

H. PICKARD.

MOVING STAIRWAY, SWITCHBACK SLIDE, AND AMUSEMENT DEVICE.

APPLICATION FILED MAR. 28, 1918.

1,294,701.

Patented Feb. 18, 1919.

4 SHEETS—SHEET 1.

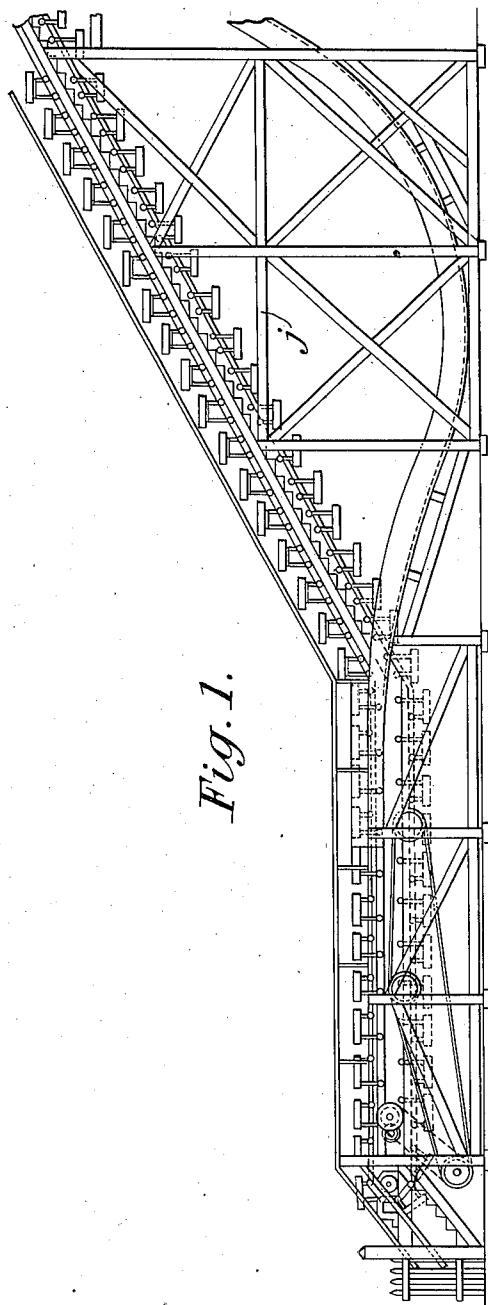


Fig. 1.

