

No. 646,802.

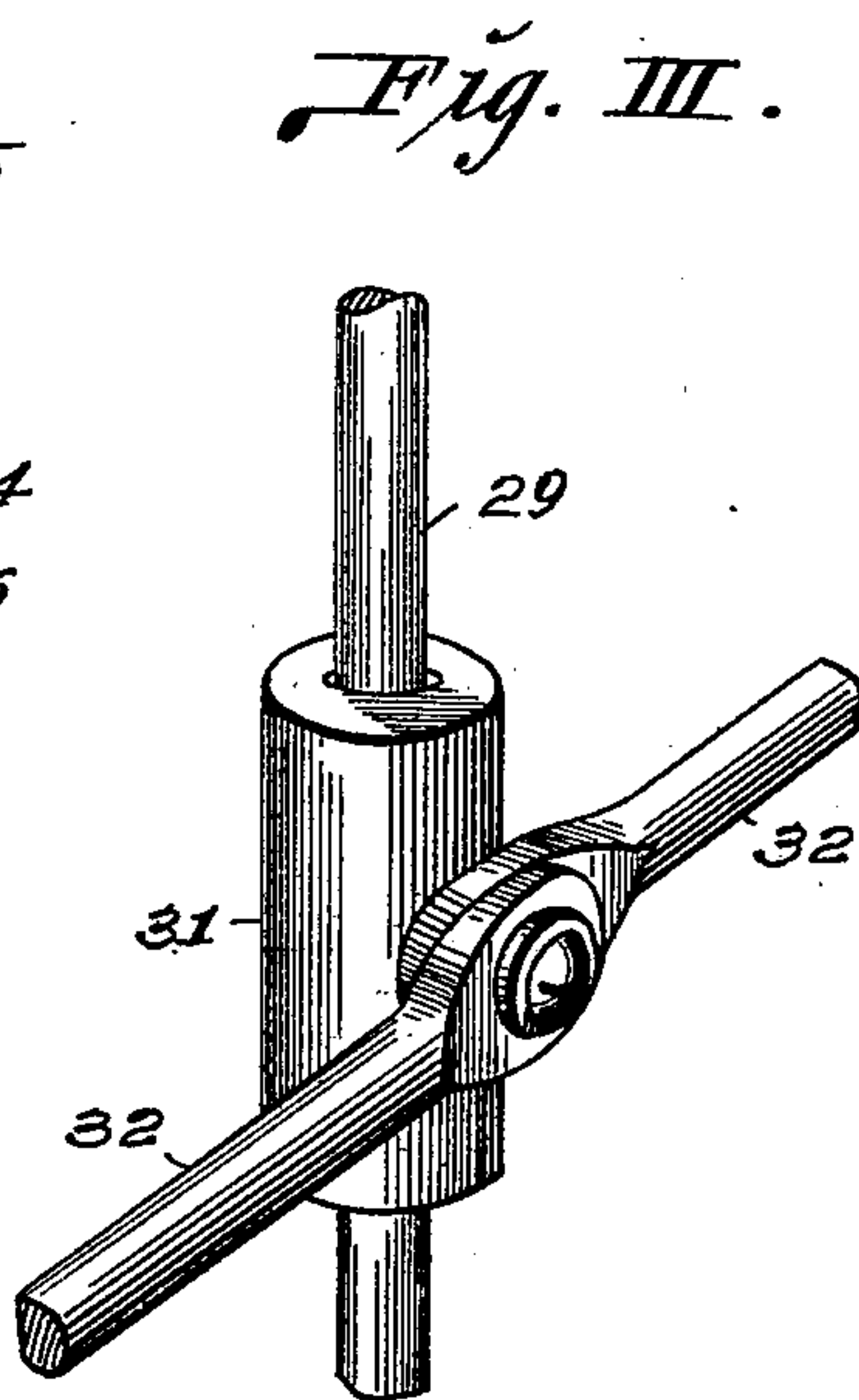
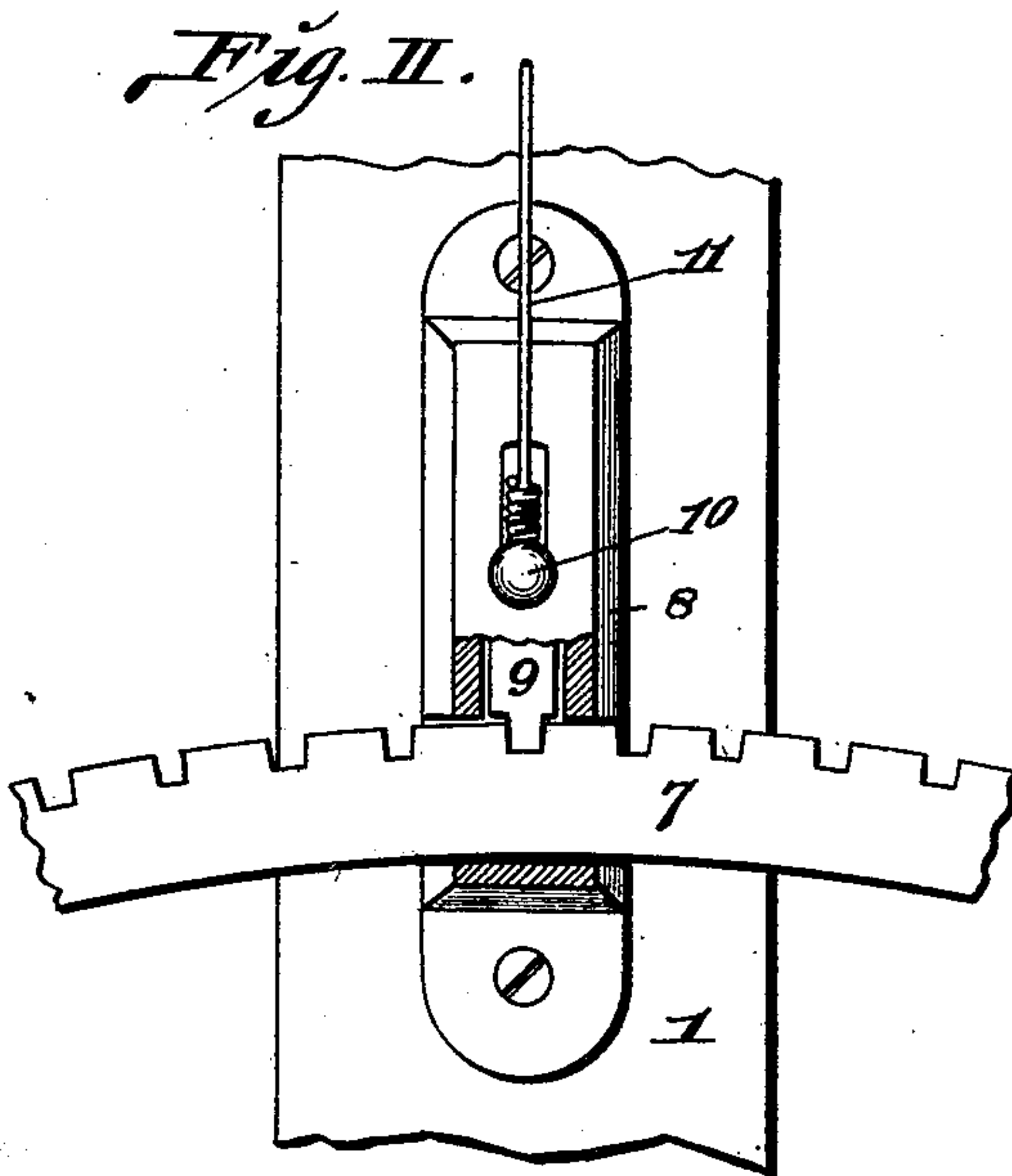
