(No Model.)

2 Sheets—Sheet 1.

E. C. TAYLOR.

TARGET.

No. 347,747. Patented Aug. 17, 1886.

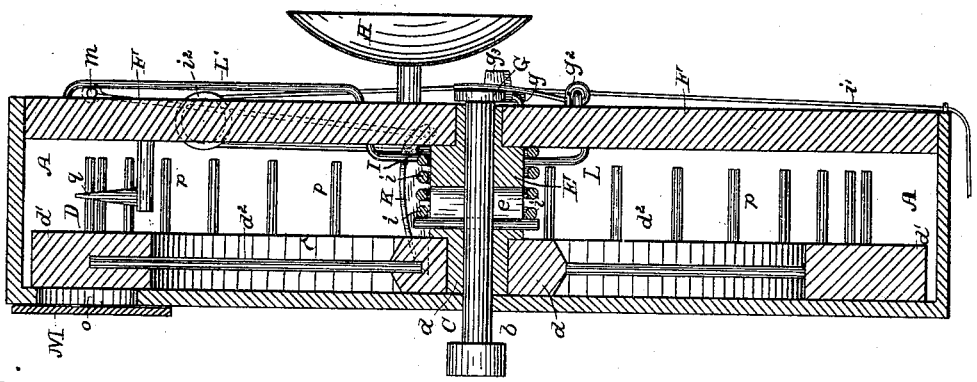

Fig. 3.

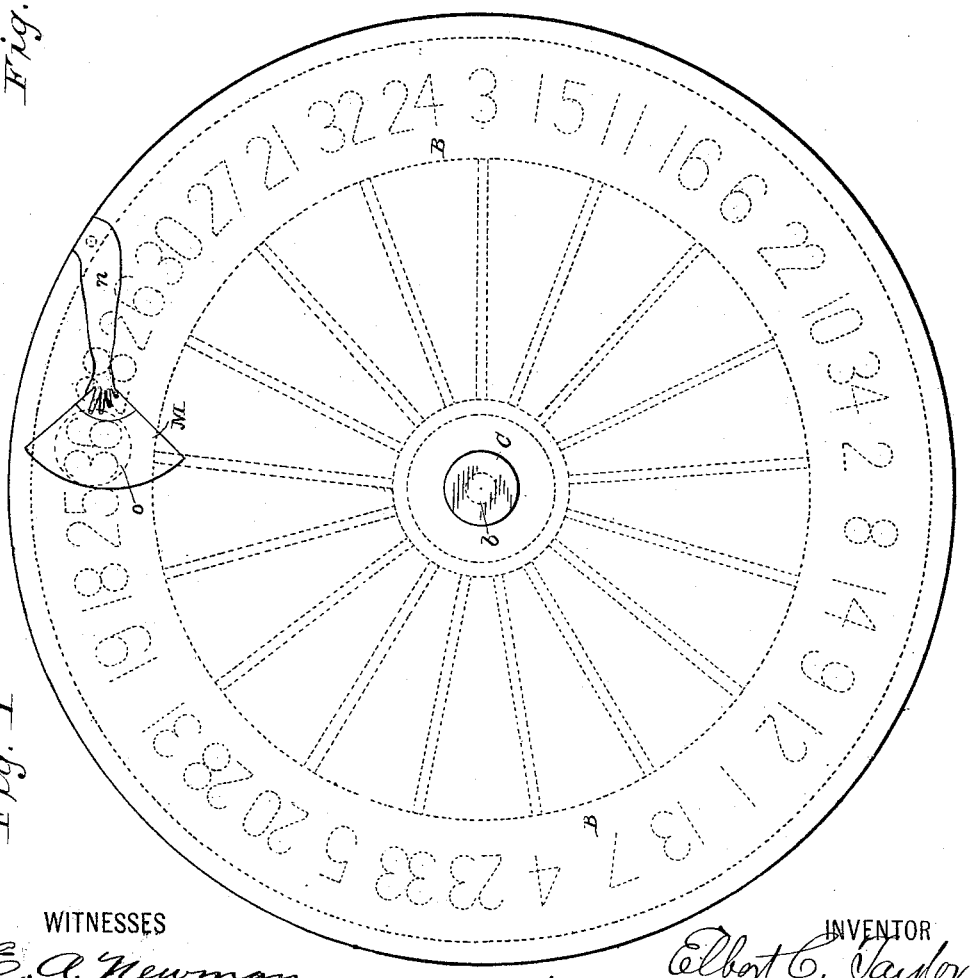

Fig. 1.

WITNESSES

E. A. Newman.

C. M. Newman.

INVENTOR

Elbert C. Taylor

By his Attorneys

Baldwin, Hopkins & Peyton.

(No Model.) 2 Sheets—Sheet 2.

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Fig. 2.

