

No. 840,284.

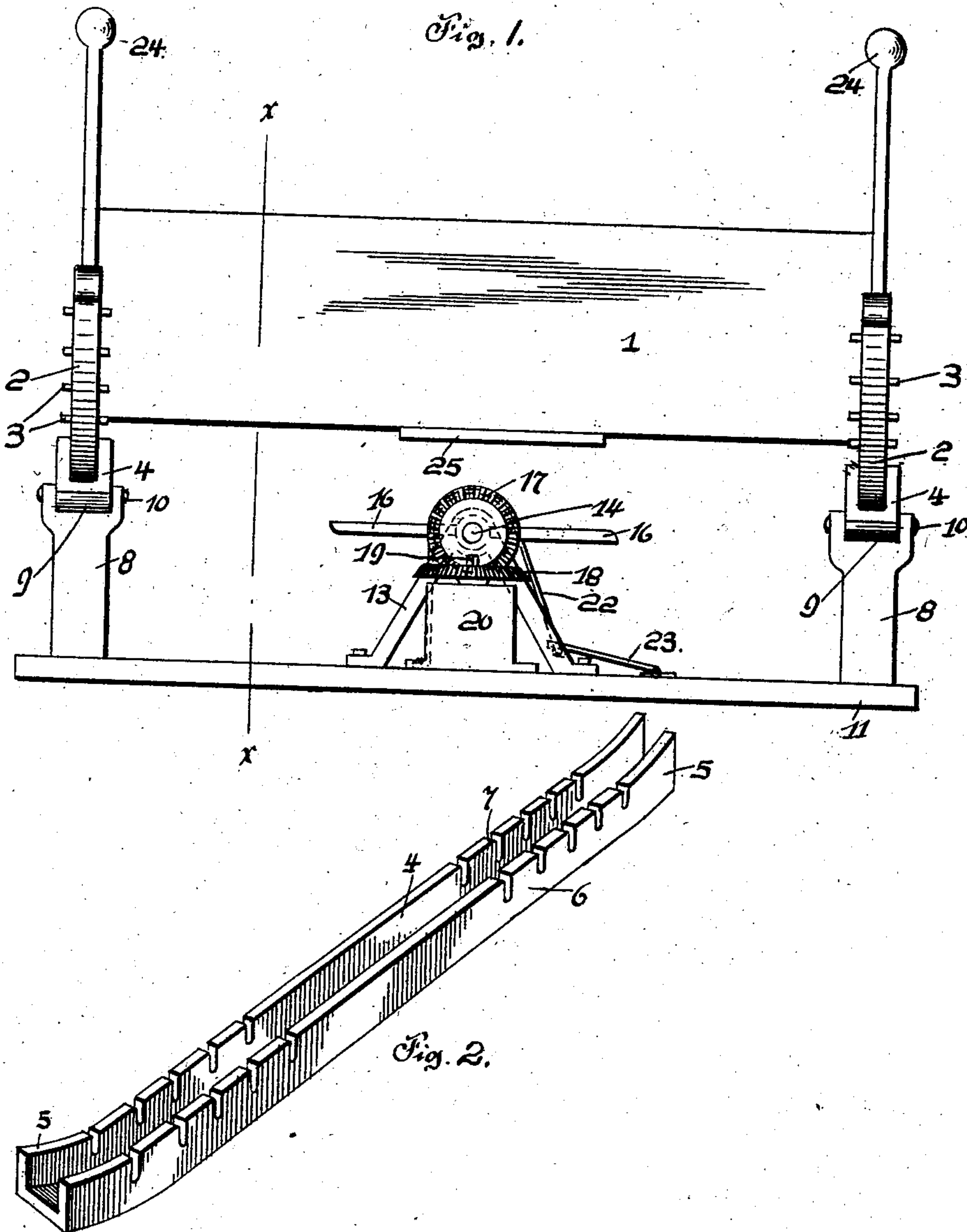
PATENTED JAN. 1, 1907.

W. ADLER.

CRADLE.

