April 12, 1938. E. W. CRESWELL 2,113,719

TARGET GAME

Filed May 18, 1935

Fig. 1.

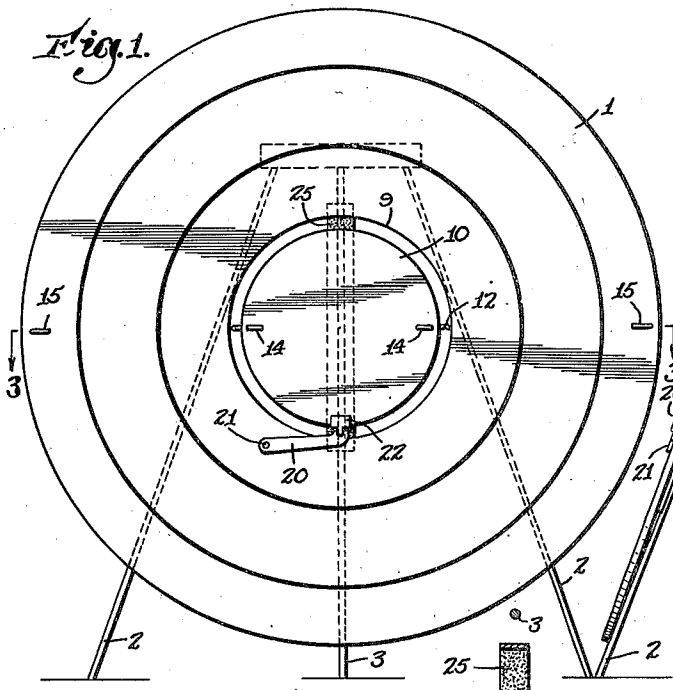
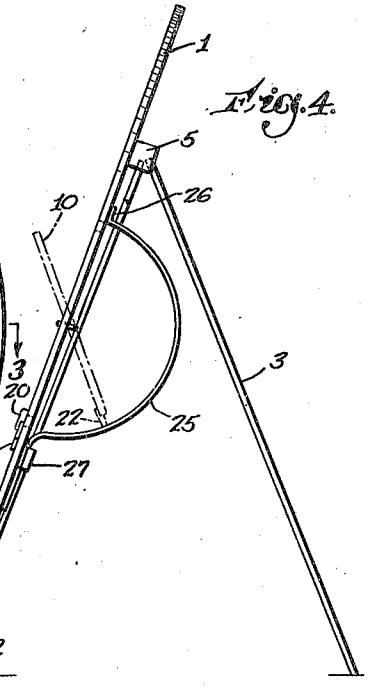


Fig. 4.



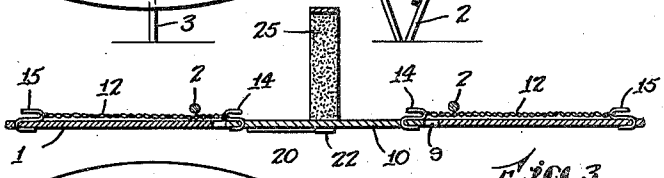


Fig. 3.

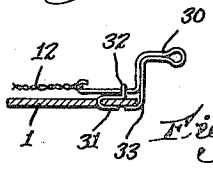


Fig. 5.

