Sept. 11, 1951 P. FEDROWICH 2,567,557

RIFLE TARGET

Filed Oct. 6, 1949

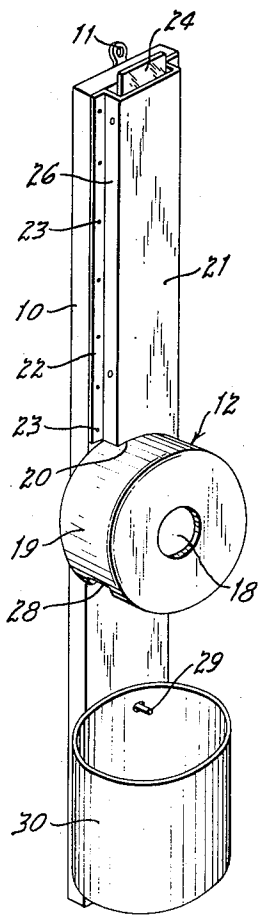


Fig. 1.

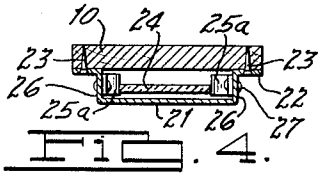


Fig. 4.

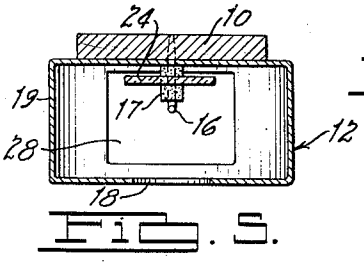


Fig. 5.

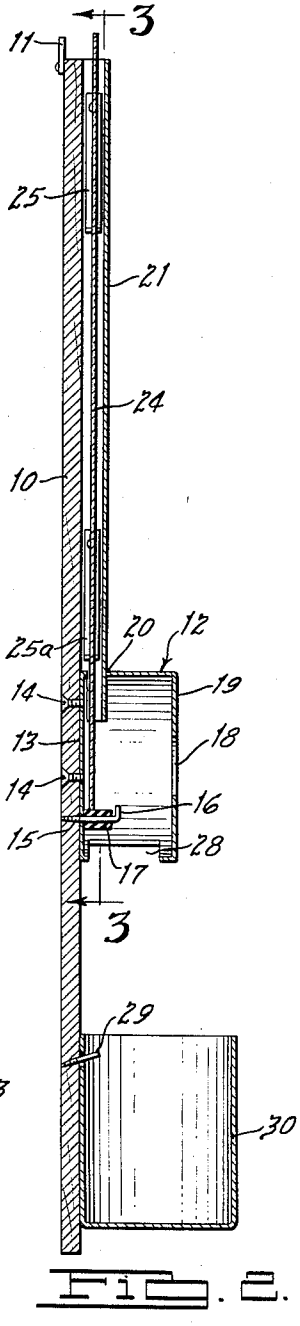


Fig. 2.

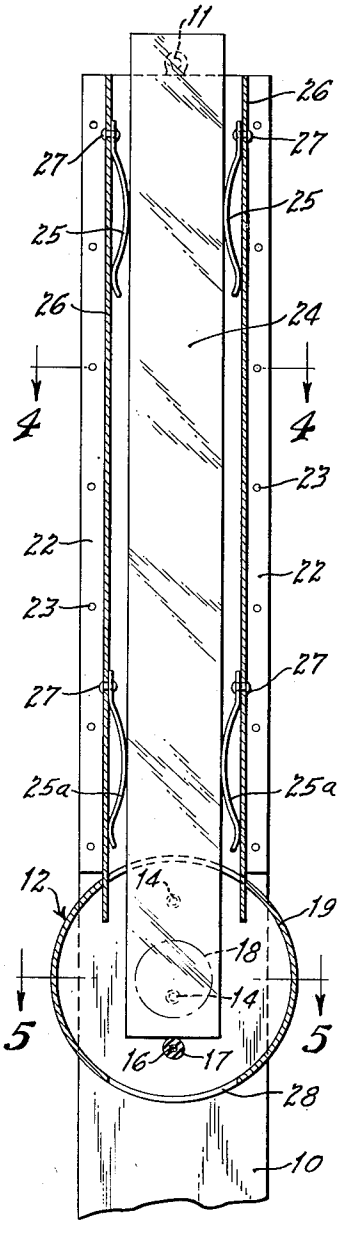


Fig. 3.

