

E. ROW.
Fire-Escape.

No. 205,579.

Patented July 2, 1878.

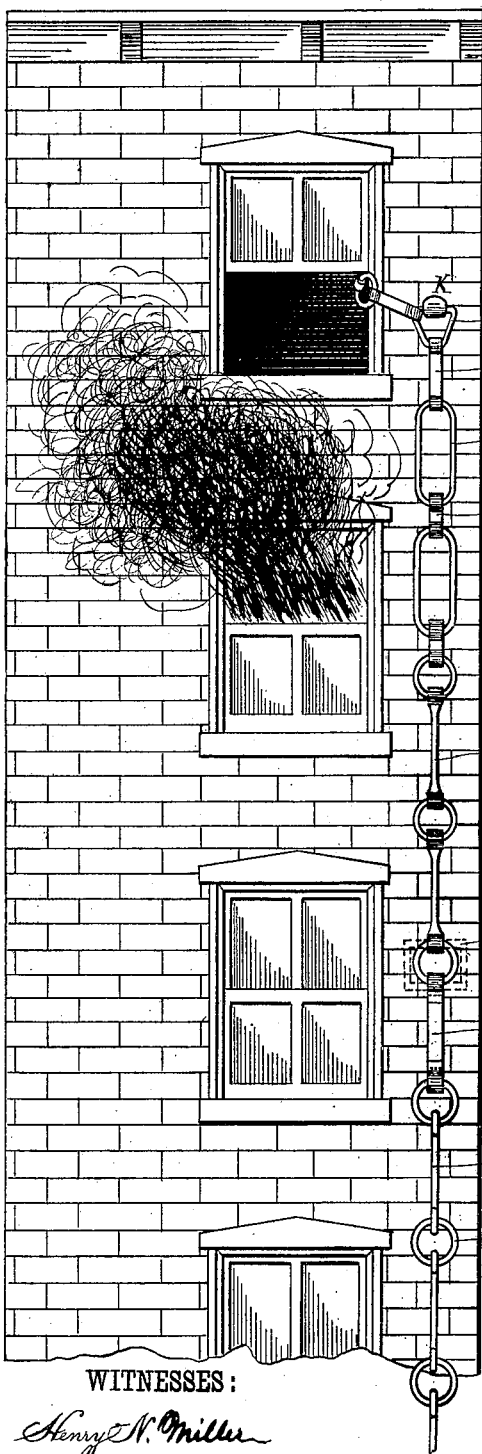


Fig. 1.

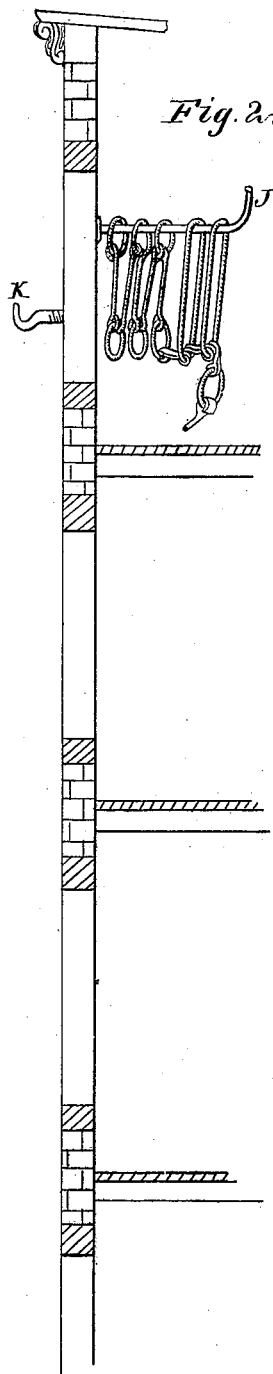


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD ROW, OF INDIANA, PENNSYLVANIA.

IMPROVEMENT IN FIRE-ESCAPES.

Specification forming part of Letters Patent No. **205,579**, dated July 2, 1878; application filed May 16, 1878.

To all whom it may concern:

Be it known that I, EDWARD ROW, of Indiana, in the county of Indiana and State of Pennsylvania, have invented new and useful Improvements in Fire-Escapes, of which the following is a specification:

This invention relates to certain improvements on the fire-escape for which Letters Patent No. 191,181, dated May 22, 1877, were heretofore granted to me.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

In carrying out the invention the rings or foot-holds may be made elongated, elliptical, triangular, or rectangular. The links for connecting the rings may be made of hoop-iron, or of round iron flattened at the ends.

The accompanying drawing represents a fire-escape embodying my present improvement.

Figure 1 is a view of a portion of a house with the apparatus arranged on the outside in position for use. Fig. 2 is a sectional view of a house with the apparatus folded and suspended from a hook when not in use.

Similar letters of reference indicate corresponding parts.

A represents a ring, of triangular form; B, an elongated or oval form, and C a rectangular or square form. D represents a link, made of hoop-iron, and connecting a triangular and an elliptical ring or foot-hold; E, a shorter link, made of hoop-iron, and connecting an elliptical and a circular ring; G, a link, made of round iron, with its ends flattened, and connecting a circular ring with the square ring C; and H, a link of flat iron. J represents a hook, attached to the interior wall of a room, for holding the fire-escape when not in use; and K, a hook, attached to the outer wall of the house, for holding it in position for service.

The advantages of the hoop-iron link are, that it serves the double purpose of keeping

the rings or foot-holds in a straight line and in the same vertical plane, and of facilitating the folding or coiling of the fire-escape when not in use, or when packed for transportation, and the same may be said with regard to the link made of round iron with the ends flattened.

The link L and ring M (shown in Fig. 1) are substantially the same as those shown in my patent before referred to, and are not claimed in this application.

The hook or bracket J (shown in Fig. 2) is for holding the fire-escape when coiled and suspended inside the room and not in use. This hook has its outer end curved upward to prevent the accidental displacement of the apparatus, and its inner end may be threaded and screwed into a wooden plug driven into the wall, or it may be secured in the wall by pouring melted sulphur or lead around it.

The outside bracket K is provided with a broad flat hook, and is of sufficient length to hold the fire-escape several inches from the wall, in order to provide ample room for a secure footing in the rings. The object of the flat broad hook is to hold the apparatus parallel with the wall of the building, and when said hook is used in connection with hoop-iron or flat-ended links, it co-operates with them to hold the rings in the same plane with each other.

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

The bracket K, driven into a wall, having a broad flat hook, and holding the escape away from the wall, in combination with foot-rings, connected by rigid links, having eyes at each end, as and for the purpose described.

EDWARD ROW.

Witnesses:

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