

F. H. OLTHOFF.
TOY PISTOL.
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1,155,320.

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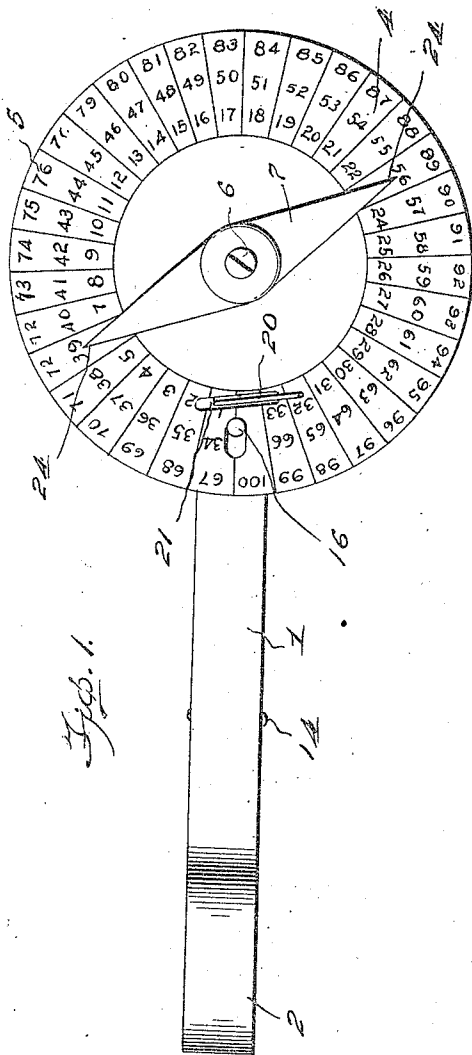


Fig. 1.

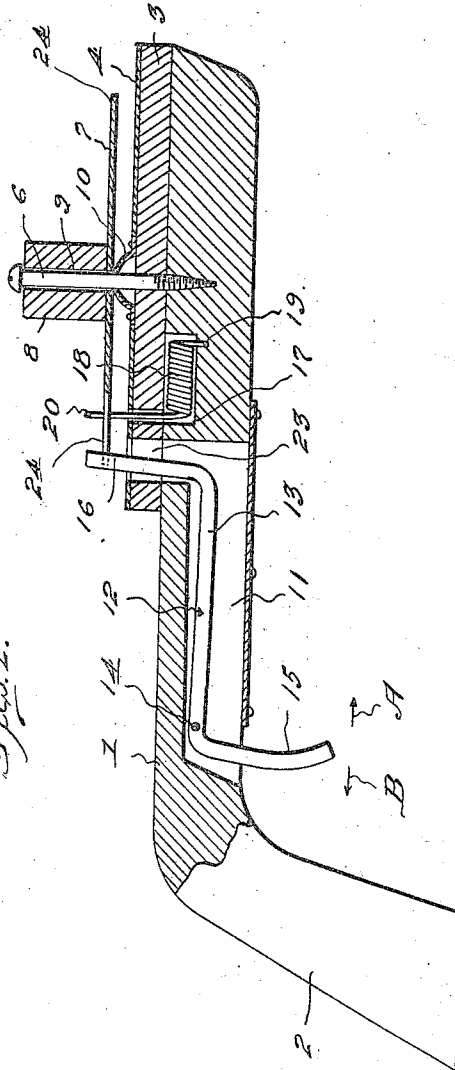


Fig. 2.

Witnesses

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TOY PISTOL.

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To all whom it may concern:

Be it known that I, FRANK H. OLTHOFF, a citizen of the United States of America, residing at Kent, in the county of Stephenson and State of Illinois, have invented certain new and useful Improvements in Toy Pistols; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to toy pistols, and the primary object of the invention is to provide a toy pistol which embodies a rotary indicating hand and a dial which has a plurality of numerals or different characters spaced in circles about the upper surface of the dial, and to provide means for automatically rotating the indicating hand upon the pulling of a trigger.

Another object of this invention is to provide a toy pistol which has educating and amusing proclivities.

With the foregoing and other objects in view this invention consists in such novel features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings and claimed.

