

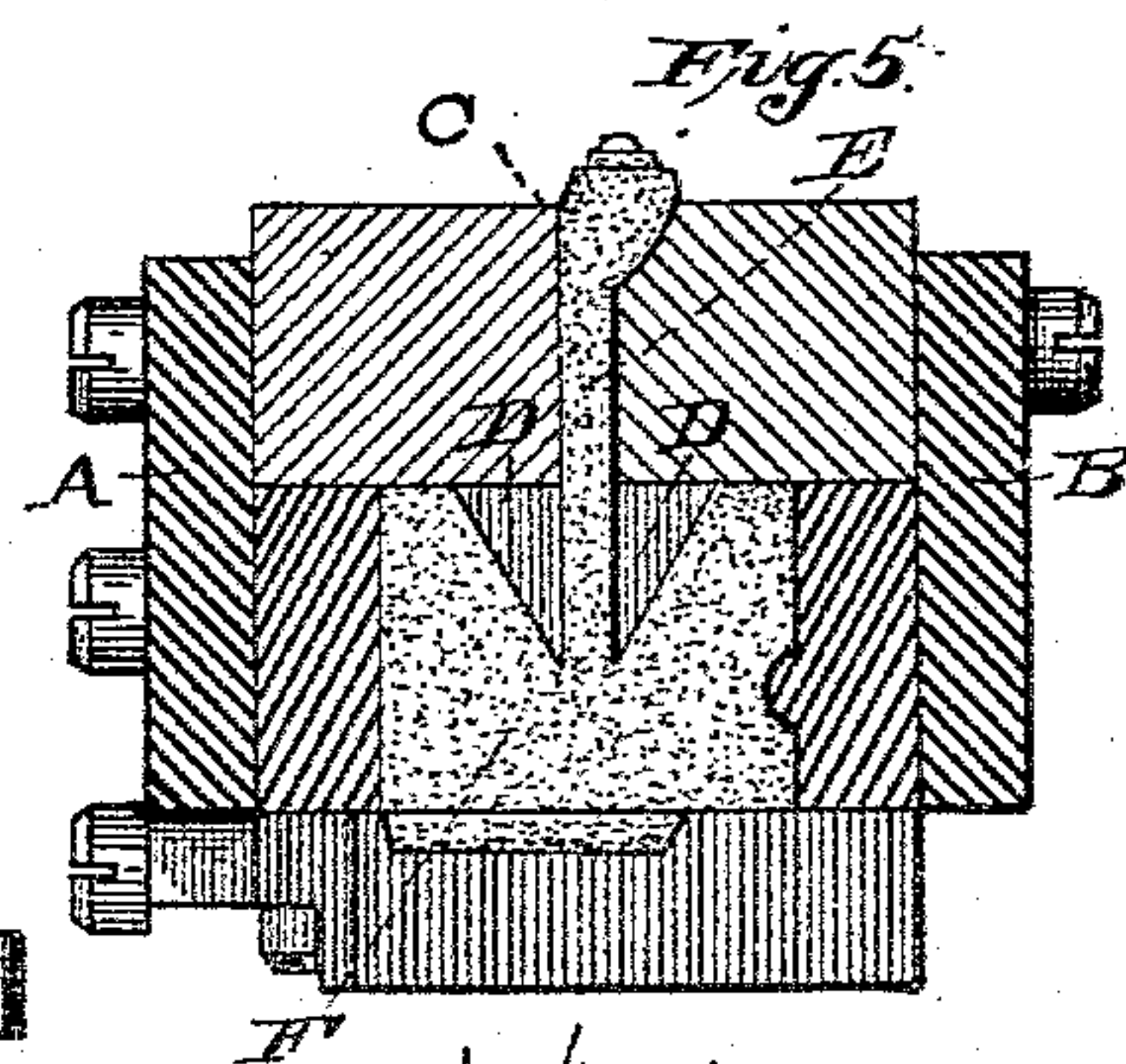