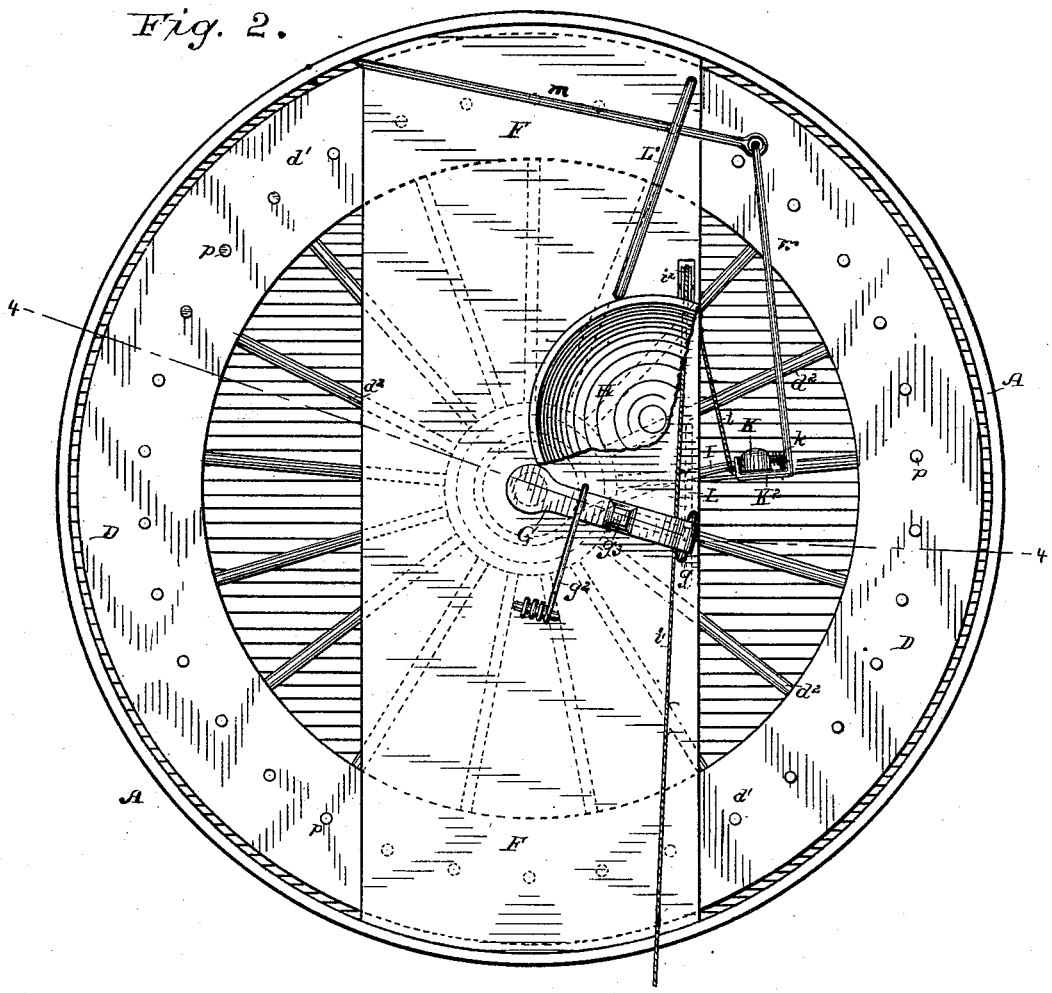
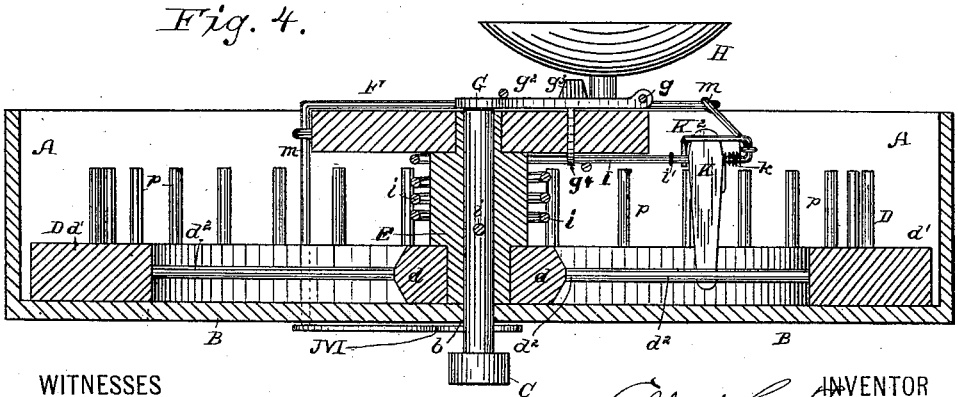


Fig. 4.



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

ELBERT C. TAYLOR, OF STOCKTON, MISSOURI.

TARGET.

SPECIFICATION forming part of Letters Patent No. 347,747, dated August 17, 1886.

Application filed June 24, 1886. Serial No. 206,089. (No model.)

