

No. 636,539.

Patented Nov. 7, 1899.

W. H. LOGAN.
FIRE ESCAPE.

(Application filed July 24, 1899.)

(No Model.)

Fig. 1.

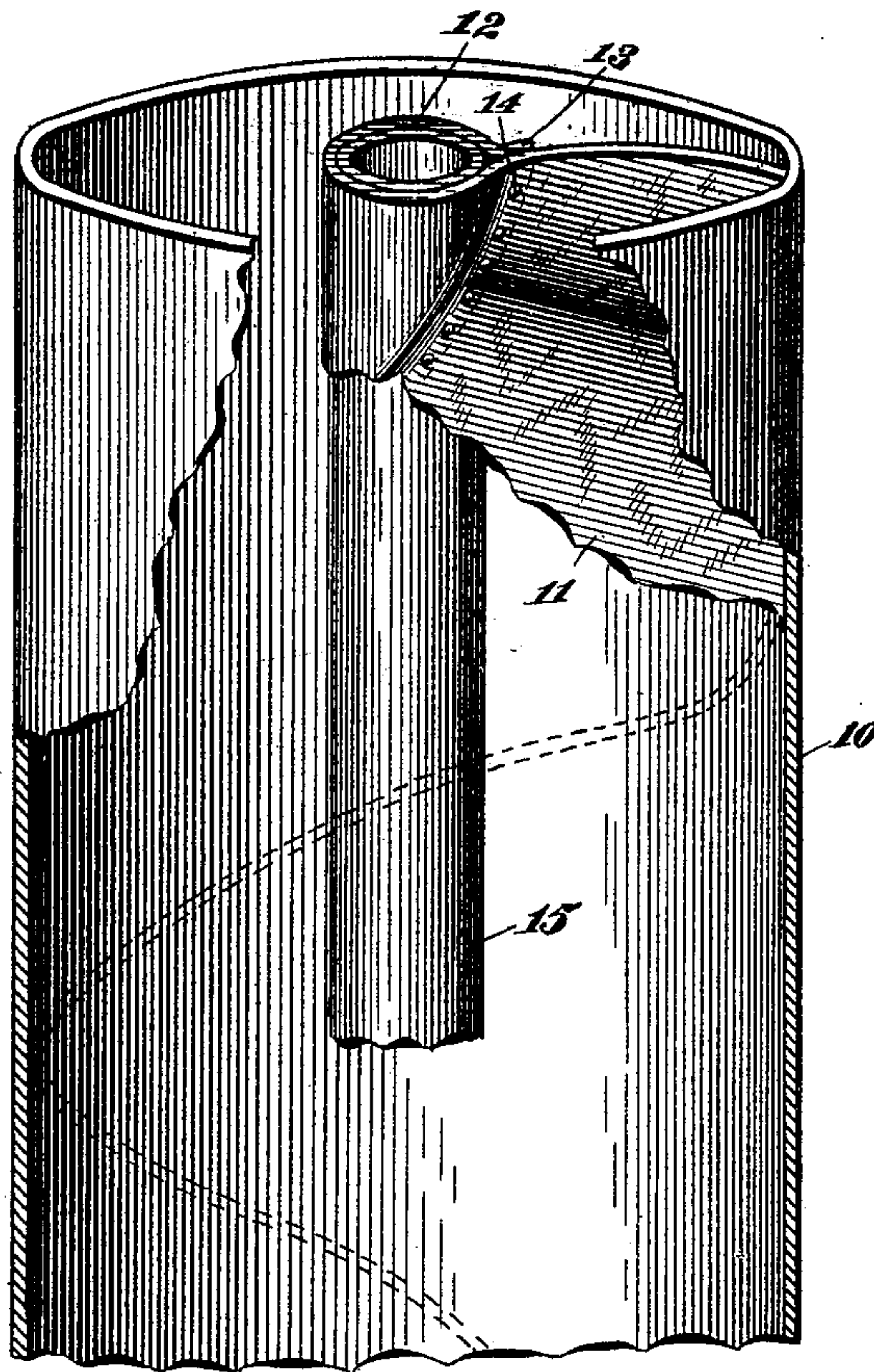
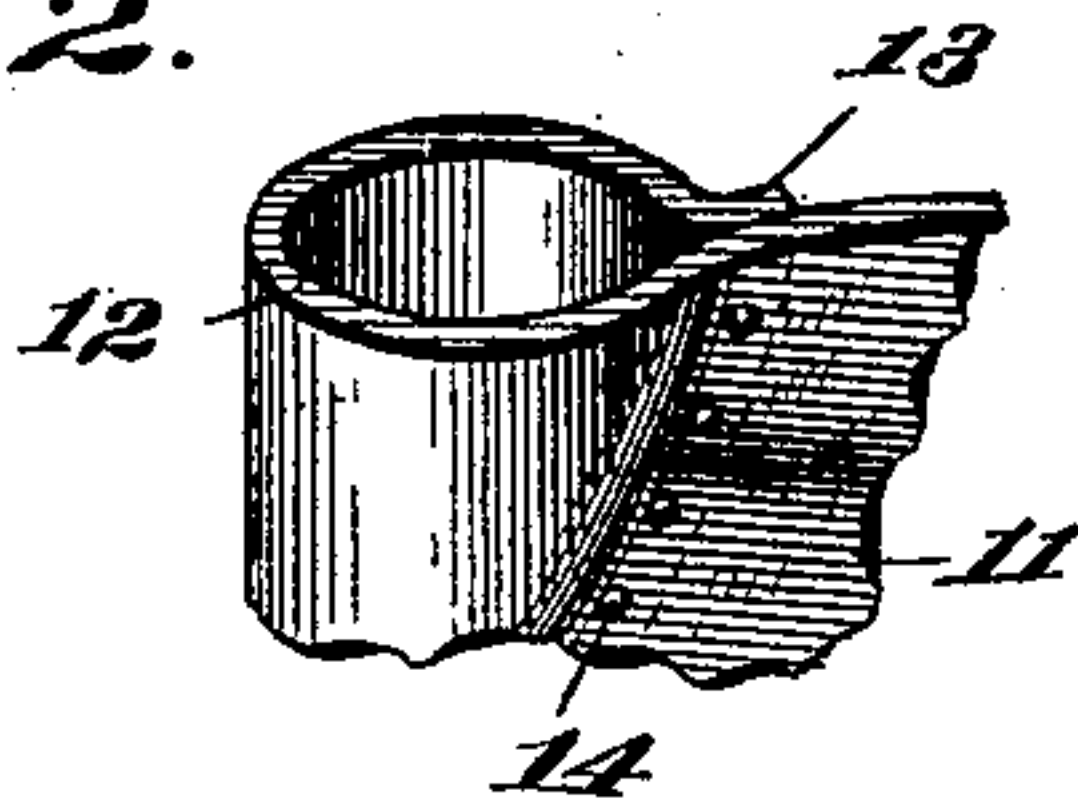


