(No Model.)

C. J. SAVITZ.

FIRE ESCAPE.

No. 288,122. Patented Nov. 6, 1883.

FIG. 1.

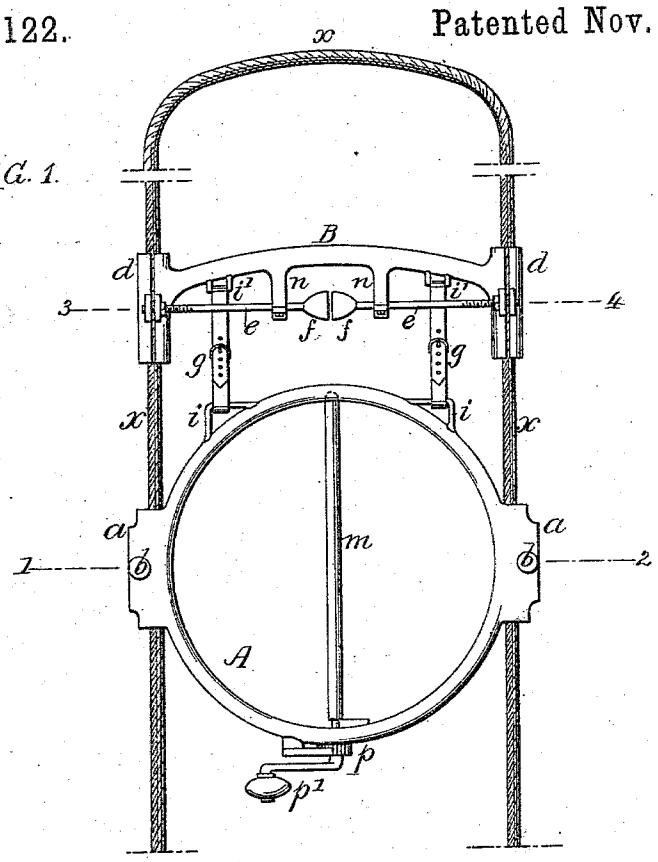


FIG. 3.

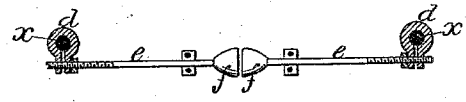
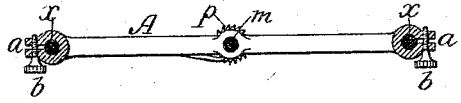


FIG. 2



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UNITED STATES PATENT OFFICE.

CHARLES J. SAVITZ, OF ALLENTOWN, PENNSYLVANIA.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 288,122, dated November 6, 1883.

Application filed April 13, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHARLES J. SAVITZ, a citizen of the United States, residing in Allentown, Lehigh county, Pennsylvania, have invented certain Improvements in Fire-Escapes, of which the following is a specification.

My invention relates to that class of fire-escapes in which a sliding carrier and adjustable rope-clamps, under the control of the person escaping, are combined with a rope or ropes to be secured to some object inside of the room and suspended from the window-sill; and the object of my invention is to construct a simple and easily-operated escape of this character, as more fully described hereinafter.

In the accompanying drawings, Figure 1 is a face view of my improved fire-escape. Fig. 2 is a section on the line 1 2, Fig. 1. Fig. 3 is a section on the line 3 4, Fig. 1.

The carrier or support A for the body of the person escaping is shown in this instance as being in the shape of a ring having at opposite sides split sockets *a a*, provided with adjusting-screws *b b*. Through these sockets *a a* pass the two pendent portions of the rope *x*, which is wound around any suitable object in the room from which the descent is to be made.

A bar, B, is attached to the ring A by straps *g g*, hung to loops *i* and *i'* on the ring and bar. At each end of the bar B is a split socket or sleeve, *d*, provided with lugs, one of which is threaded and the other plain for the reception of the threaded end of a rod, *e*, having its bearings in arms *n* on the bar B. Cone-shaped handles *f* are provided at the adjoining ends of the rods *e e*, adapted to be grasped in one hand by the person descending on the escape.

A rope, drum, or shaft, *m*, may be mounted vertically or transversely in the carrier-ring A, to wind up the rope *x* when the escape is not in use, and for this purpose the shaft *m* is provided with a pawl and ratchet, *p*, and crank-handle *p'*.

In using the escape, a central portion of the rope is first wound around any convenient and secure object in the room from which the descent is to be made. Then the ends of the rope are passed through the split clamping-sockets *d d* and *a a* and the ends of the rope hung out of the window. The screws *b* having been turned to tighten the clamps *a* to apply sufficient friction to almost support the weight of the carrier A and the person, the latter places himself in the carrier, and by grasping the handles *f f* can regulate the rapidity of the descent of the carrier on the ropes by thus turning the screw-rods *e* and tightening or releasing the clamping-sockets *d*. By using but one rope with two pendent ends and looping its center round some object in the room, one end of the rope after the carrier reaches the ground may be released from its clamps *b d*, and the whole rope may be thus readily pulled down.

I claim as my invention—

1. The combination of the rope or ropes of a fire-escape with a carrier consisting of a ring, A, having split clamp-sockets *a a*, substantially as described.

2. The combination of the rope or ropes of a fire-escape and a carrier, A, having opposite split clamp-sockets, *a a*, with the bar B, from which the said carrier is suspended, and which has opposite screw-clamps, *d d*, as set forth.

3. The combination of the carrier-bar B of a fire-escape, having clamping-sockets *d*, with screw-rods *e*, having handles *f f* at their adjoining ends, as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES J. SAVITZ.

Witnesses:
EDWARD RUHE,
E. J. LICHTENWAHN.