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S. L. LONG

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DUEL TARGET

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Fig. 1.

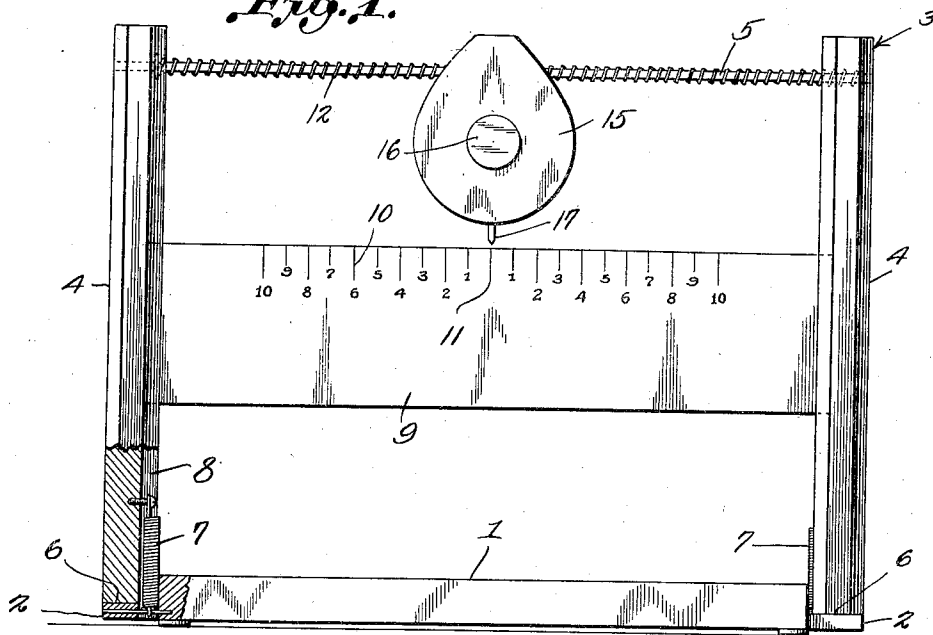


Fig. 2.

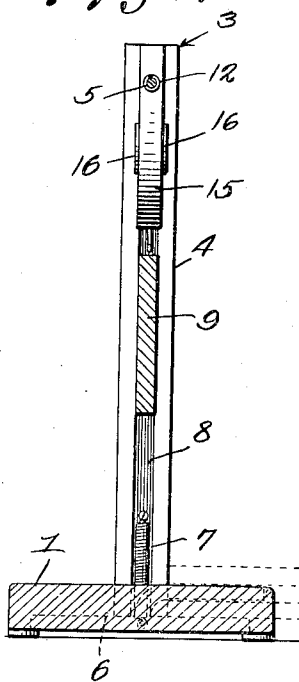
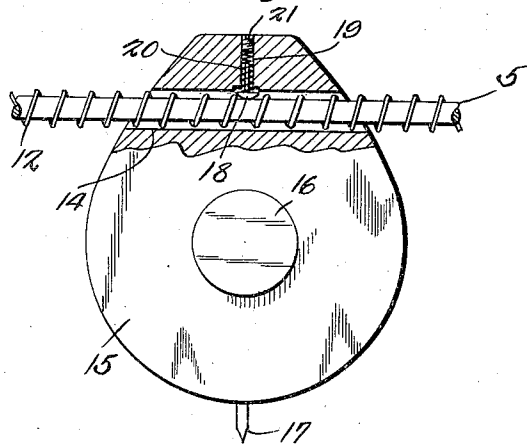


Fig. 3.



Sidney L. Long,
INVENTOR.

BY *Chas. Knowlton*

ATTORNEYS.

UNITED STATES PATENT OFFICE

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DUEL TARGET

Sidney L. Long, Minneapolis, Minn.

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7 Claims. (Cl. 273—102.1)

This invention proposes to provide means whereby, when a target is hit by a shot, the target will rotate, travel lengthwise of a screw, and give a reading on a scale, it being possible to locate shooters on opposite sides of the target, the target hits of a shooter on one side of the target reducing the score made by the target hits of a shooter on the opposite side of the target. Another object of the invention is to provide means for mounting resiliently the frame that carries the target, for two reasons; primarily to prevent the device from being overturned by a shot, and secondarily to facilitate the folding of the device for packing.

Other objects will be made manifest as the description proceeds. A mechanic who keeps within the scope of what is claimed may make alterations without departing from the spirit of the invention.

Fig. 1 is an elevation with parts broken away, Fig. 2 is a vertical section, and Fig. 3 is an elevation of the target, parts being broken away.

The device includes an elongated plate-like base 1, having thinned ends 2.

An inverted U-shaped frame 3 is provided. The frame 3 includes parallel vertical standards 4 connected near their upper ends by a cross rod 5.

