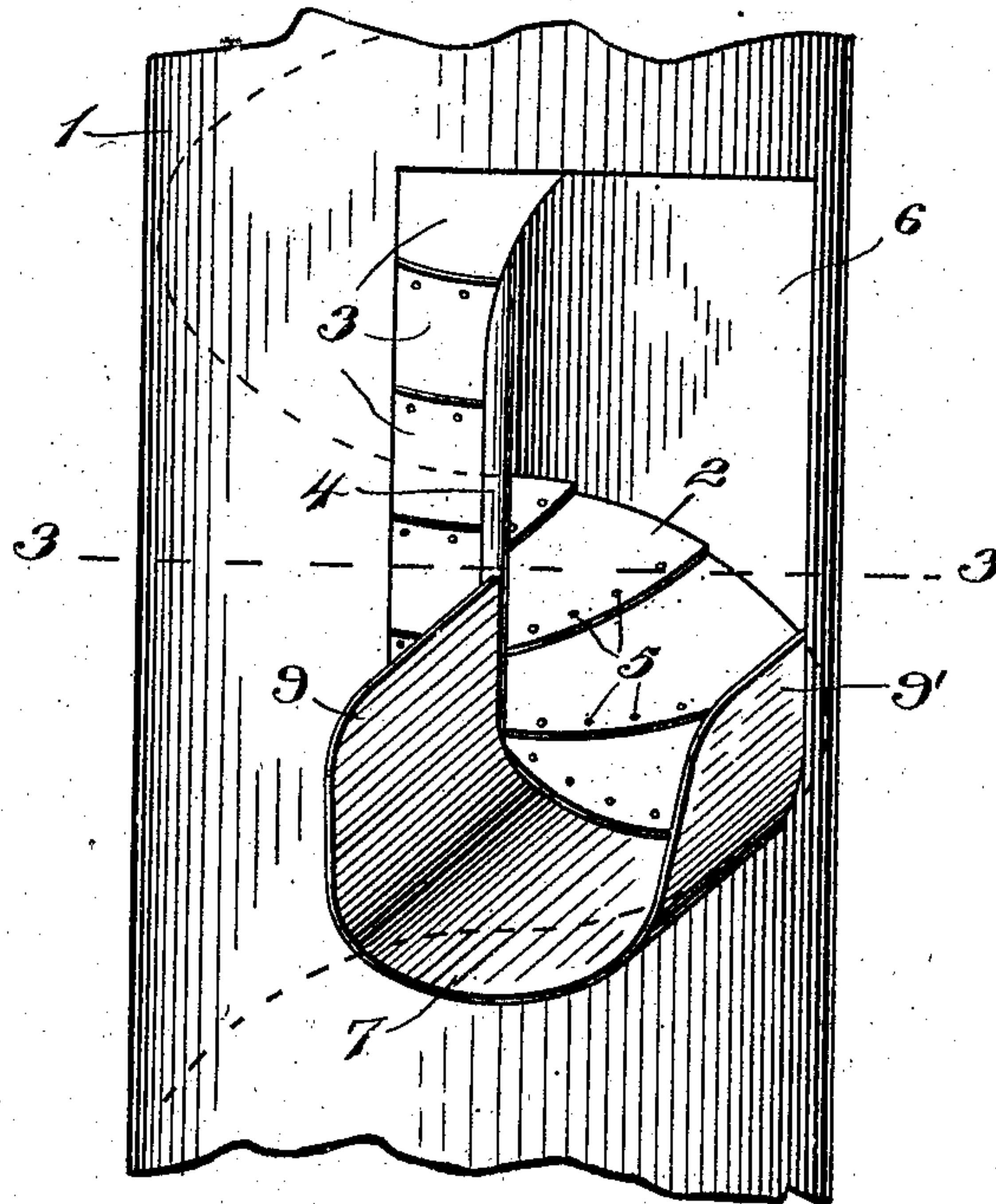


No. 814,855.

