

No. 636,538.

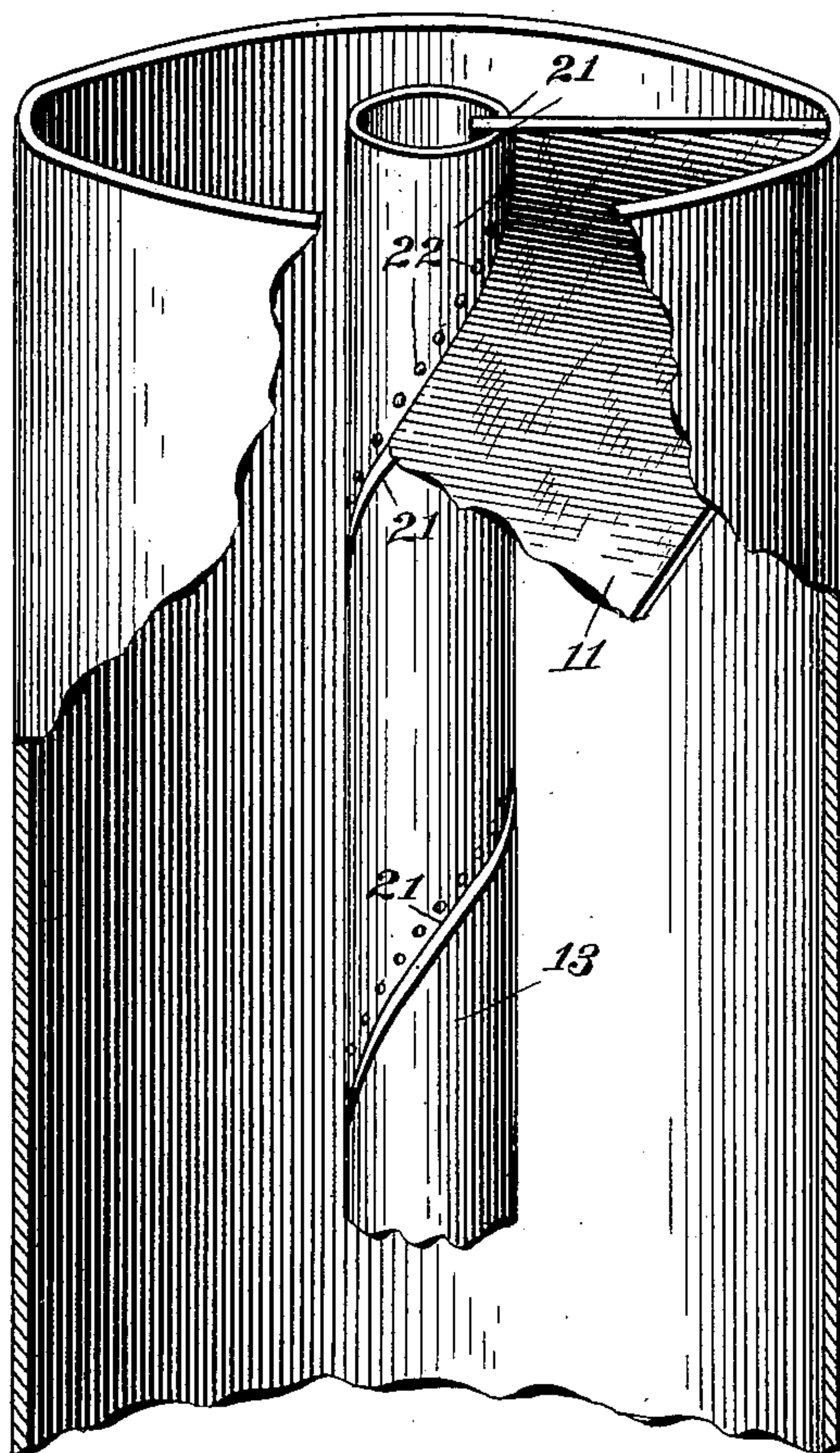
Patented Nov. 7, 1899.

W. H. LOGAN.

FIRE ESCAPE.

(Application filed June 9, 1899.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM HUME LOGAN, OF LOUISVILLE, KENTUCKY.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 636,538, dated November 7, 1899.

Application filed June 9, 1899. Serial No. 719,952. (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 consist, 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.

The accompanying drawing 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.

In the drawing, 13 indicates a sheet of metal shaped and bent to bring its edges 21 opposite each other at a proper distance apart to clasp the inner edges of a series of spirally-bent plates or sections 11, which overlap each other at their upper and lower edges, forming a spiral slideway. There may be as many plates 13 as required, according to the height of the slideway and the number of sections, and the sections are secured to the plates 13 by means of rivets 22. The space between the edges 21, in which the inner edges of the sections 11 are secured, will necessarily extend in a

spiral direction, and the outer edges of the sections will be secured inside of a bent iron or other column, said sections being formed of suitable material, preferably sheet metal, which may be erected in a building or outside of and adjacent thereto, access to and egress from the tower being had to the interior of said tower by means of suitable openings at the top or sides.

The construction of the invention will be readily understood from the foregoing and no further elucidation is considered necessary here.

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

1. In a fire-escape, the combination with a sheet-metal spiral slideway of a central hollow sheet-metal upright having a spiral slot through which the inner edge of the slideway is inserted into the hollow upright, with the edges of the metal in which the slot is formed abutting against the metal of the slideway, and rivets passing through the metal of the upright and slideway to secure them together, substantially as described.

2. In a fire-escape, the combination with a hollow, central cylinder or upright composed of sheet metal bent to form, the edges failing to meet each other and leaving a spiral slot between them, a sheet-metal slideway with the inner edge projecting through the spiral slot and into the hollow cylinder, and means for securing the slideway and cylinder together, substantially as described.

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

WILLIAM HUME LOGAN.

Witnesses:

CHAS. K. JOHNSON,
STELLA STAADEKER.