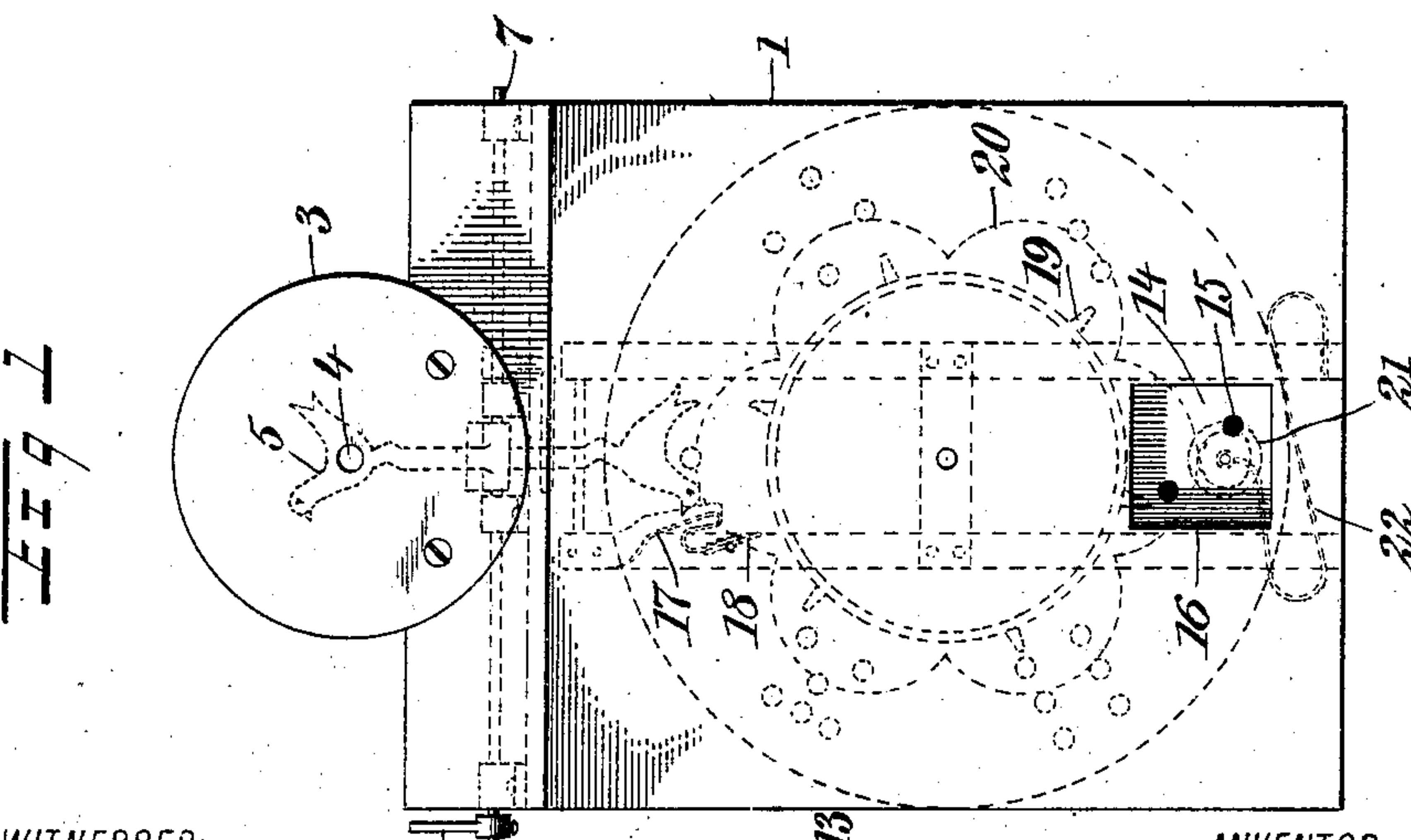
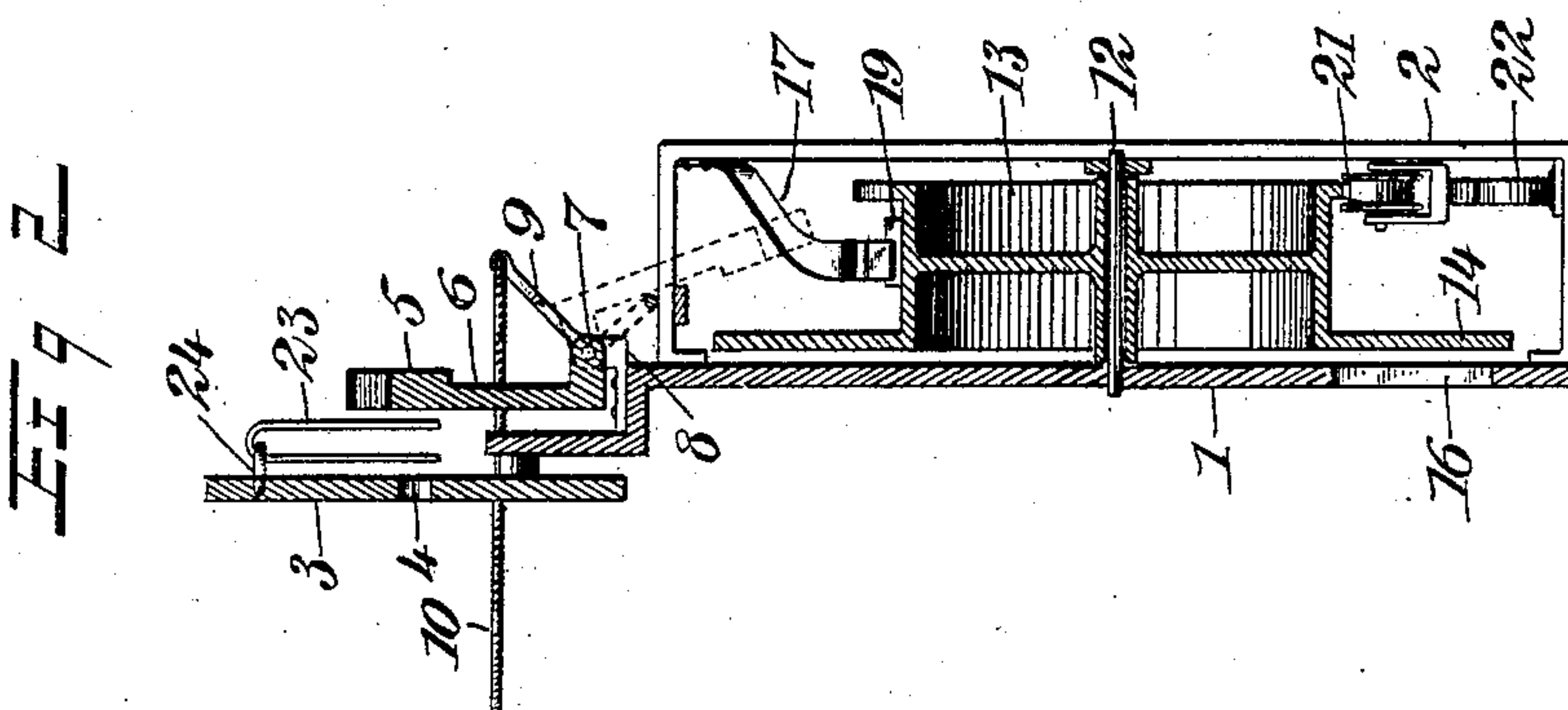