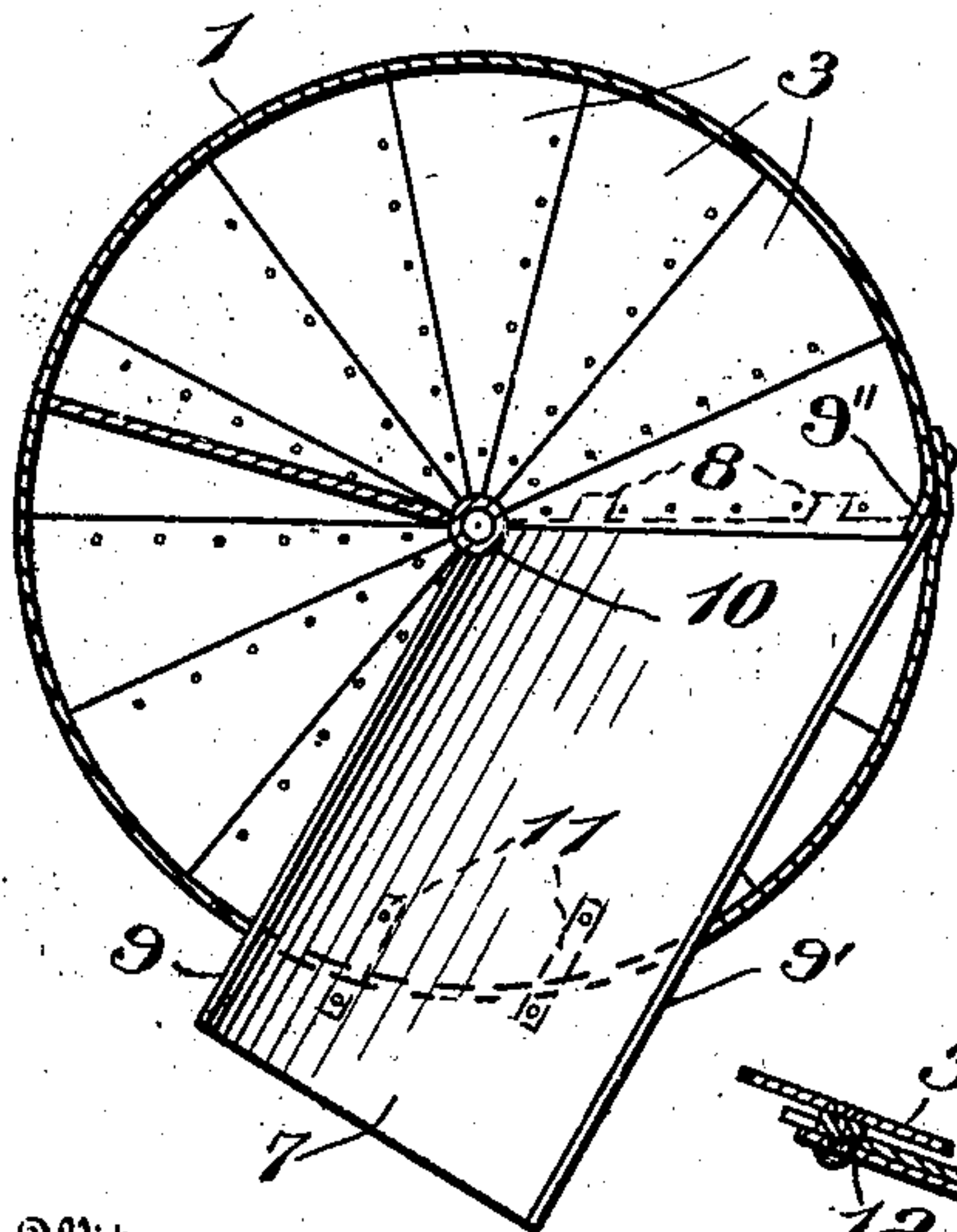
PATENTED MAR. 13, 1906.

