(No Model.)

W. W. HARRIS.

BULLET MOLD.

No. 413,939. Patented Oct. 29, 1889.

Fig. 1.

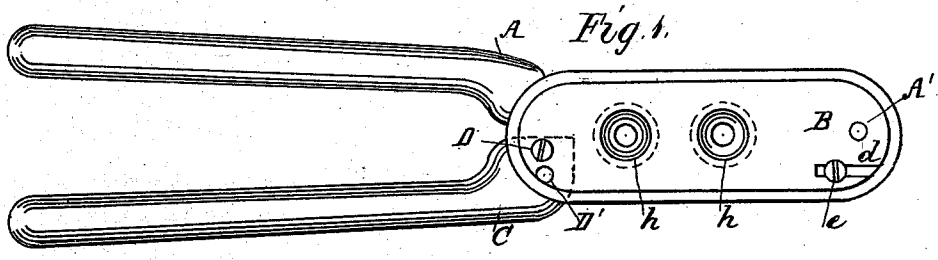


Fig. 2.

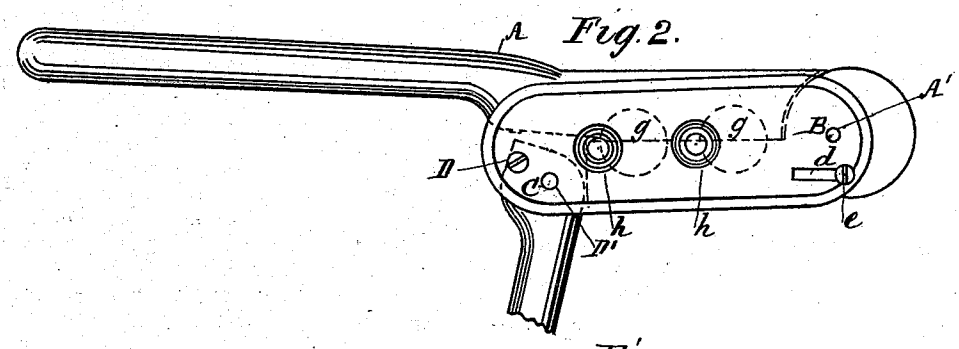


Fig. 3.

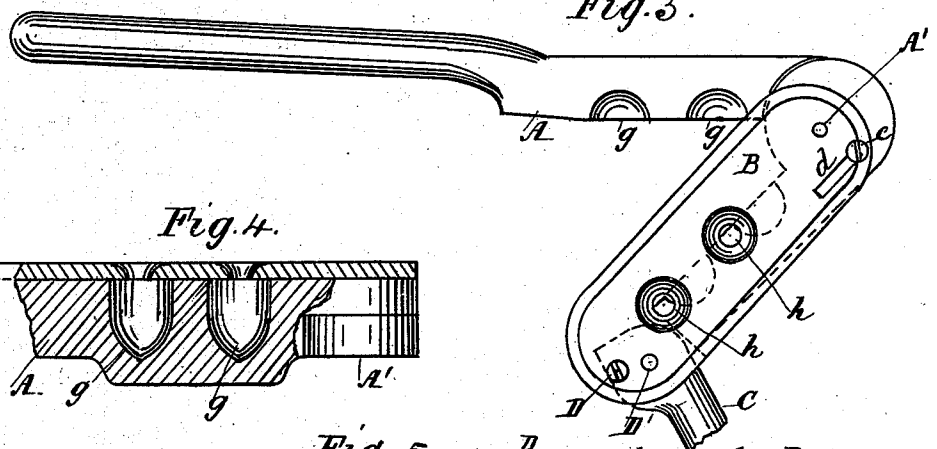
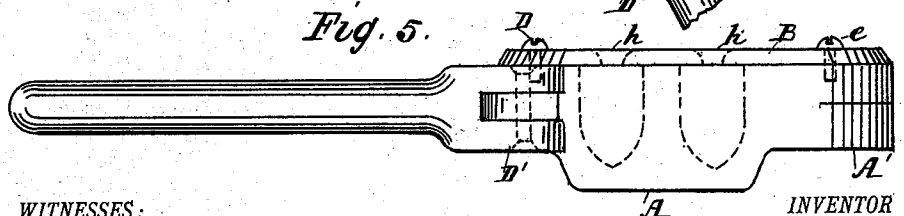


Fig. 4.

Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIE W. HARRIS, OF SIOUX CITY, IOWA.

BULLET-MOLD.

SPECIFICATION forming part of Letters Patent No. 413,939, dated October 29, 1889.

Application filed March 8, 1889. Serial No. 302,583. (No model.)

To all whom it may concern:

Be it known that I, WILLIE W. HARRIS, a citizen of the United States of America, and a resident of Sioux City, in the county of Woodbury and State of Iowa, have invented certain new and useful Improvements in Bullet-Molds, of which the following is a full, clear, and exact specification.

My invention relates to a hand bullet-mold and cutter combined therewith, all of which will be fully described hereinafter.

The invention consists of a hand bullet-mold provided with a cutter, the latter adapted to cut the superfluous lead from the throat of the mold. The construction of this device will be more fully described hereinafter, and pointed out in the claim.

In the drawings, Figure 1 represents a plan view of the device in a closed position ready to receive the melted lead. Fig. 2 is also a plan view; but in this view the cutter is represented as having cut the lead from the bullet when actuated by one of the handles. Fig. 3 represents a similar view, but representing the mold opened for the removal of the molded bullet. Fig. 4 is a part sectional and part elevational view of the device. Fig. 5 is a side elevation of the mold.

Similar letters refer to similar parts throughout the drawings, in which—

A represents one of the handles, the continuation of which forms one half of the mold-bed, which is hinged to the other half H of the mold-bed by the pin A′. To the opposite end of this latter half H is hinged by pin D′ the handle C, to which is secured by the stud D the plate B. The forward end of this plate B is provided with an elongated slot *d*, which engages with the guide-stud *e*, which is secured to the forward portion of the half-mold H, to which the plate B is in close proximity. The plate B is provided with inlet holes or perforations *h*, which serve as the throat of the molds. These holes or perforations are outwardly beveled to readily admit the molten metal, while a cutting-edge is formed at their base directly over the molds *g*.

Modus operandi: The handles of the mold are pressed together by the hand while the metal is poured therein through the inlet holes or perforations *h*, which, of course, serve as the throat of the molds. After the metal has become sufficiently hard the handle *a* is held rigidly by one hand, while the handle C is pressed to one side, carrying with it the plate B, which receives an eccentric movement, whereby the cutting-edges of the throat sever from the bullet all of the superfluous lead contained in the throat of the movable plate, thus accomplishing the result desired.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination, substantially as shown and described, of the bullet-mold made in halves hinged together at one end, the plate B, pivotally secured to the handle C, the latter hinged to one half of the mold, the inlet holes or perforations *h h*, with cutting-edges, made in the said plate B, and the elongated slot *d*, engaging with the guiding-stud *e*, secured to one half of the mold, as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand this 28th day of January, 1889.

WILLIE W. HARRIS.

Witnesses:

ISAAC PENDLETON,

A. J. MILLARD.