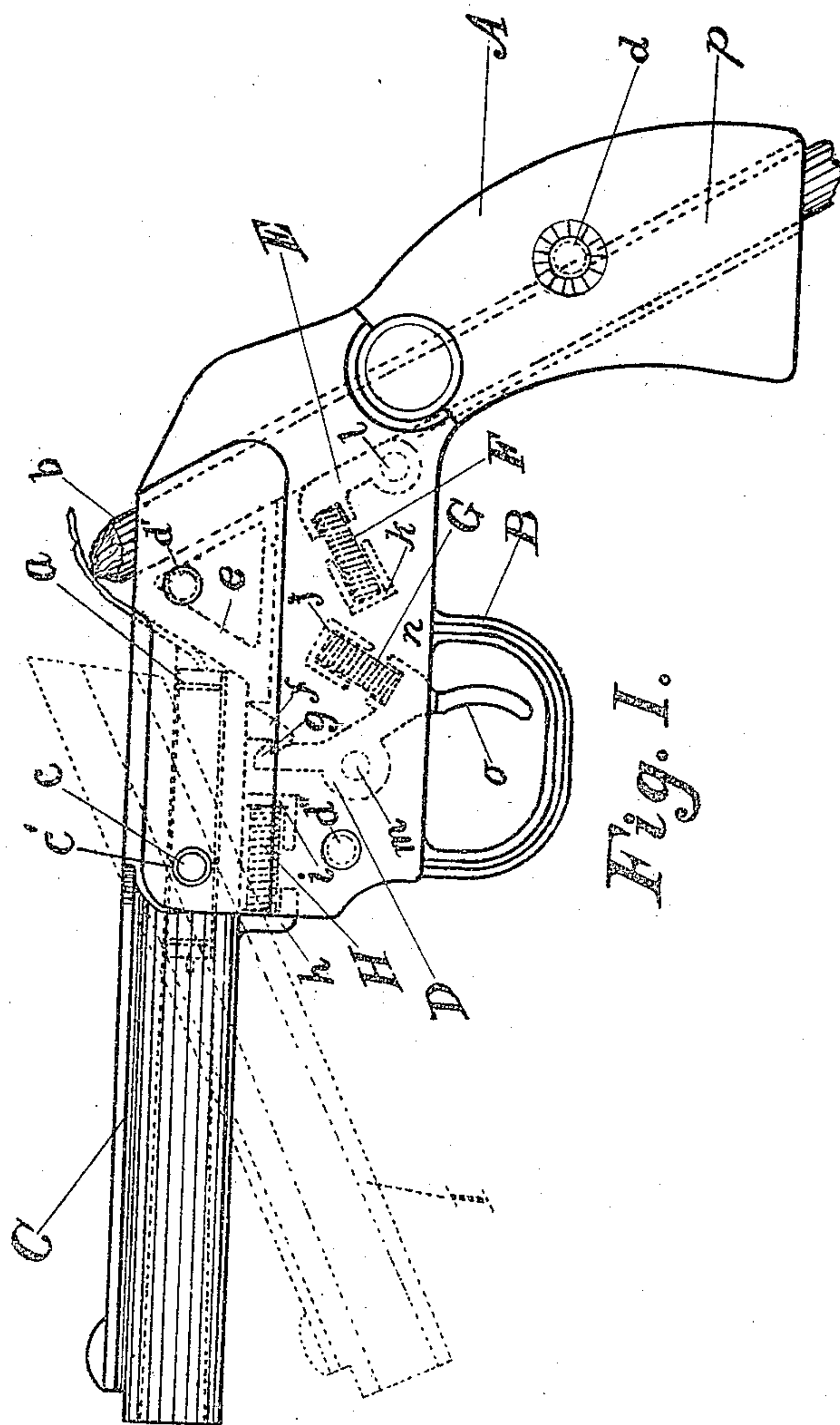


No. 780,499.

PATENTED JAN. 24, 1905.

G. W. HANSON.
FIRE CRACKER PISTOL.
APPLICATION FILED FEB. 9, 1903.

2 SHEETS—SHEET 1.



WITNESSES:

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INVENTOR.

