

(No Model.)

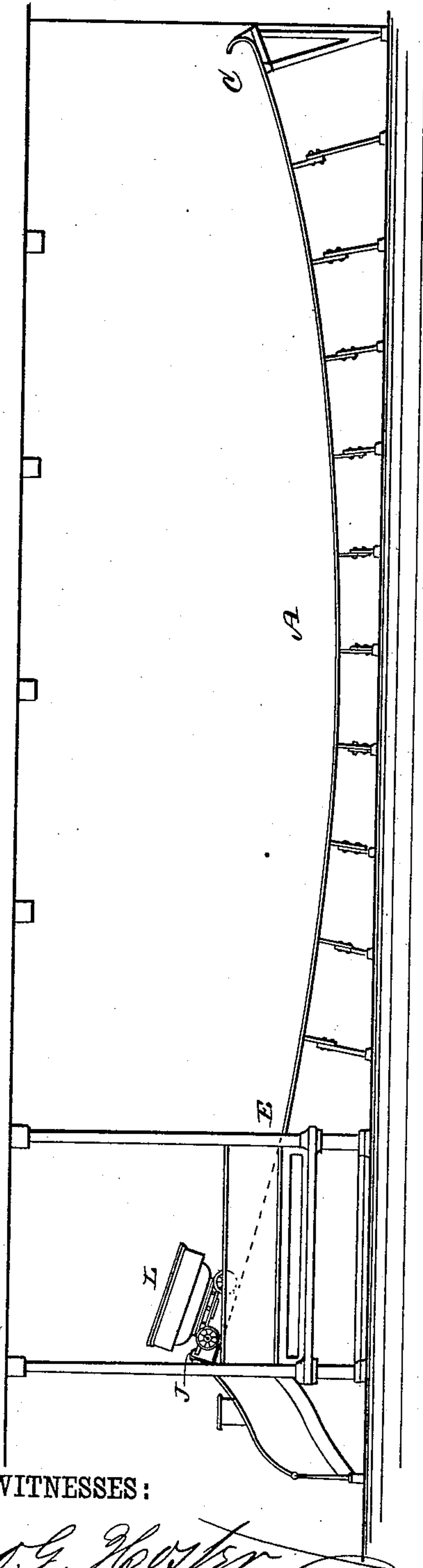
2 Sheets—Sheet 1.

M. GEBER.  
PARABOLIC RAILWAY AND CAR, &c.

No. 322,594.

Patented July 21, 1885.

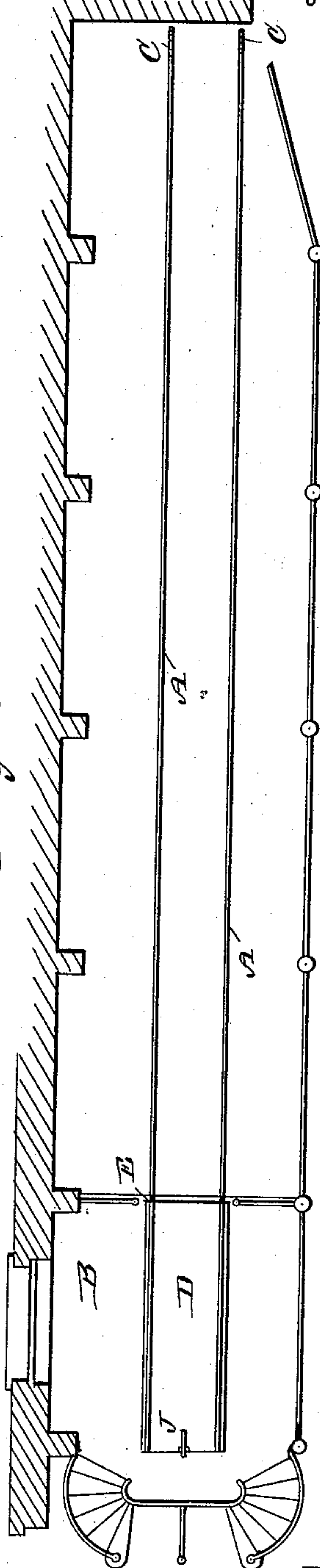
Fig. 1.



WITNESSES:

*Thos. G. Hoster.*  
*C. Sedgwick*

Fig. 2.



INVENTOR:

*M. Geber*

BY

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Fig. 4.