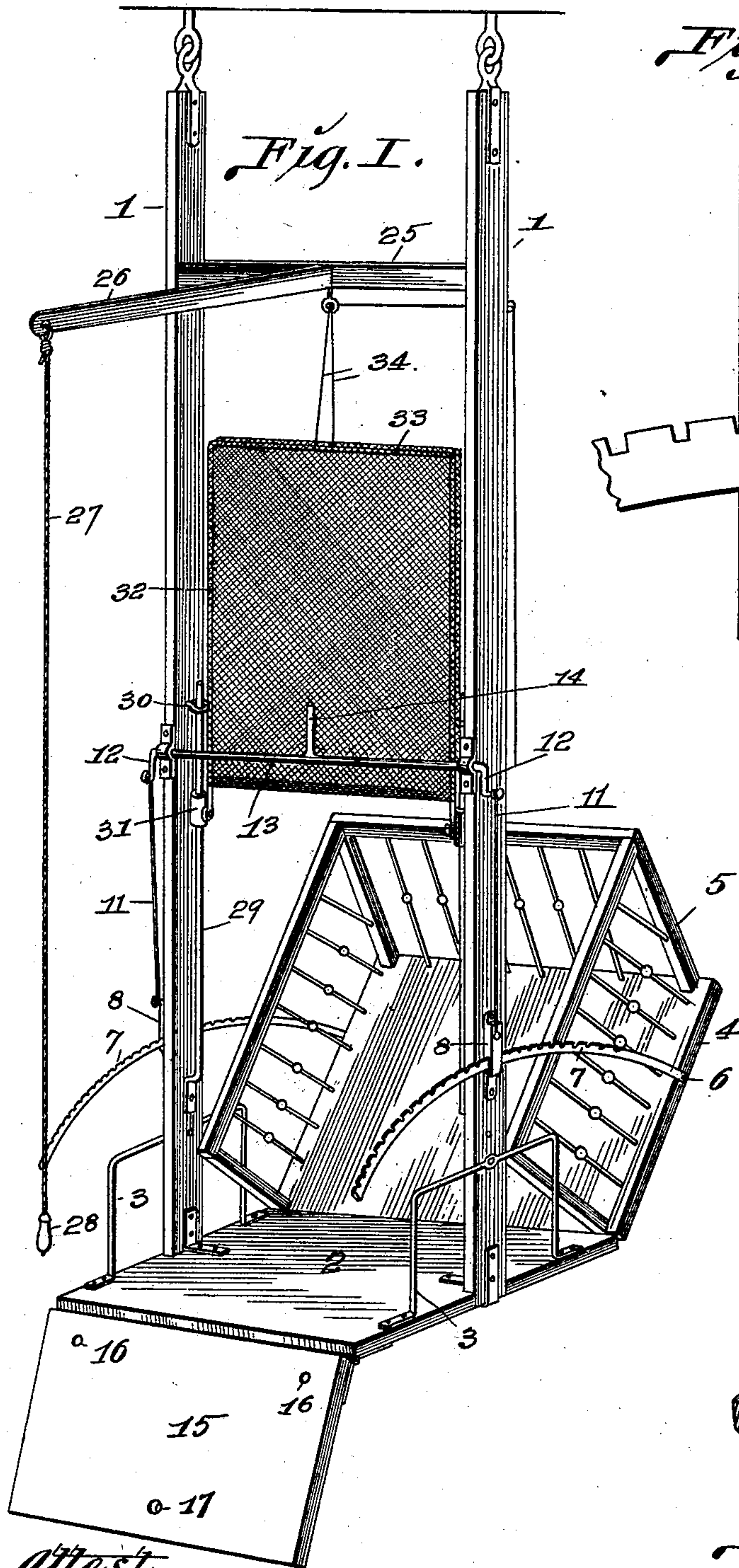
Patented Apr. 3, 1900.