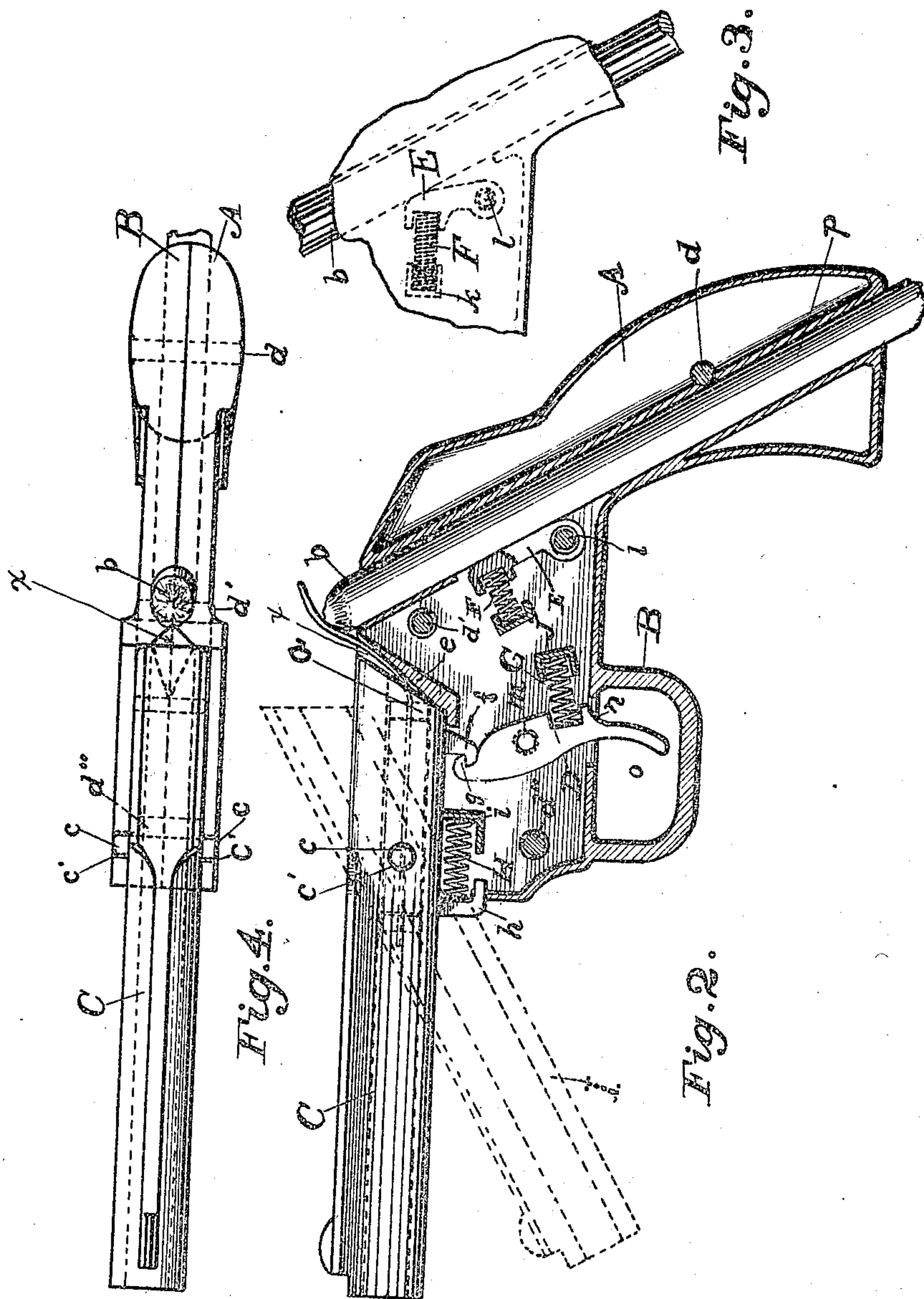
BY *Gustaf William Hanson*
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2 SHEETS—SHEET 2.



Witnesses

G. E. Hanson
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UNITED STATES PATENT OFFICE.

GUSTAF WILLIAM HANSON, OF WICHITA, KANSAS.

FIRE-CRACKER PISTOL.

SPECIFICATION forming part of Letters Patent No. 780,499, dated January 24, 1905.

Application filed February 9, 1903. Serial No. 142,680.

To all whom it may concern:

Be it known that I, GUSTAF WILLIAM HANSON, a citizen of the United States, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented a new and useful Fire-Cracker Pistol and Punk-Holder, of which the following is a specification.

My invention relates to that class of fire-cracker pistols or holders in which the fire-cracker is placed in the barrel of the pistol or holder at the breech end, the fuse extending through an opening in the breech to be there ignited.