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Patented Sept. 11, 1951

2,567,557

UNITED STATES PATENT OFFICE

2,567,557

RIFLE TARGET

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Application October 6, 1949, Serial No. 119,964

5 Claims. (Cl. 273—102)

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My improvement pertains to targets especially adapted for use with air rifles and air pistols, although the target is not restricted for use with air guns alone. The novelty of my improvement lies in the fact that the target includes a self-feeding strip of glass which is broken off bit by bit by pellets or missiles from the rifle or pistol, as the case may be, as said missiles strike the lower portion of the glass strip extending into a drum which forms a part of the target. The resulting tinkle of glass, magnified by a drum, gives audible proof of good marksmanship, and materially adds to the enjoyment of the target practice. Another object of my invention is to provide a target which, having the appeal of a novelty, will be simple in construction and cheap in cost.

I shall now describe my improvement with reference to the accompanying drawings, in which:

Fig. 1 is a perspective view of my target assembly;

Fig. 2 is a vertical sectional view thereof;

Fig. 3 is a sectional view on line 3—3 of Fig. 2;

Fig. 4 is a sectional view on line 4—4 of Fig. 3;

Fig. 5 is a sectional view on line 5—5 of Fig. 3.

Similar numerals refer to similar parts throughout the several views.

The target as made by me includes a few elements combined into a new and useful assembly. Thus, the resulting combination includes a mounting board 10 which, in its normal position, may be suspended by an eyelet 11. Mounted on the board, approximately midway its length, is a cylindrical hollow drum 12 of a diameter exceeding the width of board 10. The drum has a solid back wall 13 perforated for application of screws 14, by means of which the drum is secured to the board. Another aperture 15 below the center of the back wall serves for reception of an upwardly-turned hook 16, the latter being provided with a collar 17 made of wood, plastic, or some other relatively soft material. The shank of the hook is screwed through said opening 15 into the board 10.

The front wall of the drum is provided with a circular opening 18, while the cylindrical wall 19 of said drum has a narrow opening at the top, the opening forming a slot 20 extending parallel to the front surface of board 10. Secured to the board above the drum and partly entering the drum through said slot 20 is a trough-shaped member 21 formed with flanges 22, which, by means of nails 23, are secured to board 10. The member thus secured forms a vertical chute for reception of a strip of glass 24. The strip, inserted into the chute, is alined centrally within said chute by means of resilient low-tension leaf springs 25. The springs are arranged in opposed relation to each other, as shown in Fig. 3. For best efficiency, two pairs of such springs are used, one pair being within the upper portion of the chute and the other pair, marked 25a being disposed within the lower portion of the chute. The springs are secured at one end to the sides 26 of said chute by means of bolts 27. Another aperture in the drum is made in the lower portion of the cylindrical wall 19 of the drum at 28, said aperture serving as an outlet from the drum. Suspended directly below said aperture 28, by means of a pin 29, is an open-topped container 30.