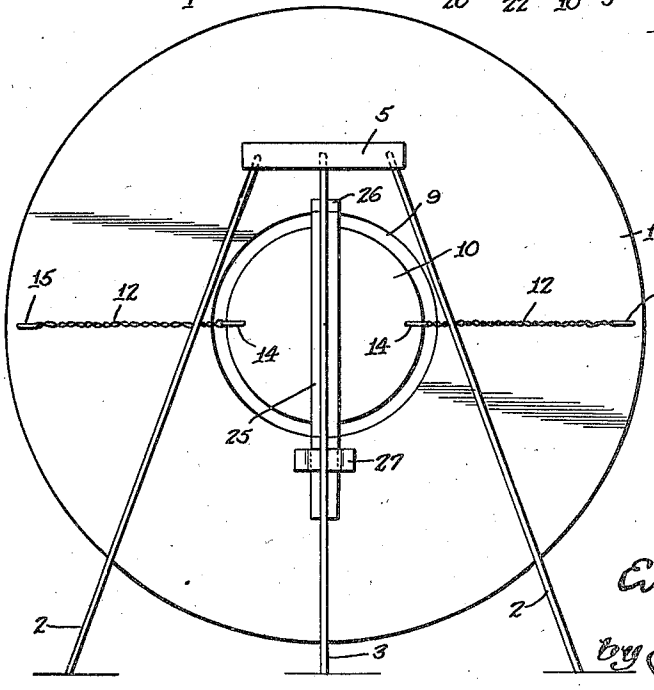


Fig. 2.

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2,113,719

UNITED STATES PATENT OFFICE

2,113,719

TARGET GAME

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Application May 18, 1935, Serial No. 22,207

3 Claims. (Cl. 273—102.1)

My present invention is a novel, improved, and attractive type of target game, or toy, and preferably comprises a target member having a movable center, preferably rotating or oscillating, and in combination with means to produce a sparking feature, or series of sparks.

In my present device I have developed an apparatus which may be of any suitable size either for a standard type of target game or a small foldable toy, preferably used with a missile of any sort such as a bow and arrow in the large size game, blow gun, pop gun, or, in fact, any missile which may be thrown against the target, which immediately when striking the center, which is rotatable or oscillating, thereupon produces the sparking effect constituting an important and striking novelty in the invention.

In carrying out the invention in preferred form, as illustrated in the drawing, I have shown same as a target having a foldable or detachable stand, and a rotatable center member, which may be mounted on a rubber band or other means to produce the quick and speedy rotation of the center when struck by the missile, releasing the target and effecting rotation of the bull's-eye or center, which, in turn, carries metal devices adapted to strike against a sheet of emery cloth, sandpaper, or the like, and producing the sparking effect which gives an attractive, desirable and even startling effect.

Referring to the drawing,

Fig. 1 is a front view of a preferred embodiment of my device in the form of a target with a movable center;

Fig. 2 is a reverse view showing the back and supporting stand, and the rubber band or equivalent means holding the rotatable center in position;

Fig. 3 is a cross-sectional view on the line 3—3 of Fig. 1;

Fig. 4 is a side view illustrating in dotted lines the rotatable target and sparking effect, and

Fig. 5 is a detailed view showing the hand-winding means to rewind the rubber band, or equivalent, when setting the target.

As shown in the drawing, the target 1 is of the usual circular contour, having a plurality of circles formed on the face thereof, which may be lettered with the bull's-eye 100, and the subsequent circles extending outwardly may be lettered 80, 60, 40, or in any desired manner, or may be of any contrasting colors with or without the lettering figures. A suitable tripod or stand is designated with diverging legs 2—2 and a rearwardly extending support 3, which may be attachably or otherwse secured to the target 1 by a plate or retaining fastening member 5.

As clearly shown in the drawing, this may be of wood, metal, or other material, and suitably proportioned for the size and dimensions of the target and may be permanently or removably attached to the target 1, as desired, folding up into compact space by a pivotal connection with the rearwardly extending lug 3 and the member 5. The center of the target 1 is cut out at 9 to receive a moving, rotating, or oscillating bull's-eye 10 of slightly less diameter than that of the cut-out opening, which bull's-eye member is supported approximately central of the cut-out opening 9 by yieldable members 12—12, such as rubber bands, springs, or equivalent, attached to the bull's-eye center 10 at diametrically opposite points 14—14, and having the opposite ends attached to the target 1 at 15—15 by any suitable means, such as the S-clips illustrated in the drawing. The bull's-eye 10 thus is yieldingly and, in effect, floating approximately in the center of the opening 9; and upon winding up the bull's-eye and contracting the yielding rubber spring or equivalent members 12—12 and thereupon releasing of the same, a quick rotative movement of the bull's-eye 10 will be produced, as will be readily appreciated.

