

G. A. REYNOLDS & H. E. BENNETT.

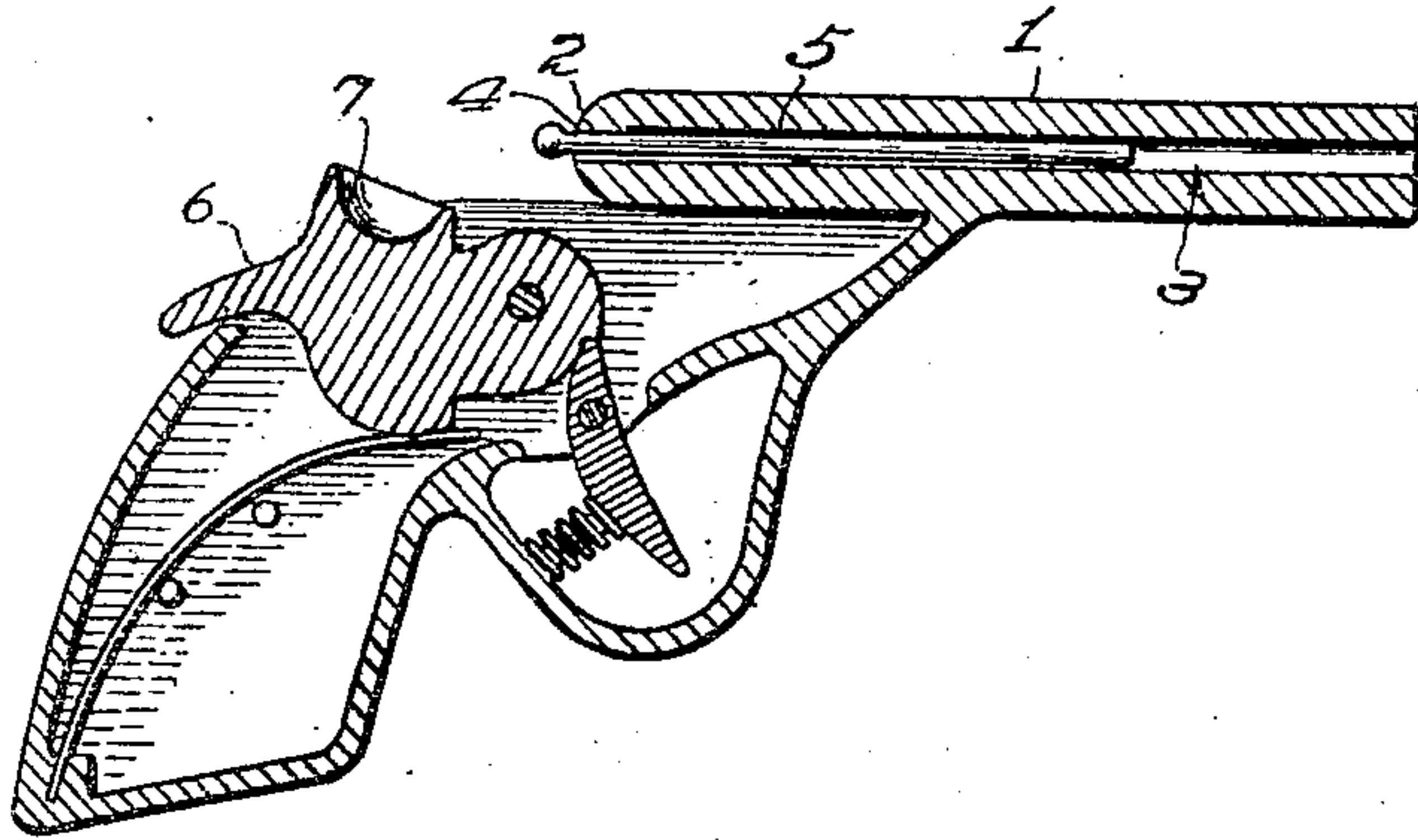
MATCH SHOOTING TOY PISTOL.

APPLICATION FILED JULY 8, 1908.

