No. 705,146. Patented July 22, 1902.

H. RICHTER.

BULLET MOLD.

(Application filed May 26, 1902.)

(No Model.)

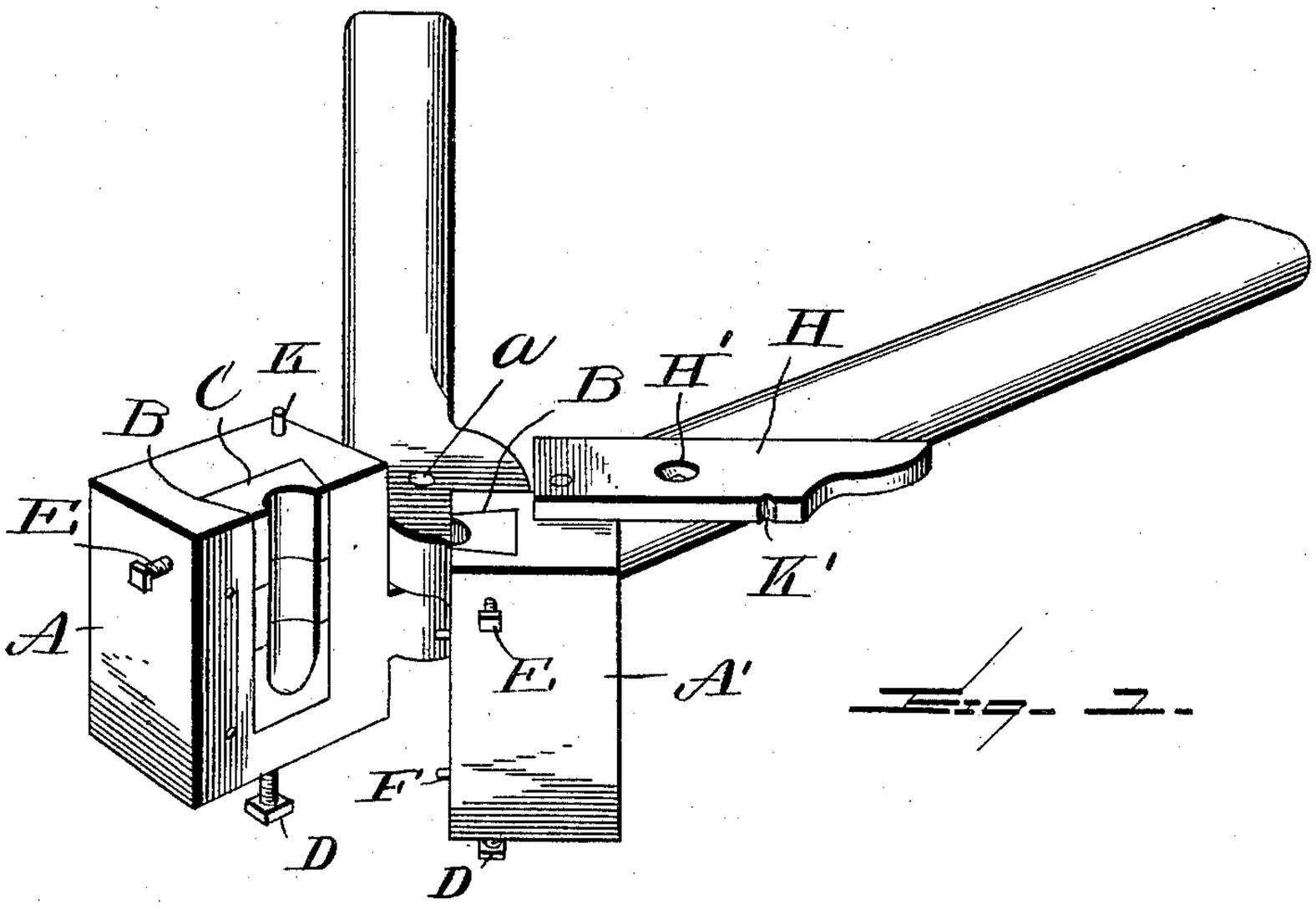

Fig. 1.

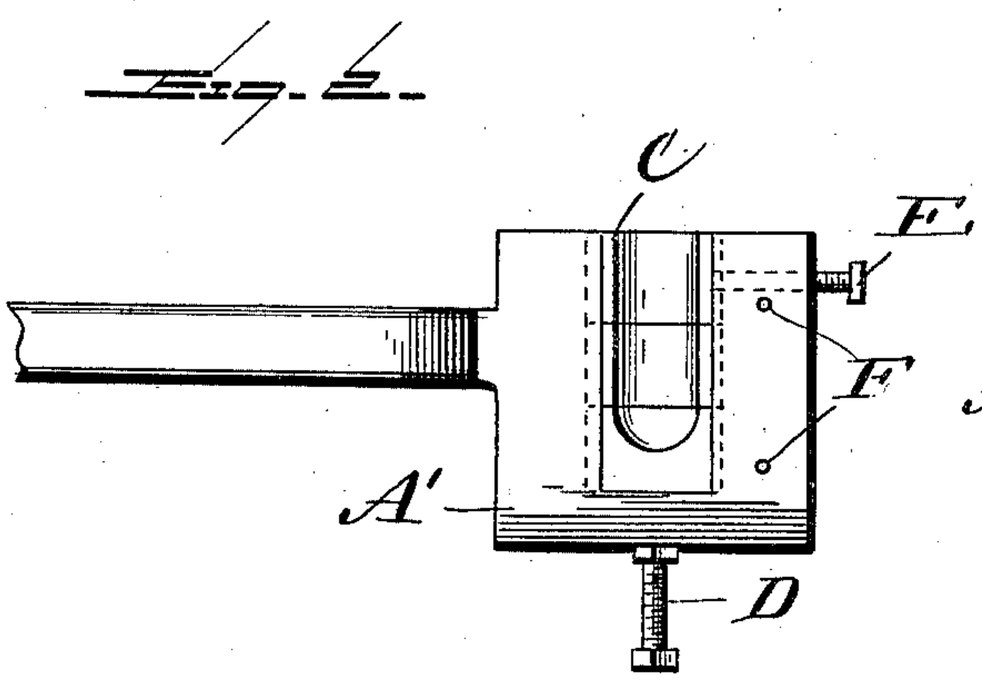

Fig. 2.