In order to hold the bull's-eye 10 when the members 12—12 are thus wound, I provide a trigger member 20 secured pivotally at 21 to the target 1 and adapted to engage a metal projecting member 22 carried on the bull's-eye, which member is effective to produce the sparking effect upon the release of the bull's-eye and the rotation effected by the unwinding of the members 12—12 by striking and traversing a sandpaper or emery cloth strip 25 positioned in alignment therewith at the rear of the target.

If desired, two metal striking members 22 may be provided at diametrically opposite positions on the bull's-eye 10 and both in alignment with the sandpaper strip 25, thus increasing the sparking effect upon the rotation of the bull's-eye 10. The strip 25 may, if desired, be appropriately secured to the target 1, but I prefer to secure the same in adjustable position so as to enable it to be diametrically adjusted to compensate for wear and to insure the continuation of the sparking effect during the use of the game or target.

To this end I attach one portion of the sandpaper strip 25, for example the upper portion as shown at 26, permanently to the target 1, and adjustably secure the opposite end through a friction member 27 also secured to the target 1 and in

diametrically opposite position to the point 26 and in alignment so the strip 25 will be struck and traverse substantially throughout its length by the metal member 22 on the rotating bull's-eye 10. The strip can thus be frictionally held by the member 27 in adjusted position and tightened or released to obtain the best effect.

In order to wind up the members 12 the bull's-eye 10 can be rotated by hand or, if desired, a handle can be attached, as shown in Fig. 5, to opposite ends of the members 12 thus permitting the bull's-eye 10 to be set on the trigger 20 and then, with the flexible members 12 attached to the rotatable handle 30, as shown in Fig. 5, this handle can be turned and the members 12 wound up. A convenient construction is shown whereby the handle 30 is rotatably secured to the outer edge of the target 1 by a clip 31, having an eye 32 therein through which the shank of the handle 30 passes.

A depending portion of the handle 30 as illustrated at 33 is arranged so that the handle 30 may pull outwardly, twisting up to wind the member 12, and then released to permit the clip 33 to engage the adjacent edge of the target 1 and thus hold the wound-up member 12 in its tensioned position, the target bull's-eye 10 being meanwhile held by the trigger 20.

With the construction as above described and the bull's-eye 10 floating in the center of the target, a missile striking any part of the bull's-eye 10, either above or below the line of the members 12, will vibrate, shake, or move the bull's-eye sufficiently to release the trigger 20 and permit it to drop, thus instantly causing the bull's-eye 10 to rotate, unwinding the members 12, striking the metal part 2 against the sandpaper or emery cloth 25, and produce the sparking feature.

It will be appreciated that various modifications of my invention may be developed, any suitable material or materials employed, and any desired size or design utilized within the scope of the invention and the claims. So far as I am advised, it is broadly new to have a game or target of the kind described with the floating center capable of being released by a missile of any kind striking any part of the floating bull's-eye, effecting a rotation or oscillation of the same, and I wish to claim this feature broadly.

It is also a distinct novelty, so far as known, to have an automatic sparking or lighting effect produced by a movable target center when struck by a missile, and I wish to claim this feature broadly herein.

If desired, special missiles may be developed, such as blunt arrows, rubber-tipped devices, or the like, and rules, regulations, and conditions for individuals, groups, series or team matches can be employed in connection therewith.

I claim:

1. A target of the kind described, having a rotatable center, means to place the rotatable center under tension, and trigger means operative to release the rotatable center when under tension upon the striking of the center at any point by a missile, or the like.

2. A target of the kind described having tension-operated, non-explosive, spark-creating means constructed and arranged to be automatically actuated by the striking of a missile against the surface of a target to produce a sparking effect.

3. A target of the kind described having tension-operated, non-explosive, spark-creating means constructed and arranged to be automatically actuated by the striking of a missile against the surface of a target to produce a plurality of continuous sparking effects.

EVERETT W. CRESWELL.