APPLICATION FILED OCT. 27, 1906.

2 SHEETS—SHEET 1.



WITNESSES:

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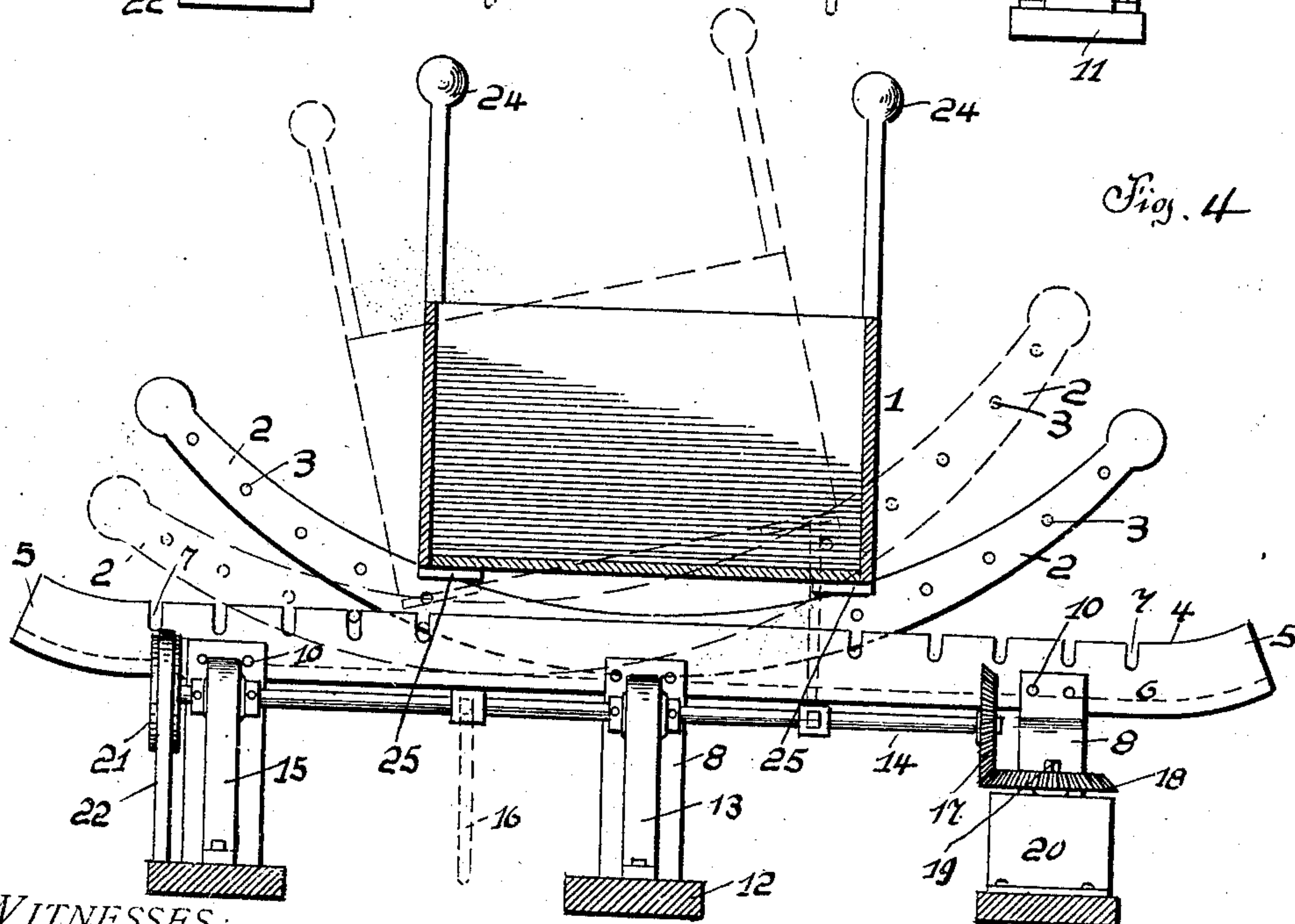