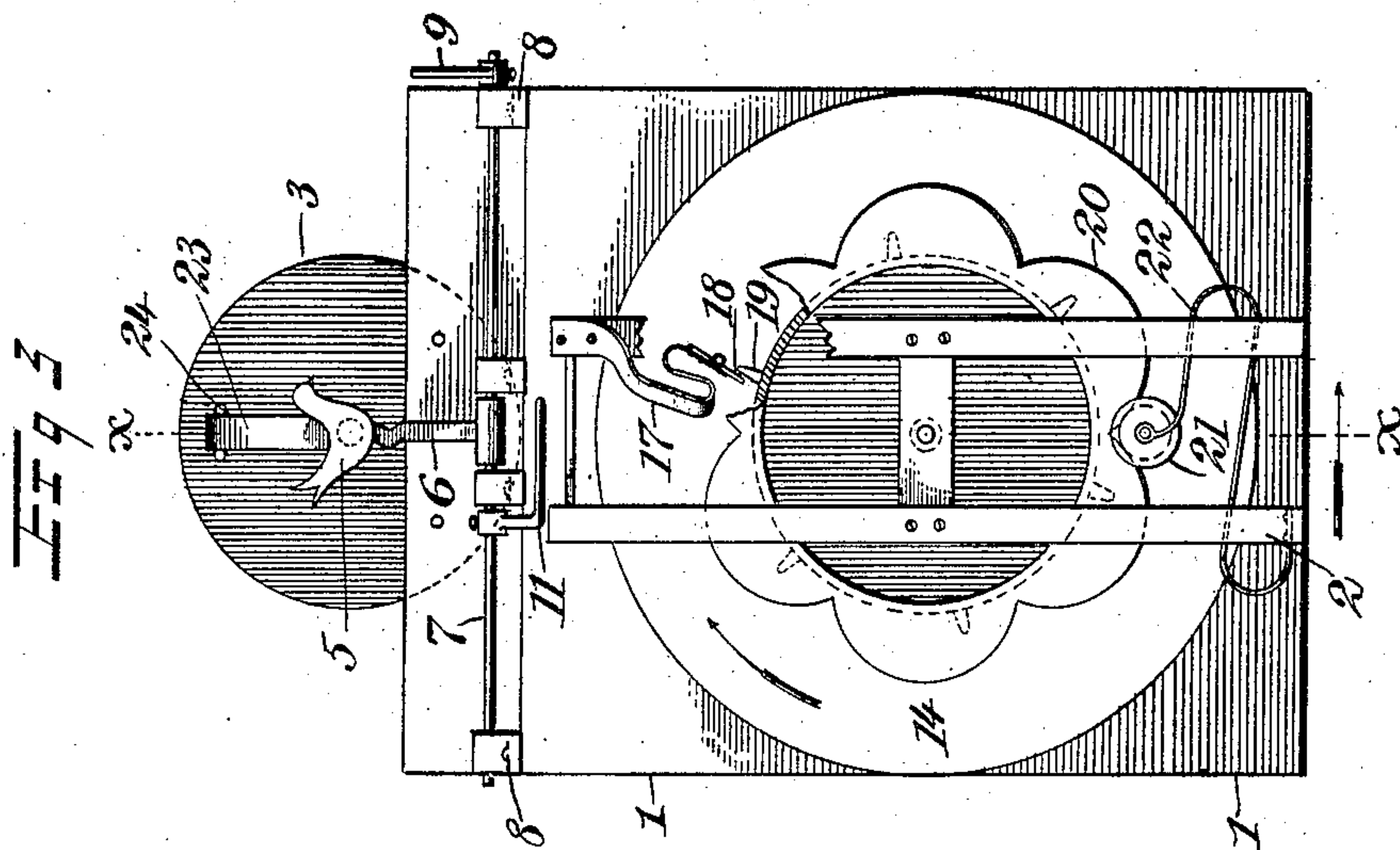


