J. C. PEPPLER.

FIRE-ESCAPE.

No. 191,777. Patented June 12, 1877.

Fig. 3.

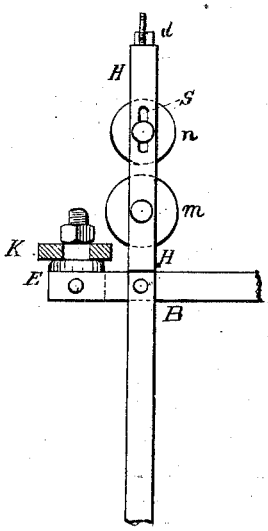


Fig. 4.

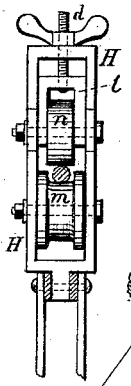


Fig. 1.

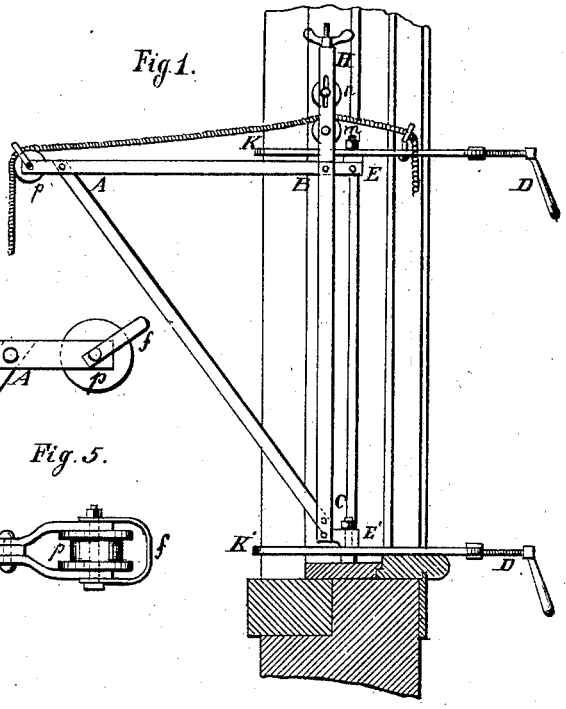
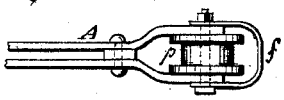


Fig. 5.



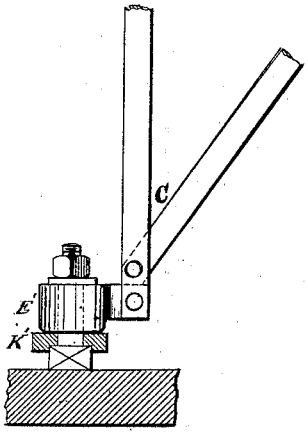
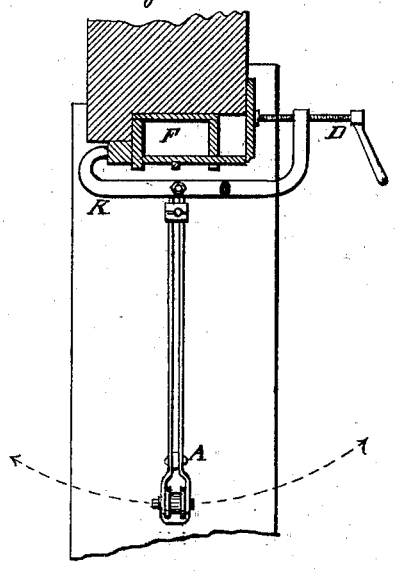


Fig. 2.



Witnesses:
Paul Schall
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Inventor
John C. Peppler

UNITED STATES PATENT OFFICE.

JOHN C. PEPPLER, OF COLUMBUS, OHIO.

IMPROVEMENT IN FIRE-ESCAPES.

Specification forming part of Letters Patent No. **191,777**, dated June 12, 1877; application filed August 28, 1876.

To all whom it may concern:

Be it known that I, JOHN C. PEPPLER, of Columbus, State of Ohio, have invented a Rescue Apparatus, of which the following is a specification:

The object of my invention is to furnish a device by which persons and furniture articles can be saved through windows from upper stories of buildings in cases of fire; and the same consists, principally, in a crane, A B C, hinged to and held by two clamps, K K′, fastened to the window-frame by screws D, with a rope running over a pulley at the projecting end of the crane, and between two pulleys, *m* and *n*, placed one above the other, the upper one of which is adjustable, so that the rope can be pressed between the pulleys, and any weight hanging on the free end of the rope will slide down more or less slowly without falling.

Figure 1 in the accompanying drawing is a side view of the apparatus fastened to the window-frame and turned to the outside. Fig. 2 is a horizontal section of the window, showing the clamp K firmly secured to the window-frame F by the screw D. Fig. 3 illustrates the crane itself more in detail, on a larger scale. Fig. 4 is a front view of the upper part H H, carrying the pulleys *m* and *n*. Fig. 5 is a plan view of the projecting end of the crane, with the pulley *p* and a strap, *f*, bent in the shape of a stirrup, and serving as a guide to the rope.

The crane A B C, Fig. 3, is attached to the clamps K K′ by hinges E E′, connected with or forming part of the crane and bolt-screws, in the manner indicated, the head of the hinge-bolt at the foot C resting on the window-sill, as per drawing.

The pulleys *m* and *n*, Figs. 3 and 4, are held by a frame, H, connected with the crane at B. The upper pulley *n*, which is of rubber or any other elastic material, can be lowered or raised by means of a thumb-screw, *d*, acting on a fork-shaped sliding piece, *l*, the bolt on which the pulley turns extending through the sides of the frame H, and moving in slots *s*.

When the apparatus is to be applied, the clamps K K′ are fastened to the window-frame (the lower window-sash being raised) by the screws D. The person or object to be let down is attached to the free end of the rope, or to a hook or basket connected therewith, after the thumb-screw *d* is set, which presses the rope between the pulleys *m* and *n*, so that the object attached to it slides down without falling, and the rope need not be held by anybody.

It is evident that this apparatus has many uses besides the one above named, as, for instance, hoisting up objects from the street, &c.

I claim as my invention, and wish to secure by Letters Patent—

1. The crane A B C, detachably hinged to two clamps, K K′, screwed to the side of a window-frame, substantially as described, and for the purpose set forth.

2. The combination of the crane A B C with a pulley-block, H, with two pulleys, *m* and *n*, the upper one, *n*, of elastic material, being adjustable by the thumb-screw *d* to admit of squeezing the rope between the pulleys, so as to let it pass more or less freely, substantially as herein described, and for the purpose set forth.

JOHN CASPER PEPPLER.

Witnesses:
THEODORE JASPER,
PAUL SCHALL.