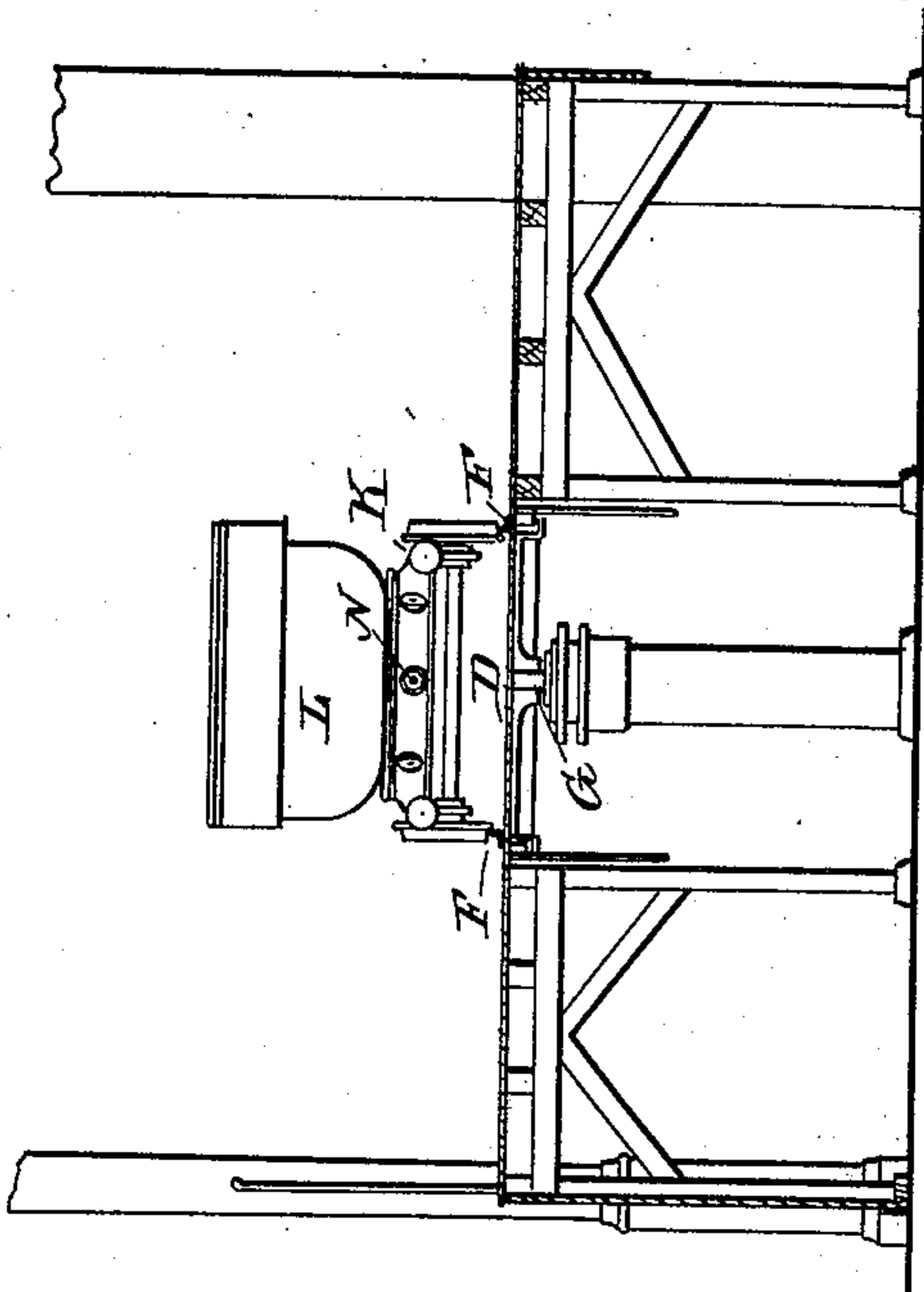


Fig. 3.

