June 17, 1941. J. HALBERSTADTER 2,246,041

AMUSEMENT DEVICE

Filed May 8, 1940

Fig. 1

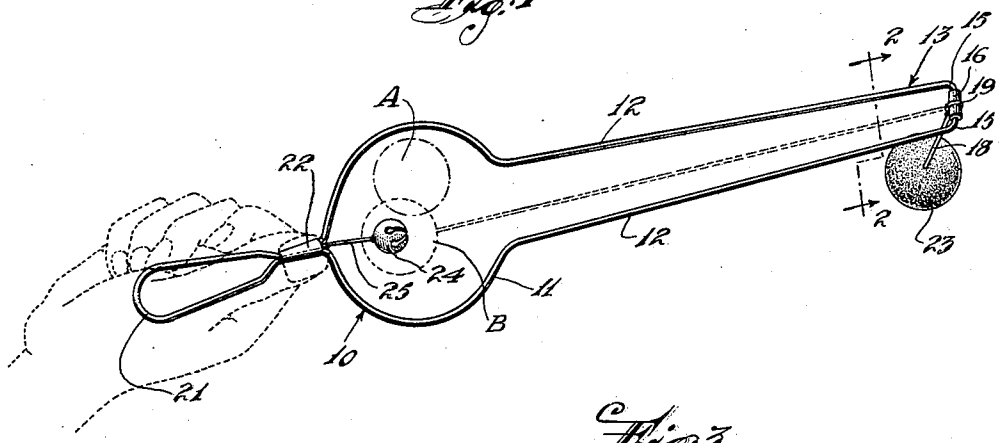


Fig. 2

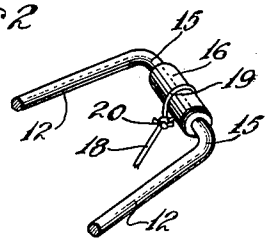


Fig. 3

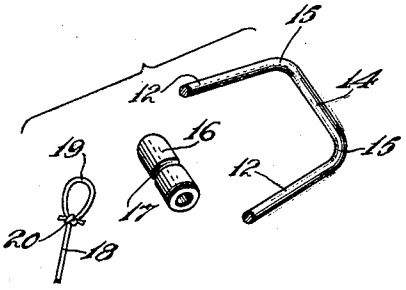


Fig. 4

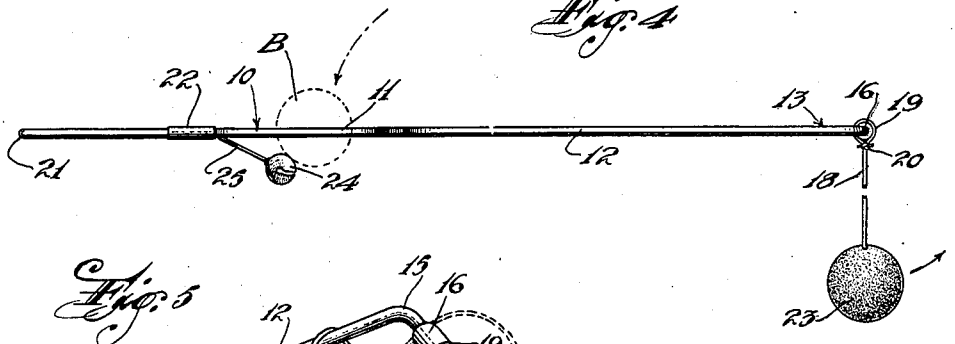
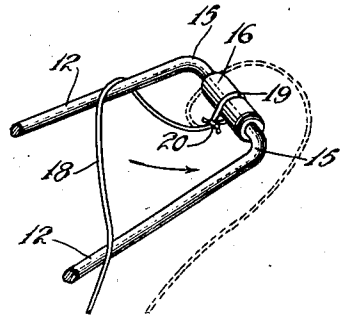


Fig. 5



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UNITED STATES PATENT OFFICE

2,246,041

AMUSEMENT DEVICE

Joseph Halberstadter, Newark, N. J., assignor of one-half to Louis Halberstadter, Newark, N. J.

Application May 8, 1940, Serial No. 333,956

4 Claims. (Cl. 46—52)

An object of this invention is to provide a device for entertainment and amusement purposes, which requires, in the use thereof, the coordination of the faculties, thereby combining entertaining and educational features.

A further object of the invention is to provide a device of this character wherein a ball is suspended for rotation 360° at the end of a cord, the device being provided with a bell which may be struck by the ball during the rotation thereof, upon the exercise of a degree of skill in the manipulation of the device.

A further object of the invention is to provide a device of this character having a novel means for positioning the bell in a manner which will assure a minimum of resistance to the rotation of the ball, the device being so constructed as to prevent the fouling of the ball cord.

A further object of the invention is to provide a device of this character adapted to be manufactured at low cost with the use of simple tools and dies.

A further object of the invention is to provide a device of this character which embodies novel features of construction enabling the device to be readily manufactured without the use of complicated machinery and providing a rugged structure which will not break down or require repair in use although subjected to the rough usage which devices of this character receive.

These and other objects which will later appear are accompanied by the simple and practical construction, combination and arrangement of parts hereinafter described and shown in the accompanying drawing wherein:

Fig. 1 represents a top plan view of an amusement device constructed in accordance with my invention showing, in dotted lines, the manner in which the same is held in one hand for the purpose of manipulating the device,

Fig. 2 represents an enlarged fragmentary perspective view taken on lines 2—2 of Fig. 1 in the direction indicated by the arrows, Fig. 3 represents a similar view with the parts shown separated for the sake of clarity, Fig. 4 represents a side elevational view of the device, and Fig. 5 represents a view similar to that of Fig. 2 but indicating one possible position of the cord when the device is improperly manipulated.

