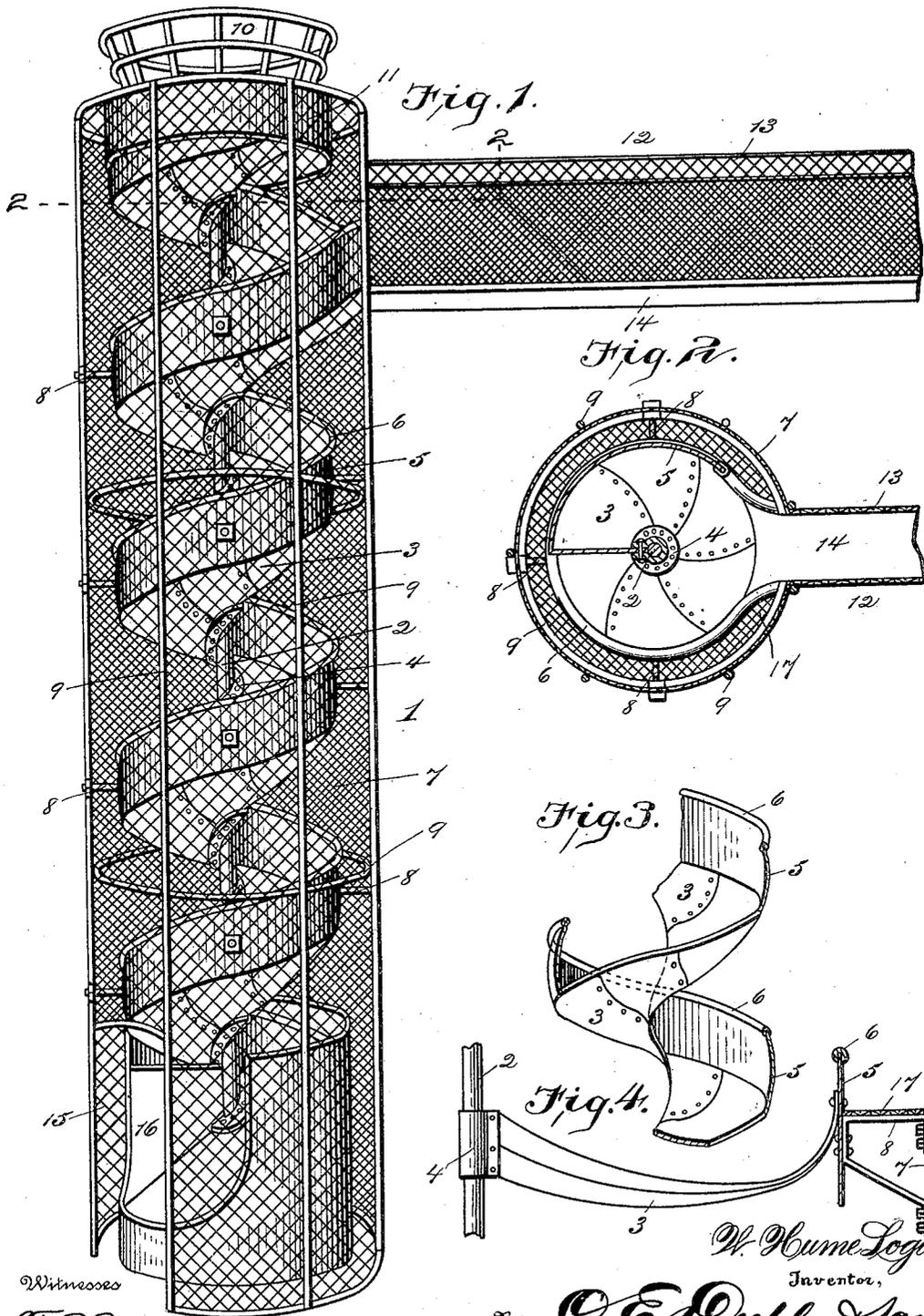


W. H. LOGAN.
AMUSEMENT DEVICE.
APPLICATION FILED JULY 20, 1903.



Witnesses

J. T. Britt

E. C. Duffy

W. Hume Logan
Inventor,

C. E. Duffy & Son

Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM HUME LOGAN, OF LOUISVILLE, KENTUCKY, ASSIGNOR TO
KIRKER-BENDER FIRE ESCAPE COMPANY, OF LOUISVILLE, KEN-
TUCKY.

AMUSEMENT DEVICE.

No. 803,119.

Specification of Letters Patent.

Patented Oct. 31, 1905.

Application filed July 20, 1903. Serial No. 166,296.

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 Amusement Devices; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to a pleasure apparatus, and has for its object to provide a device for this purpose which embodies a spiral slideway so arranged that the passengers slide in a sitting posture from the top to the bottom.

