, and the sleeves 14 are connected with the tubes 11 by strong straps 15.

The operation will be readily understood from the foregoing description when taken in connection with the accompanying drawing and the following statement thereof.

The device is suspended from a hook or other support secured to the window-frame, and the party desiring to escape from the building or other structure buckles the strap 13 around the body, beneath the arms, and grasps the sleeves 14, one in each hand, and sits upon the strap 12. By gripping the sleeves 14 firmly the carriage or support may be held stationary on the rope 5 or the separate sides thereof; but by slightly relaxing the grip on said sleeves the carriage or support will descend, as will be readily understood. The rope or ropes 5 are also provided at a predetermined distance from the lower ends thereof, preferably about three or four feet, with stops 16 to limit the downward movement of the carriage and prevent the same from striking the ground, and these stops may be connected with the rope or ropes in any desired manner.

This device is simple in construction and operation and perfectly adapted to accomplish the result for which it is intended, and it will be apparent that changes in and modifications of the construction described may be made without departing from the spirit of my invention or sacrificing its advantages.

Instead of employing a single rope and folding it in the middle, as herein shown and described, two separate ropes may be employed and connected with a support consisting of a hook or ring, and the separate sides of the rope 5, as shown in the drawing, constitute, as will be understood, two separate ropes in effect.

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

1. The combination with the side ropes of a fire-escape, of a carriage or holder mounted

thereon and adapted to slide thereon, said carriage or holder consisting of two tubes, one of which is mounted on each of the side ropes, a strap connected with the upper portions of said tubes and adapted to be buckled
5 around the body, another strap connected with the lower ends of said tubes and adapted to serve as a seat, and compressible sleeves mounted on said side ropes above said tubes
10 and connected with said tubes and adapted to be grasped and compressed by the hands, substantially as shown and described.

2. The combination with the side ropes of a fire-escape, of a carriage or holder mounted
15 thereon and adapted to slide thereon, said carriage or holder consisting of two tubes, one of which is mounted on each of the side ropes, a strap connected with the upper por-

tions of said tubes and adapted to be buckled around the body, another strap connected
20 with the lower ends of said tubes and adapted to serve as a seat, and compressible sleeves mounted on said side ropes above said tubes and connected with said tubes by flexible devices and adapted to be grasped and com-
25 pressed by the hands, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 8th day
30 of May, 1899.

ELESE JOSOPHINA JOHNSON.

Witnesses:

F. A. STEWART,
V. M. VOSLER.