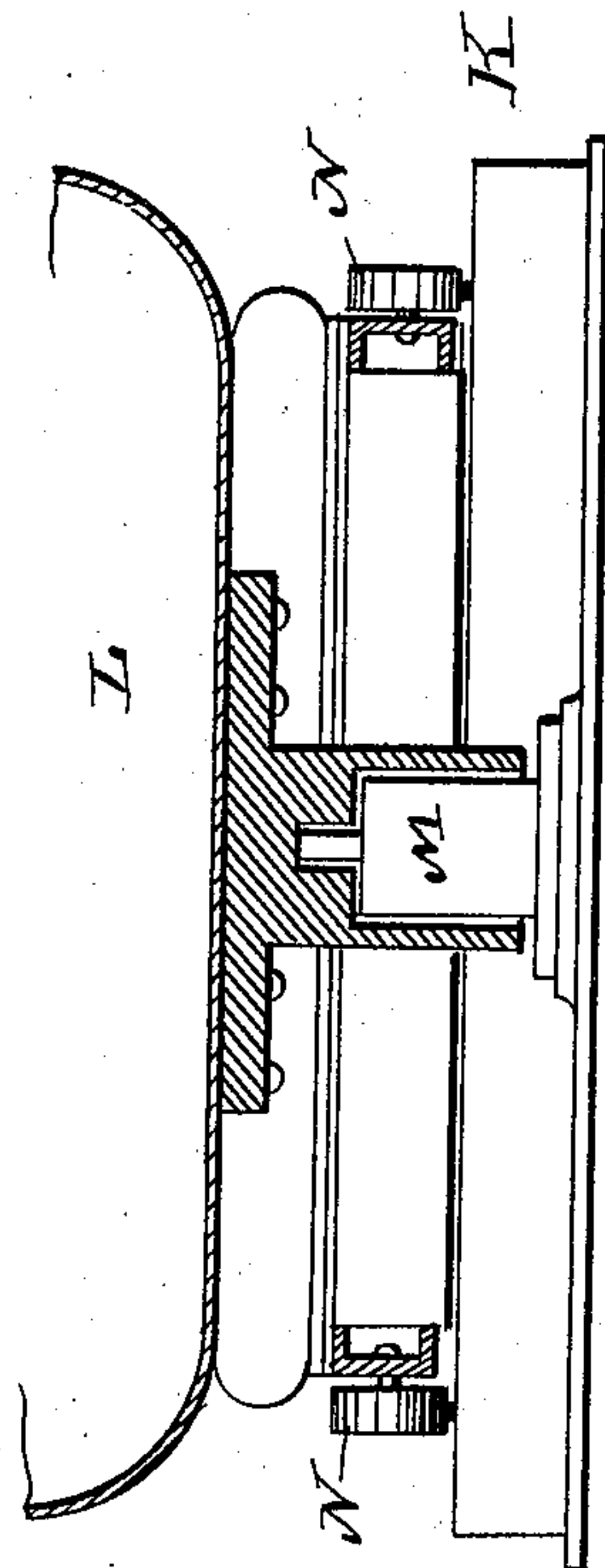
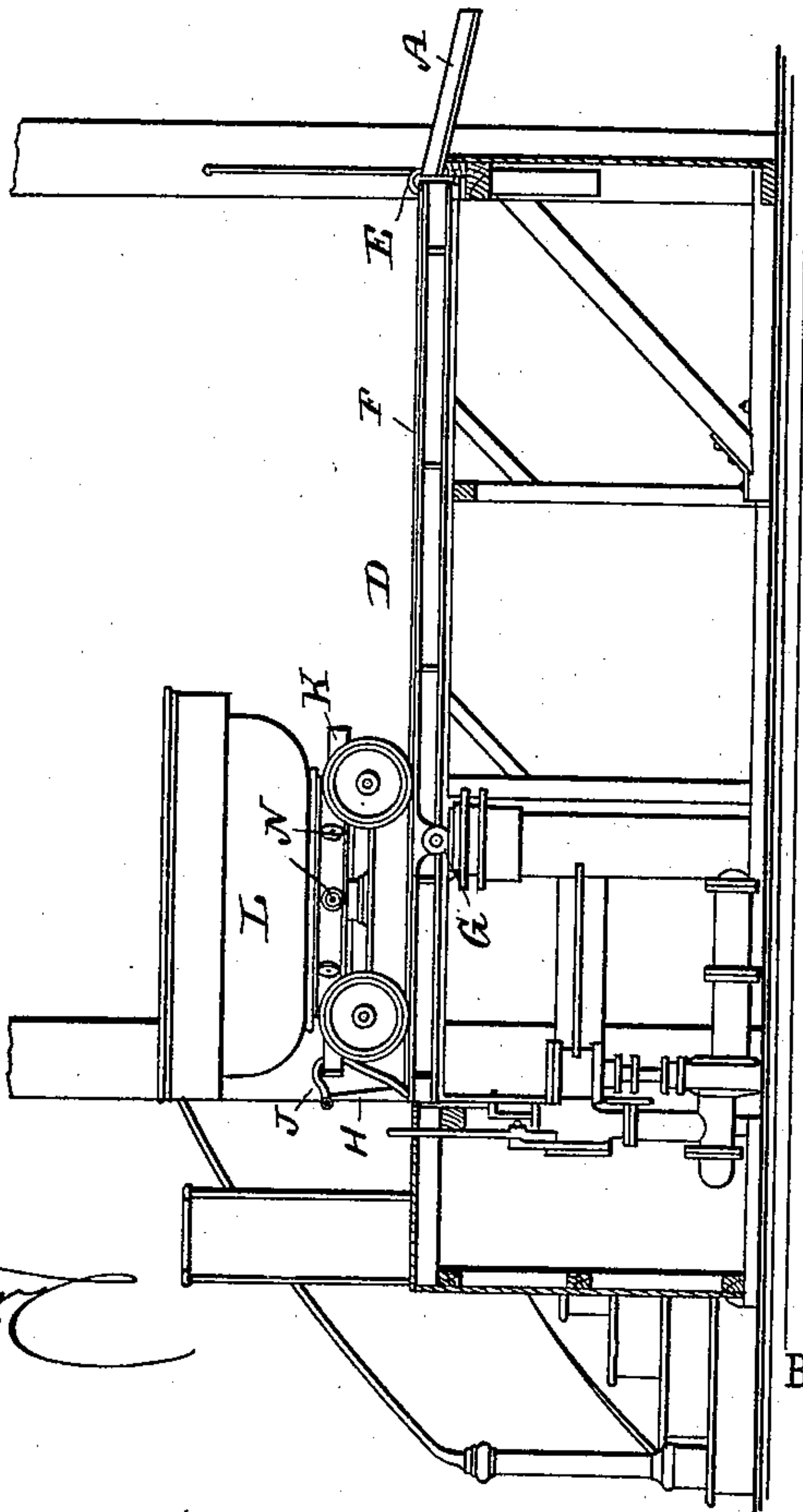


