No. 852,115. PATENTED APR. 30, 1907.

L. J. HARRIS.

RUNWAY OR GUIDE.

APPLICATION FILED FEB. 5, 1907.

2 SHEETS—SHEET 1.

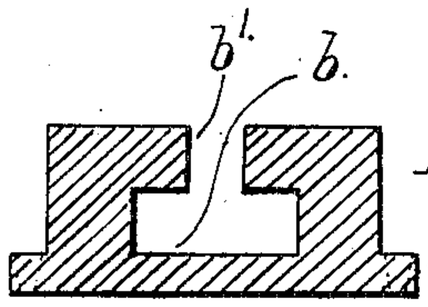

Fig. 8.

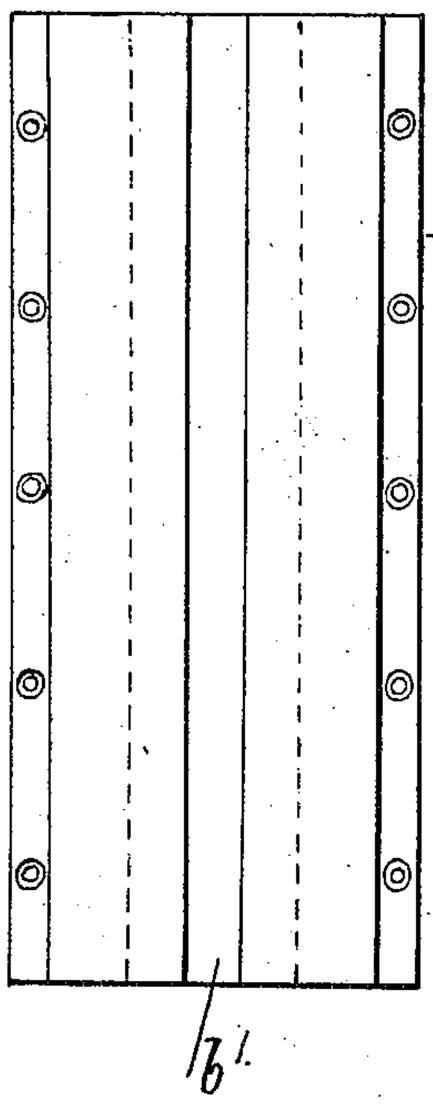

Fig. 6.

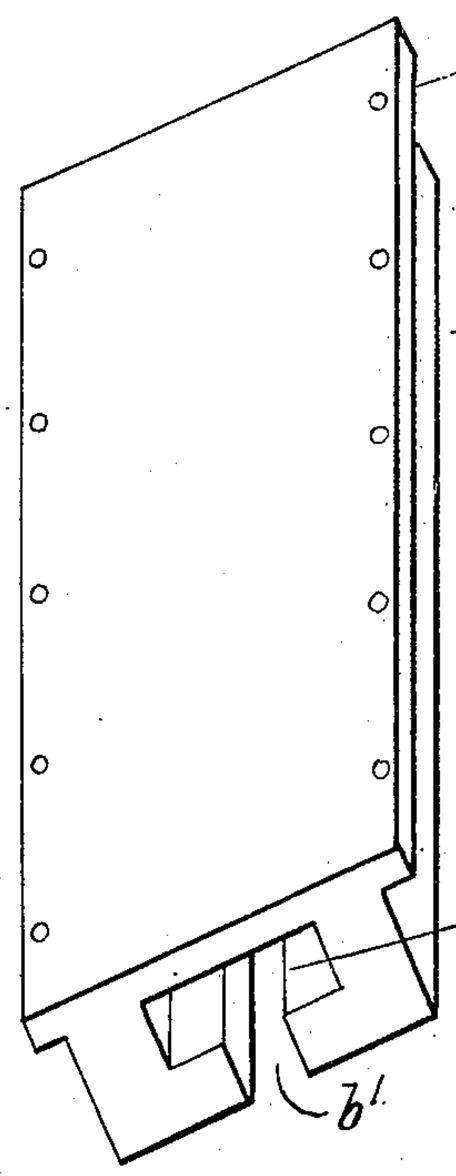

Fig. 7.

