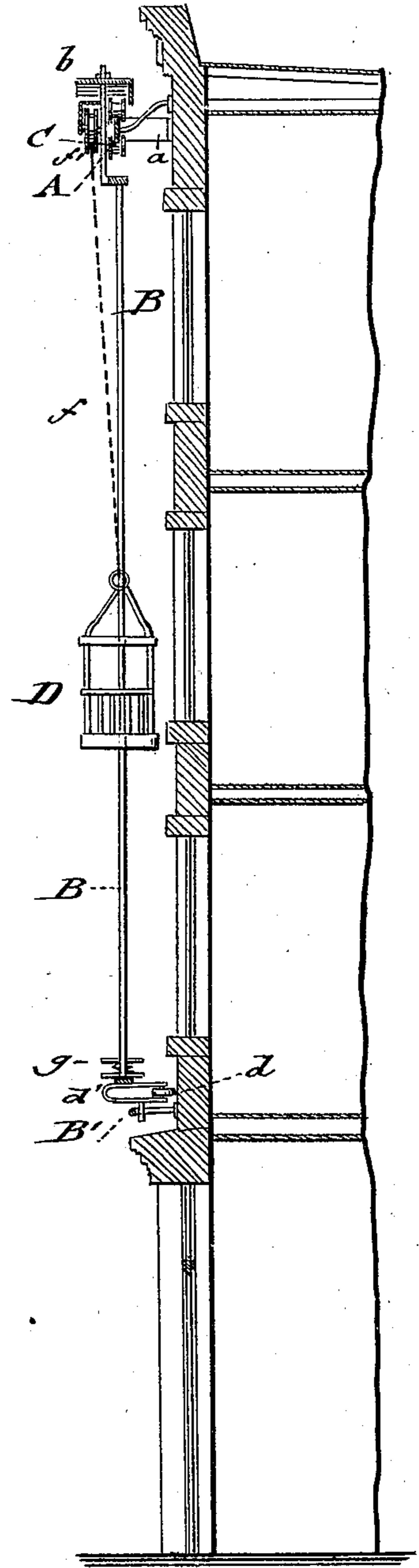
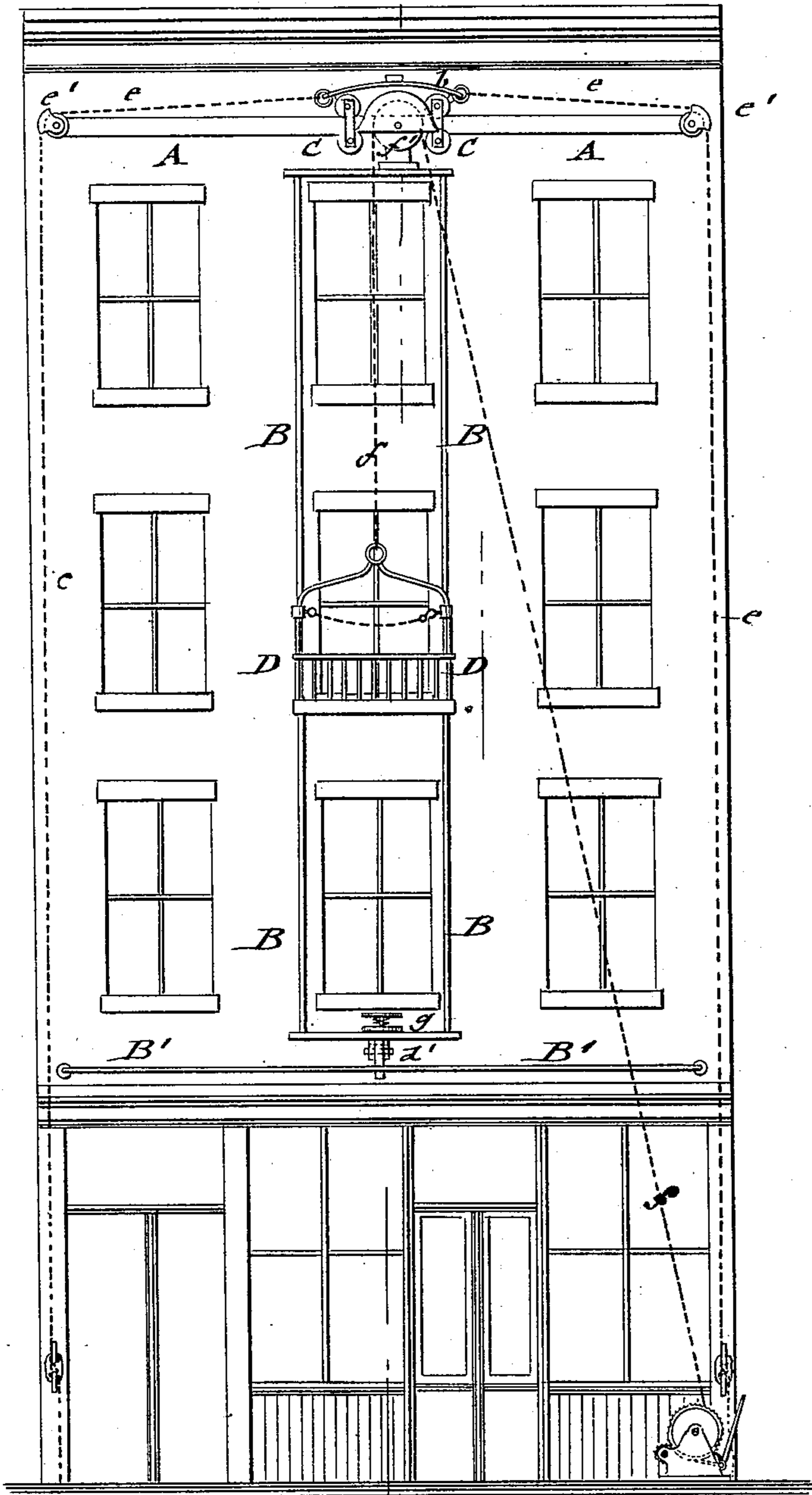