W. H. LOGAN.  
SPIRAL SLIDEWAY.  
APPLICATION FILED FEB. 2, 1905.

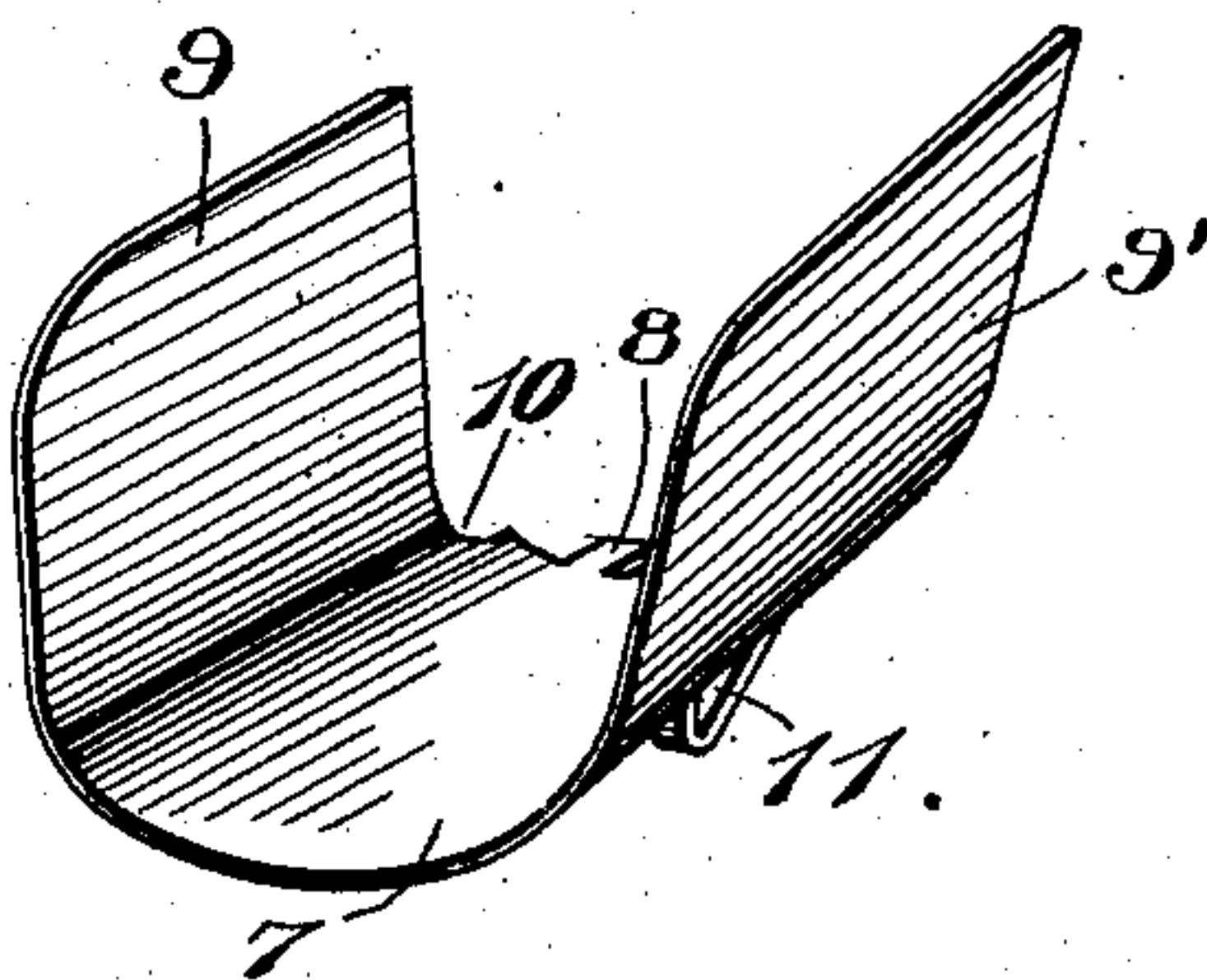
*Fig. 1.*



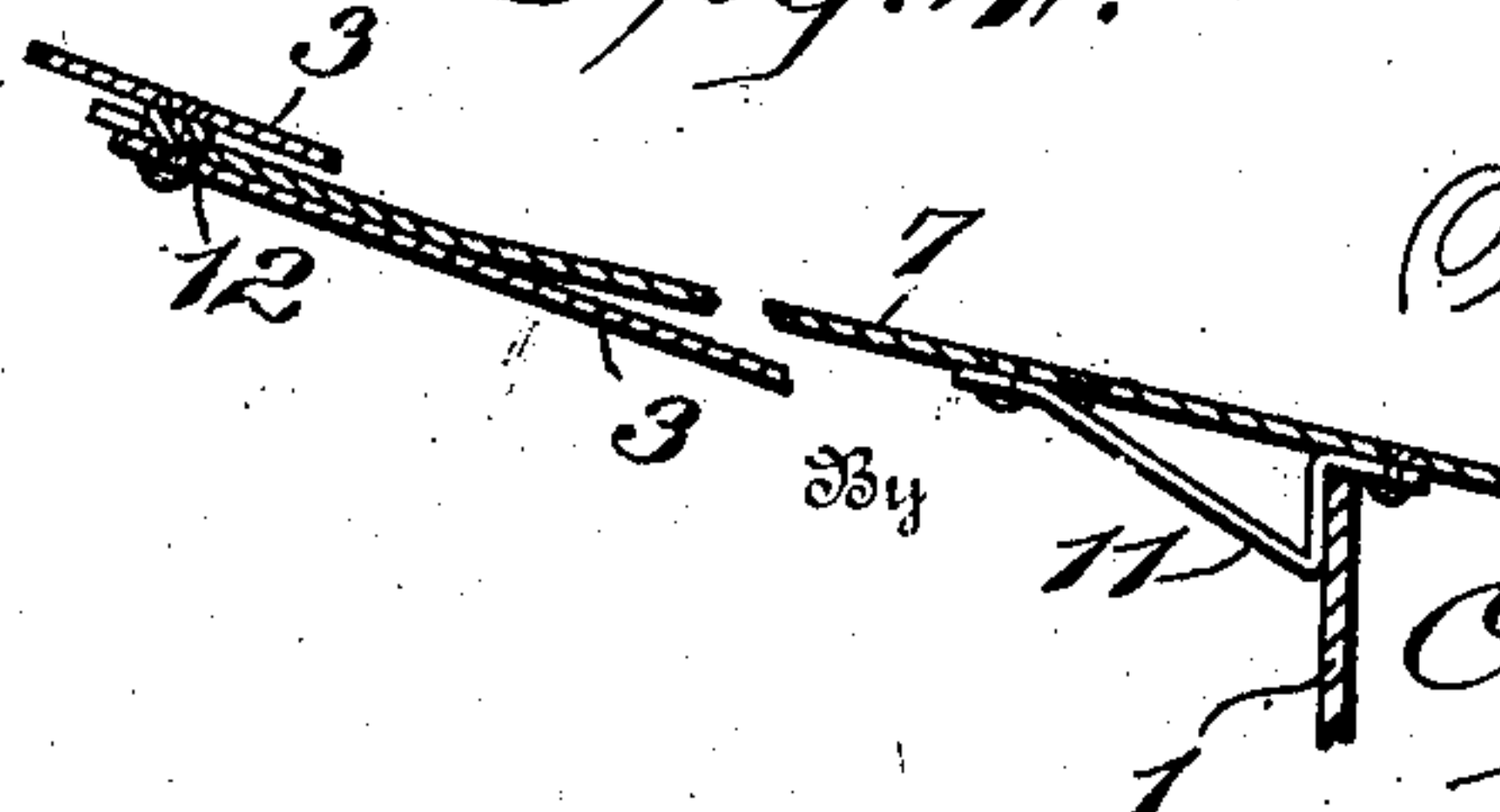
*Fig. 3.*



*Fig. 2.*



*Fig. 4.*



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM HUME LOGAN, OF LOUISVILLE, KENTUCKY.

## SPIRAL SLIDEWAY.

No. 814,855.