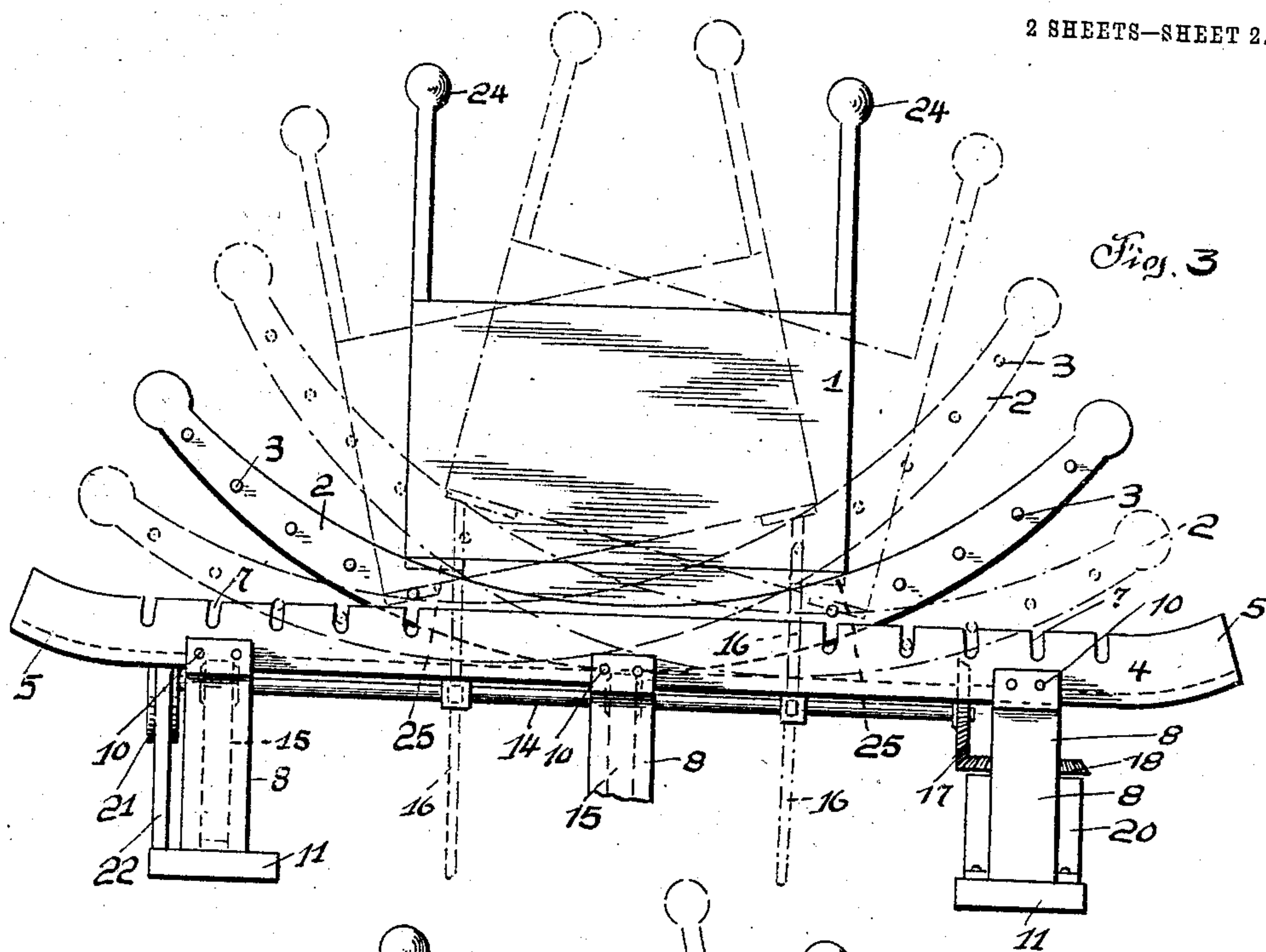
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UNITED STATES PATENT OFFICE.