To all whom it may concern:

Be it known that I, ELBERT C. TAYLOR, of Stockton, Cedar county, Missouri, have invented certain new and useful Improvements in Targets, of which the following is a specification.

My invention is designed to indicate in a novel manner the accuracy of target-shooting.

In the accompanying drawings, Figure 1 is a front view of the target, showing by dotted lines the rotary wheel carrying a series of numbers. Fig. 2 is a rear view; Fig. 3 a cross-section, and Fig. 4 a section on the line 4 4 of Fig. 2.

The frame A is preferably circular, as shown, and may be supported on suitable standards. The front B is preferably metallic, and is perforated at its center *b*, to accommodate a sliding pin, C. Just back of the front B is a wheel, D, preferably formed of a hub, *d*, a solid rim, *d'*, and a series of connecting-spokes, d^2. The wheel D is journaled on the end of a cylindrical block, E, arranged between the front B and the back piece, F. The pin C extends through the front B, the cylindrical block E, and the back piece, F, and is free to slide therein. The front end of the pin is preferably metallic, and the back end rests against the end of a lever, G, pivoted at *g* to the back piece, F. The end of the lever is held against the pin C by means of a spring, g^2. The lever is formed with a protuberance or hammer-head, g^3, that strikes and sounds a bell, H, when the lever is swung back on its pivot.

On the under side of the lever G, about midway between its ends, is a latch, g^4, that projects through the back piece, F, and normally holds the arm I of the spring-pawl K in position to engage with a spoke of the wheel D. The arm I is coiled at *i* around the circular block E, and extends through a slot, *e*, in the block and a perforation in the pin C. The spring-coil *i* normally holds the head of the pin in advance of the front plate, B, in position to be hit by a missile, and also causes the arm I, carrying the spring-pawl K, to descend when released by the latch g^4. The throw of the pawl is limited by a guide, L.

The pawl K is pivoted on the end of the arm I, and is, by means of a spring, *k*, normally held in position to engage with a spoke of the wheel D. It is, however, free to turn on its pivot and ride past the spokes during the upward movement of the arm. When the arm is moved downward, the pawl is held in position by a stop, K^2, on the arm.

The arm I is connected by means of rods or wires *m m*, or other suitable devices, to an arm, *n*, carrying a shutter, M, that normally covers an opening, *o*, in the front B, opposite the rim of the wheel D. When the arm I is released by the latch, the arm *n* is turned and the shutter is removed from the opening, so as to expose a number on the rim of the wheel. As shown in the drawings, the numbers are arranged irregularly, so that it is a matter of chance what number will be presented to view, and the pawl is so arranged as to give the wheel such a momentum as to cause several numbers to pass the opening before a number is presented permanently. The wheel turns more or less, according to the quickness or sharpness of the release. As above stated, this construction makes the record of the shooting somewhat a matter of chance; but the numbers may be arranged in regular order, and the pawl may be made to turn the wheel so as to present one number at a time.

The spring-arm I is lifted by means of a cord, *i'*, passing over pulleys i^2, and extending to the front of the gallery where the marksmen are located.

On the back of the rim of the wheel D are a series of pins, *p*, that engage with a vibratory reed, *q*, when the wheel is revolved and cause it to hum.

There are many changes that might be made in the details of construction of my improved target without departing from the substance of my invention; but the apparatus shown is a simple and efficient one, and is the preferred construction.

I claim as my invention—

1. The combination, substantially as set forth, of the target-frame, the rotary wheel mounted in the frame, the indicators on the wheel, the sliding pin that moves horizontally in the frame, and connections between the wheel and the pin, whereby the wheel is caused to turn when the pin is moved by a missile.

2. The combination, substantially as set forth, of the target-frame, the wheel mounted

in the frame, a series of numbers on the rim of the wheel, the sliding pin that moves horizontally in the frame, connections between the wheel and the pin, whereby when the pin is moved the wheel is turned, the shutter pivoted on the frame for covering an opening in the face of the target, and connections between the shutter and the sliding pin, whereby when the pin is struck by a missile a number is exposed to view.

3. The combination, substantially as set forth, of the target-frame, the wheel mounted in the frame, the indicators on the wheel, the sliding pin that moves horizontally in the frame, the latch-lever pivoted to the frame and operated by the sliding pin, and the spring-pawl mounted on the frame that engages with the wheel, for the purpose specified.

4. The combination, substantially as set forth, of the target-frame, the rotary wheel mounted in the frame, the pins on the rim of the wheel, and the vibratory reed secured to the frame that engages with the pins.

5. The combination, substantially as set forth, of the target-frame, the number-carrying wheel mounted in the frame, the sliding pin that moves horizontally in the frame, the spring-pawl mounted on the frame that engages with the wheel and operates to turn it, the latch-lever operated by the sliding pin, and the bell that is sounded by a hammer-head on the latch-lever.

In testimony whereof I have hereunto subscribed my name.

ELBERT C. TAYLOR.

Witnesses:

ROBT. L. LINCOLN,

R. A. BROWN.