April 17, 1962 J. H. LEMELSON 3,029,557

DELAYED ACTION TOYS

Original Filed Nov. 13, 1953

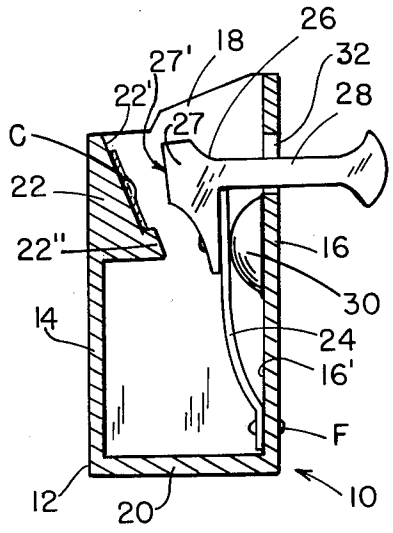


Fig. 1

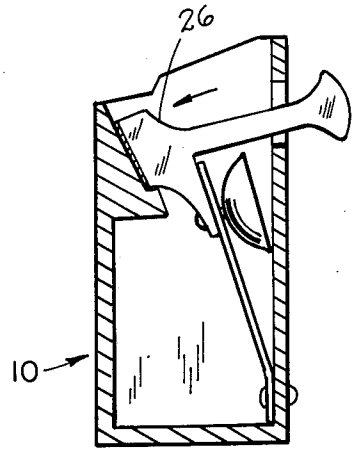


Fig. 2

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1

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DELAYED ACTION TOYS

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Original application Nov. 13, 1953, Ser. No. 392,186, now Patent No. 2,885,824, dated May 12, 1959. Divided and this application Oct. 22, 1958, Ser. No. 768,896

1 Claim. (Cl. 46—196)

This invention relates to improved noisemaking devices for use in the construction of novelties, games and toys. This is a division of my copending patent application entitled, Sounding Jumping Toy, Serial No. 392,186, now Patent No. 2,885,824, filed on November, 13, 1953.

It is a primary object of this invention to provide a new and improved noisemaking device for use as a novelty or a component of a toy or game which is simple in construction, easy to operate and low in cost.

Another object is to provide an improved noisemaking device which will create a sudden noise a delayed period after being set without the need for direct action on the part of an operator to cause said device to trigger to create said noise.

Still another object is to provide a new and improved delayed action noisemaking device in the form of a percussion cap firing mechanism which is quite simple in structure and relatively easy to operate and which may be applied to a variety of toys and novelties.

The above description as well as further objects, features and advantages of the present invention will be best appreciated by reference to the following detailed description which makes reference to the drawing, wherein

FIG. 1 shows in partial cross-section a delayed action percussion cap-firing device embodying features of the present invention with a delay mechanism thereof in a cocked position;

FIG. 2 is the same as FIG. 1 with said delay mechanism in a released position.

In FIG. 1 are shown constructional details of a delayed action noise producing toy which is adapted to fire a percussion cap a delayed period of time after said toy has been set or cocked. The time delay toy consists of a housing **12** having side walls **14** and **16** held together by and end wall **18** and a bottom **20**. A shelf **22** projects obliquely from the side wall **14** and is adapted to receive and position a percussion cap C in the path of striker or hammer **26** which is secured to the end of a cantilever mounted spring **24**. The notation **22''** refers to a projecting lip at the bottom of **22** which overhangs the surface **22'** and acts as a step or shelf on which the lower edge of the cap C may rest and be positioned relative the hammer **26**. The other end of spring **24** is held against the side wall **16** near the bottom of the housing by a fastener F or other means.

The hammer **26** consists of a striker head **27** and a handle **28** projecting rearward of **27** and preferably normally protruding from the housing **12** so that it may be gripped between the thumb and forefinger of the hand and pulled rearward to the position illustrated in FIG. 1. A suction cup **30** is secured to the rear of the hammer head **27** and is adapted to engage the inside surface **16'** of the wall **16** of the housing **12** when the handle **28** is pulled

2

and urged into the position illustrated in FIG. 1. The spring **24** is biased to normally urge the hammer **26** with the face **27'** of head **27** positioned flat against the surface **22'** of **22**. Thus said spring **24** acts to remove the suction cup from the cocked position whereby it engages the surface **16'** and to suddenly urge said hammer to strike the surface **22'** upon release from said surface. FIG. 2 shows the hammer **26** after said release which has caused cap C to explode by percussion means.

The device of FIG. 1 may be utilized as an amusement, noise producing device per se or as a device for creating a noise in a variety of toys and games. The housing may be subject to a variety of shape variations without departing from the spirit of the invention as may the spring which may be a rod, wire or coil spring. The housing, for example, may be shaped to simulate a bomb, firecracker, or other mock toy which simulates a device which makes the noise.

As an alternate form of the invention it is noted that a gong, bell or the like may be secured to the shelf portion **22** of the housing **12** in the path of the hammer **26** to create a ringing noise upon release of the latter from its cocked position when it strikes said bell.

I claim:

A delayed action noise-making device comprising in combination an open ended enclosure having a base member and at least three side walls extending upwardly from said base member so as to form said open ended enclosure, a striker surface on one of said side walls adjacent an opening in said enclosure, a spring biased hammer means located on one of said side walls at a spaced distance from said striker surface so that said hammer means is normally held against said striker surface by means of said biasing spring, delayed action release means mounted on said spring biased hammer means for maintaining said hammer means in a cocked position against one of said enclosing walls for a delayed period of time after being placed in said cocked position, said delayed action release means thereafter releasing said hammer means from said cocked position to cause the hammer means to strike said striker surface, a handle extension on said hammer means, said handle extension being readily accessible to the human hand and adaptable to being grasped so that the hammer means can be urged off said striker surface and into said cocked position, and a slotted opening in one of said enclosing walls through which said handle means extends exteriorly of said container at all times.

References Cited in the file of this patent

UNITED STATES PATENTS

265,616	Lyon et al.	Oct. 10, 1882
551,519	Wood	Dec. 17, 1895
692,693	Morgan	Feb. 4, 1902
730,182	Wenzel	June 2, 1903
1,041,095	Kellogg	Oct. 15, 1912
1,243,380	Berger	Oct. 16, 1917
2,181,113	Adams	Nov. 28, 1939
2,297,759	Fornas	Oct. 6, 1942
2,320,560	Braddock	June 1, 1943
2,664,077	Moore	Dec. 29, 1953