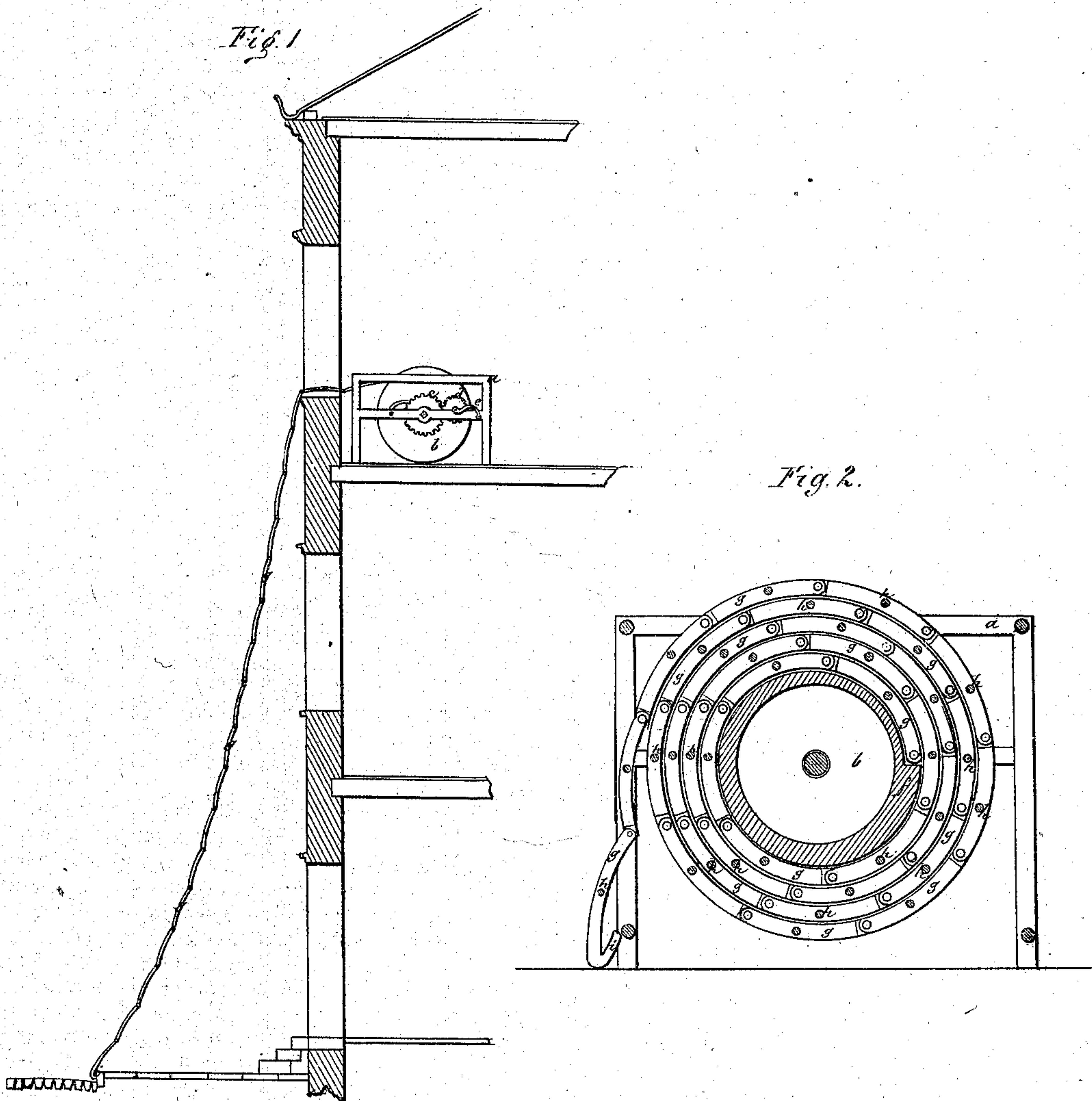


W. B. PEREGOY.
FIRE ESCAPE LADDER.

No. 112,276.

Patented Feb. 28, 1871.



Witnesses:

H. J. Treitz
Chas. D. O'Connell

Inventor:

W. B. Peregoy.

PER

Wm. V. C.
Attorneys.

United States Patent Office.

WILLIAM B. PEREGOY, OF BALTIMORE, MARYLAND.

Letters Patent No. 112,276, dated February 28, 1871.

IMPROVEMENT IN FIRE-ESCAPE LADDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM B. PEREGOY, of Baltimore, in the county of Baltimore and State of Maryland, have invented a new and improved Fire-Escape Ladder; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a sectional elevation of a house with a side elevation of the drum on which the ladder is wound; and

Figure 2 is a sectional elevation of the drum with the ladder wound upon it.

My invention relates to improvements in that class of fire-escapes wherein curved and jointed pieces are employed to form the sides of the ladder, which is attached to and wound upon a drum located on one of the upper floors of a building.

My improvement pertains to the jointed ladder, in combination with the drum, which is provided with an offset, whereby certain advantages are attained, as hereinafter explained.

Referring to the drawing—

a is a suitable frame intended to be fixed to the upper floor of a building, just inside one of the windows of the same.

b is a drum mounted transversely of said frame.

c is a cogged disk fixed on the outside of the drum *b*, and concentric therewith.

d is a spur-gear mounted in the frame *a*, connecting with the cogged disk *c*, and provided with a crank, *e*, by means of which disk, gear, and crank, the drum receives rotation.

A shoulder, *f*, is formed transversely of the perimeter of the drum *b*, next to which shoulder one end of the ladder is jointed to the exterior of the drum.

The ladder is composed of sections, each section consisting of a pair of curved side pieces, *g*, which are connected by cross-ties, *h*, the pieces *g* being jointed together at their extremities so as to form two continuous chains.

The pieces *g* are curved for two reasons, to wit: first, that they may fit the perimeter of the drum when wound upon it, and that each coil may also fit the one within it; and, second, that the cross-pieces at the central parts of the sections may stand out from the wall when the ladder is hung perpendicularly from a window, and thus affords room for the feet of those who have to go up or down the ladder.

The ladder is easily wound upon the drum, and when thus disposed of is held securely by side-flanges that extend outward from the periphery of the drum.

When required for use, the ladder may be readily unwound and dropped from the window.

The extreme section is provided with hooks, *i*, by which to fasten the ladder to any point on the ground.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the drum *b*, provided with the offset *f*, the jointed ladder, or its equivalent, as shown and described.

WILLIAM B. PEREGOY.

Witnesses:

ISAAC H. NORRIS,
JOHN F. LE BROU.