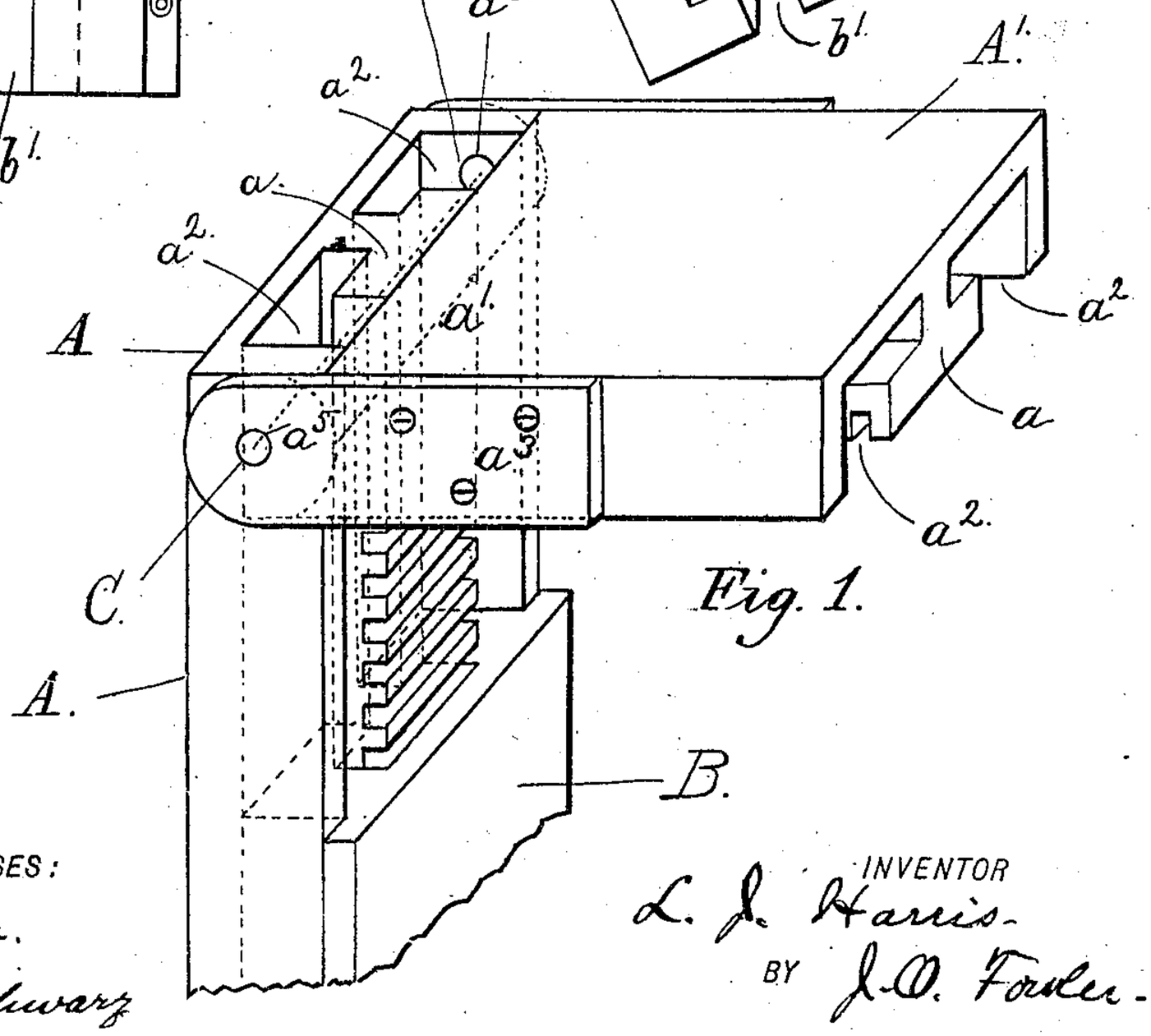

Fig. 1.

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2 SHEETS—SHEET 2.

Fig. 5.

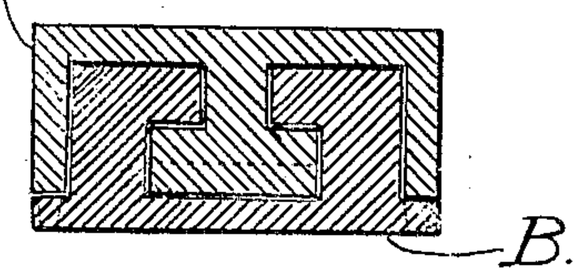


Fig. 4.