The object of my invention is to produce a fire-cracker pistol or holder of the kind specified in which a stick of slow-burning material is held in the frame of the pistol or holder and the fuse of the fire-cracker is brought into contact with the ignited end of said slow-burning material by the closing of the breech.

The invention consists in certain details of construction and combinations of elements, substantially as hereinafter claimed.

Figure 1 is a side elevation of the improved fire-cracker holder, internal mechanism being indicated in dotted lines. Fig. 2 is a partial section and partial elevation of the device. Fig. 3 is an enlarged detail of part of the pistol, showing the holding-dog and spring enlarged. Fig. 4 is a top plan of the pistol, indicating in dotted lines the form of butt-stock.

Reference-letter A indicates one section or part of the frame or stock, and B the other part. The parts A and B are of metal, cast or struck up, and each part is provided with holes for the connecting-rivets and seats for operating parts and also for the trunnions on which the barrel turns. The barrel C is of metal, and its bore preferably tapers or decreases in size from the muzzle backward, leaving the chamber for the fire-cracker in the rear end of the barrel of a size to neatly contain the fire-cracker with the fuse projecting from the rear of the barrel. The frame or stock sections A B have holes c' , in which the barrel-trunnions c find bearings when the parts are assembled. Rivets or holding-bosses d d' d'' extend from one frame-section and pass through holes in the other handle or frame section, thus holding the parts together. The

barrel rocks on its trunnions and between said sections. A spring H is seated in a suitable recess I in the frame and bears against a projection h , extending downward from the barrel. The effect of this spring is to turn the barrel on its trunnions toward its open position. A projection or hook f , extending downward from the barrel, engages a hook g on the trigger D when the barrel is in closed position. The trigger D is pivoted at m and is pressed forward by a spiral spring G, which is held in suitable sockets j n in the frame and trigger, respectively. The rear end of the barrel is beveled or inclined, and the breech-block or recoil-piece e , immediately in rear of the barrel, is fixed to the frame-sections and correspondingly inclined. The breech may be opened by releasing the hooks f g by a pull on the finger-piece o of the trigger D and bearing down on the front of the barrel. When the breech closes, the hooks f g engage automatically, as is common in hook-catches.

The frame or stock sections are each grooved diagonally, so that when put together there is a cylindrical opening p extending through the frame with its upper end nearly over the breech-block or recoil-piece e . Said recoil-piece is grooved or recessed, as at x , Fig. 4, to permit the fuse of the fire-cracker to lie in said groove x . A piece of punk or other slow-burning material b is placed in the opening p when the toy is in use and is held from backward movement by a dog E, which lies in a recess in the frame and projects slightly into the opening p , being pressed in such direction by the spring F, which spring rests in sockets in the frame and dog. The dog E is pivoted at l , as shown. The spring-holding sockets in the frame are preferably formed by cups or bosses projecting from both handle-sections.

The punk or slow-burning material being pressed up from below, ignited at the top, and fed forward by pressure from below, as desired, is held from backward movement by the pawl E, as will be understood. The breech is opened by a pull on the trigger, which opens the breech by rocking the barrel on its trunnions. A fire-cracker may be then inserted into the rear end of the barrel with the fuse

projecting rearwardly. When the breech is closed, the fuse of the fire-cracker is brought close to the ignited end of the punk, and the fuse should be thus ignited.

5 What I claim is—

1. A fire-cracker holder having a handle or frame provided with bearings, a barrel having trunnions resting in said bearings, a spring having its support in the frame and bearing
10 against the barrel to close the breech, a hook on the barrel, and a hooked trigger pivoted in the frame in position to engage said barrel-hook, all combined.

2. A fire-cracker pistol having a pivoted bar-
15 rel, means for opening and closing the barrel, a fixed breech-piece having a groove therein in rear of the barrel, and a stock with an opening for punk extending to the rear of the breech-piece, all combined.

3. In a fire-cracker pistol, the stock having 20 an opening extending in substantially vertical direction through the same, and a spring-pressed dog within the stock and projecting slightly into said opening.

4. In a fire-cracker holder, the frame com- 25 posed of two sections divided vertically and having trunnion-bearings in each section, a barrel pivoted between the sections, a breech-piece fixed to the frame-sections in rear of the barrel, said sections having a substantially ver- 30 tical opening in rear of said breech-piece to receive the igniter, and means for holding the frame-sections together.

GUSTAF WILLIAM HANSON.

Witnesses:

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