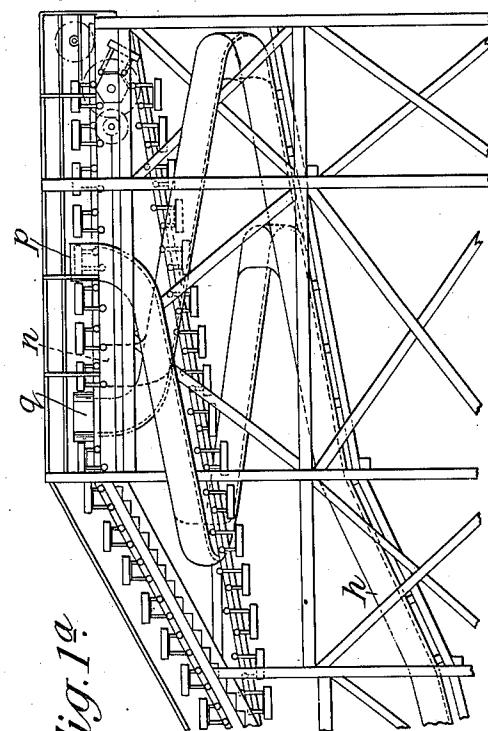


Fig. 1a

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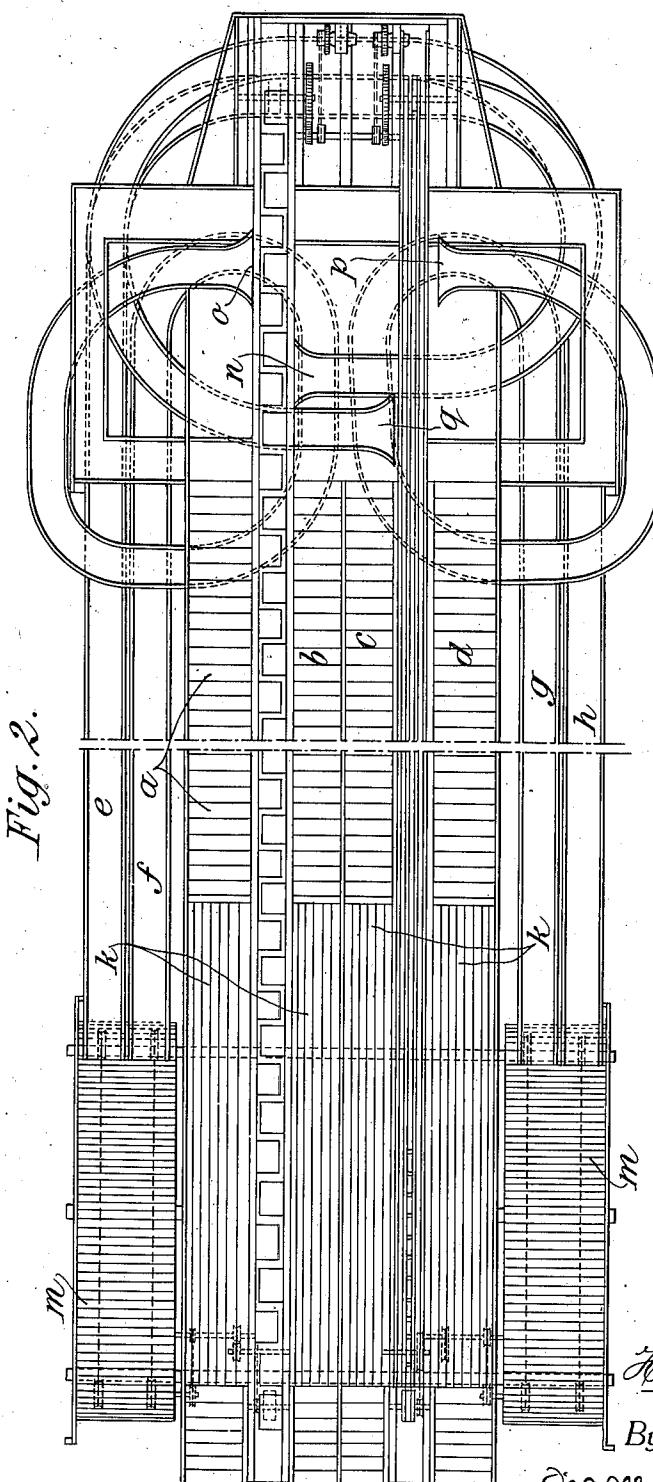
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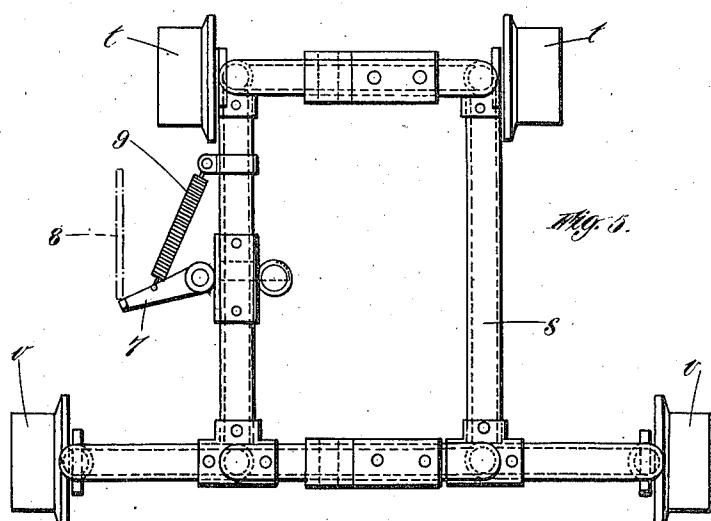
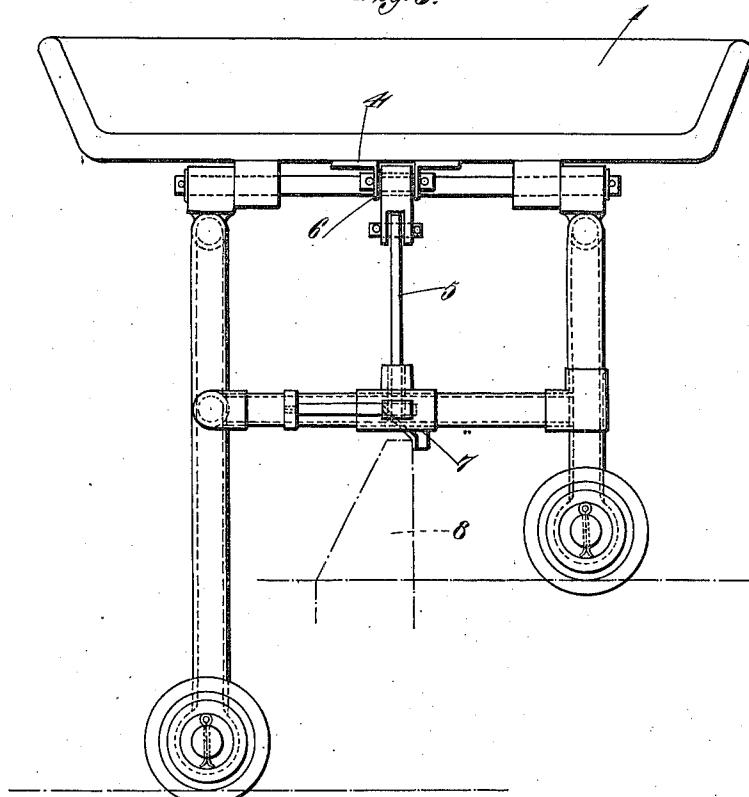
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*Mfg. 3.*

