(No Model.)

G. W. GALBREATH.

TOY.

No. 473,736. Patented Apr. 26, 1892.

Fig 1.

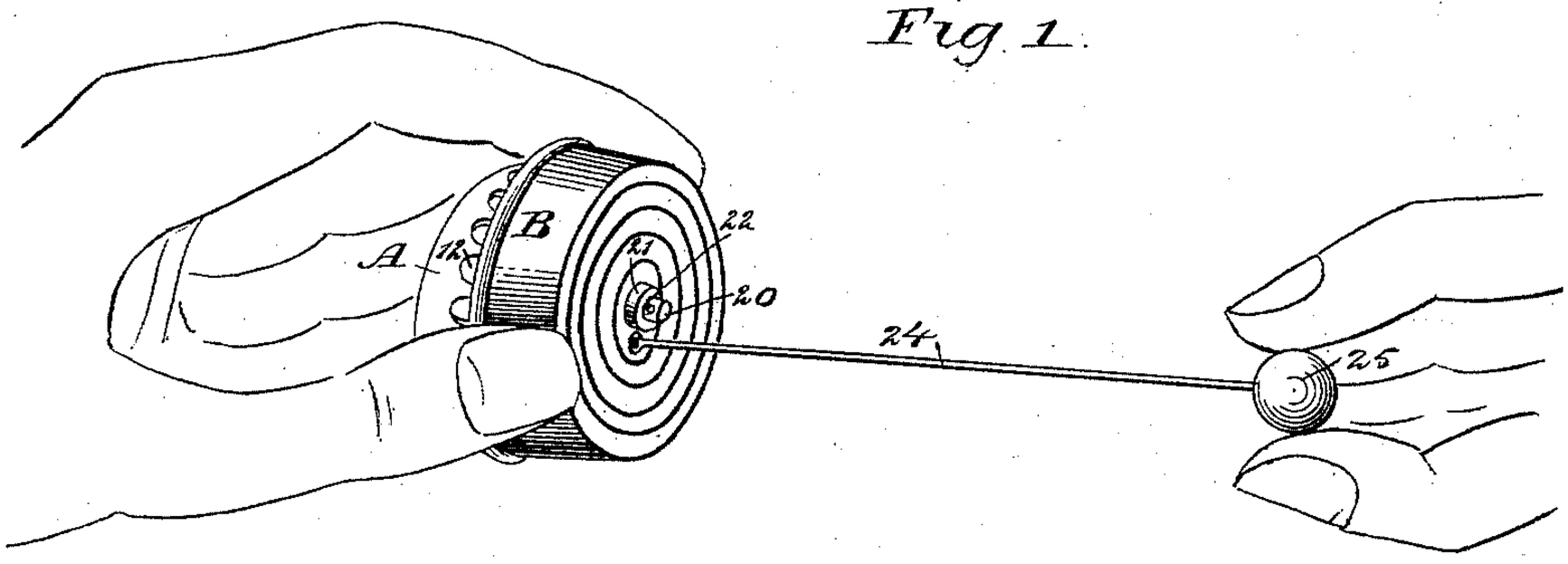


Fig 2.

