(No Model.)

A. WILLIS.

FIRE CRACKER HOLDER.

No. 385,032. Patented June 26, 1888.

FIG. 1.

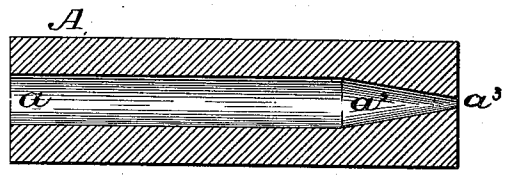


FIG. 2.

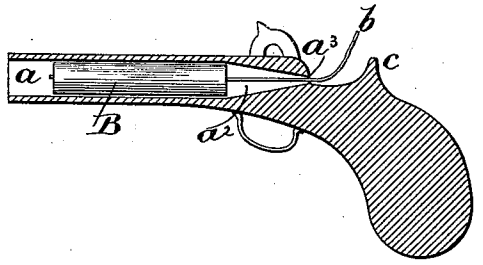


FIG. 3.

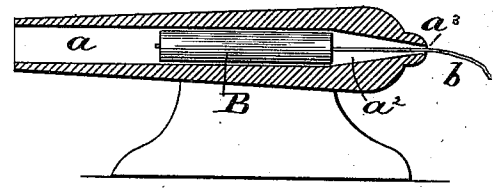


FIG. 4.

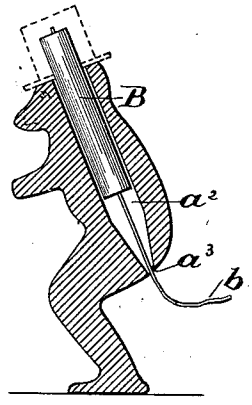


FIG. 5.

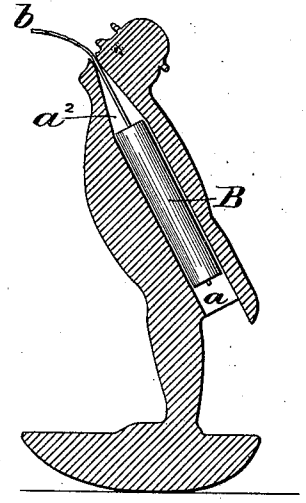
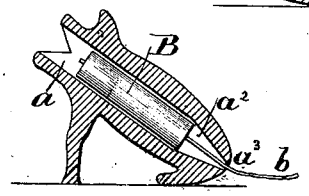


FIG. 6.



ATTEST -

Harry L. Amer.

I. J. Masson.

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by E. E. Masson.

atty.

UNITED STATES PATENT OFFICE.

AMBROSE WILLIS, OF TROY, NEW YORK, ASSIGNOR OF ONE-HALF TO THEODORE D. ROBINSON, OF SAME PLACE.

FIRE-CRACKER HOLDER.

SPECIFICATION forming part of Letters Patent No. 385,032, dated June 26, 1888.

Application filed April 19, 1888. Serial No. 271,159. (No model.)

To all whom it may concern:

Be it known that I, AMBROSE WILLIS, a citizen of the United States of America, residing at Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Fire-Cracker Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improvements in fire-cracker holders in which the shell of the cracker is expelled by its explosion; and the objects of my improvement are to furnish a simple and inexpensive holder in which a fire-cracker can be easily inserted and its fuse unerringly directed to the touch-hole, and in which the recoil of the gases against the conical rear of said holder will expel the shell of the cracker. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal section of a cracker-holder constructed in accordance with my invention. Fig. 2 is a longitudinal section of the same applied to a pistol-frame. Fig. 3 represents a longitudinal section of the same in the form of a cannon. Figs. 4, 5, and 6 embody my invention applied respectively to the representation of a monkey, a man smoking a cigarette, and a pig or other animal.

In said drawings, A represents the fire-cracker holder in the form of a tube having a substantially cylindrical bore, *a*, of slightly larger diameter than a fire cracker, and a conical hollow breech, a^2, in continuation of the axis of the bore *a*, and at the rear end of said breech is the touch-hole a^3, slightly larger than the diameter of the fuse *b* of a fire-cracker and adapted to be substantially closed thereby. The parts *a* a^2 a^3 being in a straight line on the axis of the holder permits the insertion of a piece of wire through the touch-hole a^3 to push the cracker B out in case its fuse *b* should become burned but fail to expel the shell. As there is no shoulder or internal projection at the rear end of the cylindrical bore *a* to arrest the end of the fuse, it will be unerringly directed to and through the touch-hole, and when ignited the hot gases will impinge against the conical inner surface of the breech and project the cracker shell from the muzzle of the holder for some distance, but not with sufficient force to harm any one, as a small portion of the gases will escape through the touch-hole.

In Fig. 2 the holder is applied to a pistol-frame that is provided with an upwardly-extending projection or sight, *c*, to deflect upwardly the gases escaping from the rear of the conical breech.

In Fig. 4 the cracker-holder is formed within a body representing a monkey that is provided with a removable hat that can be blown away by the expelled shell.

In Fig. 5 the holder is within a body representing a man, and the fuse of the cracker may be supposed to represent a cigarette, which, when lighted, will cause the cracker to explode and cause the figure to bow a number of times; but the figures represented are simply to show a few of the forms to which the holder can be applied. It can also be inserted in bodies representing fruits, flowers, and vegetables, and be made of wood or of metal, or of other materials.

Having now fully described my invention, I claim—

A fire-cracker holder consisting of a body provided with a cylindrical perforation therein, a conical breech perforation at one end, and a touch-hole axially in the rear of said perforation, the size of said hole being such as to be closed by the fuse of a fire-cracker, substantially as and for the purpose described.

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

AMBROSE WILLIS.

Witnesses:

JAMES FARRELL,

THEODORE D. ROBINSON.