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Now I shall describe the operation of my target assembly, which I shall briefly designate as a target. The target is suspended by means of the eyelet 11, at the top of board 10, upon a wall, post, or some other supporting device. A narrow strip of glass is inserted into the chute, the glass being gripped at the sides by resilient leaf springs 25 and 25a. The lower part of the strip of glass will rest on the collar 17 on hook 16 so that a small length of the glass strip will be visible through the front opening of the drum when the target is viewed from the front. When the bottom portion of the glass strip is struck by the pellet from an air gun, a small length of the glass strip at the bottom thereof will be shattered, whereupon the strip of glass, by its weight, will slide down until it rests upon the collar 17 on hook 16. Thus, another length of the glass strip will be automatically exposed for a shot from a gun. The broken glass will, naturally, fall down, by gravity, into the container 30 under the drum of the target. Obviously, for best results the strip of glass ought to be made thin to allow easy breakage thereof under the relatively small force of impact of an air gun pellet.

The drum described above is, preferably, made of metal. Therefore, pellets which miss the central opening in the front of the drum are likely to rebound from the outer surface of said drum. To prevent this, it is suggested that a disk made of cardboard, plastic, or wood be applied to the front surface of the drum. The disk, naturally, would be provided with an opening corresponding to that of the drum itself. Any suitable means could be used to support the disk in place, such means including screws, hooks, clips, or any other appliances.

It will be obvious that some changes may be made in the construction of my target without

departing from the inventive principle disclosed herein.

What I, therefore, wish to claim is as follows:

1. A target assembly of the kind described, said assembly including a vertical board, a horizontally-disposed hollow drum mounted thereon, the axis of the drum being at right angle to the plane of the board, said drum having an open front, a slot at the top, and an outlet at the bottom, said slot and said outlet being alined vertically, a vertical chute mounted on top of the drum over the slot in said top, a narrow strip of a frangible material slidingly disposed within the chute, and a pin within the drum below the center thereof for support of said strip from below.

2. A target assembly of the kind described, said assembly including a hollow cylindrical drum in a horizontal position, the drum having an open front, a slot in the cylindrical wall of the drum at the top thereof, an outlet in said wall at the bottom, a vertical chute above the drum and opening into the drum through said slot at the top of the said cylindrical wall, a narrow strip of glass slidingly disposed within the chute, and a pin within the drum below the center thereof to support a strip of glass from below.

3. A target assembly of the kind described, said assembly including a hollow cylindrical drum in a horizontal position, the drum having an open front, a slot in the cylindrical wall of the drum at the top thereof, an outlet in said wall at the bottom, a vertical chute above the drum and opening into the drum through said slot at the top of said cylindrical wall a narrow strip of glass adapted to a slide downwardly into said drum, and leaf springs within the chute in opposed relation to each other and adapted to bear yieldingly against the sides of the strip of glass to keep the glass in a vertical position.

4. In combination, a vertical mounting board, a cylindrical drum, including a cylindrical wall, a solid back wall mounted on the board, and a front wall provided with a central circular opening therein, said drum being provided with an inlet in said cylindrical wall at the top thereof and an outlet within said cylindrical wall at the bottom thereof, a flat vertical chute mounted on the board over the drum and extending at its lower portion into the drum through said inlet, a narrow strip of an easily frangible material disposed within the chute and adapted to slide downwardly by gravity into the drum, and a hook within the drum under the center thereof and directly under said inlet to support said strip.

5. In combination, a vertical mounting board, a cylindrical drum, including a cylindrical wall, a solid back wall mounted on the board, and a front wall provided with a central circular opening therein, said drum being provided with an inlet in said cylindrical wall at the top thereof and an outlet within said cylindrical wall at the bottom thereof, a flat vertical chute mounted on the board over the drum and extending at its lower portion into the drum through said inlet, the chute being adapted to contain a narrow strip of an easily frangible material, leaf springs within the chute, said leaf springs being mounted on the inner sides of the chute and extending from opposite sides inwardly towards the center line thereof, and a hook within the drum under the center thereof and directly under said inlet to support said strip.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,378,340	Fairchild	May 17, 1921
1,723,826	Van Auken	Aug. 6, 1929
1,825,292	Van Auken	Sept. 29, 1931
1,970,676	Van Auken	Aug. 21, 1934