(No Model.) 2 Sheets—Sheet 1.

T. W. MANN.

FIRE ESCAPE.

No. 436,834. Patented Sept. 23, 1890.

Fig. 1.

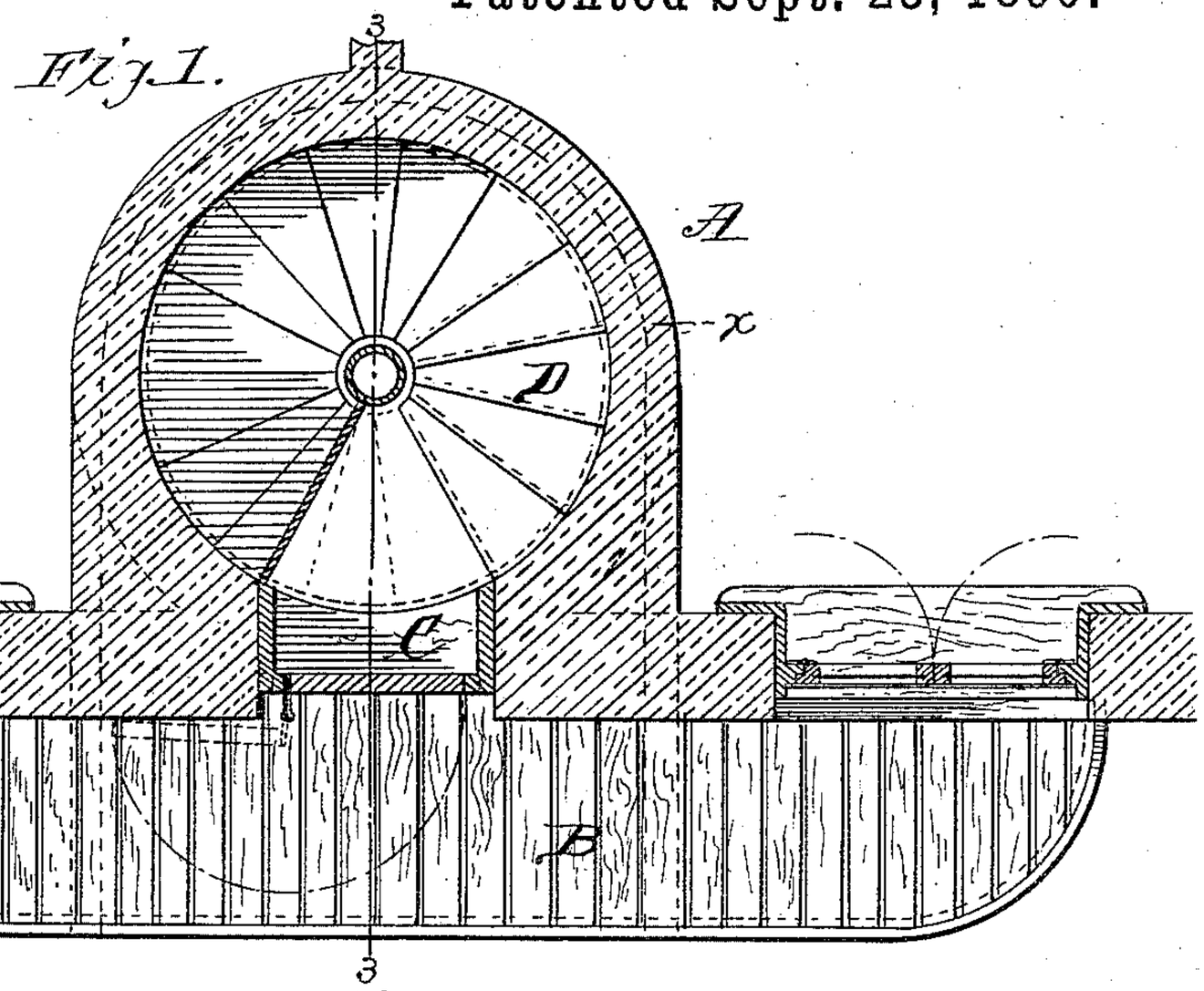
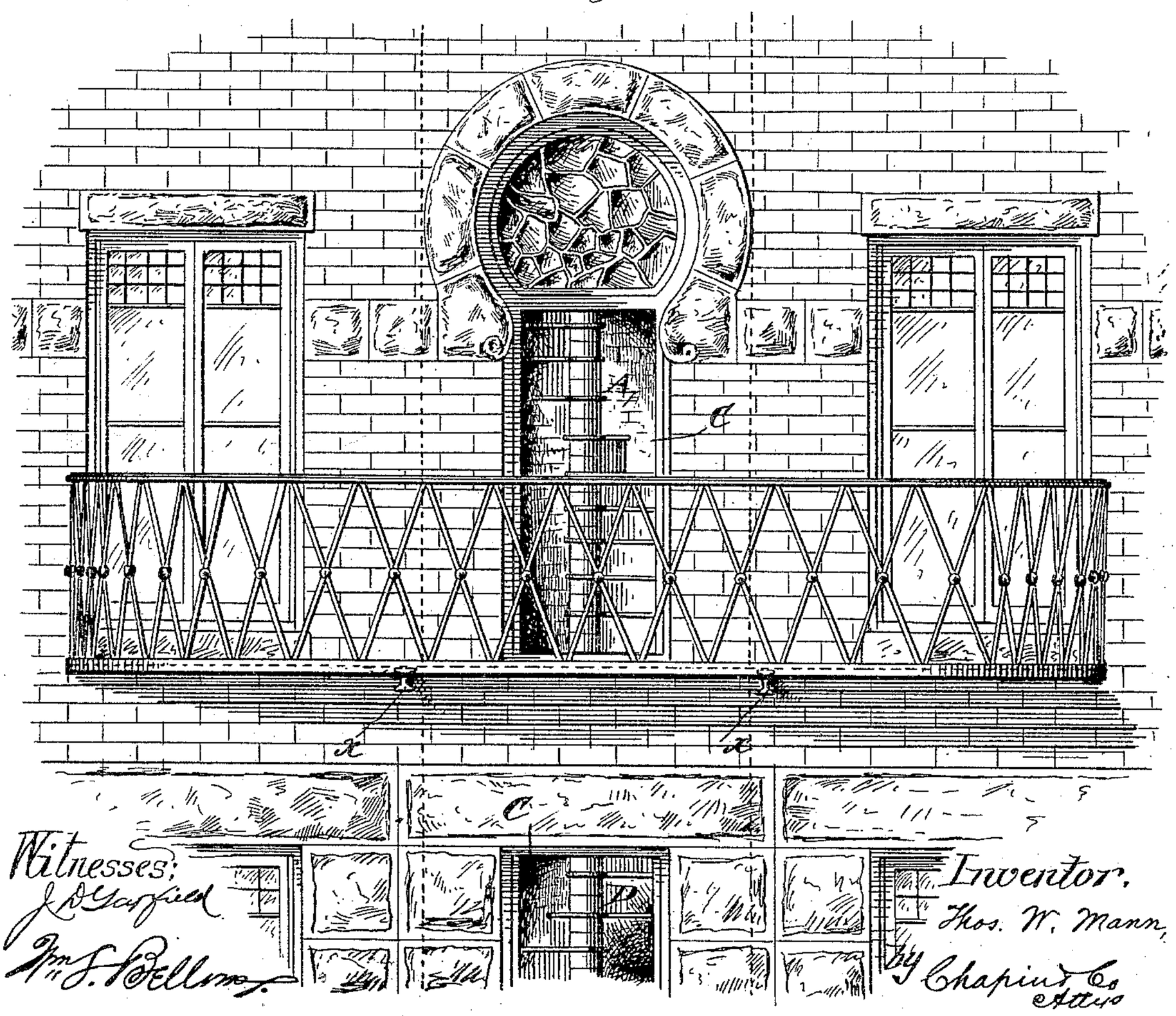


