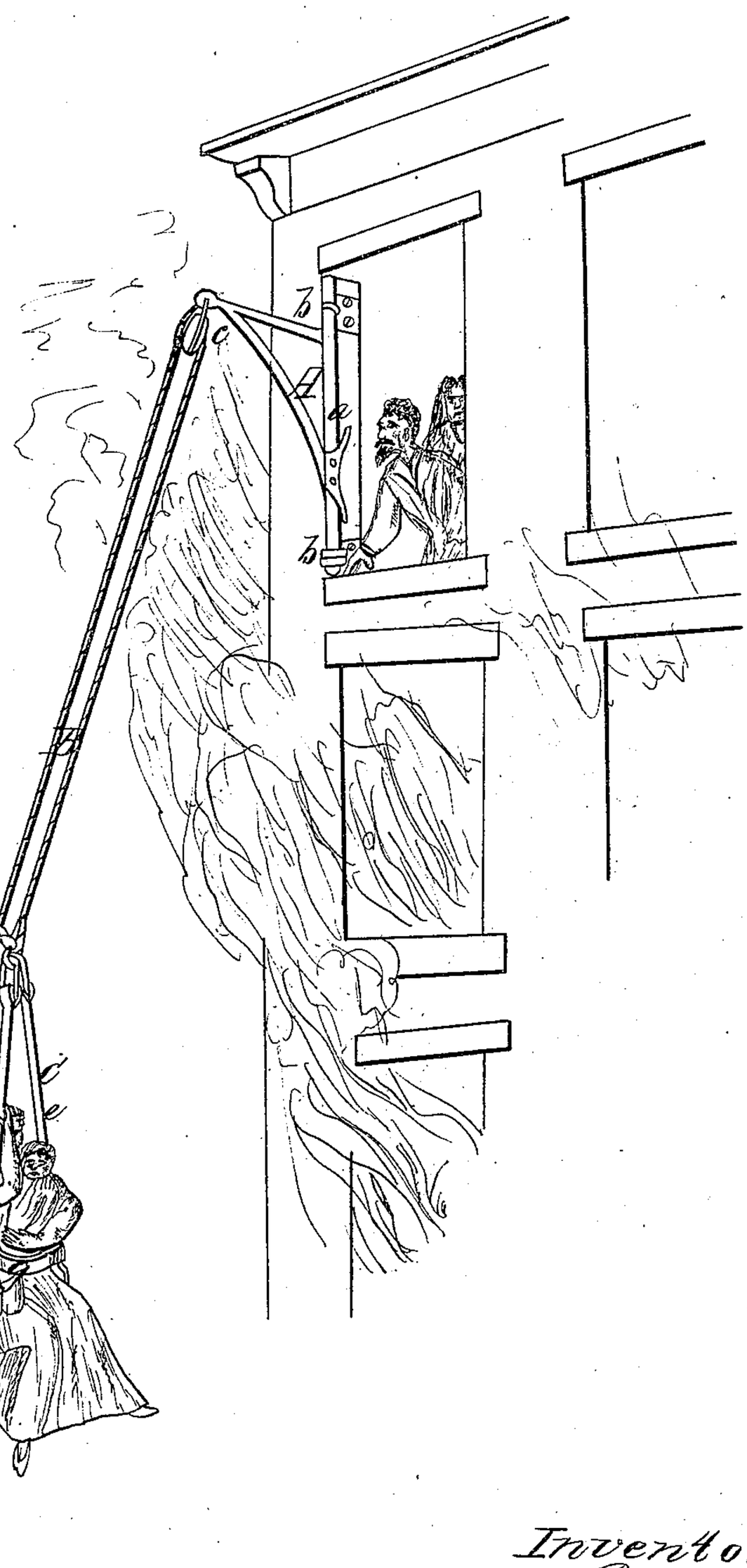
A. Robinson.

Fire Escape.

No. 76,627. Patented Apr. 7, 1868.



Witnesses,
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AZARIAH ROBINSON, OF NEW YORK, N. Y.

Letters Patent No. 76,527, *dated April* 7, 1868.

IMPROVED FIRE-ESCAPE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, AZARIAH ROBINSON, of the city, county, and State of New York, have invented a new and improved Fire-Escape; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention has for its object a ready means for lowering persons and goods from a burning building, thereby saving life and property.

The invention is applicable to any building or dwelling, but is more especially designed for large tenement-houses, which have a great number of inmates, and the conflagration of which is almost invariably attended with loss of life and considerable property.

The accompanying drawing represents a perspective view of a dwelling with my improvement applied to it.

My invention consists of a crane, A, constructed of iron, and having its standard or post *a* fitted in bearings *b*, which are firmly secured to one side of a window, the post *a* being allowed to turn freely in its bearings. Any suitable number of these cranes may be used, but one crane to each floor of the building will probably be all that is necessary.

To the outer end of the crane A there is suspended, by a hook or otherwise, a sheave or block, *c*, through which a rope, B, passes, and to one end of this rope there is attached a hook, *d*, and also a chair, C. The hook *d* may be of ordinary construction, and is designed to catch and work over the rope B, so as to keep the chair C near it in its descent to the ground, and during its elevation up to the window. This is necessary in those cases where a fire in a building gets under such headway that the flames will issue from the windows so as to preclude the possibility of a person passing near them in the chair without being burned, or without having the rope burned. This will be fully understood by referring to the drawing.

The chair is constructed of a strip or piece of leather, or other suitable material, *e*, doubled, with its ends secured to the rope near the hook *d*. The loop-end of thi strip *e* forms the seat, and it is provided with a back, *f*, composed of a strip of leather, or other flexible material, having its ends fitted in the sides of *e*. A front strip, *g*, is also applied in a similar manner to the sides of *e*.

By this arrangement a person may descend in the chair with perfect safety, even a woman with a child, without any danger whatever.

The rope B is operated by a person from below, in the street or road, the rope being held and kept out by him from the building as far as circumstances may require.

The chain or other article which is attached to the rope will descend by its own gravity, the speed of the descent being regulated by the person having charge of the rope below.

This device, when not required for use, may be detached from the window and stowed away in compact form.

It is designed to have the bearings *b b* of the post *a*, and the latter, constructed and arranged in such a manner that the crane may be very readily applied to and detached from the window.

I claim as new, and desire to secure by Letters Patent—

The arrangement of the chair C with relation to the rope B and crane A, whereby the chair, by its hook *d*, is adapted to be kept free from contact with the flames escaping through the lower windows of a burning building, as herein described for the purpose specified.

AZARIAH ROBINSON.

Witnesses:

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