Specification of Letters Patent.

Patented March 13, 1906.

Application filed February 2, 1905. Serial No. 243,797.

*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 Spiral Slideways; 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 "spiral slideways" for fire-escapes and package-chutes, and has for its object to provide a switch or auxiliary chute for leading persons or packages from the slideway onto a floor or landing intermediate the top and bottom of the slideway.

A further object of my invention is to provide a removable switch or auxiliary chute which can be inserted in the casing of the slideway and onto the slideway at a point intermediate the top and bottom of the slideway, said switch or auxiliary chute being instantly removable.

With these objects in view my invention consists in the switch or auxiliary chute.

My invention also consists in the construction employed for securing the chute or switch in position.

Referring to the accompanying drawings, Figure 1 is an elevation of a portion of spiral slideway and cylindrical casing, showing switch or auxiliary chute in an operative position. Fig. 2 is a perspective view of the switch or auxiliary chute. Fig. 3 is a horizontal section taken on line 3 3 of Fig. 1, and Fig. 4 is a fragmentary detail sectional view of two flights or leaves of the slideway and the switch or auxiliary chute.

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

1 indicates the cylindrical casing for the slideway, and 2 indicates the slideway within the casing, said slideway being made up of a series of flights or leaves 3, suitably secured to a central support 4 and secured to one another preferably by rivets 5. A doorway or opening 6 is provided in the cylindrical casing 1 at the predetermined point or points along the slideway, as shown in Fig. 1.

7 indicates the switch or auxiliary chute, which, as shown, is provided with two or more

extensions 8 on the inner edge of the bottom of the switch or chute, and, as shown in Fig. 2, the side 9 of the chute is cut away at 10 for a purpose which will be hereinafter fully described, while the edge of the side 9' enters between the lapped edges 9'' of the cylindrical casing, as shown in Fig. 3. On the bottom of the switch or chute, as shown in Fig. 2 and in dotted lines in Fig. 3, are two or more knees 11, constructed and arranged to engage the cylindrical casing 1, as shown in Fig. 4.

Referring to Fig. 4, it will be seen that a strip 12 is arranged between the leaves or flights 3, so that the inner edge of the switch or chute 7 and the extensions 8 may be inserted between the leaves or flights, as shown, in order to securely hold the chute in position.

Having thus fully described my invention, its operation is as follows: When it is desired to lead persons or packages from the slideway at a point between the top and bottom thereof, the switch or auxiliary chute is inserted within the opening 6 in the casing, the inner edge of the chute being inserted between two leaves 3 of the slideway, as shown in Fig. 4, and the inner edge of the side 9 butting against the central support, as shown, while the knees 11 on the bottom of the chute engage the inside of the casing and the edge of the side 9' enters between the lapped edges of the casing 1. The chute is thus firmly held in position and cannot be dislodged by persons or heavy packages entering the chute from the slideway.

Having thus fully described my invention, I do not wish to be understood as limiting myself to the exact construction as herein set forth, as various slight changes may be made therein which would fall within the limit and scope of my invention, and I consider myself clearly entitled to all such changes and modifications.

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

1. The combination with a spiral slideway, of a casing therefor, said casing being provided with an opening therein, a switch or auxiliary chute independent of said slideway constructed to be inserted in said opening and to engage said slideway at an angle to lead an object from said slideway through said opening.

2. The combination with a spiral slideway,



of a casing therefor, said casing being provided with an opening therein, a switch or auxiliary chute independent of said slideway constructed to be inserted in said opening  
5 and to removably engage said slideway at an angle to lead an object from said slideway through said opening, and means for holding said switch or auxiliary chute in position.

3. The combination with a spiral slideway  
10 of a removable switch or auxiliary chute con-

structed to be placed on said slideway at a point intermediate the top and bottom of said slideway to lead an object from said slideway.

In testimony whereof I affix my signature 15  
in presence of two witnesses.

WILLIAM HUME LOGAN.

Witnesses:

OLIVIA WHITEHURST

GERTRUDE DOWLING.