In describing the invention in detail reference will be had to the accompanying drawings wherein like characters designate like or corresponding parts throughout the several views, and in which:—

Figure 1 is a top plan view of the improved toy pistol, and Fig. 2 is a longitudinal sectional view through the pistol.

Referring more particularly to the drawings, 1 designates the stock of the pistol which has a handle 2 secured to one end thereof and a disk 3 secured to the other end, upon the upper surface of which disk is mounted a dial 4. The dial 4 has its upper surface divided into segments, within which segments are positioned a plurality of indicating characters indicated at 5, which may be numbers or any other desired characters. The stock 1 of the pistol has a pin 6 secured thereto, which pin extends upwardly through the central axis of the disk 3 and the dial 4, and has an indicating hand 7 rotatably mounted upon the section thereof which extends above the dial 4. The hand 7 has a collar 8 secured to the upper surface thereof, which collar is provided with a bore 9 which receives the pin 6. A bracket 10 is

secured to the upper surface of the dial 4 and engages the under surface of the hand 7 for positioning the hand above the dial.

The stock 1 of the pistol body is provided with a recess 11 formed therein, in which recess is positioned a trigger mechanism 12. The trigger mechanism 12 comprises a rod 13 which is pivotally connected to the stock 1, as at 14, has a finger engaging trigger 15 extending downwardly therefrom and outwardly through the under surface of the stock 1. The inner end of the rod 13 is bent upwardly, as is indicated at 16, and extends outwardly through the disk 3 of the dial 4, when the pistol is in a loaded position. The stock 1 is further provided with a second cut-out portion or recess 17 formed therein, in which is positioned a spiral spring 18. The spiral spring 18 has one end secured to the stock 1, as is shown at 19, and the other end extending upwardly through the disk 3 and the dial 4 and positioned in the path of the indicating hand 7, and under tension. The upper end 20 of the spiral spring 18 extends upwardly through the slot 21 which is formed in the dial 4.

In the operation of the improved toy pistol: When it is desired to discharge the pistol, the end 20 of the spring 18 is forced upwardly so that it will engage the edge of one end of the indicating hand, after which the trigger 15 is moved forwardly in the direction indicated by the arrow A in Fig. 2 of the drawings, which forces the end 16 of the trigger rod 13 upwardly and into engagement with the edge of one end of the indicating hand 7 upon the opposite side from the edge engaged by the end 20 of the spiral spring 18. This holds the end 20 of the spring under tension, and also the indicating hand 7 under tension, so that when the trigger 15 is moved in the direction indicated by the arrow B, or pulled, and the end 16 is moved downwardly within the recesses 23 which are formed in the disk 3 and dial 4, the end 20 of the spring will be released from restraint, and will spring outwardly, forcing the indicating hand 7 to rotate about the pin 6. When the force of rotation of the indicating hand 7 is spent, the indicating point 24 thereof will stop in one of the various sections into which the dial 4 is divided, and indicate the position of the characters which are formed upon the section indicated by the point 24, whereby a child may be educated, and learn the numbers and

characters in an amusing way, by being taught to pronounce various characters which are indicated by the point 24.

In reducing the invention to practice, certain minor features of construction, combination and arrangement of parts may necessitate alteration, to which the patentee is entitled provided such alterations are comprehended within the scope of what is claimed.

What is claimed is:—

1. In a toy pistol, a stock, a handle formed upon one end of said stock, a dial carried by the end of said stock remote from said handle, an indicating hand rotatably mounted upon said dial, a spiral spring carried by said stock and having one end extending upwardly through said dial for engagement with said indicating hand, means engaging said indicating hand for arresting movement thereof and holding said spring under tension,

and means for releasing said restraining means.

2. In a toy pistol, a stock, a handle formed upon one end of said stock, a dial carried by the end of said stock remote from said handle, an indicating hand rotatably mounted upon said dial, a spiral spring carried by said stock and having one end extending upwardly through said dial for engagement with said indicating hand, a trigger rod pivotally carried by said stock and having one end extending upwardly through said dial for engagement with said indicating hand for holding said spring under tension and arresting movement of said indicating hand.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK H. OLTHOFF.

Witnesses:

JOHN C. DUNN,

J. H. HINDS.