WILHELM ADLER, OF HEIDELBURG, PENNSYLVANIA.

CRADLE.

No. 840,284.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed October 27, 1906. Serial No. 340,844.

To all whom it may concern:

Be it known that I, WILHELM ADLER, a subject of the Emperor of Austria-Hungary, residing at Heidelberg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Cradles, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to cradles; and its object is to provide novel means for rocking a cradle by mechanical means.

15 The invention consists in the combination, with a cradle provided with rockers, of an oscillating shaft carrying oppositely-disposed arms and means for operating said shaft.

20 The construction of the improvement will be fully described hereinafter in connection with the accompanying drawings, which form a part of this specification, and its novel features will be defined in the appended claims.

25 In the drawings, Figure 1 is a side elevation of a cradle embodying the invention. Fig. 2 is a view in perspective of one of the supporting-trackways employed. Fig. 3 is an end elevation of the cradle, its rocking movements being illustrated by dotted lines; and Fig. 4 is a transverse vertical section of the same.

30 The reference-numeral 1 designates the body of the cradle secured at each end to a rocker 2, provided with laterally-projecting pins 3. The rockers 2 are supported by channel-bars 4, the ends 5 of which are preferably curved upward, and the sides 6 of which are formed with registering slots 7, adapted to receive the pins 3, projecting from the rockers.

40 The channel-bars 4 are supported upon standards 8, the upper ends of which are formed with seats 9 for the bar 4, the latter being held by bolts 10, or like securing means. The standards 8 are secured to base-bars 11, and midway between said bars 11 is a base 12, from which rises a bracket 13, provided with a bearing for a shaft 14, said shaft also having bearing in a bracket-bearing 15, supported upon the adjacent base-bar 11.

50 Projecting from opposite sides of the shaft 14 are two arms 16, and mounted upon one

end of said shaft is a bevel gear-wheel 17, meshing with a corresponding gear 18, mounted upon a vehicle shaft or arbor 19, driven by a clock-movement 20, supported upon one of the base-bars 11. Upon the opposite end of the shaft 14 is a friction-disk 21, over which passes a brake-band 22, one end of which is secured to the base 11, while the opposite end is attached to a treadle 23, pivotally secured to the base-bar.

60 The cradle-body 1 is preferably provided with weighted corner-posts 24 to facilitate the rocking movement.

65 The utility and operation of the improvement constructed as thus described will be readily understood. The clock-movement 20 revolves the shaft 19, and through the intermediary of the bevel-gearing 17 and 18 the shaft 14 is revolved. The revolution of the shaft 14 causes the arms 16 to alternately strike the opposite sides of the cradle to rock same upon the rockers 2.

75 As is obvious the rocking movement of the cradle is guided by the pins 3 entering the slots 7 of the channel-bars.

I preferably provide each side of the bottom of the cradle with a wear-plate 25 to receive the impact of the arms 16.

80 The brake-band 22 and treadle 23 are employed to stop the motion of the cradle when desired.

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

1. The combination with parallel supports, 85 of a cradle, rockers on said supports, a revoluble shaft below the cradle, and arms projecting from said shaft in position to strike the cradle.

2. The combination with parallel slotted 90 supports, of a cradle, rockers on said cradle provided with pins to enter the slots of said supports, a revoluble shaft below the cradle, and arms projecting from opposite sides of said shaft.

95 3. The combination with parallel channel-bars, formed with slots, of a cradle, pins projecting from opposite sides of said rockers and adapted to enter said slots, a shaft below the cradle, a clock-movement and gearing for 100

revolving said shaft, and arms projecting from opposite sides of said shaft.

4. The combination with parallel supports, of a cradle, rockers on said cradle movable on
5 said supports, a revoluble shaft below the cradle, arms projecting from said shaft, and a brake for arresting the revolution of said shaft.

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

WILHELM ADLER.

Witnesses:

C. VLOSTERMANN,
MAX H. SROLOVITZ.