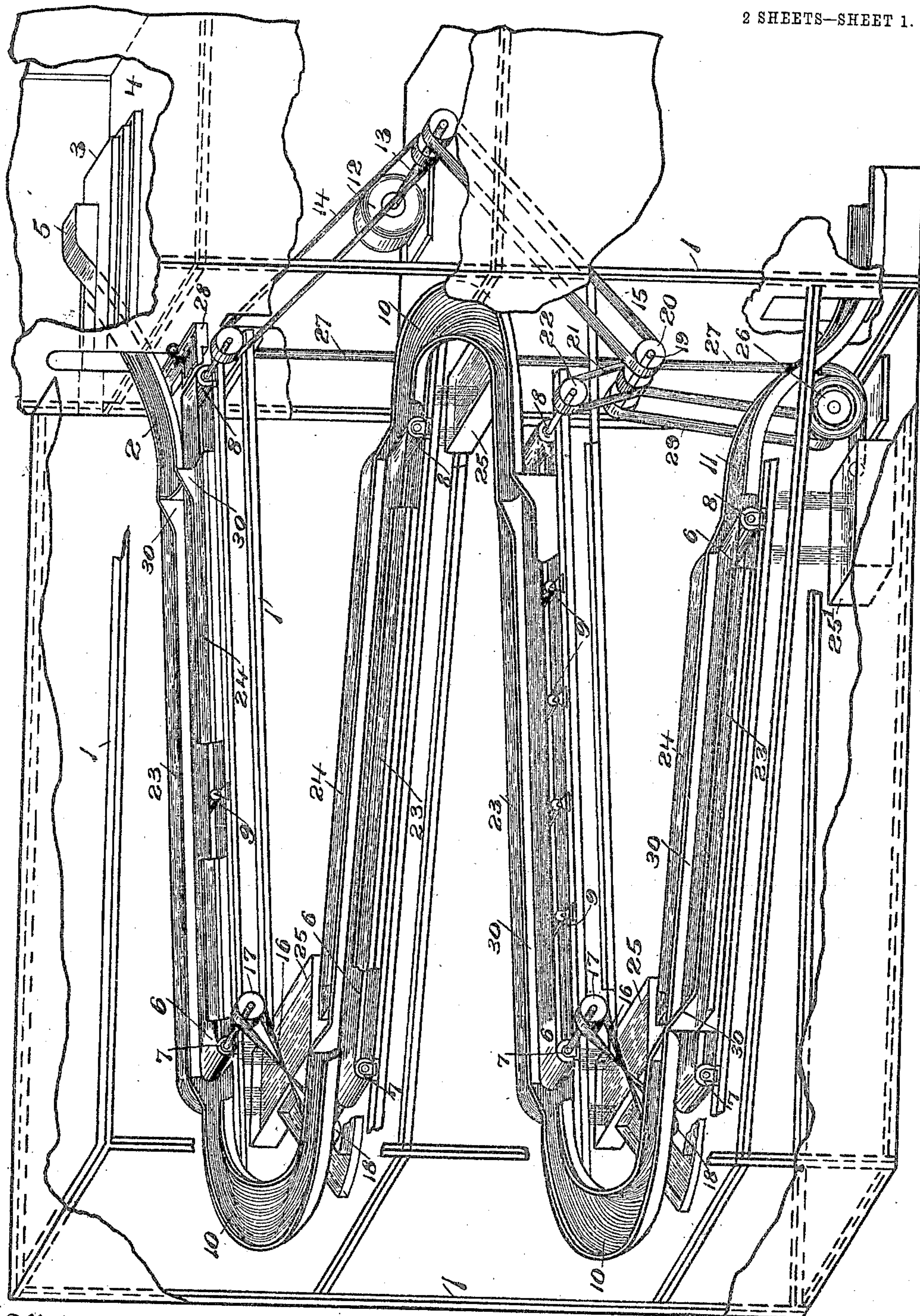


No. 811,315.

PATENTED JAN. 30, 1906.

F. J. McCABE.
AMUSEMENT APPARATUS.
APPLICATION FILED OCT. 19, 1904.

2 SHEETS—SHEET 1.



Witnesses
Augusta White
P. Salani.

Fig. 1.