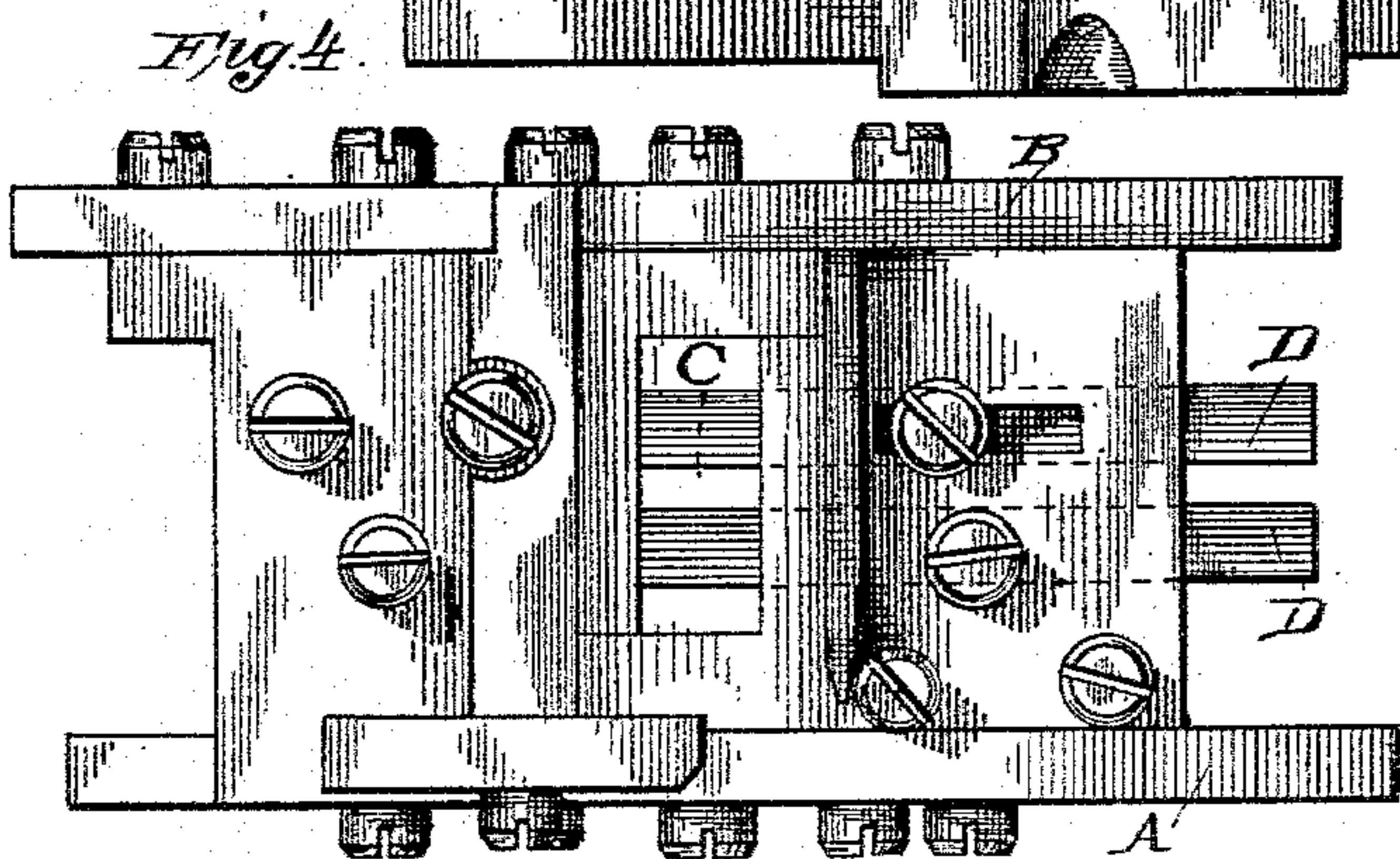