4 SHEETS—SHEET 3.



INVENTOR:

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By Atty's

Dresser, Durk & Mayne

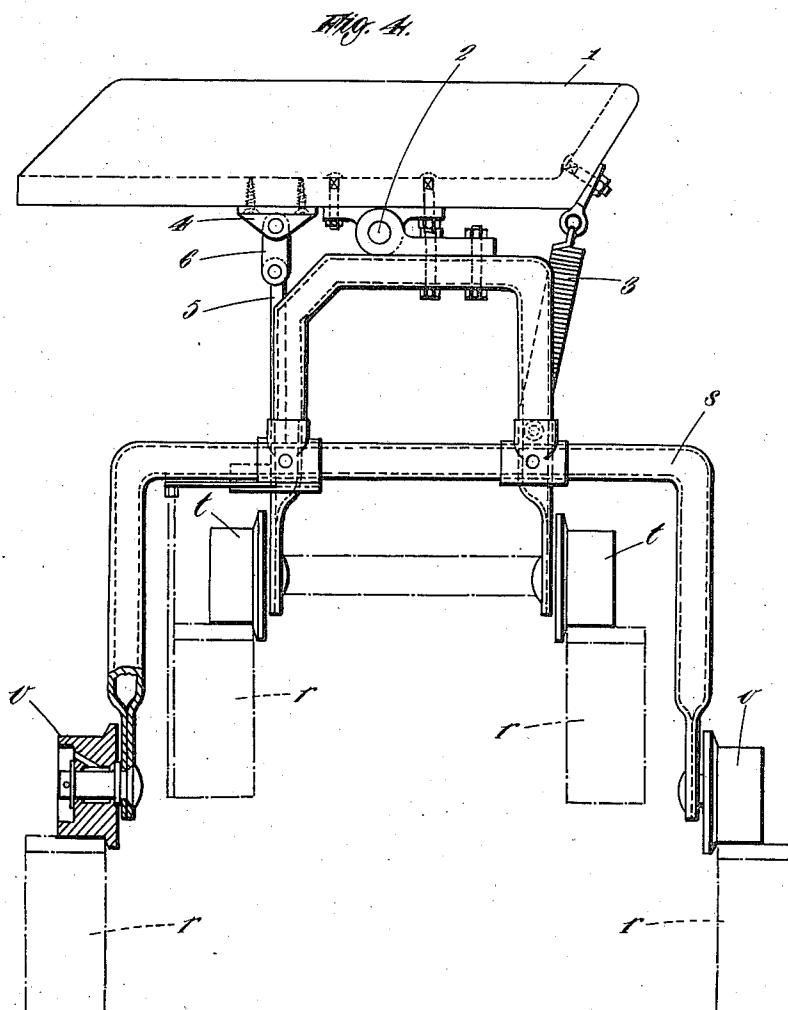
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4 SHEETS—SHEET 4.



