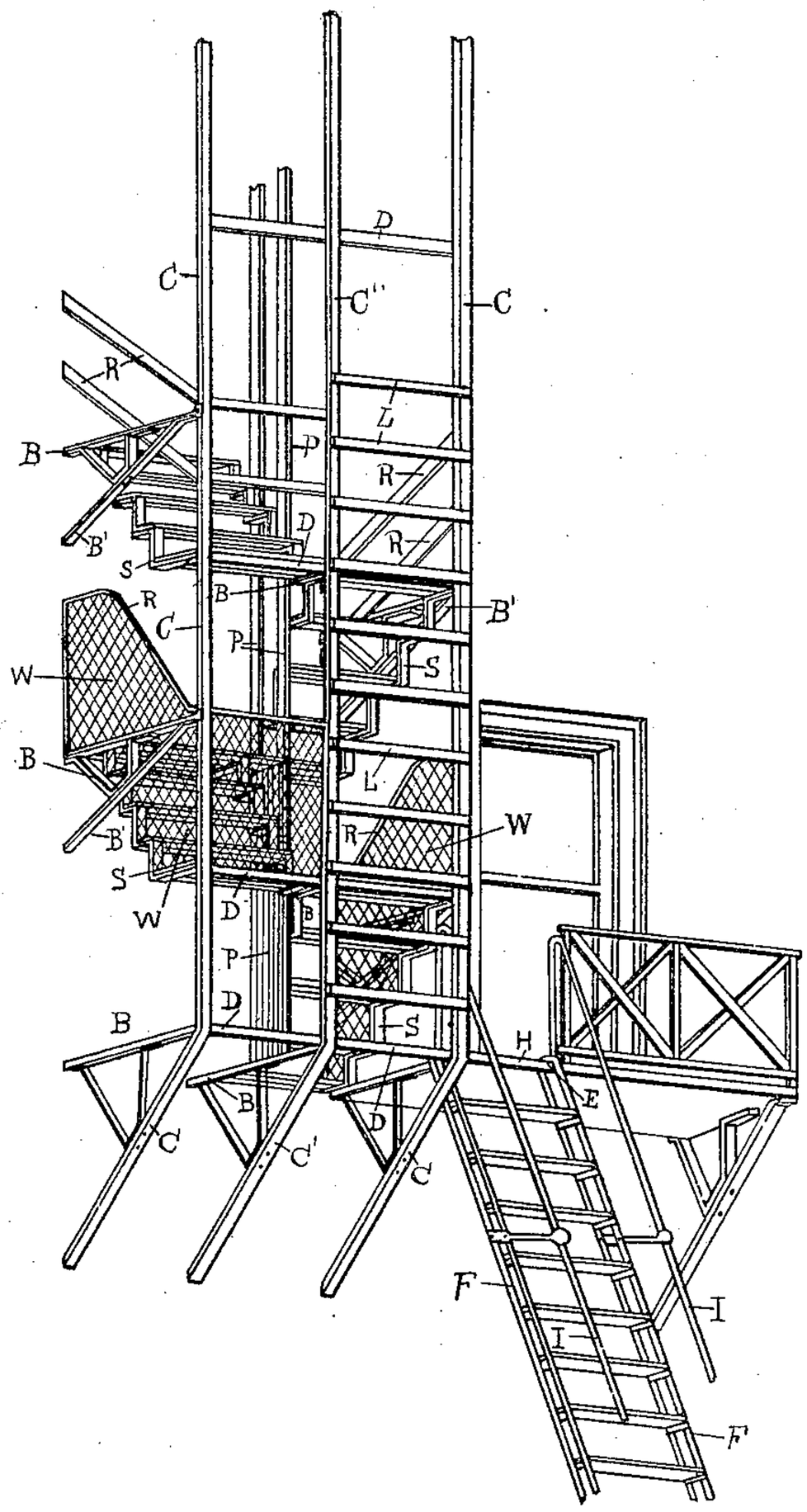
(No Model.)

F. J. FAIRCHILD.

FIRE ESCAPE.

No. 521,339. Patented June 12, 1894.



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FRANK J. FAIRCHILD, OF SAGINAW, MICHIGAN, ASSIGNOR OF ONE-HALF TO THOMAS NICHELS.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 521,339, dated June 12, 1894.

Application filed March 3, 1894. Serial No. 502,168. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. FAIRCHILD, a citizen of the United States, residing at Saginaw, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Fire-Escapes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon, which forms a part of this specification.

My invention is a fire escape and consists in the special features of construction, arrangement and combination shown and claimed. It is similar in design to the fire escape for which I obtained Letters Patent of the United States on July 25, 1893, No. 502,070, and is an improvemement on the same, being much simpler in construction and more readily secured to a building. It is adapted for use on the outside of a building only, extending from balcony to balcony, or where there are no balconies, from story to story, from the first story to the top of the building.

In the drawing, the figure is a perspective of the escape, showing two stories of the escape having different covering or protection, one a wire screen, W, the other two hand rails, R, R.

A, is the building.

B, B, are rods extending through the wall of the building and secured upon the inside thereof.

C, C, are corner irons or angle irons forming the outer corners of the escape and extending from just below the top of the first story when they are bent inward to and into the building, to the top of the building. These corner irons C, C, are bolted to the rods B, B, at each flight of stairs, or as often as needed. It is obvious gas pipe could be used in place of angle irons.

C′ is a piece of band or flat iron between the corner irons C, C, and extending parallel with them, and secured in the same way to the building.

B′ is a bracket underneath the supporting rods B, B, being bolted to them as shown, and having its foot extending into the wall of the building.

D, D, are braces connecting the corner irons and middle irons, C, C, and C′, to stay and support them, also to support the stair as will hereinafter appear.

P, P, is an inner wall or partition dividing the escape into two compartments. This wall may be tight, as shown in the lower half of the figure, or it may be simply two or more pieces of band iron secured to the middle braces B.

S, S, is a series of stairs extending from and to the building, being secured at the top and bottom landing to the frame work of the escape. These stairs are of the proper width and height to be easily traveled, and are strong enough to receive the weight of several people.

On entering the escape from a balcony, a person would turn from the building and go down a series of steps a quarter of a story or thereabout, then turn to the left, pass through an opening in the middle partition, and turn and go down a series of steps toward the building to the next landing at the side of the building, and so on out and in, from and to the building, until the lower balcony is reached. Here I provide a folding stair F, hinged to the balcony at E, on rod H, and adapted to turn up above the balcony when not in use, or to be easily let down for use. It may be provided with the hand rails I, as shown. Counterweights may be used to regulate their movement.

L, is a fireman's ladder on the outside of the escape affording the firemen a ready access to any story of the building without interfering with the passage in the escape.

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

In a fire escape consisting of rods B, B, secured in the wall of the building, brackets B′ secured under the rods B, B, in the wall and supporting the ends of the rods B, B, angle irons C, C, extending from the first story to the top and forming the outer corners of the escape, and secured to and supported by the

rods B, B, the lower ends of the irons C, C, extending into the wall, the iron C′ extending parallel to the irons C, C, and secured in the same way, forming part of the middle partition of the escape, braces D, D, connecting the irons C, C, and C′, the ladder L, on the outside of the escape, the partition P, at right angles to the wall of the building, the series of right and left stairs, one on each side of the partition, one extending from the building, the other to it, and the outer covering or protection, substantially as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK J. FAIRCHILD.

Witnesses:
A. H. SWARTHOUT,
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