

(No Model.)

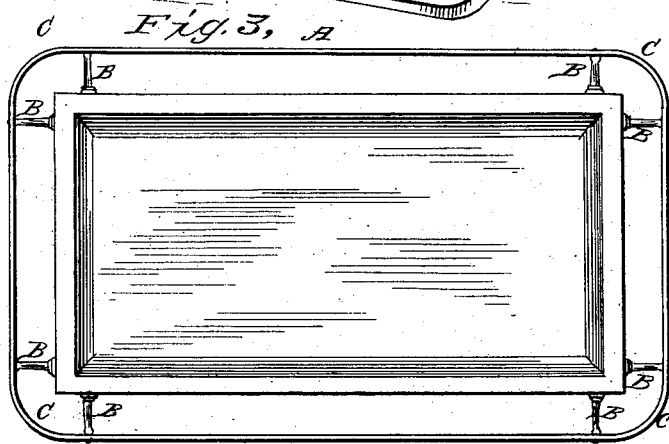
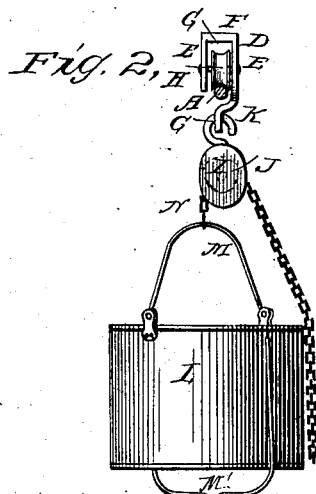
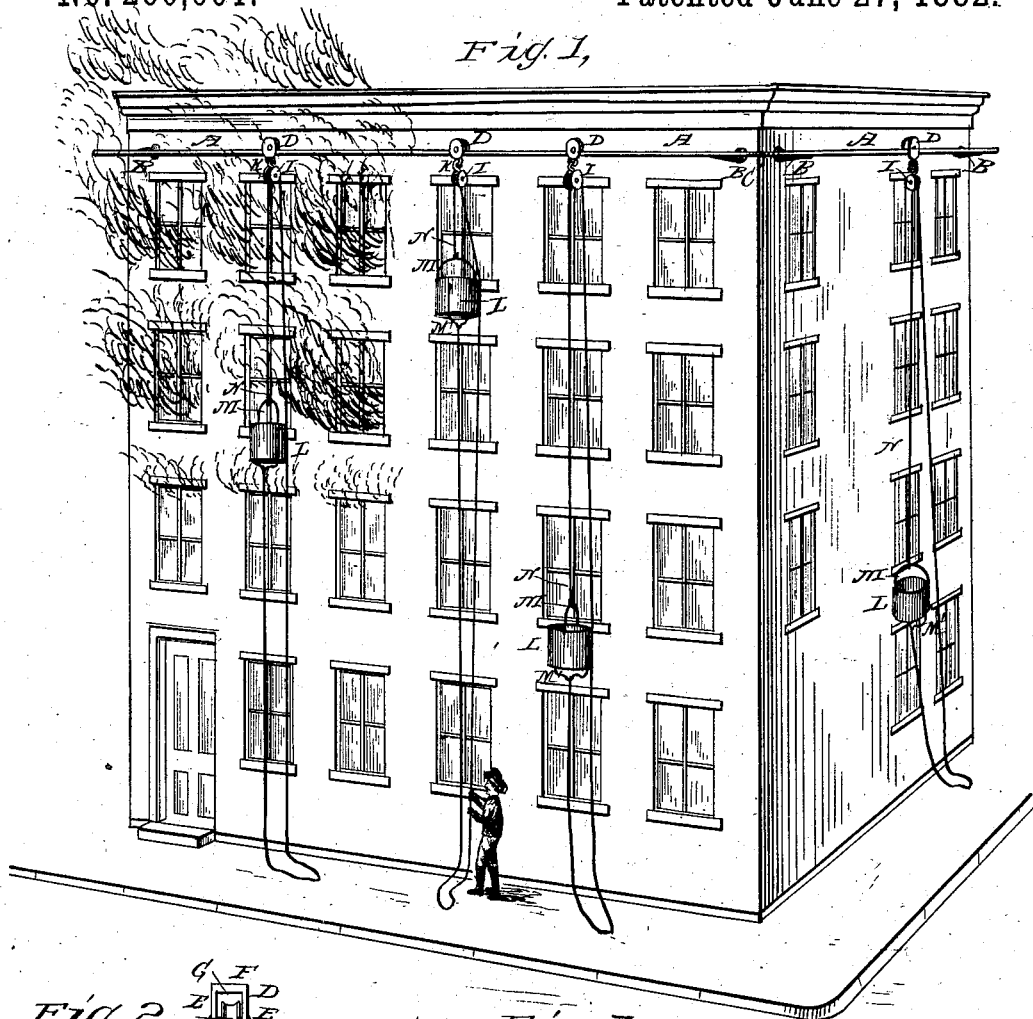
W. H. & F. C. BURDEN.