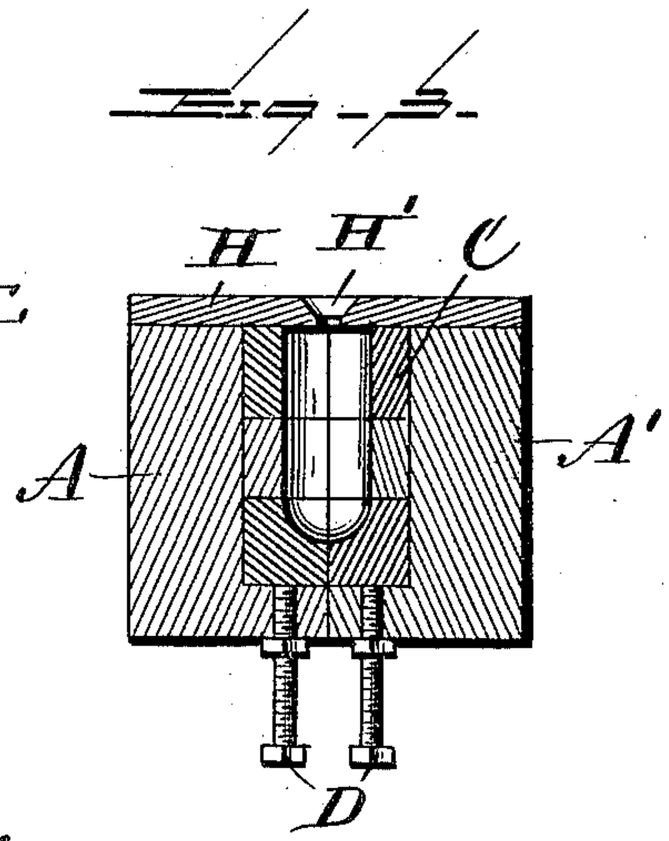

Fig. 3.

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HERMAN RICHTER, OF CULLMAN, ALABAMA.

BULLET-MOLD.

SPECIFICATION forming part of Letters Patent No. 705,146, dated July 22, 1902.

Application filed May 26, 1902. Serial No. 109,035. (No model.)

To all whom it may concern:

Be it known that I, HERMAN RICHTER, a citizen of the United States, residing at Cullman, in the county of Cullman and State of Alabama, have invented certain new and useful Improvements in Bullet-Molds; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in adjustable bullet-molds, whereby different kinds of bullets may be made either with grooves or patched and provided with different-shaped points adapted to fit bores of rifles of different makes and calibers; and it consists of the provision, in connection with the ordinary pivotal jaws, of dovetailed grooves on the adjacent faces of the jaws, in which matrix-blocks of various makes may be inserted in said grooves and adjusted by means of screws, whereby bullets of different lengths and sizes may be made; and it consists in various details of construction and combinations of parts, which will be hereinafter more fully described and then specifically defined in the appended claim.

My invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which drawings similar letters of reference indicate like parts in the views, in which—

Figure 1 is a perspective view of my improved interchangeable bullet-mold with the jaws open. Fig. 2 is a side elevation of the face of one of the jaws, and Fig. 3 is a cross-sectional view through the jaws.

Reference now being had to the details of the drawings by letter, A and A′ designate two jaws which are pivoted together at *a*, and the inner face of each jaw has a dovetailed groove B, in which the matrix or matrices C are held, which are of a shape corresponding to the shape of the groove. An adjusting-screw D is mounted in the end of each jaw and is adapted to bear against the inner end of a matrix for the purpose of forcing the jaw longitudinally to adjust the matrix to the size of a bullet to be cast. In the drawings I have shown a plurality of matrices, whereby bullets of different lengths may be made. For instance, if it is desired to make a bullet of a long length two or more matrices may be used, whereas if it is desired to make a bullet of a short length one or more sections of the matrix may be removed, or, if desired, the matrix may be made of one piece. Adjusting-screws E are mounted in the ends of the said jaws and adapted to bear against the side or edge of a matrix to hold the same securely in place, and guide-pins F are mounted on the side of one jaw and adapted to engage apertures in the face of the opposing jaw when they come together. Pivoted to one of the jaws is a plate H, having an aperture H′ in the center, which when said plate is swung into position so that the pin K on one of the jaws will engage a notch K′ the jaws will be held together in locked relation and the central aperture H′ therein will register with the bore formed by the two sections of the matrix.

From the foregoing it will be seen that a bullet-mold made in accordance with my invention may be easily adjusted to make bullets of various shapes and sizes by merely mounting matrices of different kinds in the grooves or apertures in the jaws.

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

A bullet-mold, comprising two jaws pivoted together having square-shaped heads having dovetailed grooves on their inner faces, guide-pins carried by one jaw and adapted to interpose in the face of the adjacent jaw, a plurality of matrix-blocks mounted in each groove, an adjusting-screw mounted in the face of each jaw and adapted to bear against one of said matrix-blocks, and said adjusting-screws, one carried by each jaw, and a pivotal locking-plate apertured to register with the bore of the mold, as set forth.

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

HERMAN RICHTER.

Witnesses:
ROBT. L. HIPP,
FRED J. BUCHMANN.