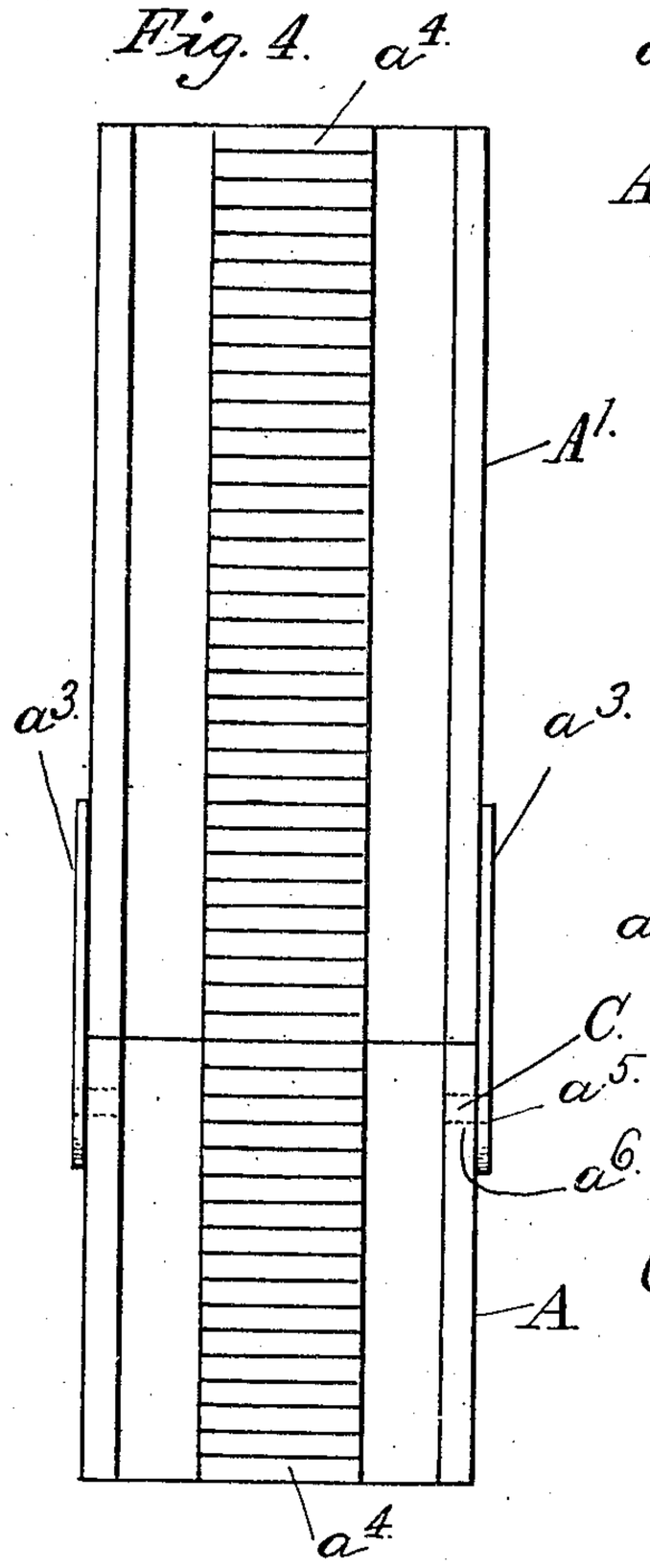


Fig. 2.