W. BULTMANN.
CONVERTIBLE SWING.

(No Model.)

(Application filed Nov. 29, 1899.)

2 Sheets—Sheet 1.



attest
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E. S. Knight

Inventor:—
Wm. Bultmann:—
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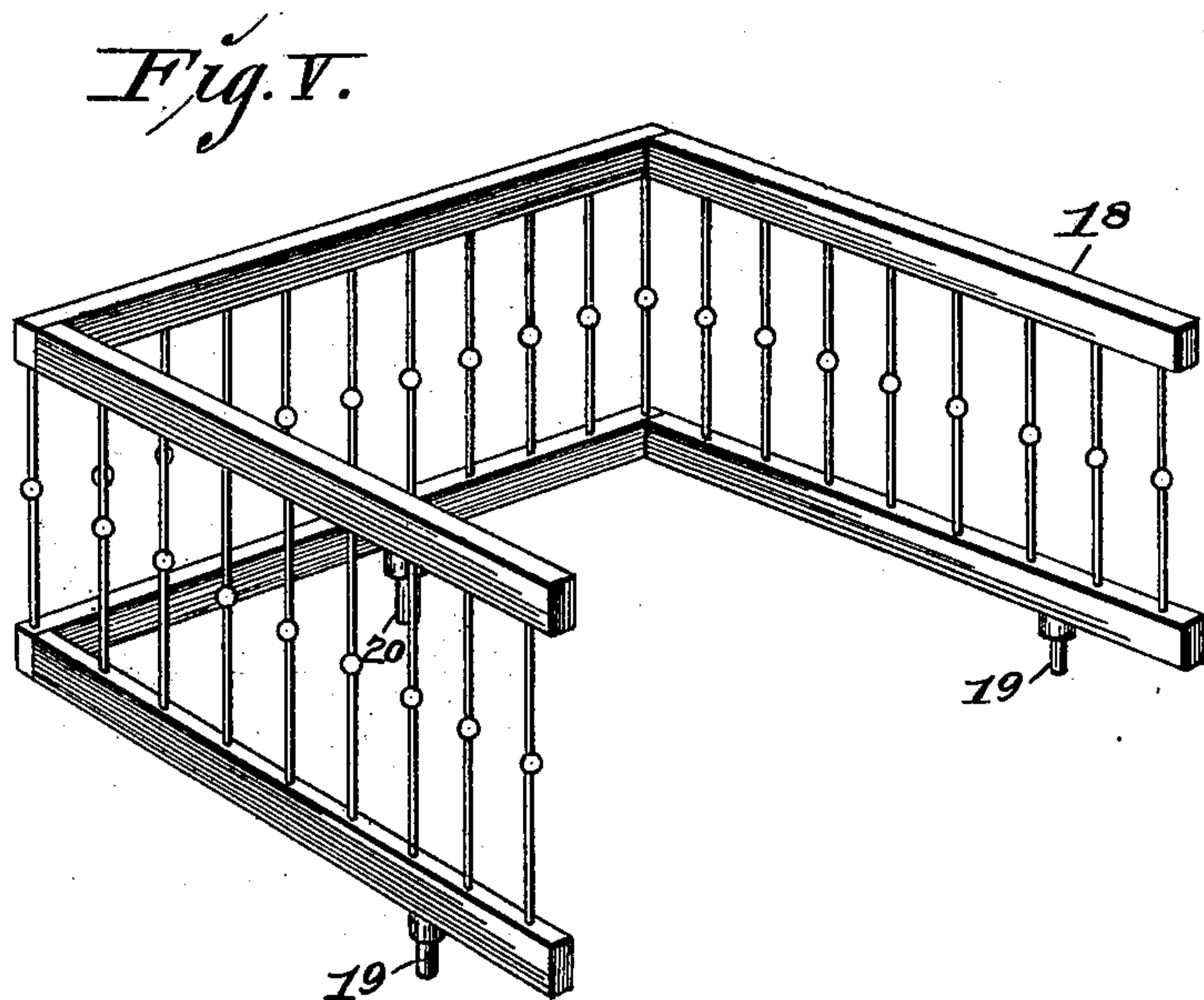
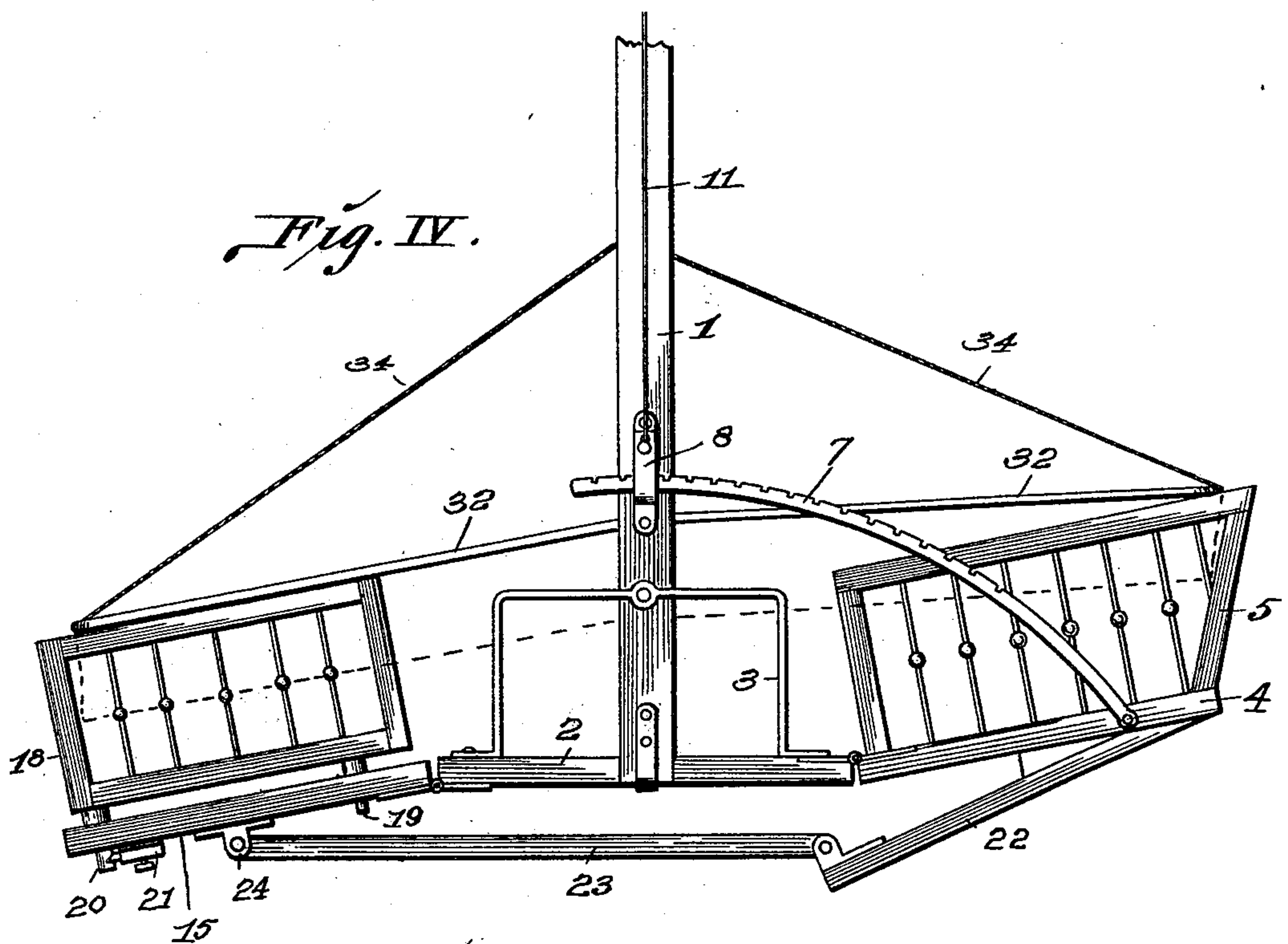
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Attest
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UNITED STATES PATENT OFFICE.

