A. Anderhub,

Target Alarm.

No. 112,204. Patented Feb. 28. 1871.

Fig: 1.

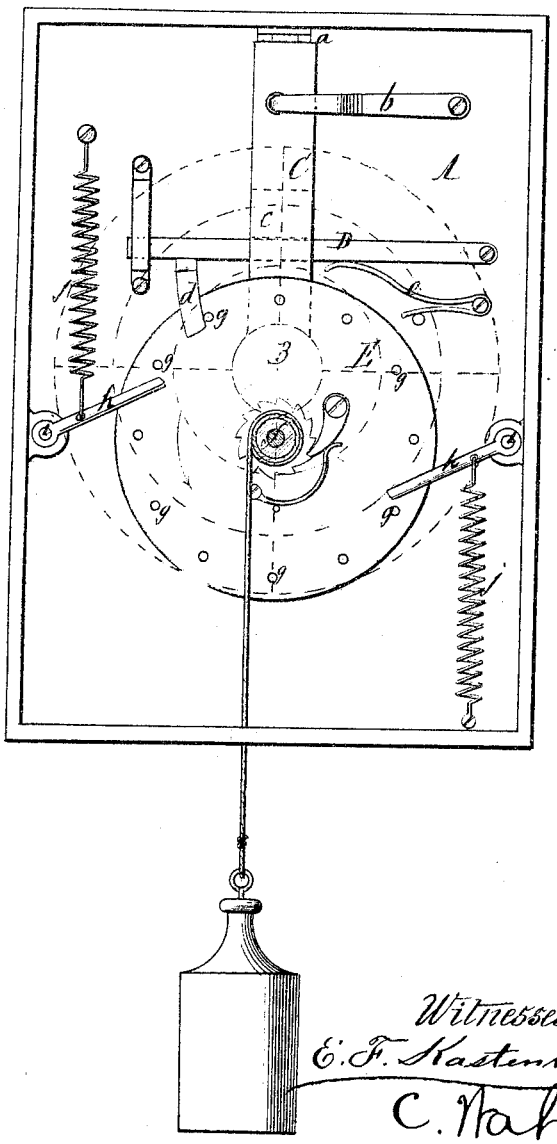
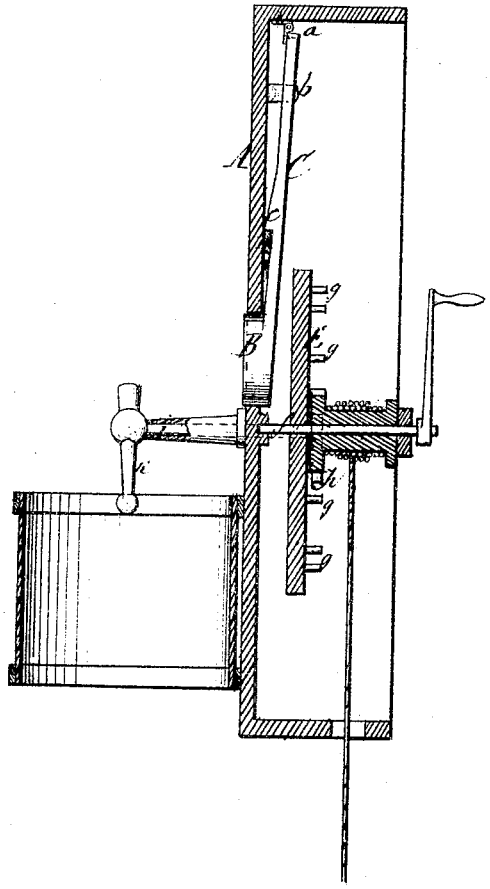


Fig: 2.



Witnesses:
E. F. Kastenhuber
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Inventor:
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By Munn & Co
his Attys

United States Patent Office.

ANDREAS ANDERHUB, OF NEW YORK, N. Y., ASSIGNOR TO JOHN BAYER, OF SAME PLACE.

Letters Patent No. 112,204, dated February 28, 1871.

IMPROVEMENT IN TARGET-ALARMS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ANDREAS ANDERHUB, of the city, county, and State of New York, have invented a new and Improved Target-Alarm; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 represents a rear view of this invention.

Figure 2 is a vertical section of the same, the line *x x*, fig. 1, indicating the plane of section.

Similar letters indicate corresponding parts.

This invention consists in the arrangement of an escapement-wheel, to which motion is imparted by a weight or spring, and which, when permitted to revolve, imparts motion to one or more rock-shafts carrying drum-sticks or other devices capable of giving an alarm, in combination with a movable center plug in the target which is attached to a hinged rod provided with a nose, which forms a stop for a lever furnished with a check-piece to arrest the motion of the escapement-wheel in such a manner that, whenever the center-plug of the target is hit, the check-lever is released and the alarm is given, and by depressing the check-lever the center-plug is permitted to return to its original position and the motion of the escapement-wheel is stopped.

In the drawing—

The letter A designates a target, the center-plug B of which is made detached from the body of the target and secured to a rod, C, which is connected to the frame of the target by a hinge joint, *a*, and subjected to the action of a spring, *b*, which has a tendency to keep said rod together with the center-plug out in the position shown in fig. 1.

From the front side of the rod C projects a nose, *c*, which forms a stop for a lever, D, that is pivoted to the inner surface of the frame, and from which extends an arm, *d*, which forms the check for the escapement-wheel E.

A spring, *e*, has a tendency to carry the lever D upward so as to throw the check *d* out of the path of the escapement-wheel.

The escapement-wheel is mounted on a shaft, *f*, and the studs or cogs *g* projecting therefrom act on levers *h* which extend from rock-shafts *i*, and which are subjected to the action of springs *j*, one of which draws its lever down and the other up.

The escapement-wheel is driven by a weight or spring, and if the driving power is wound up and the check-lever is caused to release the escapement-wheel, this wheel revolves and imparts motion to the rock-shaft *i*.

To the outer ends of the rock-shafts are secured drum-sticks *k* or any other device capable of giving an alarm.

Whenever the center-plug is hit, the nose *c* is caused to release the check-lever D, the escapement-wheel is set free and the alarm is set in motion.

This device is intended for targets used in shooting-galleries where bolts or small bullets are fired, usually from air-guns, and the alarm mechanism is so constructed that it is set in motion whenever any portion of the center-plug is hit.

What I claim as new and desire to secure by Letters Patent, is—

The nose *c*, on the rod C, which carries the center-plug B of a target, in combination with the check-lever D and *d*, escapement-wheel E, lever *h*, and alarm shafts *i*, all constructed and operating substantially in the manner herein shown and described.

This specification signed by me this 30th day of November, 1870.

ANDREAS ANDERHUB.

Witnesses:

W. HAUFF,

C. WAHLERS.