

No. 878,703.

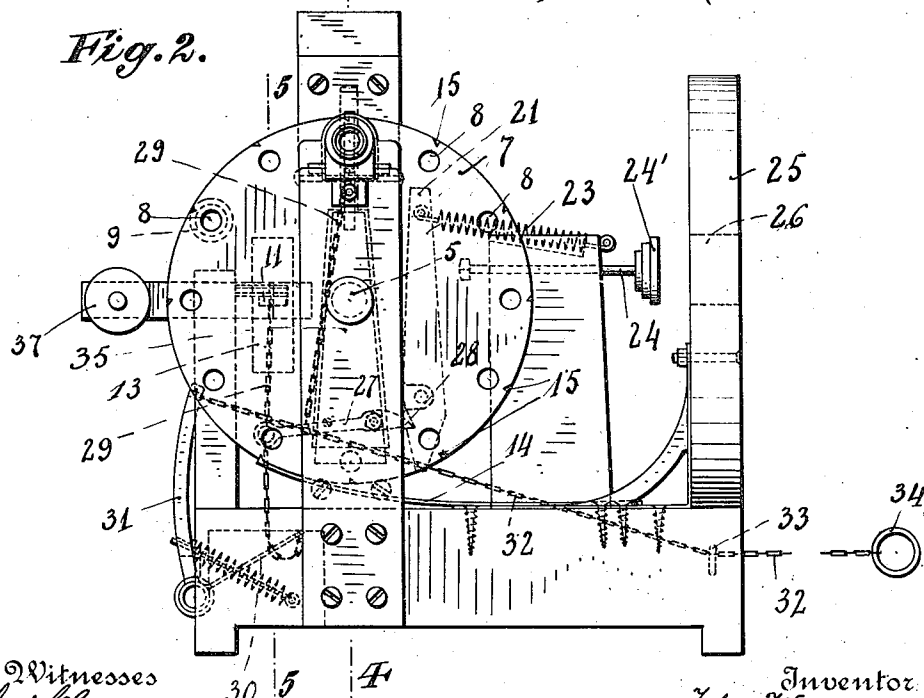
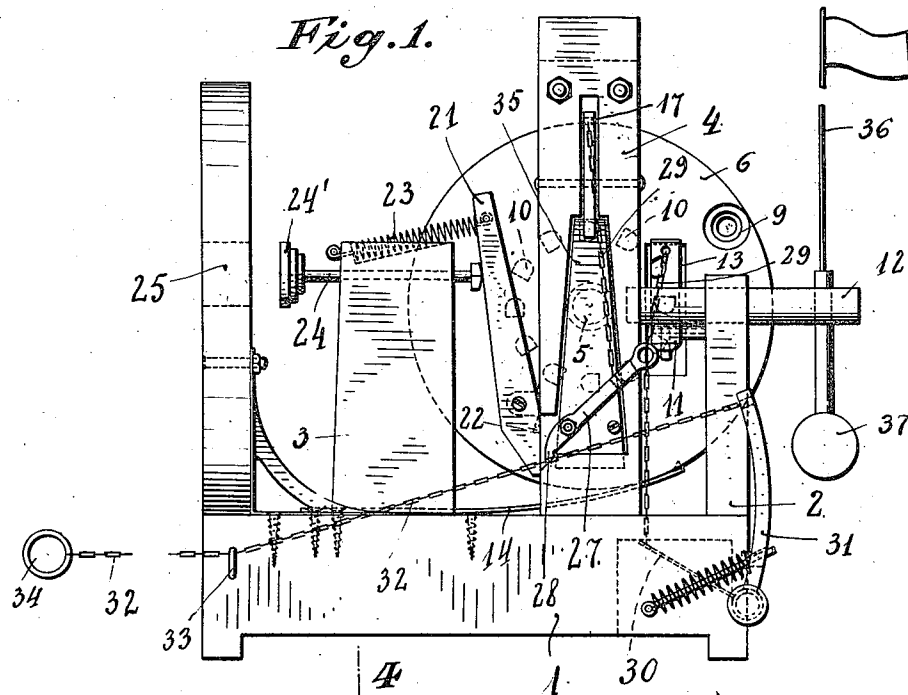
PATENTED FEB. 11, 1908.

J. WUNNER.

AMUSEMENT DEVICE.

APPLICATION FILED SEPT. 5, 1907.