WILLIAM BULTMANN, OF ST. LOUIS, MISSOURI.

CONVERTIBLE SWING.

SPECIFICATION forming part of Letters Patent No. 646,802, dated April 3, 1900.

Application filed November 29, 1899. Serial No. 738,645. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM BULTMANN, a citizen of the United States, residing at the city of St. Louis, in the State of Missouri, have
5 invented certain new and useful Improvements in Convertible Swings, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.
10

My invention relates to a convertible swing that is designed to be suspended from the ceiling of a room and to serve as a swinging chair or as a cradle, the device being so constructed as to be capable of adjustment of its
15 parts to render it serviceable for either use.

My invention consists in features of novelty hereinafter fully described, and pointed out in the claims.

20 Figure I is a perspective view of the swing. Fig. II is an enlarged detail view, in side elevation, of one of the racks and catches by which the rear member of the swinging bed is supported. Fig. III is an enlarged detail perspective view of one of the canopy-supporting
25 slides and the frame-rods connected thereto. Fig. IV is a view in side elevation of the swing positioned for use as a cradle. Fig. V is a perspective view of the removable railing member provided for application to the footboard.
30

1 designates the suspension-bars of the swing, which may be secured to the ceiling of a room or any other suitable support. Secured to the lower ends of the suspension-bars
35 1 is a seat 2, that is securely held by braces 3.

4 designates a rear member hinged to the seat 2 and provided with a railing 5. Pivoted at 6 to the rear member 4 are curved racks 7, that pass through pockets in catch-housings
40 8 and are adapted to receive spring-bolts 9, contained by said housings, whereby the racks are held to support the member 4 in any desirable position. The knobs 10 of the spring-bolts 9 receive the connection of pull-cords
45 11, that lead to the arms 12 of a crank-shaft 13, provided with a handle 14. The crank-shaft 13 is located at a considerable distance above the seat 2, so as to be out of convenient reach of a child in the swing, or on the floor
50 above which the swing is suspended. There being two of the racks 7, it is necessary to release both of the spring-bolts 9 from engage-

ment therewith before the rear member 4 can be lowered, and as a child cannot readily remove both of the spring-bolts without operating the crank-shaft 13 there is small liability
55 of the rear member being lowered and causing an injury to the child if the parts are meddled with.