With this object in view my invention consists in the novel arrangement and construction of the spiral slideway, having the spiral wall secured thereto, and in the arrangement of the outer cage.

My invention also consists in certain other novel features of construction and in combination of parts, which will be first fully described and afterward specifically pointed out in the appended claim.

Referring to the accompanying drawings, Figure 1 is an elevation of my invention. Fig. 2 is a horizontal section taken on the line 2 2 of Fig. 1. Fig. 3 is a fragmentary view of a part of spiral slideway. Fig. 4 is a detail showing preferred construction of slideway, vertical wall, and safety-screen.

Like numerals of reference indicate the same parts throughout the several figures, in which—

1 is the amusement device, consisting of the vertical stand-pipe 2.

3 indicates the spiral slideway composed of sections and constructed of brass, aluminium, sheet-steel, or other suitable material, said slideway being secured around said stand-pipe by means of thimbles 4, as shown in Fig. 2, the inner edge of said slideway being inserted between the ends of thimble 4 and securely riveted, the spiral form of the thimbles being shown in Fig. 1.

5 indicates the vertical spiral wall to which the outer edge of the slideway is suitably secured, and said vertical wall may be slightly concaved on its inner face, if desired, so that

the curve of the slideway would be lengthened into the vertical wall, so that the angle of intersection of said slideway and wall would be less sharp, thereby making an easier and more comfortable slideway. The vertical wall is provided at its upper edge with preferably a slotted tubing 6, forming a hand-rail therefor.

7 indicates the outer cylindrical cage or wire-network, which is somewhat larger in diameter than the slideway, as shown in Fig. 2, and at regular intervals I run braces 8 from the cage to the wall of the slideway in order to securely brace the structure. Suitable framing 9 for said cage is employed, and a railing 10 is formed at the top of the cage, so that persons can stand on the extreme top in order to get a view of the surrounding scenery, the slideway running up into a platform 11. This feature, however, could be dispensed with, if desired.

12 indicates a bridge running from an elevator or other suitable means (not shown) for raising the passengers to the top of the slideway, said bridge having a suitable railing 13 and entering the cage near the top of the slideway, the floor 14 of said bridge meeting the floor of the slideway and the vertical wall of said slideway being carried out to coincide with the railing of the bridge, as shown in Fig. 2.

A suitable doorway or opening 15 is formed in the cage at the bottom of the slideway as an exit therefrom, and a cylindrical guard 16 is formed around the bottom of the slideway to insure a safe exit and screen from view any derangement of apparel which might occur during the passage down the slideway.

In Fig. 4 I show in detail my preferred construction, and it will be noticed that the vertical wall 5 extends considerably below the point of its junction with the slideway, so as to accommodate the braces below the slideway. I also fill the space between the slideway and cage by placing a safety-screen 17 therein, said screen resting upon the braces, as shown, and following the same spirally, thereby preventing injury to any one should he accidentally fall over the vertical wall.

While I have shown and described the cage as being cylindrical, this particular form is by no means essential, as said cage could be of any desired shape, pattern, or material. It is essential, however, that the cage be con-

5 structured so as to allow a clear view of the
 slideway from outside the casing and at the
 same time be of sufficient strength to form an
 effectual safeguard against passengers falling
 10 from the structure should they for any reason
 or other fall over the slideway. The casing
 being fastened to the upright supports also
 tends to brace the same and steady the struc-
 15 ture, much in the same manner as though the
 cage were a cylinder of sheet metal. Again,
 the cage being at a distance from the slide-
 way prevents any contact of the passengers
 with the cage during their descent unless, of
 20 course, they should accidentally fall out of the
 slideway, in which event they would be caught
 by the safety-screen and be prevented from
 being precipitated below by the outer cage.
 Again, it is my intention to construct these
 25 devices with the cage of very fine mesh wire
 close against the spiral wall and may also sup-
 plement the wire with glass or other suitable
 transparent material extending spirally from
 spiral wall above to spiral wall below.

Having thus fully described the several
 25 parts of my invention, its use and operation

is apparent, and I do not wish to be under-
 stood as limiting myself to the exact construc-
 tion as herein set forth, as various slight
 changes could be made therein which would
 fall within the limit and scope of my inven- 30
 tion, and I consider myself clearly entitled to
 all such changes and modifications.

What I claim as new, and desire to secure
 by Letters Patent of the United States, is—

An amusement device having a spiral slide- 35
 way and a casing separated therefrom and
 constructed of a material which will allow a
 clear view of the slideway from outside the
 casing and a safety-screen between said slide-
 way and said casing said safety-screen being 40
 constructed of a material which will allow a
 clear view of the entire slideway from outside
 the casing.

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

W. HUME LOGAN.

Witnesses:

MARY M. VINCENT,
 ROSE S. DOWLING.