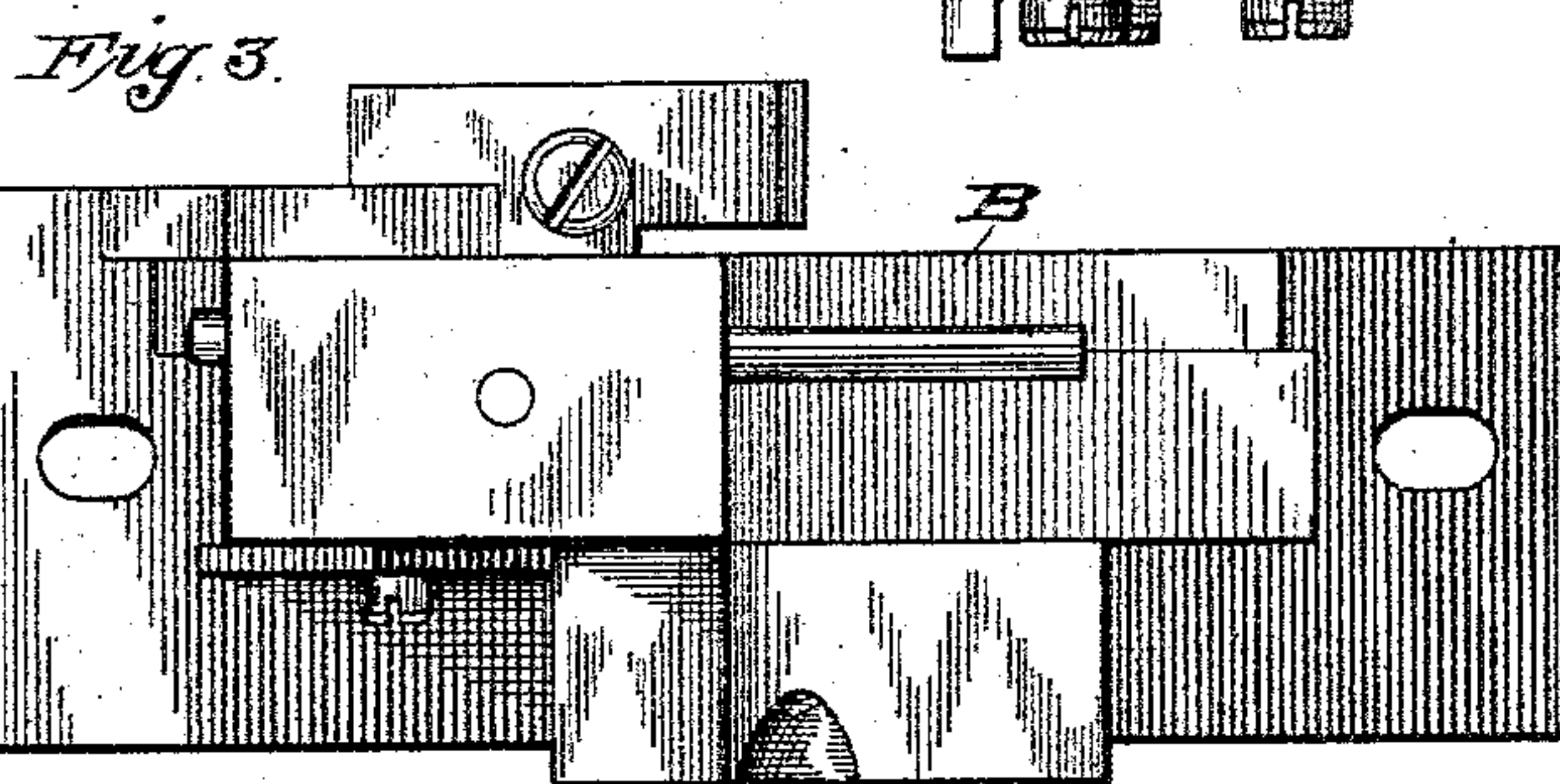