15 designates a footboard provided with 60 apertures 16 and 17 and hinged to the seat 2.

18 designates the railing, adapted to be removably attached to the footboard 15. This railing is provided with pins 19, that seat in the openings 16 in the footboard when the
65 railing is placed thereon, and a pin 20, that seats in the opening 17 and is secured by a catch-bolt 21. (See Fig. IV.) By reason of removable application of the railing 18 to the footboard such railing may be readily removed when the device is to be used as a
70 swing, as seen in Fig. I, and readily applied thereto when the device is to be used as a cradle, as illustrated in Fig. IV.

22 designates a bar secured to the rear member 4, and hinged to the forward end of this
75 bar is one end of a link 23, the opposite end being hinged at 24 to the footboard 15. It will therefore be seen that when the spring-bolts 9 are released from engagement with
80 the racks 7 the rear member 4 may be raised or lowered into a desired position and that in such movement motion will be imparted to the link 23 to move the footboard 15 in unison with the rear member. When the desired position of the parts has been secured,
85 the spring-bolts 9 are permitted to return into engagement with the racks 7 to hold the parts in fixed position.

25 designates a cross-bar interposed between the suspension-bars 1 and secured to
90 said suspension-bars, this cross-bar serving as a stay for the suspension-bars, and projecting from it is an arm 26, to which is attached a pull-cord 27, provided with a handle 28.
95 By grasping the handle 28 and drawing upon the pull-cord the swing may be readily moved to and fro to impart motion to it.

Secured to the suspension-bars 1 are guide-rods 29, the upper ends of which are held in
100 eyes 30, and loosely fitted to the guide-rods 29 are sliding sleeves 31. Pivotally connected to the sliding sleeves are frame members 32, equipped with a mosquito-bar canopy 33. (See

Fig. I.) The frame members 32 are adapted to be swung upwardly to the position seen in Fig. I, where they are held side by side in vertical position between the suspension-bars, being supported by cords 34. When it is desired to afford a protection over the cradle, the frame-bars are permitted to descend, the sliding sleeves 31 traveling on the guide-rods 29. The frame-bars are then spread apart into the position seen in Fig. IV, and the canopy carried thereby may assume the position indicated by dotted lines in Fig. IV.

I claim as my invention—

1. In a device of the class described, the combination of suspension-bars, a seat supported by said bars, a rear member hinged to said seat, a footboard hinged to said seat, connection between said rear member and footboard, racks pivoted to said rear member, spring-bolts carried by said suspension-bars adapted to engage said racks, a crank-shaft mounted on said suspension-bars, and means of connection between said crank-shaft and said spring-bolts, substantially as described.
2. A swing comprising a pair of suspension-bars, a seat supported by the suspension-bars, a backboard hinged to the seat, a footboard hinged to the seat, a bar secured to the backboard, a link whereby the bar is connected with the footboard, catch-housings secured to the suspension-bars having spring-bolts, a

pair of segmental rack-bars hinged at their inner ends to the backboard, a crank-shaft having crank-arms and a handle, and mounted on the suspension-bars, and cords whereby the spring-bolts are connected with the crank-arms; substantially as described.

3. A swing comprising a pair of suspension-bars, a seat supported by the suspension-bars, a backboard having a railing and hinged to the seat, means for adjustably supporting the backboard from the suspension-bars, a footboard hinged to the seat, means whereby the backboard is connected with the footboard, and a railing secured to the footboard; substantially as described.

4. A swing comprising a pair of suspension-bars, a seat supported by the suspension-bars, a backboard having a railing and hinged to the seat, means for adjustably supporting the backboard from the suspension-bars, a footboard hinged to the seat, means whereby the backboard is connected with the footboard, a railing having pins whereby it is removably secured to the footboard, and a spring-catch secured to the footboard for engaging one of the railing-pins for fastening the railing to the footboard; substantially as described.

WM. BULTMANN.

In presence of—

E. S. KNIGHT,
N. V. ALEXANDER.