FIRE ESCAPE.

No. 260,001.

Patented June 27, 1882.

Fig. 1,



WITNESSES:

*Wm. L. Dutcher*  
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INVENTORS

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# UNITED STATES PATENT OFFICE.

WILLIAM H. BURDEN AND FREDERICK C. BURDEN, OF CLEVELAND, OHIO.

## FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 260,001, dated June 27, 1882.

Application filed March 25, 1882. (No model.)

*To all whom it may concern:*

Be it known that we, WILLIAM H. BURDEN and FREDERICK C. BURDEN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Fire-Escapes; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention has for its object to provide a simple, inexpensive, convenient, easily operated, and efficient fire-escape.

To this end it consists in certain improvements in the construction and arrangement of parts, substantially as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of a building provided with our improved fire-escape. Fig. 2 is a detail view of the latter; and Fig. 3 is a top or plan view, on a reduced scale, of the building.

Referring by letter to the drawings, A designates a horizontal track, arranged entirely or part of the way around the building, and preferably at the top thereof. The track is supported at some distance from the walls of the building by braces or brackets B or any other suitable means, and is curved where it turns the corners, as shown at C.

D is a hanger or carriage consisting of two plates or straps, E E, connected at their top F, and having a loop or eye, G, formed at the bottom of one of the plates or straps, between which latter is journaled a wheel or roller, H, running on the track A.

I is a block in which is journaled a pulley, J, the block being provided at its top with a hook, K, adapted to be inserted in the eye G of hanger D, to connect the latter and the pulley-block together.

L designates the car or basket, which is constructed of some light material, preferably wire or rope, and is provided with a bail, M, to which is attached a chain or rope, N, which passes up over the pulley J, and then down, with its end secured to a bail, M', at right angles to the upper bail, M, and on the under side of the car or basket. When the end of the rope attached to the lower bail is drawn to pull the car from contact with the flames

or any burning portion of the building the upper bail, being at right angles thereto, will remain vertical, the car being thus retained in a horizontal position. Should the bails be arranged on the same upright plane, the car would be apt to turn to an inclined position when the lower bail was drawn on, thus endangering the occupants of the car.

It is obvious that numerous modifications may be made in the construction of the different parts without departing from the spirit of our invention—as, for instance, the carriage D may be provided with a series of rollers, or these may be omitted altogether and the carriage arranged to slide on the track.

The operation and advantages of our invention will be readily understood by reference to the foregoing description and annexed drawings. In case of fire the car may be quickly elevated to the desired floor of the building by pulling the chain or rope at its lower end, and kept from the flames and properly guided by the branch of rope N, extending up to the bail M', and may be run along the track from window to window until all the occupants are speedily and safely transported to the ground. In like manner the firemen and hose may be elevated to any desired point.

Of course any number of cars may be provided, and when not in use we prefer to keep them in some convenient closet or receptacle, so arranged that when the car is put into service an alarm will be sounded to warn the inmates of the building.

Having thus described our invention, we claim and desire to secure by Letters Patent of the United States—

In a fire-escape, the combination, with the car or basket having a bail at its top and a bail at its bottom, arranged at right angles to the one at its top, of the continuous elevating chain or rope secured to the top bail, and passing up over a suitable hanger and down, and secured to the lower bail, so that the car can be conveniently guided and held from contact with the fire, as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

WILLIAM HENRY BURDEN.  
FREDERICK CHEEVER BURDEN.

Witnesses:

JOHN B. COFFINBERRY,  
HAMILTON ROOSA.