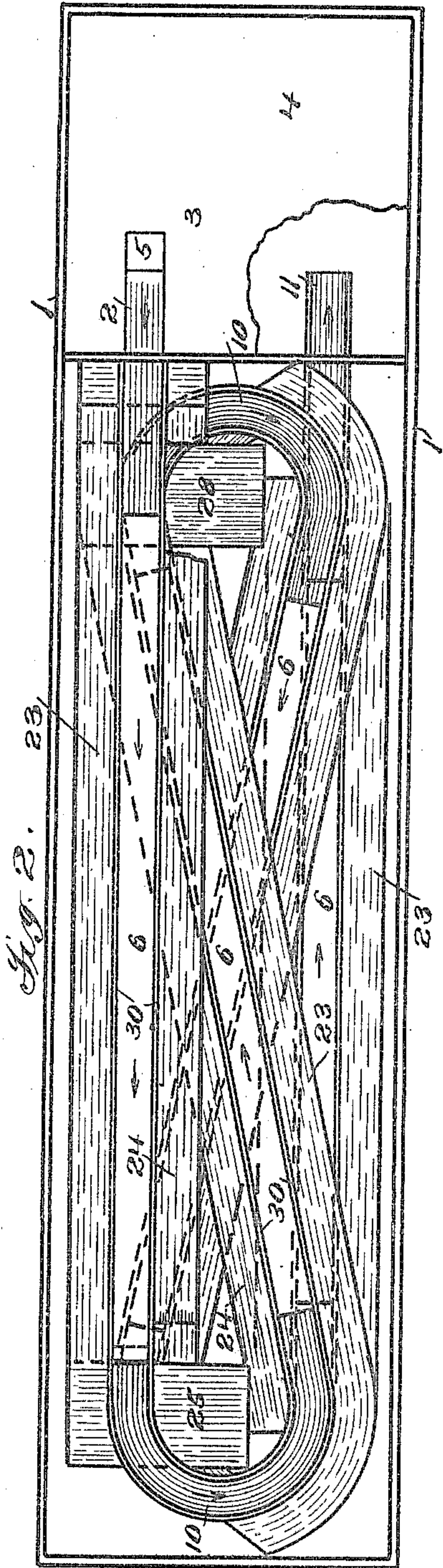
Franklin J. McCabe, Inventor
By his Attorneys
Philip J. Brown, Res. Kennedy

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AMUSEMENT APPARATUS.
APPLICATION FILED OCT. 19, 1904.