The lower ends 6 of the standards 4 are at right angles to the length of the standards, and therefore the frame 3 stands yieldably but vertically on the ends 2 of the base 1 under the impulse of pull springs 7 located in grooves 8 in the standards 4, the upper ends of the pull springs being connected to the standards, and the lower ends of the pull springs being connected to the base 1.

The ends of a horizontal scale plate 9 are secured in the grooves 8 of the standards 4. Along its upper edge, the scale plate 9 has on each side a scale 10 reading in opposite directions from a zero point 11, and the device in general is duplicated on both sides.

The cross rod 5 carries a thread which may be formed in any desired way. In the interest of cheapness of manufacture, the thread may be a coiled spring 12, disposed about the cross rod 5, abutting at its ends against the standards 4 and held, within the post grooves 8, against rotation.

The cross rod 5 and its thread 12 extend through a transverse passage 14 in a target 15. The passage 14 is located nearer to the upper end of the target than to the lower end. The target 15 has bull's-eyes 16 on its opposite sides. The target 15 is supplied with a depending flexi-

ble index 17, cooperating with the scale 10 on the scale plate 9.

A latch 18 is vertically movable in a bore 19 in the upper edge of the target 15 and bears against the cross rod 5 under the impulse of a pressure spring 20 held in the bore 19 by a screw plug 21.

When the target 15 is hit by a shot, the target rotates about the cross rod 5, the latch 18 cooperates with the thread 12 of the cross rod, the target moves lengthwise of the cross rod and of the scale plate 9, and the index 17 on the target indicates a score on the scale 10. The spring 20 permits the latch 18 to yield under the effort of an operator, and therefore the target 15 can be set to the zero point 11 of the scale 10 by a right line sliding movement.

Rules of play have nothing to do with a patent application, but it may be observed that squads of shooters may be located on opposite sides of the target 15, since the target has a bull's-eye 16 and a scale 10 on each of its opposite surfaces. The score of one squad of shooters will offset and reduce the score of the other squad of shooters, because the target 15 moves in opposite directions with respect to the scale 10, depending on which side of the target is hit by a shot.

The device is a light table game and therefore no secure mounting for the base 1 is desirable. The article, however, will not overturn when the target 15 is hit by a shot, because the standards 4 are connected yieldably and resiliently to the base 1 by the springs 7, which serve to erect the frame 3 after the target 15 is hit by a shot, should the shot have considerable force.

No shooting-piece is shown, because I know that a gun or pistol and a target cannot be covered in one application for patent, and because I do not wish to be confined to any particular form of arm. It is suggested that a simple pistol (not shown) carrying a spring-actuated projectile connected to the pistol by a string, will answer the purpose.

Since the frame 3 is connected to the base 1 yieldably and hinged by the springs 7 only, the frame can be folded into parallel relation to the base 1 for convenience in storage or shipment.

The game may terminate when the index 17 of the target 15 has reached any predetermined mark on the scale 10, or when the target has arrived at one of the standards 4, or the game may be played on a time limit, each side being credited with its score at the end of the time limit, whereupon the target 15 is run back to initial position, a new game being begun.

What is claimed is:

1. In a device of the class described a base, a frame yieldably mounted on the base, the upper portion of the frame being provided with a rod, and a target rotatably mounted on the rod, the target being held by gravity in a vertical operative position.
2. In a device of the class described, a base, a frame carried by the base, a rod carried by the upper portion of the frame, a two-faced target carried by the rod, the target being held by gravity in a vertical operative position, a two-faced scale member wherewith the target cooperates, the scale being carried by the frame, below the target, and means for causing the target to travel along the rod, responsive to impact upon the target.
3. A device of the class described comprising a frame, a horizontal member carried by the frame and having a thread, a target journaled on said member having means for engaging the thread, a scale member carried by the frame, the target having an index cooperating with the scale member, whereby when the target is hit by a shot it will be rotated and moved longitudinally of the scale member and the threaded member.
4. A device of the class described comprising a frame, a member carried by the frame having a thread, a target journaled on said member having means for engaging the thread, in combination with a scale member carried by the frame,

the target having an index cooperating with the scale member when the target is rotated by a shot and moved longitudinally of the scale member by the thread, said thread engaging means being yieldable under force applied by an operator to shift the target rapidly by right-line sliding movement to reset position.

5. A device of the class described comprising a frame, a horizontal member carried by the frame and having a thread, a target journaled on said member having means for engaging the thread, said target having bull's eyes on its opposite sides, enabling shooters to be located on opposite sides of the target, the target-hit of the shooter on one side moving the target in one direction, and the target-hit of the shooter on the opposite side moving the target in an opposite direction.

6. A device of the class described comprising a base, a frame, a target rotatably mounted on the frame, and means for connecting the frame resiliently with the base, said means being effective to maintain the frame yieldably erected.

7. A device of the class described comprising a frame, a horizontal member carried by the frame and having a thread, a target journaled on said member and having means for engaging the thread, said means being yieldable under force applied by an operator, to shift the target rapidly by right-line sliding movement.

SIDNEY L. LONG.