June 17, 1952 G. R. TESCHEL ET AL 2,601,070

MARBLE SHOOTER

Filed Oct. 16, 1950

Fig. 1.

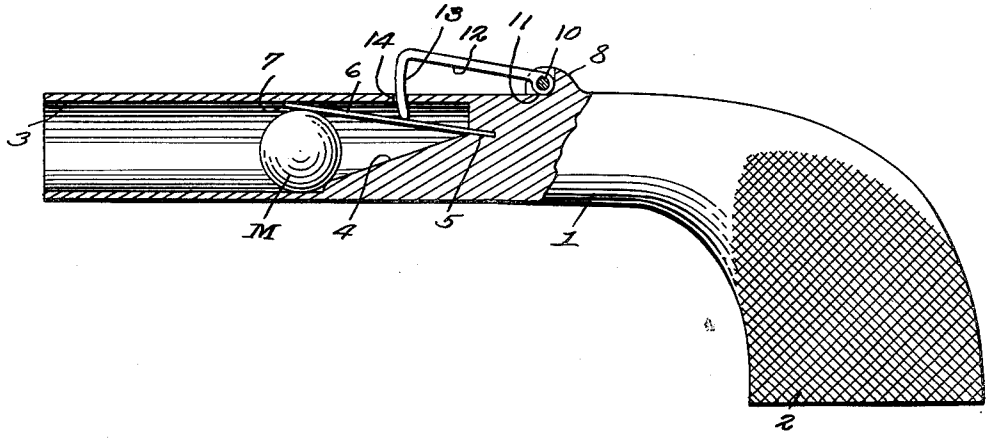
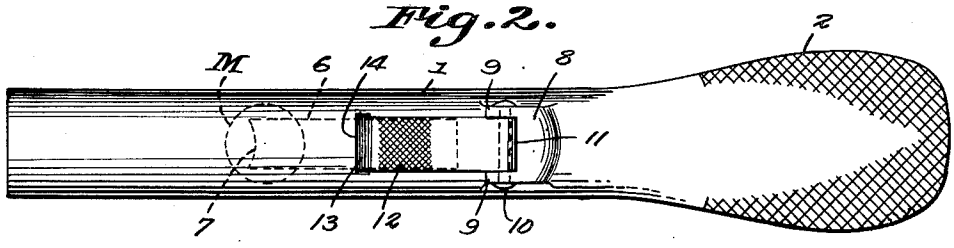


Fig. 2.



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MARBLE SHOOTER

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1 Claim. (Cl. 124—10)

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This invention relates to a pistol-like device adapted to shoot an ordinary marble or other globular object.

One important object of the present invention is to provide a marble shooter adapted to propel a marble or other globular object a substantial distance with considerable force.

Another important object is to provide a shooter which will achieve the result stated above but which will nevertheless be of very simple construction and which will be capable of manufacture at low cost.

Another important object is to provide a marble shooter which will be capable of being fashioned in faithful simulation to a pistol or similar weapon.

Still another object is to provide a shooter so formed that a marble dropped into the barrel thereof will wedge between the wall of the barrel and a flat spring, said spring being depressible intermediate its ends by a push trigger in such a manner as to ultimately direct its force against a portion of the surface of the marble disposed to cause the marble to be propelled by the spring out of the barrel with considerable force and velocity.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

Referring to the drawings:

Figure 1 is a view partly in side elevation and partly in longitudinal section through a marble shooter formed in accordance with the present invention.

Fig. 2 is a top plan view.

Referring to the drawings in detail, the invention includes a body 1 formed at one end with the pistol grip 2, said body being fashioned in the approximate form and appearance of a pistol or similar weapon. Of course, the pistol grip 2 could if desired be omitted and it is additionally entirely possible that the body 1 could be formed in the shape of a rifle or other weapon.

In any event, at one end the body 1 is formed with the bore 3, said bore terminating at its inner end intermediate the ends of the body 1, the inner end wall of the bore 3 being formed with the inclined ledge 4 and with the inclined recess 5 in which is embedded or otherwise secured one end

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of a flat spring 6 inclined oppositely to the ledge 4 so as to define a wedging area in which a marble M will wedge when dropped into the bore 3.

As will be seen, the spring 6 projects longitudinally of the barrel a short distance, and at its free end is preferably formed with the concave end edge 7.

Mounted upon the barrel's external surface is a push trigger, which is pivotally mounted upon a boss 8 that is integrally formed upon the body 1. The boss 8 in the present instance has the forwardly extended spaced apart ears 9 between which extends the pivotal connection 10 such as a pin or the like, said pin 10 extending through an eye 11 formed upon the inner end of the push trigger 12, the external surface of which can be knurled as best seen in Fig. 2 to provide a good grip for the thumb of a user.

At its free end, the push trigger 12 is provided with a depending lip 13 that extends downwardly through a transverse slot 14 formed in the barrel wall so as to permit said lip 13 to engage the intermediate portion of the spring 6.

In use, the marble M is dropped into the barrel as noted above, and wedges between the free end of the spring and the opposite portion of the ledge or barrel wall.

The marble M is now in position to be shot from the barrel, and for the purpose of propelling the marble from the barrel, the user simply presses downwardly upon the knurled middle portion of the push trigger, so as to cause the lip 13 to exert strong downward pressure against the medial portion of the spring. One end of the spring, of course, is anchored, but the other end is free, and pressure exerted upon the medial portion of the spring causes said medial portion to be depressed a substantial distance.

Depression of the medial portion of the spring causes ultimate movement of the spring pressure upon the marble M to a location where the pressure will be exerted oppositely to the exposed or left-hand side of the marble as seen in Fig. 1. This will cause the marble to be suddenly propelled from the barrel with great force and velocity.

Upon release of the push trigger the spring 6 will revert to the normal position seen in Fig. 1, and will automatically elevate the push trigger for the next use of the device.

What is claimed is:

A marble shooter comprising an elongated body, a laterally extending pistol grip carried by the body adjacent one end thereof, said body having an elongated axial bore extending there-

into through the end thereof remote from the pistol grip, a wall within the body adjacent the pistol grip, said wall inclining inwardly as it recedes from the open end of the bore and being disposed on the side of the bore adjacent the pistol grip, said body having an opening extending therethrough on the side thereof remote from the pistol grip and communicating with the bore intermediate the ends of the inclined wall, a leaf spring carried by the body and projecting into the bore adjacent the end thereof adjacent the pistol grip, said spring lying at a divergent angle to the inclined wall and extending between the wall and opening in the body, a trigger mounted on the body adjacent the opening to move about an axis which lies perpendicular to the axis of

the bore, a lip carried by the trigger and extending through the opening for engaging the spring and moving it toward the inclined wall whereby a marble resting on the wall and contacting the spring will be forcibly propelled through the bore and out of the body.

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REFERENCES CITED

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

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