INVENTOR:

Harold Pickard  
By Atlys

Draser, Dark & Meyers

# UNITED STATES PATENT OFFICE.

HAROLD PICKARD, OF WHITLEY BAY, ENGLAND.

MOVING STAIRWAY, SWITCHBACK-SLIDE, AND AMUSEMENT DEVICE.

1,294,701.

Specification of Letters Patent. Patented Feb. 18, 1919.

Application filed March 28, 1918. Serial No. 225,194.

To all whom it may concern:

Be it known that I, HAROLD PICKARD, of 24 Warkworth avenue, Whitley Bay, in the county of Northumberland, England, ship-  
5 yard plater, subject of the King of Great Britain and Ireland, have invented certain new and useful Improvements in or Relating to Moving Stairways, Switchback-Slides, and Amusement Devices, of which  
10 the following is a specification.

This invention relates to moving stairways, switchback slides and amusement devices. The object of this invention is to provide an improved amusement device.

15 An amusement device made in accordance with this invention comprises a moving stairway formed of a continuous element, step like members mounted on said continuous element, a platform at the foot of the  
20 stairway, a platform at the top of the stairway, seats disposed on said step like elements of the stairway, means for tilting the seats at the upper platform, a chute leading from the upper platform downward,  
25 and a conveyer at the foot of the chute.

Referring to the drawings filed here-  
with:

30 Figs. 1 and 1<sup>a</sup> are diagrammatic elevations of one form of amusement device made in accordance with this invention;

Fig. 2 is a plan thereof;

Fig. 3 is a side elevation of a car;

Fig. 4 is an end elevation of a car;

Fig. 5 is a plan of car frame.

35 In one form of amusement device made in accordance with this invention there are four stairways *a b c d* side by side centrally disposed and two chutes *e f* and *g h* on each side respectively. The stairways  
40 and chutes are mounted on a staging *j*; at the foot of each stairway is a loading platform *k k*, and at the bottom of each chute is a conveyer *m m*. At the top of the staging are disposed the gangways *n o p q* of the  
45 four chutes, one leading from the side of each stairway. The chutes may be spiral or otherwise curved and set to any desired inclination or gradient. On the staging are mounted tracks *r r* adapted to support the  
50 wheels of the cars or elements on the upward and return journeys. The cars may comprise a frame *s* on which are mounted two pairs of wheels *t t* and *v v*, the front pair

*t t* being adapted to travel on a more narrow gage than the rear pair. A seat *1* is pivoted at *2* to each frame *s* and a spring *3* connected to the seat *1* and to the frame *s* is adapted to hold the seat in its horizontal or normal position and to return it to that position after it has been tilted. On the seat is a cleat *4* connected to a trigger bolt *5* by a link *6*. On the frame *s* is pivoted a trigger *7* adapted to engage a striker plate *8* on the staging or track. The trigger is kept in its normal position by a spring *9*.

60 In operation the cars are loaded one by one and ascend step by step. When a car has ascended to a position opposite a chute the trigger *7* strikes the striker plate *8* which causes the trigger bolt *5* to be drawn, 70 whereupon the seat *1* is tilted and the passenger tipped on to the chute down which he slides, a suitable mat or tray being provided if desired. On reaching the bottom of the chute he lands on a conveyer *m* which moves 75 him away to give room for the next arrival.

What I claim as my invention, and desire to secure by Letters Patent, is:—

1. An amusement device comprising a moving stairway formed of a continuous 80 element, step like members mounted on said continuous element, a platform at the foot of said stairway, a platform at the top of said stairway, seats disposed on the step like members, means for tilting said seats at 85 the upper platform, a chute leading from the upper platform downward and a conveyer at the foot of the chute.

2. An amusement device comprising a moving stairway formed of a continuous 90 element, step like members mounted on said continuous element, a platform at the foot of the said stairway, a platform at the top of said stairway, seats disposed on the step like members, said seats being pivoted to 95 said step like members, a spring connection between said seat and said step like members adapted to hold the seat in its horizontal position, and means for tilting said seat at the upper platform, a chute leading from 100 the upper platform downward, and a conveyer at the foot of the chute.

In witness whereof, I have hereunto signed my name.

HAROLD PICKARD.