April 14, 1925. 1,533,332

W. C. NORRIS

SAFETY COIN RECEPTACLE

Filed Dec. 10, 1923

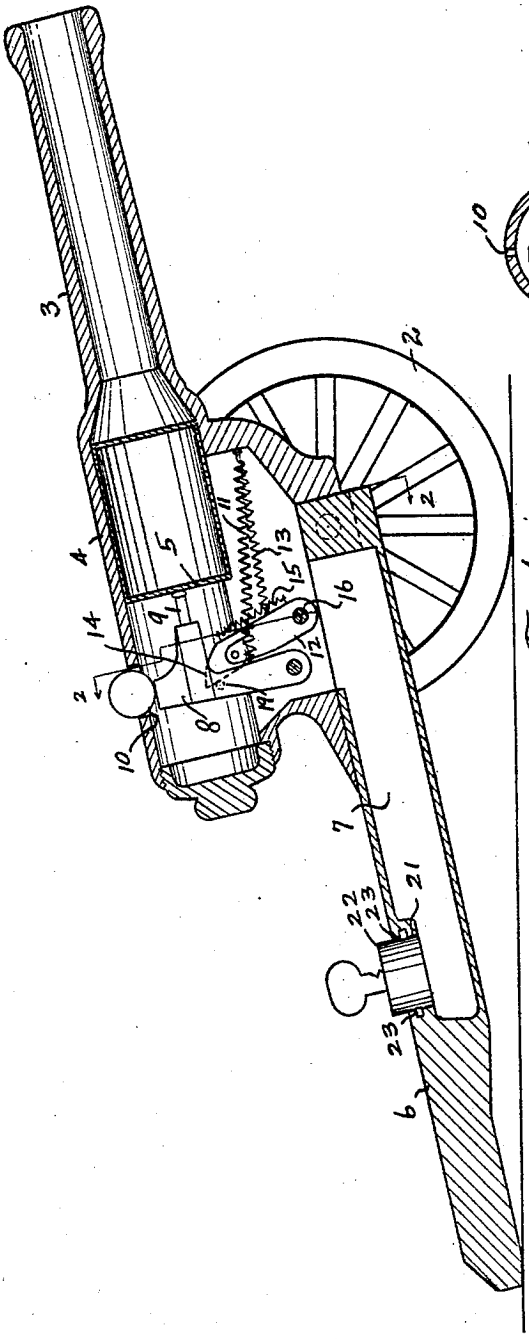

Fig. 1.

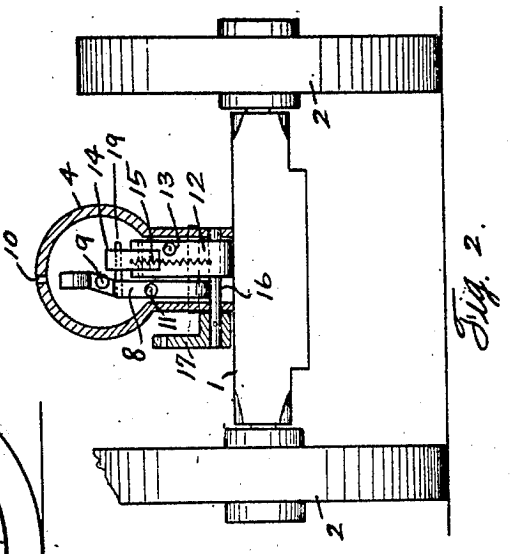

Fig. 2.

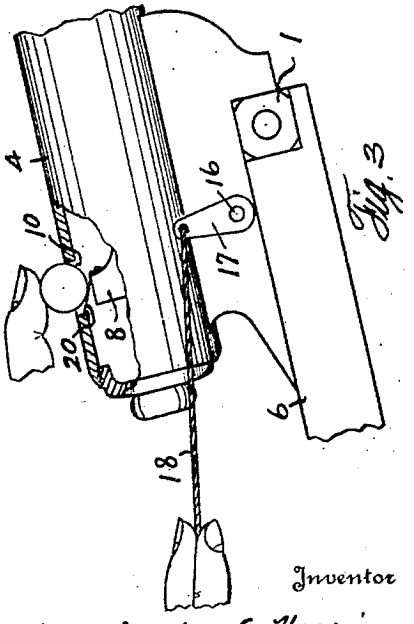

Fig. 3.

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UNITED STATES PATENT OFFICE.

WALTER C. NORRIS, OF PORT ARTHUR, TEXAS.

SAFETY COIN RECEPTACLE.

Application filed December 10, 1923. Serial No. 679,761.

To all whom it may concern:

Be it known that I, WALTER C. NORRIS, a citizen of the United States, residing at Port Arthur, in the county of Jefferson and State of Texas, have invented certain new and useful Improvements in a Safety Coin Receptacle, of which the following is a specification.

This invention relates to new and useful improvements in a safety coin receptacle.

One object of the invention is to provide a savings bank or coin receptacle, constructed in the form of a toy cannon, and designed to receive coins and which also embodies a mechanism which will cause a noise, in imitation of the firing of a gun, when operated to admit a coin into the receptacle. The device combines a toy cannon or other form of gun, with a safety coin receptacle, or savings bank.