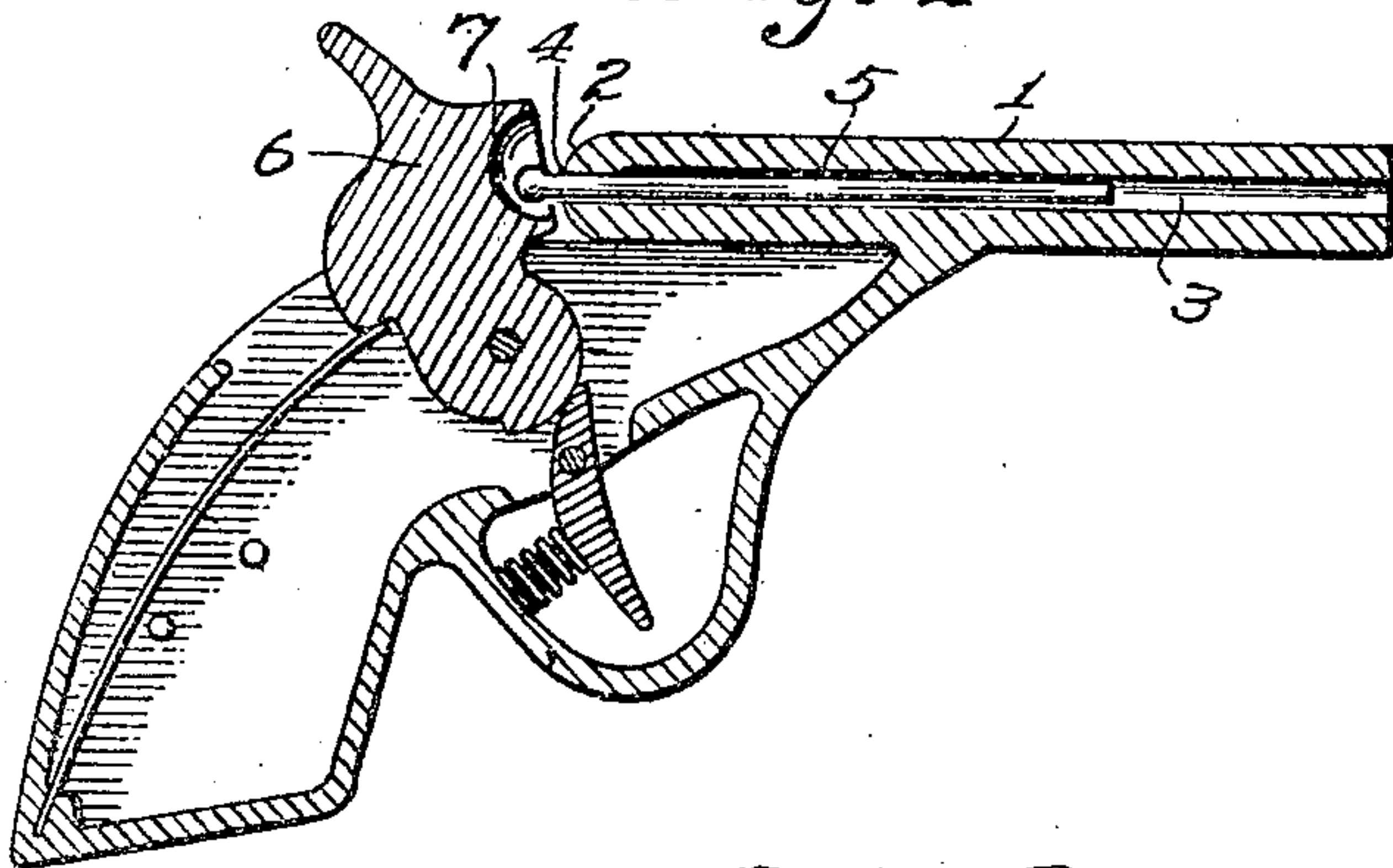
924,936.

Patented June 15, 1909.