2 SHEETS—SHEET 2.



Witnesses
Augusta White
G. Galiani

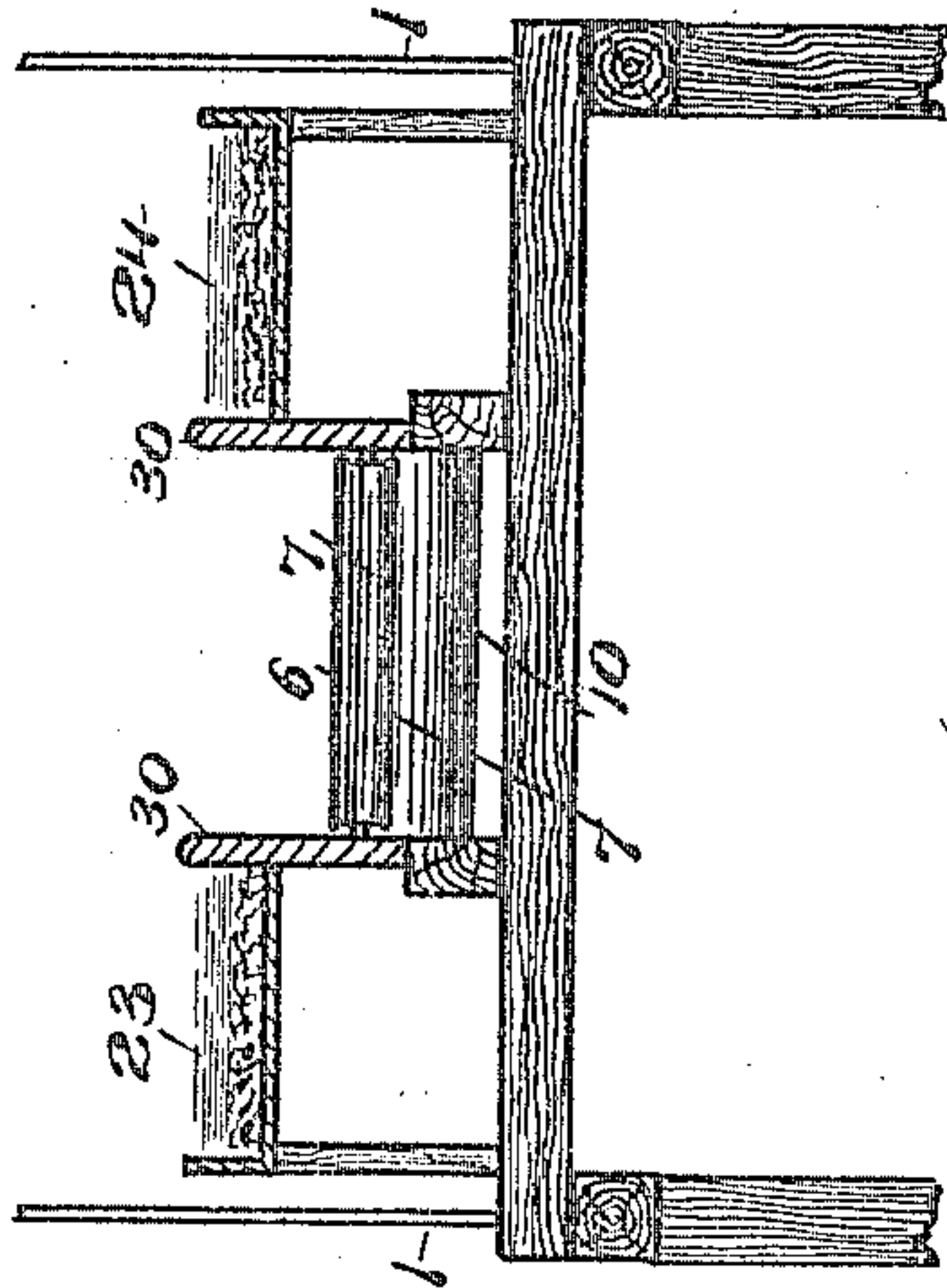


Fig. 3.