Another object of the invention is to provide a device of the character described which is normally locked against operation, but may be released, to permit the operation thereof, by the coin inserted in the coin receiving slot.

With the above and other objects in view, this invention has particular relation to certain novel features of construction, operation, and arrangement of parts, an example of which is given in this specification and illustrated in the accompanying drawings, wherein:—

Figure 1 shows a longitudinal sectional view of the device.

Figure 2 shows a cross sectional view taken on the line 2—2 of Figure 1; and,

Figure 3 shows a fragmentary side view of a modified form thereof, partly in section.

Referring now more particularly to the drawings, wherein like numerals of reference designate similar parts in each of the figures, the numeral 1 designates the axle which is supported by the wheels 2, 2. Mounted on the axle there is the tubular barrel 3 whose breech 4 is enlarged, and within the breech there is a metallic drum 5. The breech is enlarged downwardly and has a rearward extension 6, formed hollow to provide a coin receptacle 7. Within the breech, and located behind the drum 5, there is a pivoted hammer 8 with a forwardly extended metallic striker 9 adapted to strike against the drum head. This hammer normally is aligned under the coin slot 10 cut through the upper side of the breech. A pull spring 11 is connected at one end to the front edge of the hammer, and at its other end is anchored to the front part of the breech, as shown in Figure 1.

There is a pivotally mounted lever 12, arranged in front of the hammer, and held in inactive position by a pull spring 13, which is attached at one end thereto, and whose other end is anchored to the front part of the breech. The upper end of this lever carries a trigger 14. This trigger is pivoted to the lever by a one way hinge connection, and is held in active position by means of a pull spring 15 which is attached at its respective ends to the lever 12, and the trigger respectively.

The trigger 12 has its lower end fixed to the transverse shaft 16 which has bearings in the breech and one end of which is extended and has the arm 17 fixed thereto. A pull cord 18 is attached to the arm 17 by means of which it may be actuated. In order to insert a coin, the cord 18 is first pulled to actuate the lever 12 rearwardly, and the free end of the trigger will engage against a lateral stud 19, carried by the hammer, and will retract the hammer, so that its upper end will clear the slot 10, and permit the coin to drop through said slot, into the coin receptacle 7. When the upper end of the trigger passes said stud the hammer will be driven forwardly, by the spring 11, and the striker 9 will strike against the drum head causing a sudden noise in imitation of the firing of a gun. When the cord 18 is released, the spring 13 will restore the lever 12 to forward position and the upper beveled end of the trigger will pass the stud 19, said trigger yielding on its hinge to permit this, and said trigger thereafter will be carried into engaging position by the influence of the spring 15.

In the form shown in Figure 3 the hammer carries a flat spring 20 whose free end engages against the rear end of the slot 10 to lock the mechanism against operation until the spring 20 is depressed and released by the coin inserted in said slot.

The coin receptacle 7 is provided with an opening 21 through which said receptacle may be emptied. This opening is normally closed by an inserted lock 22 which is secured in place by the usual plungers 23.

This lock may be released by means of the usual key 24, and withdrawn.

What I claim is:

1. A device of the character described including a coin receptacle having a coin receiving slot, a vibratory member, a hammer normally aligned with said slot and blocking the same, means for retracting said hammer, out of alignment with said slot, and then releasing the same, and means operating to strike said hammer against said vibratory member when the hammer is released.

2. A device of the character described including a coin receptacle having a coin receiving slot, a metallic diaphragm, a pivoted hammer, a yieldable member normally holding the hammer against said diaphragm, and in position to block said slot, a mechanism adapted to retract said hammer, to clear the slot, and then release the hammer, permitting the same to strike said diaphragm.

3. A device of the character described including a coin receptacle having a coin receiving slot, a drum whose head forms a diaphragm, a hammerlike striker arranged to strike said diaphragm, said striker in normal position blocking said slot, means for retracting said hammer to clear said slot, said means being adapted to then release the hammer, and a yieldable member adapted to actuate the hammer, when so released, into contact with said diaphragm.

4. A device of the character described including a coin receptacle, a tubular barrel, having a breech adjacent the receptacle, and provided with a coin slot, a diaphragm in said breech, a striker normally blocking said slot, means for retracting said striker to clear said slot, and means connected to the striker and normally tending to drive said striker against said diaphragm.

5. A device of the character described including a coin receptacle, a tubular barrel having a breech adjacent said receptacle provided with a coin slot leading into said receptacle, a diaphragm in said breach, a hammer-like striker normally blocking said slot, means normally locking said striker against movement, said means being arranged to be released by the coin inserted in said slot, means for retracting the striker, to clear said slot, means connected to the striker and adapted to actuate the same, when retracted, against said diaphragm.

6. In combination a coin receptacle, a barrel having a breech provided with a slot through which a coin may be inserted into said receptacle, a diaphragm in said barrel, a hammer in said breach, normally blocking said slot and provided to strike said diaphragm, manually operated mechanism normally in engagement with the hammer, and provided to retract the hammer clear of said slot, said mechanism automatically releasing said hammer when the latter is retracted, means causing said hammer, when released, to strike said diaphragm, and means adapted to restore said mechanism into original engaging position with said hammer.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WALTER C. NORRIS.

Witnesses:
GEO. G. WOODWORY,
A. R. BANES.