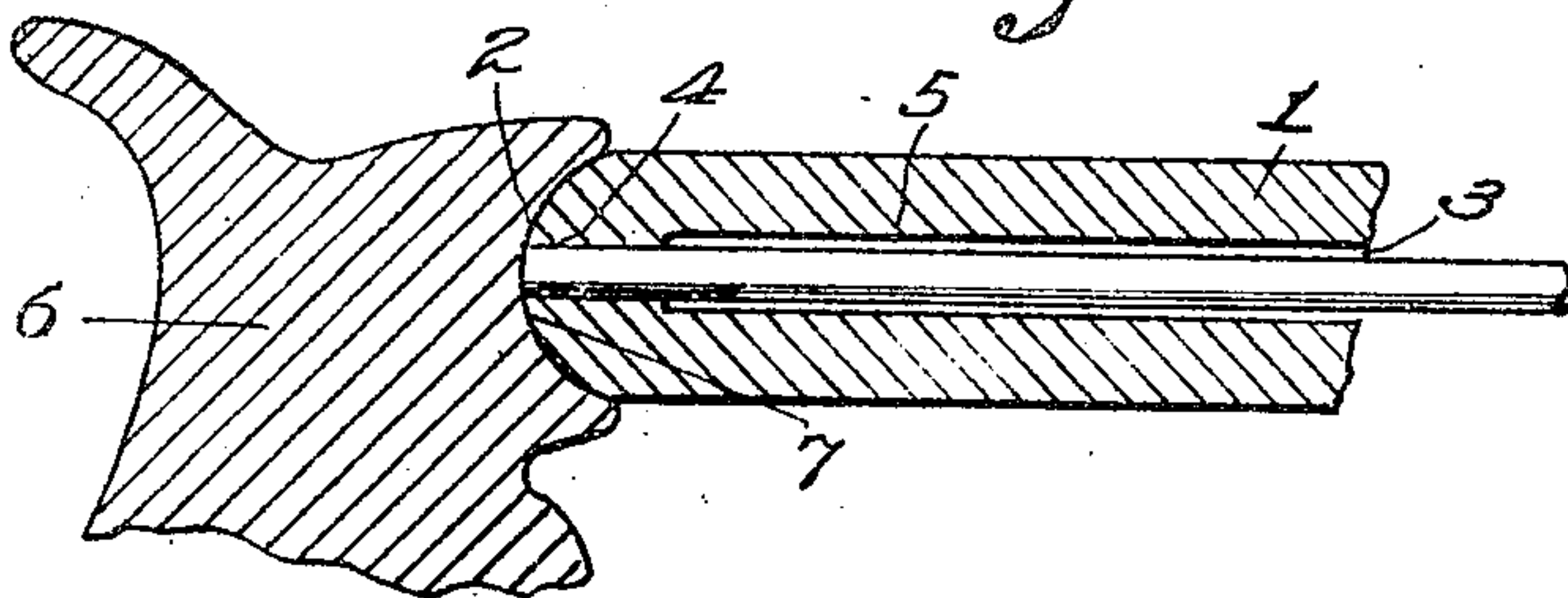
*Fig. 1*



*Fig. 2*



*Fig. 3*



*Witnesses:*

*C. C. Holly*  
*Julia Townsend*

*Inventors:*

*George Albert Reynolds*  
*Harper Eugene Bennett*

*By James R. Townsend*  
*Their atty*



# UNITED STATES PATENT OFFICE.

GEORGE ALBERT REYNOLDS, OF HUNTINGTON BEACH, AND HARPER EUGENE BENNETT,  
OF LOS ANGELES, CALIFORNIA.

## MATCH-SHOOTING TOY PISTOL.

No. 924,936.

Specification of Letters Patent.

Patented June 15, 1909.

Application filed July 8, 1908. Serial No. 442,590.

*To all whom it may concern:*

Be it known that we, GEORGE ALBERT REYNOLDS and HARPER EUGENE BENNETT, both citizens of the United States, the former residing at Huntington Beach, in the county of Orange, and the latter residing at Los Angeles, in the county of Los Angeles, State of California, have invented a new and useful Match-Shooting Toy Pistol, of which the following is a specification.

The object of this invention is to provide a practical match-shooting pistol.

Another object of the invention is to so construct the pistol that a match may be inserted and fired therein with the greatest ease, facility and expedition, and without the manipulation of any firing-pin, and without the liability of losing any of the parts.

Other objects are cheapness, simplicity and safety against fire.