2 SHEETS—SHEET 1.



2 Witnesses
Geoffrey
Joseph W. Welf

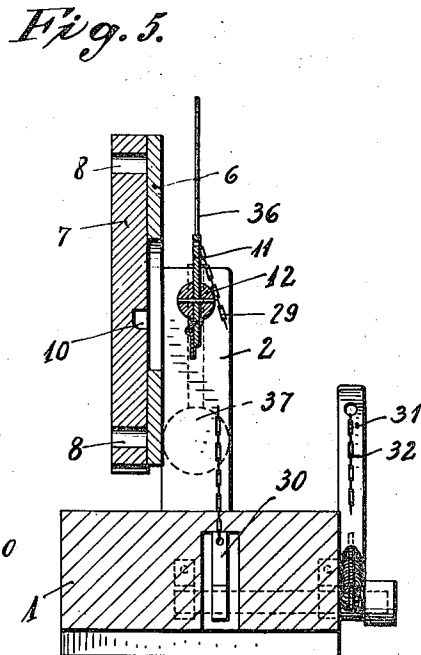
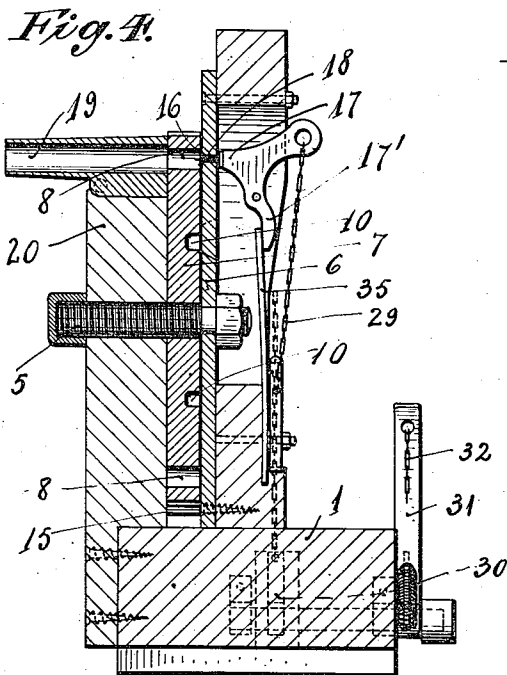
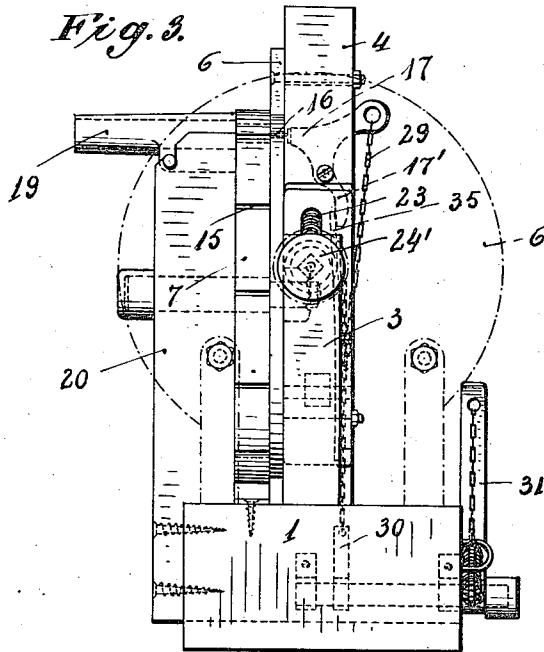
Inventor
John Wunner
 By his Attorney
Max D. Ordmann

No. 878,703.

J. WUNNER.
AMUSEMENT DEVICE.
APPLICATION FILED SEPT. 5, 1907.

PATENTED FEB. 11, 1908.

2 SHEETS—SHEET 2.



Witnesses
Joseph H. ...
Joseph H. ...

Inventor
John Wunner
By his Attorney *Max V. Ordemann*

UNITED STATES PATENT OFFICE.

JOHN WUNNER, OF NEW YORK, N. Y.

AMUSEMENT DEVICE.

No. 878,703.

Specification of Letters Patent.

Patented Feb. 11, 1908.

Application filed September: 5. 1907. Serial No. 391,518.

To all whom it may concern:

Be it known that I, JOHN WUNNER, a citizen of the United States, and a resident of New York, county of New York, State of New York, have invented certain new and useful Improvements in Amusement Devices, of which the following is a specification.

The present invention pertains to an amusement device, and consists in a shooting mechanism to be operated automatically by the firing from a distance of a bullet through the central bore of a target secured to the shooting mechanism.

To make my invention more clear the same is illustrated in the accompanying drawing in which similar reference letters denote corresponding parts and in which

Figure 1 is a rear view; Fig. 2 a front view; Fig. 3 a side view of the shooting mechanism; Fig. 4 a vertical section on line 4—4 of Fig. 2, and Fig. 5 a vertical section on line 5—5 of Fig. 2.