In the drawing, the device of my invention is shown to comprise a frame 10 in the form of an open loop 11 communicating at one end, preferably integrally, with the legs 12 of a U-shaped member 13, said legs being tapered inwardly remotely from the loop 11 and being connected by gradually curved shoulders 15 with a transverse portion 14. A collar 16 is rotatably positioned on the transverse portion 14 intermediate the shoulders 15, said collar being provided with a medially peripherically recessed portion 17 to which one end of the cord 18 is secured by means of a loop 19, or the like. Said loop 19, as will be noted from Figs. 2 and 3, is not drawn tightly upon the collar 16 but is closed or knotted as to 20 so that the loop 19 will have a relative free movement in the recessed portion 17 of the collar 16 whereby the cord and its loop may be freely rotated upon the collar independently of the rotation of the latter, except when the cord is taut and the loop has a sufficient friction grip on the collar at which time the loop 19 will rotate as a unit with collar 16. The closed end of the loop 11 is preferably provided with a handle 21 having a closure member 22. A ball 23 of any suitable construction is secured to the other end of the cord 18, so that by grasping the device as indicated in Fig. 1 and manipulating the device by imparting thereto a slight up and down tilting motion, the ball 23 will be caused to rotate 360° and by the coordination of the visual and manual faculties and a degree of skill, the ball will be caused to rotate through the loop 10. A member 24 is secured to the loop 10 (or to the handle 21) by means of a spring wire 25 which is inclined angularly as in Fig. 4 so that the member 24 will be positioned at a point in registry with the loop 10 but at a different plane. The member 24 is preferably in the form of a bell or other noise-making element so juxtaposed in the path of rotation of the ball 23 through the loop 10 that by proper manipulation the ball 23 may be caused to strike and ring the bell 24 during each passage of the ball 23 through the loop 10, as indicated at B Figs. 1 and 4. If the device is not properly manipulated the ball may pass through the loop as at A in Fig. 1 without striking member 24 or may clear the outside of the loop in its rotation. The spring wire 25, to which the bell 24 is secured, is angularly inclined so that in the use of the device it will offer a minimum of resistance to the rotation of the ball 23 which will strike it a glancing blow, after which the wire will snap back to its normal position. If desired the arrangement may be such that the ball 23 will strike the member 24 only when the ball passes medially through the loop 10 and not when the ball passes through said loop at a position such as indicated at A in Fig. 1, offset from the medial line. The legs 12 of U-shaped member 13 are tapered toward the transverse portion 14 and cooperate with the

curved shoulders 15 so that in the event the cord 18 becomes wound around the U-shaped member, the cord will automatically tend to return to its normal position as indicated in Fig. 5; the cord will slide along the leg of the tapered U-shaped member 13, around the shoulder 15 and will then (dotted line, Fig. 5) snap down to the normal position indicated in Fig. 4.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. An amusement device comprising a frame provided with loop, a member secured to and closing said loop, and provided with a transverse portion and with leg members tapered toward said transverse portion and connected thereto by curved shoulder portions, a collar rotatably positioned on the member intermediate the shouldered portions, said collar being provided with a peripherally recessed portion, and a cord provided, at one end, with a loop freely positioned in said recessed portion and adapted to have relatively free movement therein, a ball suspended from said U-shaped member and adapted to be rotated through said loop, and a member resiliently secured to said device and positioned in registry with the loop whereby by manipulating the device with a degree of skill the ball will be caused to rotate through the loop and strike the resiliently secured member.

2. An amusement device comprising a frame provided with loop, a member secured to and closing said loop and provided with shoulder portions, a collar rotatably positioned on the member intermediate the shoulder portions, said collar being provided with a peripherally recessed portion, and a cord provided, at one end, with a loop freely positioned in said recessed portion and adapted to have relatively free movement therein, a ball secured to the other end of said cord, and a member resiliently secured to said device and positioned in registry with the loop, whereby by manipulating the device with a degree of skill the ball will be caused to rotate through the loop and strike the resiliently secured member.

3. An amusement device comprising loop, a member secured to and closing said loop and provided with shouldered portions, a collar rotatably arranged on the member and confined by the shoulder portions, a cord secured, at one end, to said collar, a ball secured to the other end of said cord whereby by manipulating the device with a degree of skill, the ball will be caused to rotate through the loop, and a noise making member resiliently secured to said device in the path of rotation of said ball through the loop, said noise making member being so mounted on the device as to yield in the direction of rotation of the ball through the loop when struck by the ball.

4. An amusement device comprising a frame provided with a loop, a member secured to and closing said loop, said member being provided with a transverse portion and with leg members tapered toward said transverse portion and connected thereto by curved shoulder portions, said transverse portion being provided with peripherally recessed positioning means, and a cord provided at one end with a loop freely positioned in said recessed positioning means and adapted to have relatively free movement therein, a ball suspended from said U-shaped member and adapted to be rotated through said loop, and a member resiliently secured to said device and positioned in registry with the loop whereby by manipulating the device with a degree of skill the ball will be caused to rotate through the loop and strike the resiliently secured member.

JOSEPH HALBERSTADTER.