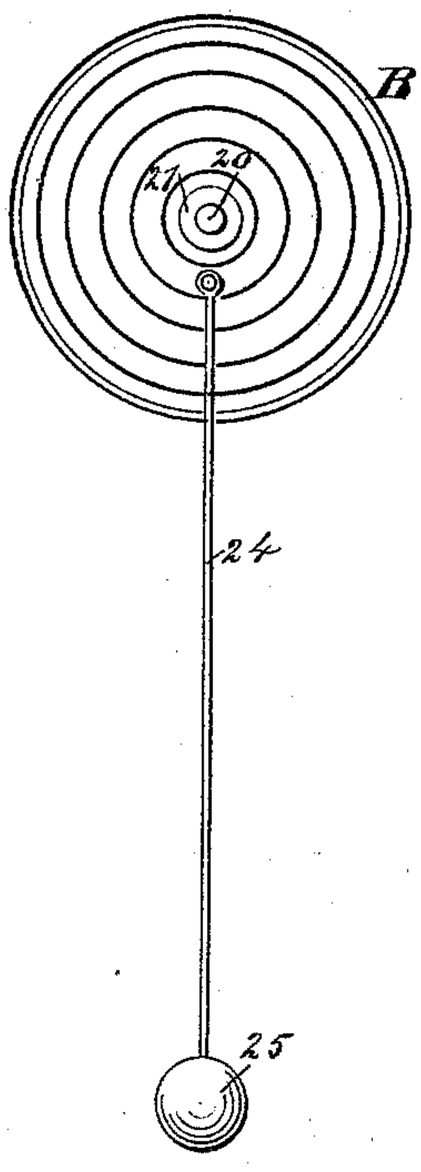
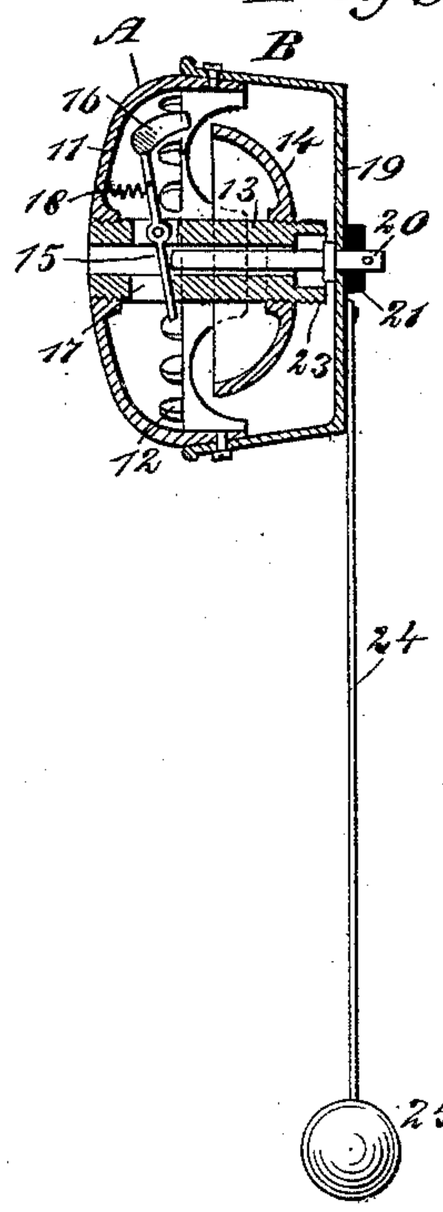


Fig 3.



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GEORGE W. GALBREATH, OF SEDALIA, MISSOURI.

TOY.

SPECIFICATION forming part of Letters Patent No. 473,736, dated April 26, 1892.

Application filed July 14, 1891. Serial No. 399,508. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. GALBREATH, of Sedalia, in the county of Pettis and State of Missouri, have invented a new and useful Improvement in Toys, of which the following is a full, clear, and exact description.

My invention relates to an improvement in toys, and has for its object to provide a toy of simple and durable construction, which toy is constructed somewhat in the nature of a target and is provided with an attached elastic cord carrying a weight adapted for engagement with the target, and when the target is struck by the weight at the center an alarm is automatically sounded. The toy is intended to be made sufficiently small to be held in the hand, and may be operated by one hand or by both hands jointly.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures and letters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the toy, illustrating the mode of using the same. Fig. 2 is a front elevation of the toy, and Fig. 3 is a central vertical section.