(No Model.)

J. KELLNER.
FIRE ESCAPE.

No. 256,004 *fig: 1.* *x*

Patented Apr. 4, 1882,
fig: 2.



WITNESSES:

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JOSEPH KELLNER, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO HIMSELF,
HENRY SIEDENTOP, AND PETER NICOLAY, OF SAME PLACE.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 256,004, dated April 4, 1882.

Application filed January 27, 1882. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH KELLNER, of Jersey City Heights, in the county of Hudson and State of New Jersey, have invented certain
5 new and useful Improvements in Fire-Escapes, of which the following is a specification.

This invention has reference to an improved fire-escape for public and private buildings, such as hotels, apartment and tenement houses,
10 &c.; and it consists of a fixed rail supported on brackets below the cornice of the building, from which a traversing guide-frame is suspended by means of traveling hangers. The lower part of the guide-frame travels by a con-
15 tact-roller along the wall of the building, and is retained by a guard-rail arranged above the first story. The guide-frame is traversed in either direction by means of wire ropes or chains, which are guided over pulleys and
20 wound up by suitable means, so as to place the frame in line with any desired vertical tier of windows. A vertically-movable safety-basket is raised or lowered on the vertical guide-frame by a suitable hoisting device to the exact win-
25 dow desired. The lower part of the guide-frame is provided with a spring-acted cushion-plate, by which the concussion of the basket is softened.

In the accompanying drawings, Figure 1 represents a front elevation of my improved fire-escape, and Fig. 2 is a vertical transverse section of the same on line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts.

35 In the drawings, A represents a horizontal guide-rail, which is attached by strong brackets *a* to the wall of the building, below the cornice of the same. From the rail A is suspended a traversing guide-frame, B, by means of a carriage or hangers, C, which are provided with
40 a top plate or inclosing casing, *b*, for protecting it against the rain. The traversing guide-frame B is made of strong side rods, preferably formed of gas-pipe, and of transverse top and bottom pieces, the lower part of the guide-
45 frame being guided along the wall of the building by means of a horizontal roller, *d*, which is supported in a bracket, *d'*, of the bottom piece, and retained by a fixed guard-rail, B',
50 applied to the wall of the building above the

first story. The guide-frame B is traversed in either direction by means of chains or wire ropes *e e*, which are attached to each end of the carriage C and passed over guide-pulleys *e'* at the ends of the top rail, A, said pulleys
55 having guards to prevent the chains or wire ropes from escaping from the pulleys.

By winding up the lower ends of the chains or wire ropes *e e* upon a drum or other suitable mechanism the vertical guide-frame is
60 moved along the wall of the building to any position required. The fixed top rail, A, may also be extended in a curve around the corners of the building to the side walls thereof, in which case the carriage has to be made of
65 two articulated portions, so as to pass with the guide-frame around the corners of the building.

On the vertical rods of the guide-frame B is guided a safety-basket, D, which is of sufficient
70 size to accommodate several persons, the basket D being raised by a hoisting rope, chain, or other hoisting-gear, which passes over the pulley *f'* of the carriage C, and is retained at any desired height of the building by suitable
75 means.

By means of the traversing guide-frame and hoisting-gear the basket D may be raised and retained at any window of any story, so as to
80 take up persons or articles to be saved, the basket being then lowered along the guide-frame. The basket may also be used by the firemen to get as near as possible to the fire. The transverse bottom piece of the guide-frame B is provided with a spring-cushion, *g*, for the
85 purpose of softening the concussion of the basket when the same arrives at the lowermost position on its guide-frame. In connection with the basket is used a ladder or other means, which is lowered so as to establish the connec-
90 tion with the ground.

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

1. In a fire-escape, the combination of fixed top and bottom guide-rails, a traversing guide-
95 frame, means for moving the same in either direction on the guide-rails, a vertically-movable safety-basket guided on the traversing-frame, and means for hoisting or lowering the basket, substantially as described.

2. In a fire-escape, the combination of a vertical traversing guide-frame, having a spring-cushioned plate at the lower part, with a vertically-movable safety-basket and means for hoisting or lowering the same, substantially as set forth.

In testimony that I claim the foregoing as

my invention I have signed my name in presence of two subscribing witnesses.

JOSEPH KELLNER.

Witnesses:

PAUL GOEPEL,
CARL KARP.