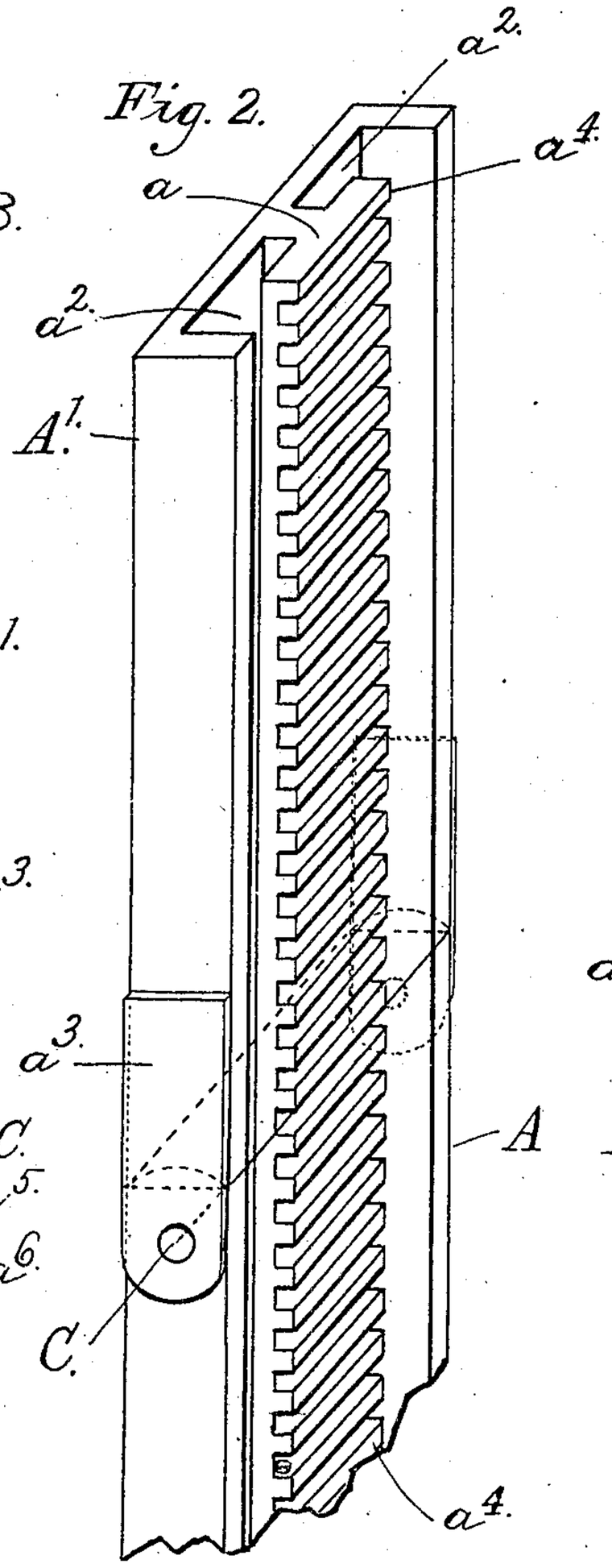
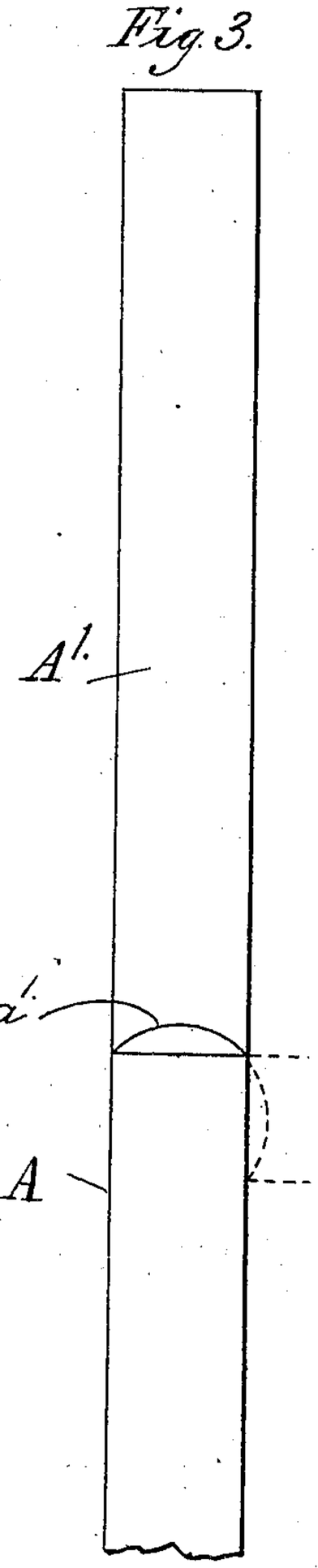


Fig. 3.



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UNITED STATES PATENT OFFICE.

LOUIE J. HARRIS, OF NEW YORK, N. Y.

RUNWAY OR GUIDE.

No. 852,115. Specification of Letters Patent. Patented April 30, 1907.

Application filed February 5, 1907. Serial No. 355,967.

To all whom it may concern:

Be it known that I, LOUIE J. HARRIS, a citizen of the United States of America, and a resident of New York, in the county and State of New York, have invented a certain new and useful Runway or Guide, of which the following is a specification, the same being 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.