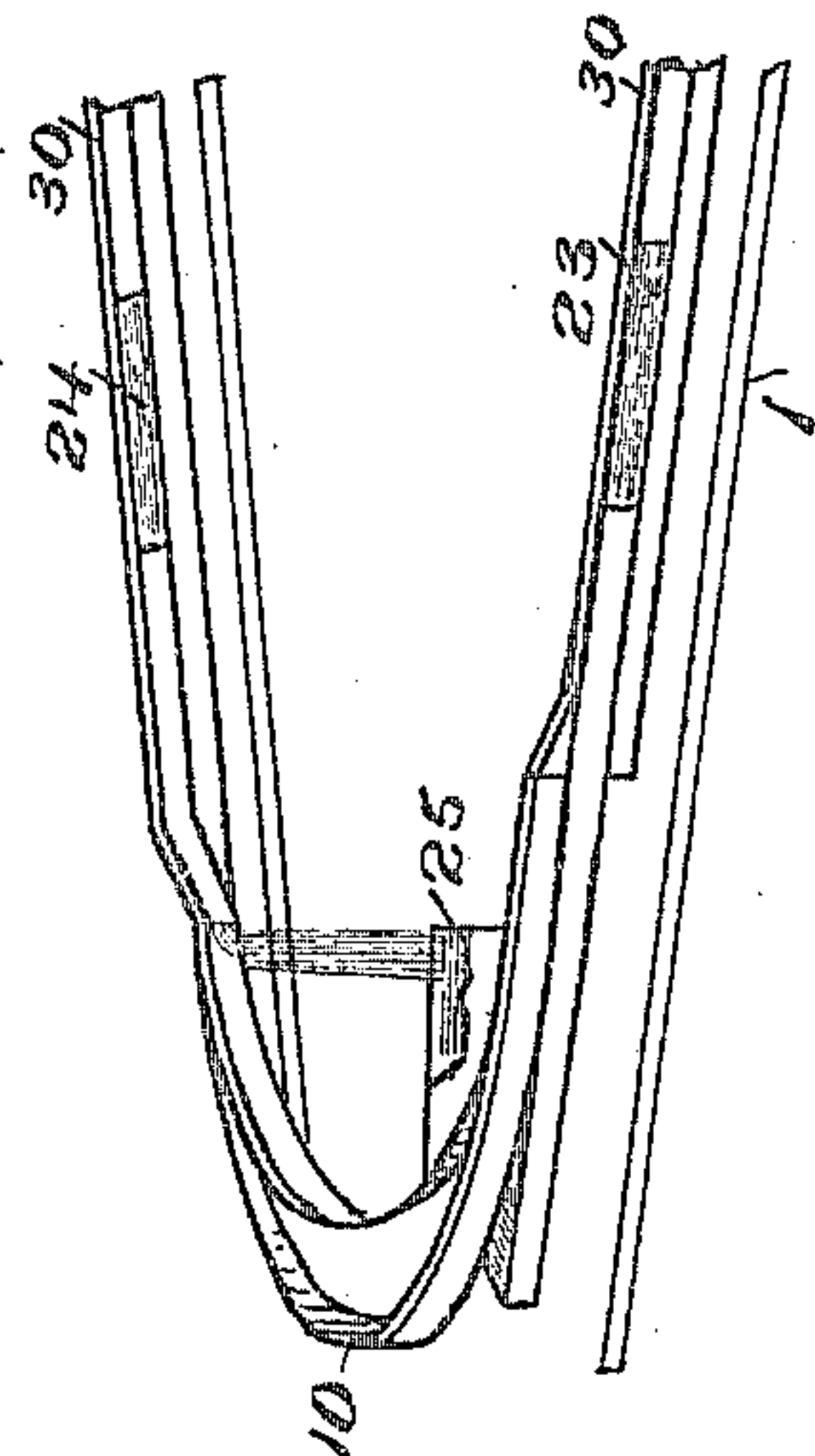


Fig. 4.

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UNITED STATES PATENT OFFICE.

FRANKLIN J. McCABE, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO AXEL S. FR. BERQUIST AND ONE-HALF TO FREDERICK TENCH, BOTH OF NEW YORK, N. Y.

AMUSEMENT APPARATUS.

No. 811,315.

Specification of Letters Patent.

Patented Jan. 30, 1906.

Application filed October 19, 1904. Serial No. 229,067.

To all whom it may concern:

Be it known that I, FRANKLIN J. McCABE, a citizen of the United States, residing at New York, county of New York, and State of New York, have invented certain new and useful Improvements in Amusement Apparatus, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 This invention relates to certain improvements in amusement apparatus, and has for its object to produce a novel and improved apparatus for providing sport and amusement at pleasure-resorts.

15 With this and other objects in view the invention consists in certain novel apparatus, which will be hereinafter more fully described, the particular features of the invention being then specifically referred to.

20 Referring to the drawings, Figure 1 is a diagrammatic side elevation of one form of apparatus embodying the invention, certain parts of the frame of the apparatus being shown as broken away. Fig. 2 is a plan view. Figs. 3 and 4 are detail views.

Referring to the drawings, which illustrate one form of apparatus in which the invention may be embodied, 1 indicates a frame, which may be of any suitable construction and configuration, the construction and configuration varying according to the particular apparatus in which the invention is embodied. The apparatus, whatever its form may be, will include what is herein termed a "slide-route." This route comprises a plurality of courses. In the particular construction shown the first course includes a sharply-inclined slideway, (marked 2,) which is or may be reached from a raised platform, (marked 3,) 40 this platform, as shown, resting on a floor 4, to which access may be had in any desired manner, as by stairs or an elevator. (Not shown.) The upper end of this slideway may be leveled off, as indicated at 5, to provide a starting-surface for the pleasure-seeker. This slideway communicates with what may be termed the "second course," which may be variously constructed and arranged. In the best constructions the second course will include a carrier 6, which may be formed by an endless belt which is supported by rollers 7 and 8. When this course is formed, as in the apparatus selected to embody the invention,

by means of an endless flexible belt, intermediate supporting-rollers 9 are or may be employed, these rollers causing a slight jolting or bumping sensation as the pleasure-seeker passes over them. In the best constructions the supporting-surface of the carrier will be located below the delivery end of the starting 60 incline, so that a sudden descent or drop is obtained in passing from the incline to the carrier.

