

No. 615,999.

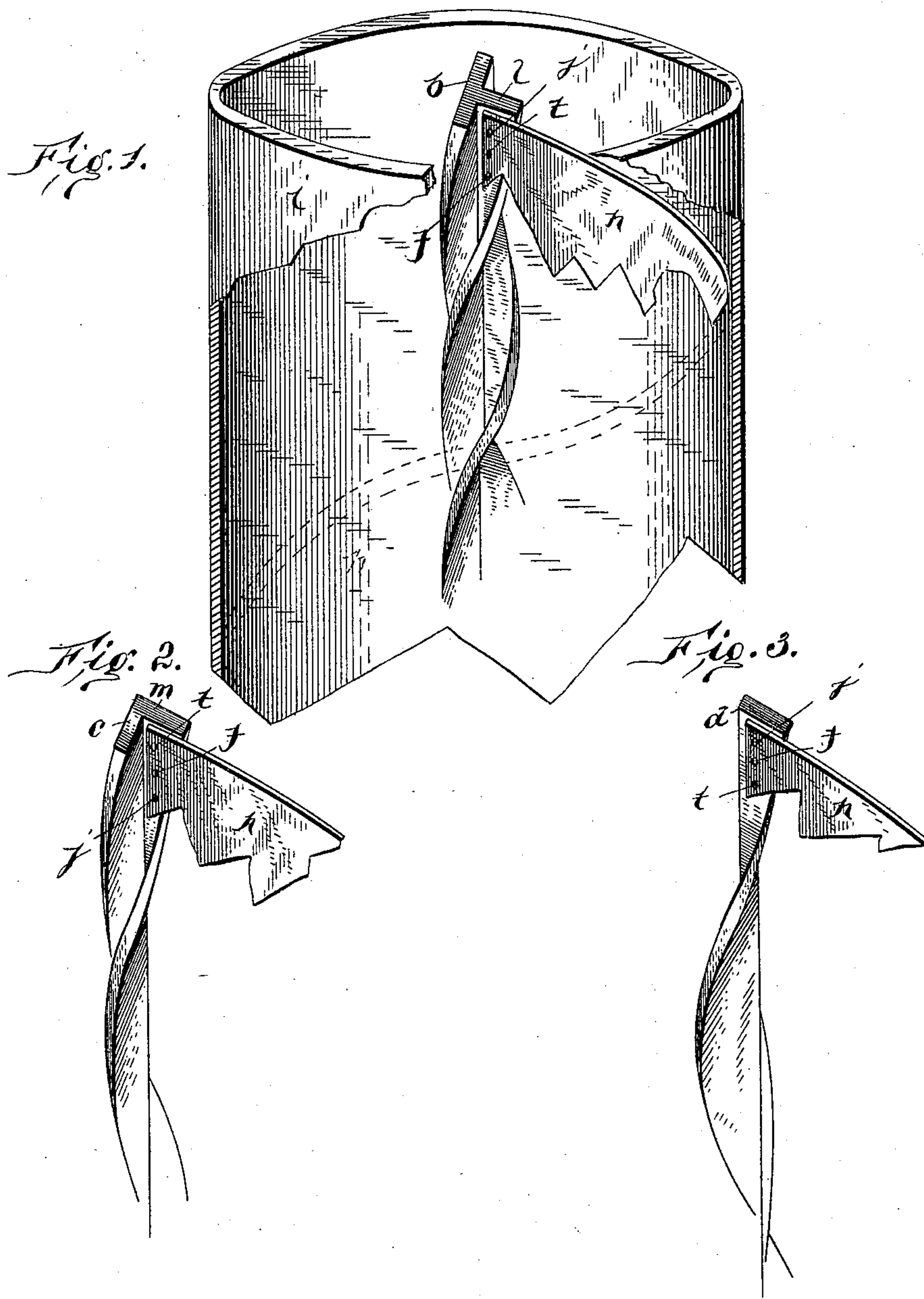
Patented Dec. 13, 1898.

W. H. LOGAN.

FIRE ESCAPE.

(Application filed July 9, 1898.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. LOGAN, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO THE KIRKER-BENDER FIRE ESCAPE COMPANY, OF SAME PLACE.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 615,999, dated December 13, 1898.

Application filed July 9, 1898. Serial No. 685,517. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LOGAN, of 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 that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention relates to fire-escapes, its object being to provide a durable fire-escape which is simple and efficient in construction, may be produced at comparatively low cost, and be readily and easily repaired when necessary.

Heretofore fire-escapes have been complex and expensive in their construction and not always simple and efficient in operation, and in places where the law is compulsory as to the erection of fire-escapes for buildings these facts have been objectionable to the persons affected. To avoid these objections and to provide an escape that will meet the requirements of the general public and enable persons of ordinary means to equip their houses with safety appliances are objects of my invention.

The invention consists, broadly, of a spirally-twisted supporting post or pillar and a spirally-twisted inclined way secured to the post. Preferably a casing will inclose the escape.

Referring to the drawings, Figure 1 shows a T-shaped post in cross-section, in perspective, one arm of the T forming the flange to which the way may be secured. Fig. 2 shows a post formed of an angle-iron, spirally twisted, to one member of which the spiral way is secured. Fig. 3 shows a spirally-twisted flat metal bar, which forms a post and to which the way is secured.

b, Fig. 1, is a T-shaped post carrying the inclined way h, the long arm of the T forming the flange to which is riveted or bolted the way. When this three winged or webbed post is twisted spirally, it makes an immensely strong and rigid column or pillar, each wing

supporting the other. Of course the way is spirally bent to coincide with the flange l, to which it is secured.

c, Fig. 2, is an angle-iron, one side of which forms the flange m, to which is secured the inclined way and, like Fig. 1, is twisted spirally to coincide with the spiral of the inclined way, to which it is secured by means of rivets or bolts t.

Fig. 3 is another modification, as a flat piece of iron, one edge being twisted around the other, also having the spiral inclined way attached and rigidly secured.

It is not necessary for the purpose of this specification to describe the various places, location, and uses where this invention can be applied, as these are obvious to the user, as the device is capable of location inside or outside of the building and in several places in the same building with but little cost. Easy curves may be employed on the spiral way to break the too-rapid descent of the person descending, as circumstances may suggest.

It is obvious that the invention may be made and modified to suit location, and modifications may be made within wide scope without departing from the spirit thereof. I therefore do not wish to be confined to the exact construction shown and described, but consider myself entitled to all such modifications.

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

1. The combination in a fire-escape of the central spirally-twisted post or pillar, and the spirally-twisted inclined way, secured together in the manner and for the purpose set forth.

2. The combination in a fire-escape of the central spirally-twisted post, the spirally-twisted way, and the outer casing substantially as set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM H. LOGAN.

Witnesses:

OWEN E. DUFFY,
M. F. HASKELL.