This invention relates to a track or way, the members of which are constructed and arranged to be hinged or jointed together so as to be moved one toward the other in order to assume an angular relation, and also placed back in alinement again, whereupon the said track will present an unbroken face, the parts being also adapted to serve as a guide for a slide, and it has for its object the provision of an apparatus of the kind set forth, simple in construction, inexpensive to manufacture, and which is also efficient in practical use.

To attain the desired end, this, my invention, consists in the construction, arrangement and operation of parts herein set forth.

In order to enable the invention to be fully understood, I will proceed to explain the same by reference to the drawings, illustrative of one embodiment of the invention, which accompany and form a part of this specification, and in which

Figure 1 represents a perspective view of my jointed runway or guide in one position; Fig. 2 is a similar view of the same in another position; Fig. 3 is a side elevation and Fig. 4 a plan view of the runway shown in Fig. 2; Fig. 5 is a view in section taken on the line 5, 5, Fig. 1; Fig. 6 is a plan view and Fig. 7 a view in perspective of my slide; and Fig. 8 is a view in section taken on the line 8, 8, Fig. 6.

Like letters of reference indicate like parts in all the views.

Referring particularly by reference symbols or characters to the drawings, A denotes one member of my jointed runway or guide, the same, in this embodiment, being the lower member, which is preferably formed with a T-shaped track a, and ordinarily made so as to be undercut in contour by means of longitudinal grooves a^2, and also preferably having on the face of the track suitable engaging means as the rack a^4. The member A is also ordinarily formed with orifices, as a^6, for the pintles C of the joint. The member A′, in the present instance the upper member, is similarly formed, but has a concaved lower face a', in contour constituting the arc of a circle of which the pintles C form the axis. The upper member also has guiding or retaining means, as straps a^3, apertured at a^5 to receive the pintles C.

A slide B is constructed and arranged to work on the track a, as shown in Figs. 1 and 5, and to that end is formed with a recessed portion b, having a narrow neck b' and adapted to conform in contour to, and to register with, the undercut track a.

It will be observed that the lower and ordinarily stationary member A is constructed with a horizontal upper face and has the undercut track or runway formed on its inner longitudinal face, on which works the grooved slide B, and that it also has orifices for the pintles C of the joint, and that the upper and preferably movable member A′ has a similar track or runway, and is constructed with a concaved lower face forming an arc of a circle of which the pintles are the axis, and that the two members are connected and held in a relatively movable relation by means of straps apertured for the pintles of the joint.

The herein described runway or guide and hinge is intended to be used on doors and supports of elevators, dumb-waiters, etc., and for trap doors, and in all places where economy of space is necessary, and where the runs are to be of a continuous nature, and where it is desired that the edge of the opened door shall lie contiguous to the support therefor, instead of being swung outwardly therefrom in the ordinary manner, so that a continuous guide or runway may be formed thereon.

I wish it to be understood that I do not desire to be limited to the exact details of construction shown and described, for obvious modifications will occur to a person skilled in the art.

What I claim as my invention is:

1. A jointed runway or guide consisting of two members, the lower member being constructed with a horizontal upper face and having an undercut track or runway formed on its inner longitudinal face constructed and arranged to sustain a slide in working relation, and also having orifices for the pintles of the hinge, and the upper member having a similarly formed track or runway and being

constructed with a concave lower face forming an arc of a circle of which the pintles are the axis, and straps apertured for the pintles of the joint, in combination with pintles to engage the said orifices.

2. A jointed runway or guide consisting of two members, the lower member being constructed with a horizontal upper face and having an undercut track or runway formed on its inner longitudinal face constructed and arranged to sustain a slide in working relation, and also having orifices for the pintles of the hinge, and the upper member having a similarly formed track or runway and being constructed with a concave lower face forming an arc of a circle of which the pintles are the axis, and straps apertured for the pintles of the joint, in combination with pintles to engage the said orifices, and with a slide to work on the track or runway, the whole being arranged so that when the upper member occupies a horizontal position, the lower face of the said member rests against the inner longitudinal face of the lower member, and the upper face of the lower member and the outer longitudinal face of the upper member coincide, or lie in the same plane, and when the upper member occupies a vertical position, both the outer and inner longitudinal faces of the upper and lower members coincide, or lie in the same plane; whereby the slide will work freely along the runways or guides of the upper and lower members at will.

In testimony of the foregoing specification, I do hereby sign the same in the city of New York, county and State of New York, this 18th day of January 1907.

LOUIE J. HARRIS.

Witnesses:

ROB. SCHWARZ,

J. ODELL FOWLER.