In carrying out the invention the toy is practically constructed in two sections A and B. The section A, which is the back, comprises a cup-shaped casing 11, preferably made of metal and provided at its forward edge with a series of openings 12. A hollow stud 13 is ordinarily screwed in the center of the casing 11, and comprises a portion of the section A, the stud being made to extend horizontally forward, as illustrated in Fig. 3. This stud, instead of being screwed into the casing 11, may be attached thereto in any suitable or approved manner. Near the forward end of the stud a gong 14 or the equivalent thereof is secured, the gong being preferably screwed to the stud, and the gong is of less diameter than the diameter of the casing 11, so that one will not interfere with the other. The gong also comprises a portion of the section A of the toy, and the construction of this section is completed by pivoting the shank 15 of a hammer 16 in a diametrical slot 17 produced in the stud, as is also best shown in Fig. 3. The hammer is normally held out of engagement with the gong through the medium of a spring 18, and the shank of the hammer extends through the opening 17 in the stud, the said opening being of sufficient width to permit the movement of the shank and the shank being pivoted at one side of the stud.

The front section B may be constructed of wood or of metal, and comprises, primarily, a casing 19, the front face whereof is preferably circular and flat. The said front face has produced thereon a target, as illustrated in Fig. 1, and the bull's-eye of the target consists of a pin 20, capable of movement in a suitable aperture, which pin also passes through an elastic washer or disk 21, which engages directly with the target-face of the casing. The pin is prevented from leaving the casing by an inward movement through the medium of a spur or spurs 22, formed upon the outer end of the pin, between which spurs and the target-face of the casing the washer 21 is located. The pin is limited in its outward movement through the medium of a collar 23, fast upon the pin and engaging with the inner front face of the casing 19. When the section B is secured to the section A of the toy, which is ordinarily accomplished through the medium of bolts, rivets, or their equivalents, the inner end of the pin is made to enter the bore in the stud 13, and when the pin is in its normal position its inner end will be nearly in engagement with the shank of the hammer 16.

As near to the center of the target as possible one end of an elastic cord 24 is secured, the other end of said cord having secured thereto a ball 25—as, for instance, a marble or the equivalent thereof—or any shape of a weight.

In Fig. 1 have illustrated one manner of operating the toy, which consists in holding the body of the toy in one hand with the target-face outward, grasping the weight or ball with the other hand, and drawing the said weight or ball away from the target, thus exerting tension upon its attached cord 24. The object of this is to cause the ball or weight when released to strike the pin 20, which may be called a "firing-pin" or "target-pin," and force the said pin to operate the lever-shank of the

hammer 16 and sound an alarm. After engaging with the hammer lever or shank the firing-pin is automatically returned to its normal position through the medium of the elastic washer or cushion 21.

Another manner of using the toy consists in holding the body of the toy in one hand between the three last fingers and shooting the ball outward with the index-finger and thumb, the object being to cause the ball to strike the bull's-eye or pin 20 and cause an alarm to be sounded. The openings 12 in the back section of the toy are purposed to permit the sound to escape when the gong is struck.

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

1. As an improved article of manufacture, a toy comprising united casings, one of which is provided in its face with an aperture and the other with a tubular stud, a gong located within the casing, a lever fulcrumed within the casing and carrying a hammer adapted for engagement with the gong, a pin held to slide in the aperture of the apertured casing and adapted for engagement with the hammer-lever, an elastic cord secured to the casing adjacent to the pin, and a weight carried by the said cord, substantially as shown and described.

2. In a toy, the combination, with a casing, a spring-pressed lever fulcrumed within the casing, carrying a hammer at one end, and a gong fixed within the casing and adapted to be struck by the hammer, of a pin held to slide in the casing, extending beyond one face thereof and adapted for engagement with the hammer-lever, an elastic cord attached to the face of the casing through which the pin passes, and a weight carried by the said cord, as and for the purpose set forth.

3. In a toy, the combination, with a casing having outlet-apertures, a spring-pressed lever fulcrumed within the casing, a hammer carried by the lever, and a gong fixed within the casing and adapted for engagement by the hammer, of a pin held to slide in one face of the casing and extending outward beyond said face, the forward and rearward movement of the pin being limited and its inner end being adapted for engagement with the spring-pressed lever, a spring controlling the outward movement of the pin, an elastic cord attached to the face of the casing through which the pin passes, and a ball attached to said elastic cord, as and for the purpose specified.

GEORGE W. GALBREATH.

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