The course succeeding the second course may be variously constructed and arranged. 65 In the best constructions, however, this course will include a curved slideway 10, which is also inclined, so that as the pleasure-seeker passes from the preceding course to it he will slide rapidly down it. In the best constructions, also, this curved slideway will have its receiving end located below the delivery end of the preceding course, so as to provide a sudden descent or drop between the courses. 75

The succeeding courses of the slide-route where more than two courses are employed may be variously constructed and arranged. In the particular apparatus shown these courses are formed by repeating in alternation the carrier 6 and the curved slideway 10. In the best constructions the succeeding courses, however they may be formed, will be so arranged that the delivery end of each course will be on a higher level than the receiving end of the succeeding course, so as to provide the sudden descent from course to course, hereinbefore described. 85

The slide-route may terminate in various ways. In the construction selected to illustrate the invention the termination of the slide-route is formed by a more or less sharply-inclined slideway 11. 90

When portions of the route are formed, as in the apparatus illustrated, by carrier-belts, 95 these belts may be driven in any suitable manner. As shown, there is provided a motor, (diagrammatically illustrated at 12,) the shaft 13 of this motor operating driving-belts 14 and 15. The driving-belt 14 runs over a pulley on the shaft 8 of the upper carrier-belt, thus driving this belt. In the particular construction shown the second carrier-belt is driven from the first belt by means of a belt 16 and a pulley 17, mounted on the shaft of 105 the carrier-belt-supporting roller 7, this belt

16 running around a pulley 18 on the shaft of a roller supporting the belt next succeeding it. The belt 15 drives a shaft 19 by means of a pulley 20, and from this shaft the
 5 third carrier-belt is driven by means of a belt 21 and a pulley 22. The third belt drives the fourth belt by means of pulleys and belts similar to those by which the first belt drives the second belt.

10 When the slide-route embodies curved courses, the route as a whole may, if desired, be arranged in the general form of a spiral; but in the preferred construction the courses will be arranged to cross each other in the
 15 form generally referred to as a "figure 8" form, as shown in Fig. 2.

In the best forms of construction embodying the invention a waterway will be provided, said waterway being located adjacent to the route and extending along some or all of the courses. In the construction shown this waterway comprises two channels 23 and 24, one lying on each side of the course formed by the first carrier. It is obvious that a single channel might be employed, if desired. In order to add to the scenic effect of the apparatus as a whole, the waterway will in the best constructions be so made as to provide falls or rapids at suitable
 25 points. In the particular construction shown this is effected by breaking the channels at suitable points, the water from the channels falling into containers 25, which containers communicate with succeeding channels.

30 Where economy in water-supply is of importance, the same water may be reused, the final channels delivering into a container 25', from which the water is raised by a pump (diagrammatically indicated at 26) through
 35 a pipe 27 to a container 28, located at any suitable point near the beginning of the route. In the particular construction shown the pump is indicated as being driven by a suitable belt, as 29, from the shaft 19, before
 40 referred to.

When the apparatus embodying the invention includes curved courses, the best effect may be obtained by breaking the waterway at the beginning of the curved courses, and
 45 this arrangement will also cheapen the construction of the apparatus.

While the apparatus may be used in various ways, in the particular construction shown it is intended that the pleasure-seeker
 50 shall assume a sitting posture on the level part above the slideway 2. He then slides down this way, obtaining sufficient velocity to land upon the belt, after which he is carried by the belt to the curved slideway by
 55 which he is delivered to the next belt, and so on until he has completed the route, the termination of the route being marked, as before stated, by the delivery-slideway 11.

In the best constructions where a carrier is
 60 employed the carrier will be located, as indi-

cated in Fig. 3, between side walls 30, which will be high enough to prevent any person from falling off the carrier. When the slide-route includes curved slideways, such as shown in the particular apparatus illustrated, 70 the sides of these ways will be made high enough so that there will be no possibility of any person falling over the edge of this portion of the route.

Changes and variations may be made in the construction by which the invention is carried into effect, and certain features might be used, if found desirable, independently of other features. The invention is not, therefore, to be limited to the specific construction 80 herein described and illustrated.

What is claimed is—

1. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels whereby
 85 a sudden descent from course to course is obtained in passing along the route, substantially as described.

2. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels whereby
 90 a sudden descent from course to course is obtained in passing along the route, and a waterway adjacent one or more of the courses, substantially as described.

3. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels whereby
 95 a sudden descent from course to course is obtained in passing along the route, and a waterway adjacent one or more of the courses, the waterway being constructed to provide rapids or falls, substantially as described.

4. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of
 100 said courses including a moving carrier-belt, substantially as described.

5. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of
 105 said courses including a moving carrier-belt, and a waterway adjacent one or more of the courses, said waterway being constructed to provide falls, substantially as described.

6. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, the first of said courses being sharply inclined to afford starting velocity, substantially as described.
 115

7. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of
 120 said courses including a carrier-belt and the next succeeding course including a slideway, substantially as described.

8. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of
 130

said courses including a carrier-belt and the next succeeding course including a slideway, and a waterway adjacent one or more of the courses, said waterway being constructed to provide rapids or falls, substantially as described.

9. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of said courses including a carrier-belt and the next succeeding course including a curved slideway, substantially as described.

10. In an amusement apparatus, a slide-route comprising a plurality of courses having adjacent ends at different levels, one of said courses including a carrier-belt and the next succeeding course including a curved slideway, and a waterway adjacent one or more of the courses, said waterway being constructed to provide rapids or falls, substantially as described.

11. In an amusement apparatus, a slide-route comprising a plurality of successive courses, one of said courses including a carrier-belt and the next succeeding course including a slideway, substantially as described.

12. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course including a slideway, substantially as described.

13. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course including a slideway, and a waterway adjacent one or more of the courses, said waterway being constructed to provide rapids or falls, substantially as described.

14. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course including a curved slideway, substantially as described.

15. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course including a curved slideway, and a waterway adjacent one or more of the courses, said waterway being constructed to provide rapids or falls, substantially as described.

16. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course including a slideway, the

end of the first course being located above and overlapping the second, and the end of the second course being located above and overlapping the end of the third course, substantially as described.

17. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course a curved slideway, the end of the first course being located above and overlapping the second course, and the end of the second course being located above and overlapping the end of the third course, substantially as described.

18. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to afford starting velocity, the next succeeding course including a carrier-belt, and the next succeeding course a curved slideway, the end of the first course being located above and overlapping the second course, and the end of the second course being located above and overlapping the end of the third course, and a waterway adjacent one or more of the courses, said waterway being constructed to provide rapids or falls, substantially as described.

19. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to provide starting velocity, and alternating courses thereafter including carrier-belts and curved slideways, the route terminating in a sharply-inclined delivery-slideway, substantially as described.

20. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to provide starting velocity, and alternating courses thereafter including carrier-belts and curved slideways, the route terminating in a sharply-inclined delivery-slideway, and a waterway adjacent the route, substantially as described.

21. In an amusement apparatus, a slide-route comprising a plurality of courses, the first of said courses being sharply inclined to provide starting velocity, and alternating courses thereafter including carrier-belts and curved slideways, the route terminating in a sharply-inclined delivery-slideway, and a waterway adjacent the route, said waterway being constructed to provide falls or rapids at various points, substantially as described.

22. In an amusement apparatus, a slide-route comprising a sharply-inclined starting-slideway, a carrier-belt, the receiving end of which is below the delivery end of the starting-slideway, a curved slideway adjacent the delivery end of the belt, the receiving end of said slideway being below the delivery end of the belt, a second carrier-belt having its re-

ceiving end below the delivery end of the curved slideway, the route terminating in a sharply-inclined delivery-slideway, substantially as described.

5 23. In an amusement apparatus, a slide-
route comprising a sharply-inclined starting-
slideway, a carrier-belt, the receiving end of
which is below the delivery end of the start-
ing-slideway, a curved slideway adjacent the
10 delivery end of the belt, the receiving end of
said slideway being below the delivery end of
the belt, a second carrier-belt having its re-
ceiving end below the delivery end of the
curved slideway, the route terminating in a
15 sharply-inclined delivery-slideway, and a wa-
terway adjacent the route, substantially as
described.

24. In an amusement apparatus, a slide-
route comprising a sharply-inclined starting

slideway, a carrier-belt, the receiving end of 20
which is below the delivery end of the start-
ing-slideway, a curved slideway adjacent the
delivery end of the belt, the receiving end of
said slideway being below the delivery end of 25
the belt, a second carrier-belt having its re-
ceiving end below the delivery end of the
curved slideway, the route terminating in a
sharply-inclined delivery-slideway, and a wa-
terway adjacent the route, said waterway be-
ing constructed to provide falls or rapids at 30
various points, substantially as described.

In testimony whereof I have hereunto set
my hand in the presence of two subscribing
witnesses.

FRANKLIN J. McCABE.

Witnesses:

W. H. KENNEDY,
AUGUSTA WHITE.