The accompanying drawing illustrates the invention. The views are axial sections.

Figure 1 is a view of the pistol cocked and loaded. Fig. 2 shows the pistol with the hammer released and about to fire the match. Fig. 3 shows fragments of the barrel and hammer in the act of firing the match.

1 designates the barrel of the pistol provided with a convex breech end 2, and also provided from end to end with a bore 3, which for a space of about  $\frac{1}{4}$  of an inch at the breech is of approximately the diameter of the match to be shot therein, and is enlarged forwardly of such quarter-inch space, thus providing at the breech a contracted seat 4 to hold the match, and an enlarged way 5 in front of the seat so that when the hammer 6 strikes the match the same will cause the head of the match to explode, and will also at the same time drive the match forward, and the momentum of the match and the force of the explosion will eject the match from the barrel.

The hammer 6 is provided with a concave face 7 to inclose the convex breech 2, thus preventing the explosion from throwing fire laterally and also adding to and giving direction to the force of an explosion to drive the match out of the barrel.

The bore 3 is unobstructed throughout from breech to muzzle and is adapted to contain a match, and the ring-like match-seat 4 is adapted to closely fit the match and hold it centrally inside of the bore out of contact with the walls thereof throughout the greater

extent of the match-body. The purpose of this is to so hold the match that the slight explosive force of the fulminating head thereof in addition to the force of the blow of the hammer will be sufficient to eject the body of the match from the barrel with considerable force; the annular seat 4 serving to apply the force of the expanding gases to the end of the match for a limited time until the match has received the requisite impetus, after which the match-body is practically free to be ejected from the barrel.

In practical use the match should be inserted into the breech, leaving the head of the match slightly withdrawn, or only loosely against the breech. Then when the trigger is drawn and the hammer allowed to fall, the explosion occurs and the stem of the match will be driven from the barrel. In case of any failure of the match-stem to be ejected from the barrel, the next match when inserted will push the first match forward. The length of the barrel is preferably such that the match thus pushed forward will be nearly ejected by the second match. Then when the pistol is again fired, both matches may be ejected by the same explosion. The hammer is arranged to be retracted below the line of the bore when the hammer is cocked so that the match may be freely inserted over the hammer and without any interference therewith.

By the construction shown the annular seat or ring 4 at the breech forms an anvil against which the fulminating material at the head of the match will be crushed by the hammer without the intervention of any firing-pin. The residue of the match-heads may be easily removed from time to time since the same is deposited outside the barrel. The annular seat prevents the escape with the match-stem of any dangerous fire-brands that otherwise might accompany the match-stem in its flight.

We claim,

1. A match-shooting pistol having a bore adapted to contain a match and provided at the breech with a short annular seat to support the match in such bore by the portion of the match near the head thereof, said bore being enlarged forwardly from said seat to allow the match to discharge freely from the barrel.

2. A match-shooting pistol provided with a convex breech and a bore which at the

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breech forms a seat approximately equal in diameter to a match stem and enlarged forwardly of the seat to allow free ejection; said pistol being also provided with a hammer  
5 with a concave face to fit the convex breech.

3. A match-shooting pistol provided at its breech with a ring-like seat to hold the match near the head thereof and provided with a hammer that is capable of being re-  
10 tracted out of line of the bore of the pistol when the hammer is cocked so as to allow the ready insertion of a match into the bore; the breech of said pistol being adapted to form an anvil upon which the hammer will crush  
15 the head of the match to cause an explosion of the fulminating material thereof outside of the barrel.

4. A match-shooting pistol having a con-

cave hammer and a convex breech, the latter being adapted to form an anvil on which the  
20 head of the match may be crushed by the hammer.

5. In a match-shooting pistol, a barrel having a breech adapted to form an anvil on which the head of the match may be crushed  
25 by the hammer of the pistol, and a hammer adapted to be withdrawn from the line of the bore of the pistol when the hammer is cocked.

In testimony whereof, we have hereunto set our hands at Los Angeles, California, this  
30 23d day of June, 1908.

GEORGE ALBERT REYNOLDS.

HARPER EUGENE BENNETT.

In presence of—

JAMES R. TOWNSEND,

L. H. NOLTE.