No. 845,038.

PATENTED FEB. 19, 1907.

E. A. LARSEN.  
GAME APPARATUS.

APPLICATION FILED MAY 12, 1904.



WITNESSES:

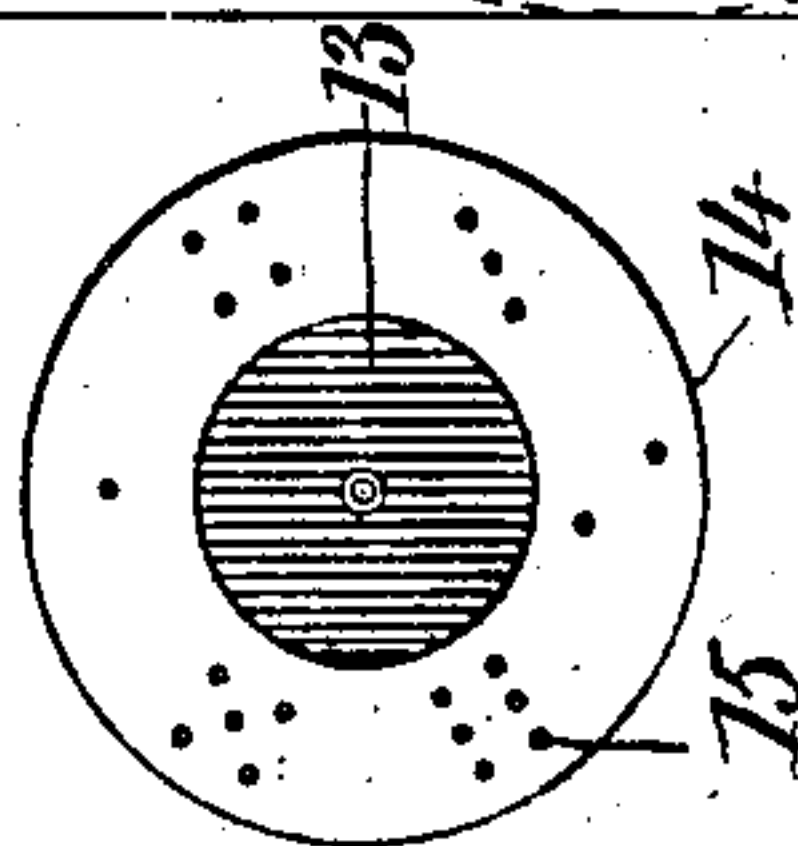
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BY

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ATTORNEYS





# UNITED STATES PATENT OFFICE.

EDWARD A. LARSEN, OF SAN FRANCISCO, CALIFORNIA.

## GAME APPARATUS.

No. 845,038.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed May 12, 1904. Serial No. 207,530.

*To all whom it may concern:*

Be it known that I, EDWARD A. LARSEN, a citizen of the United States, and a resident of San Francisco, in the county of San Francisco and State of California, have invented a new and Improved Game Apparatus, of which the following is a full, clear, and exact description.