Fig. 2.



Witnesses

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FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 636,539, dated November 7, 1899.

Application filed July 24, 1899. Serial No. 724,971. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HUME LOGAN, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Fire-Escapes; and I do hereby 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.

My invention relates generally to fire-escapes, and more particularly to that class of fire-escapes which consists, primarily, of a spiral way or slide inclosed within a vertical cylinder or column.

The object of my invention is to generally improve the construction and operation of this class of fire-escapes; and with this object in view my invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of part of a fire-escape constructed in accordance with my invention, parts being broken away to more clearly illustrate their construction. Fig. 2 is a fragmentary detail perspective view illustrating part of the slideway with the post omitted.

Referring to the drawings by numerals, 10 indicates a vertical cylinder, column, or tower which may be erected in a building or outside thereof and adjacent thereto in any suitable manner, access being had to the interior thereof at the top or at intervals by any known approved means, the construction of the tower or the means of access to its interior forming no part of the present invention. In the in-

terior of the tower is erected a spiral slide- 40 way composed of metal sheets or plates 11, whose outer edges rest against the inner surface of the tower and may be secured thereto in any suitable manner. The inner edges of the sheets are bent into tubular form, as at 45 12, until the extreme inner edge 13 rests against the bodies of the plates, where they are secured by rivets or small bolts 14.

If desired, a central post 15 may be used, as shown in Fig. 1, and the bent tubular edges 50 12 of the plate made to encompass it.

The construction of the invention will be apparent from the foregoing and its mode of operation obvious.

Having thus fully described my invention, 55 what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a fire-escape, a sheet-metal spiral slide- way having its inner edge bent into tubular form, with its extreme edge lying upon and 60 secured to the body of the slideway outside of the tube, substantially as described.

2. In a fire-escape, the combination with a cylinder, of a post located in the axial center thereof, a sheet-metal spiral slideway having 65 its outer edge secured to the inner surface of the cylinder and its inner edge bent around the post, the extreme edge overlapping and lying upon the body of the slideway, and rivets for securing these parts together, substan- 70 tially as described.

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

WILLIAM HUME LOGAN.

Witnesses:

A. T. HORRELL,
H. GRENOUGH.