Fig. 5.

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# UNITED STATES PATENT OFFICE.

MORITZ GEBER, OF BERLIN, GERMANY.

## PARABOLIC RAILWAY AND CAR, &c.

SPECIFICATION forming part of Letters Patent No. 322,594, dated July 21, 1885.

Application filed November 12, 1884. (No model.) Patented in Belgium September 22, 1882, No. 42,670; in Austria-Hungary December 20, 1883, No. 37,274 and No. 51,506, and in Germany April 9, 1884, No. 26,518.

*To all whom it may concern:*

Be it known that I, MORITZ GEBER, of Berlin, Germany, have invented a new and Improved Parabolic Railway and Cars used on the same, of which the following is a full, clear, and exact description.

This invention relates to certain new and useful improvements in the mechanism for starting the cars, and to the peculiar movement of the cars on parabolic or gravity railways.

The invention consists in the construction and arrangement of parts, as will be herein-after fully described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of my improved parabolic railway. Fig. 2 is a plan view of the same. Fig. 3 is an enlarged longitudinal sectional elevation of the starting-platform. Fig. 4 is an end view of the same. Fig. 5 is an enlarged longitudinal sectional elevation of the car.

The parabolically-curved rails A are held on suitable supports and have one end rested against one edge of a platform, B, and the opposite ends are bent over to form hooks, bumpers, or stops C.

The middle part, D, of the platform is hinged at E and carries the rails F, which are in line with the rails A. The hinged part D is pivoted at or near its free end to the piston-rod G of an hydraulic machine, or to any other vertically-moving piston, by means of which the free end of the hinged part D can be raised.

On the free end of the hinged part D a standard, H, is provided, on which a hook, J, is pivoted, which is adapted to catch on the truck K of the car L, and thus hold the same in place.

The car body or box L is arranged to revolve on a pivot, M, on the truck K, and is

provided with a series of rollers, N, arranged in a circle and adapted to revolve on the truck K.

The length of the parabolic track is regulated by the size of the car and the number of occupants it is to hold.

The operation is as follows: The car is placed on the hinged part D, which is horizontal, and the car is held in place by the hook J. The occupants enter the car and the free end of the hinged part D is raised until the tracks F form a continuation of the parabolic track, as is shown in Fig. 1. The hook J is raised, the car is released and runs over the tracks to the hook-ends of the rails and then back upon the hinged part D, which has been lowered in the meantime, and the car is then held in place by means of the hook J. The part D is then again raised, and so on. Just before releasing the car the attendant gives the top or body L a turn so that it revolves on the pivot M while running over the track A.

I am aware that it is old in railways of this class to hinge the platform, as above described, and to raise its free end by means of a lever and chain; also that the car-body has been pivoted centrally to the truck and that the truck has been provided with a circular track on which run a circular series of rollers secured to the car-body, and I do not claim, broadly, such construction as of my invention.

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

The combination, with parabolic rails, of a hinged platform, a hook on the same, and a hoisting or lifting device for raising the free end of the platform, substantially as herein shown and described.

In testimony that I claim this as my own I have hereunto set my hand.

MORITZ GEBER.

Witnesses:

B. ROY,  
JOHN R. ROSLYN.