Fig. 2.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

(No Model.)

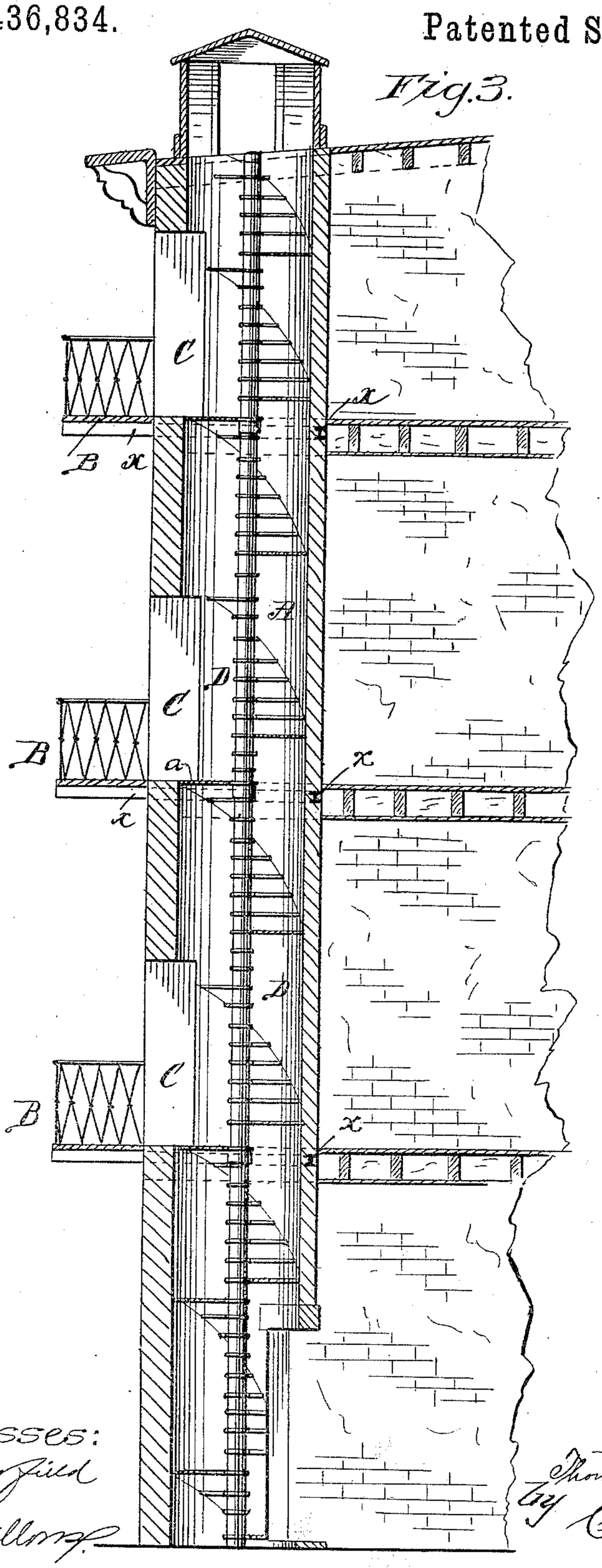
2 Sheets—Sheet 2.

T. W. MANN.

FIRE ESCAPE.

No. 436,834. Patented Sept. 23, 1890.

Fig. 3.



Witnesses:
J. D. Garfield
Wm. F. Bellamy

Inventor:
Thomas W. Mann,
by Chapin & Co
Attorneys.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

THOMAS W. MANN, OF HOLYOKE, MASSACHUSETTS.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 436,834, dated September 23, 1890.

Application filed February 7, 1890. Serial No. 339,508. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. MANN, a citizen of the United States, residing at Holyoke, in the county of Hampden and State of Massachusetts, have invented new and useful Improvements in Fire-Escapes, of which the following is a specification.

This invention relates to fire-escapes, the object thereof being to provide a fire-escape which will be entirely efficient for the purposes for which it is designed, and which will not be unsightly on a building; and the invention consists in a certain construction of the building and the arrangement and combination therewith of other parts, all substantially as will hereinafter more fully appear, and be set forth in the claim.

Reference is to be had to the accompanying drawings, in which this invention is illustrated, and in which—

Figure 1 is a horizontal cross-sectional view of the portion of the building comprising the fire-escape, and Fig. 2 is a front elevation of same. Fig. 3 is a vertical sectional view of the building, taken centrally through the fire-escape.

The building is constructed just within its main outer wall with a well A, of fire-proof material, the same preferably being entirely closed against entrance thereto from the interior of the building, although this feature is not to be strictly adhered to in practice when it might be deemed expedient to form door-openings leading directly from the rooms into said well.

Balconies B are provided at the front of the building extending below and across (more or less) the windows thereof, and from each of said balconies a doorway C leads through the wall of the building into said well. A spiral staircase D runs up and down the fire-escape well, and is to be provided with a platform or landing *a* opposite the bottom of each doorway C. Instead of a spiral staircase substantially as shown, its equivalent might consist in a ladder or other means for descent or ascent suitably placed within the well. The well is intended to be extended to or higher than the roof and to have an opening or doorway leading therefrom out onto the roof.

In the construction of the building embodying the well, as described, when the same is to be circular, as shown, at each floor is placed a section of railroad or other bar-iron bent into a U shape, as seen at *x*, having its bowed portion confined in place within the masonry in the construction of the well, its extended terminal portions projecting outwardly beyond the front of the wall, and afford efficient means, in whole or in part, for the support of the balcony.

Escape from the various rooms, as of course will be readily apparent from an understanding of the construction and arrangement of the fire-escape, may be had to the nearest balcony, and thence to the interior of the fire-escape, exit therefrom being had either at a place higher or lower than the place of entrance, as circumstances may direct.

What I claim as my invention is—

A fire-escape for buildings, consisting of a circular well built within the wall of the building, having confined horizontally within the masonry U-shaped bars, having their extremities projecting outwardly beyond the front of the building, a stairway in said well, balconies extended across several windows of the building supported on said bar-extensions, and doorways opening into said well which lead from said balconies, substantially as described.

THOMAS W. MANN.

Witnesses:
H. A. CHAPIN,
WM. S. BELLOWS.