This invention relates to improvements in game apparatus, the object being to provide an apparatus of the character having a target, upon the hitting of which by a suitable projectile a rotary part is put in motion and on stopping will display a character indicating a value or score for a marksman, thus not only providing an agreeable pastime, but affording the requisite of skill in playing.

I will describe a game apparatus embodying my invention and then point out the novel features in the appended claims.

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

Figure 1 is a front elevation of a game apparatus embodying my invention. Fig. 2 is a section thereof on the line  $x x$  of Fig. 3. Fig. 3 is a rear elevation, and Fig. 4 is a face view, of a form of indicating-disk that may be employed.

Referring to the drawings, 1 designates a front board to the rear side of which is connected a frame 2, and removably attached to the board 1 at the upper end is a disk 3, having a central opening 4, indicating a bull's-eye, and rearward of the disk is a target 5, made to represent a bird, which is attached to an arm 6, mounted to swing in a vertical plane with a shaft 7, having bearings in brackets 8, attached to the rear side of the board 1. On one end of the shaft 7 is a lever 9, from which a resetting-cord 10 extends to a suitable place—such, for instance, as to the position occupied by the party playing the game. Carried by the shaft 7 is an arm 11, adapted to engage with the arm 6 when the shaft is rotated to move the target to normal position.

Mounted to rotate on a shaft 12, having bearings in the front board 1 and in a cross-piece of the frame 2, is a wheel 13, having at its front side a flange 14, on which various indices are placed at suitable intervals. As here shown, the indices 15 consist of the representation of dice-spots; but it is to be un-

derstood that other characters representing values may be employed without departing from the spirit of my invention.

The front board 1 is provided near the lower edge with a sight-opening 16, through which one of the indices may be disclosed when the wheel comes to a stop. Secured to the frame 2 is a curved spring-plate 17, to the free end of which is pivoted a finger 18, designed to engage with any one of a series of lugs 19, formed on the periphery of the wheel 13. This spring-plate 17 is inclined downward and laterally and is in the line of movement of the target, so as to be struck thereby when the target falls. The wheel 13 is provided with a series of curved projections 20, engaged by a detent consisting of a roller 21, carried by a curved spring 22, attached, as here shown, to the frame 2. This detent is designed to permit of a practically free rotary movement of the wheel, but to hold the same rigidly when stopped.

In connection with the apparatus I may employ an audible signal which will indicate when a projectile passes through the opening 4. This audible signal, as here shown, consists of a metal strip 23—such, for instance, as steel—to give a ringing noise, and this strip is suspended from an eye 24, attached to the disk 3, and its members extend downward in line with the opening 4 between the disk 3 and the target. When the visual target 5 is to be used, the disk is to be removed, and when the target 5 is struck by a projectile—such, for instance, as a bullet from a rifle or a hand-ball—the said target will fall and strike the spring 17, setting the same in vibration, and the impact of the spring against the lugs 19 will set the wheel in rotary motion. As the finger 18 is mounted to swing on the spring in the direction of its impact movement, it is obvious that successive lugs may pass underneath the same by swinging it to one side. When the wheel comes to a stop, the score will be indicated through the opening 16.

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

1. A target mounted to swing in a vertical plane, a rotary part carrying indices, a curved spring arranged in the line of downward movement of said target, and devices on said rotary part adapted to be engaged by said spring for imparting motion to the rotary part.



2. A target comprising a front board having a sight-opening, a rotary part having indices adapted to be seen through said opening, a target mounted to swing on the board, 5 a curved spring adapted to be struck by said target, on swinging downward, and lugs on the rotary part adapted to be engaged by said spring.

3. A game apparatus comprising a front 10 board having a sight-opening, a wheel having rotary connection with the board, said wheel being provided with a plurality of various indices, a target mounted to swing on the board, a curved spring adapted to be struck 15 by said target, a finger mounted to swing in one direction on the spring, and lugs on the wheel for engagement with said finger.

4. A game apparatus comprising a rotary 20 part carrying indices, a target mounted to swing from a visible position above said rotary part to an invisible position rearward of said rotary part, and means actuated by said target for imparting motion to the rotary part.

5. A game apparatus comprising a board 25 having an opening, a wheel mounted to rotate on the board and having indices adapted to be disclosed through said opening, a detent for the wheel, a disk mounted on the board and having an opening, a target 30 mounted to swing on the board rearward of said disk, a curved spring adapted to be struck by said target, a roller carried by the spring, and lugs on the wheel for engaging with said roller.

6. A device of the character described, 35 comprising a rotary member, a bull's-eye, and mechanism actuated by the bull's-eye for directly imparting a rotary movement to the said member. 40

In testimony whereof I have signed my name to this specification in the presence of subscribing witnesses.

EDWARD A. LARSEN.

Witnesses:

JAMES SALLIE,  
ARTHUR W. LARSEN,  
P. J. KENNEDY.