The apparatus consists of a base 1 upon which standards 2, 3 are rigidly secured. Intermediately between these standards a vertical frame 4 is provided, from which forwardly projects a horizontal spindle or screw bolt 5. Centered upon the latter and rigidly secured to the frame 4 is a disk or plate 6, the front surface of which is to serve as a bearing surface for a circular disk 7 rotatively borne on the spindle or bolt 5. This rotary disk 7 is provided with a plurality of bores 8 arranged in a circle in the said disk, which bores serve as chambers for cartridges to be introduced in same from the rear through an aperture 9 in the disk or plate 6. Radially with said bores 8 the inner surface of the rotary disk 7 has notches 10 also arranged in a circle, and coöperating with the latter is an automatically operated pawl 11 secured to a horizontally swinging shaft 12 loosely borne in the standard 2. This pawl in swinging in vertical direction is adapted to project through an aperture 13 in the disk or plate 6 to be capable of engaging with one of the notches 10 in the disk 7, and feeding the latter through an arc limited by a spring stop 14 secured on the base 1 and engaging notches 15 on the circumference of said rotary disk. When the rotary disk is being fed in the manner described the bores or chambers containing the cartridge are one after the other brought in line with the firing pin 16 of the hammer 17, which pin operates through a narrow aperture 18 in the disk or plate 6.

In line with the firing pin is the stationary barrel 19 projecting from a vertical bar 20 which is secured to the base 1 and extends adjacent to the outer surface of the rotary disk 7 holding the latter against horizontal displacement. The hammer 17 is pivoted in the frame 4, its trigger 17' projecting rearward and outward to be operated automatically in a manner to be presently described.

Pivoted in the stationary plate or disk 6 between the standard 3 and frame 4 is a spring actuated catch 21 having at its lower end a notch 22. This catch normally is held by its spring 23 in inclined position to rest with its upper end against a pin 24 slidably borne in the standard 3 and formed on its outer end with a head 24'. The latter lies at the rear of a target 25 secured to the base 1 crosswise of the machine, and is adapted to register with the central bore 26 in said target.

Pivoted to the frame 4 is an arm 27 which is formed at one end with a nose 28 adapted, at a certain position of the said arm, to engage the notch 22 of the catch. This arm is connected by a rope or chain 29 with the hammer 17 and also with the rear end of the pawl 11. On the other hand, the arm is connected by similar means with the arm 30 of a spring actuated bell crank lever, to the arm 31 of which a rope or chain 32 is secured which is guided through an eye 33 projecting from the base, and which carries at its free end a ring 34. A plate spring 35 secured in the frame 4 is adapted to actuate the hammer 17 upon the release of its trigger 17'.

The mode of operation is as follows:—By pulling the chain or rope 32 the arm 30 of the bell crank lever will turn the lever or arm 27, which simultaneously will swing the pawl 11 to feed the rotary disk 7 and pull the hammer 17 downward depressing the spring 35, until the hammer will be cocked by the engagement of the nose 28 on the other end of the swinging arm 27 with the notch 22 of the catch 21, the spring 23 of which will also be cocked. When, in firing from a distance against the target 25, the bullet will pass through the central bore 26 thereof, it will strike the head 24' of the pin 24, which will be thrust against the upper end of the catch 21 and in swinging it release the arm 27. In consequence thereof, the target will be released and the spring 35 becoming uncocked, will act on the trigger 17', in causing the hammer to strike with its firing pin against the cartridge borne in the chamber that is in

line with it. The shaft 12 may carry a flag 36 and a counter weight 37. Normally, when the hammer is cocked, the flag will extend in horizontal direction to be concealed behind the target. Upon hitting the head of the pin 24 and thereby releasing the arm 30, the shaft 12, owing to its counter weight 37 will swing to bring the flag in upright position, which from the distance will show that the shot was successful.

What I claim and desire to secure by Letters Patent is:—

1. An amusement device, comprising a rotary disk, having chambers arranged in a circle to receive cartridges, a spring actuated pivoted firing hammer, a swinging arm connected with the said hammer, a spring actuated catch to engage the said lever to cock the hammer, means for automatically releasing the catch by the firing of a bullet against it, and means for operating the swinging arm from the distance to simultaneously cock the hammer and feed the cartridge disk, substantially as set forth.

2. An amusement device, comprising a target having a central bore; a rotary disk having chambers arranged in a circle to receive cartridges and notches arranged radially therewith, a swinging pawl to engage in said notches and feed the rotary disk, a pivoted spring actuated firing hammer, a

swinging arm connected with the said hammer and with the said swinging pawl, a spring actuated catch to engage the said arm and cock the hammer, means for operating said arm from the distance, and means for releasing the catch by the firing of a bullet against it through the central bore of the target, substantially as set forth.

3. An amusement device, comprising a target having a central bore, a rotary disk having chambers arranged in a circle to receive cartridges and notches arranged radially therewith, a spring stop for said rotary disk to control the arc of rotation of the latter, a swinging pawl to engage in said notches and feed the rotary disk, a pivoted spring actuated firing hammer, a swinging arm connected with the said hammer and with the said swinging pawl, a spring actuated catch to engage the said arm and cock the hammer, means for operating said arm from the distance, and means for releasing the catch by the firing of a bullet against it through the central bore of the target, substantially as set forth.

Signed at New York this 4 day of August 1907.

JOHN WUNNER.

Witnesses:

ROBERT STRAHL,
MAX D. ORDMANN.