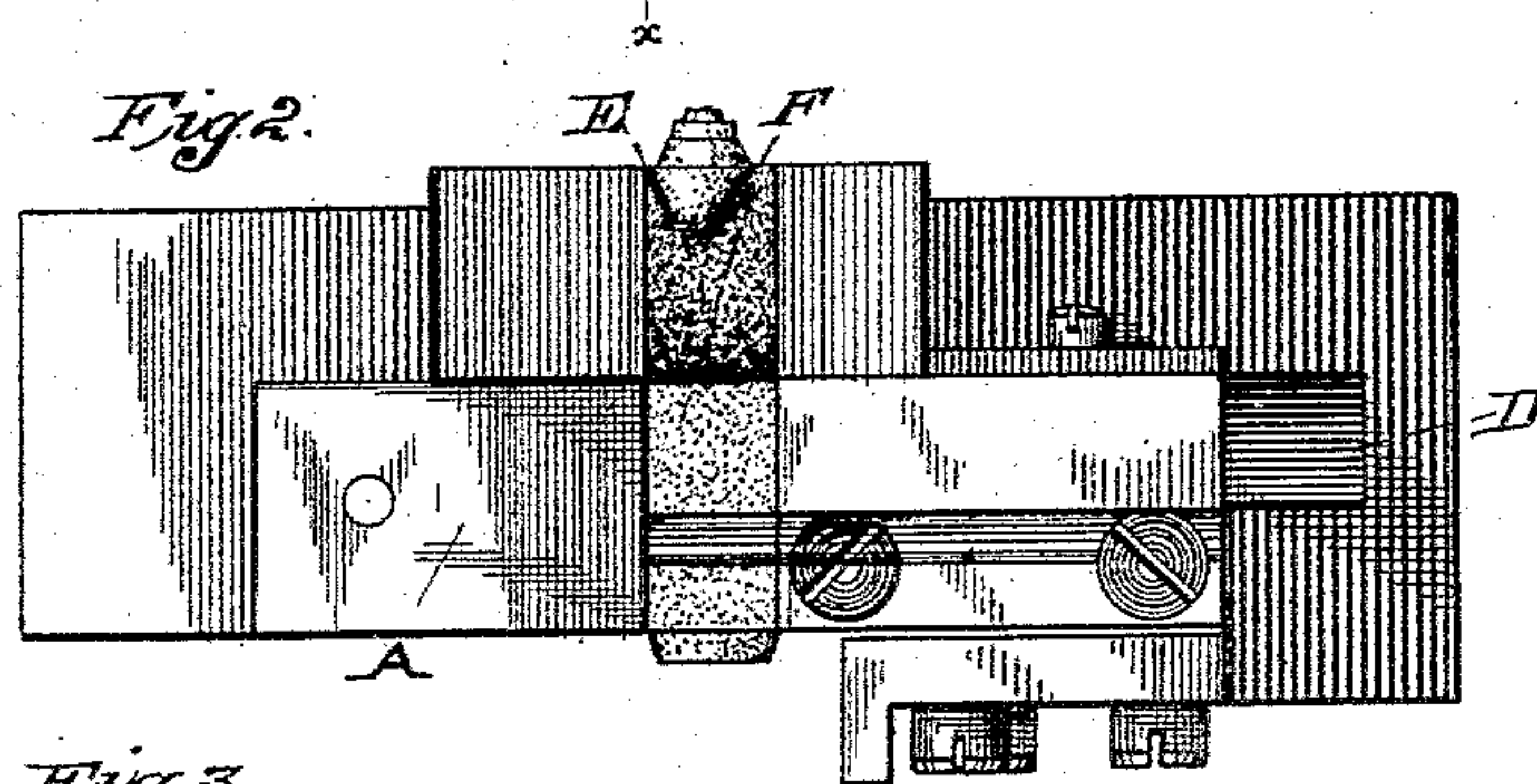
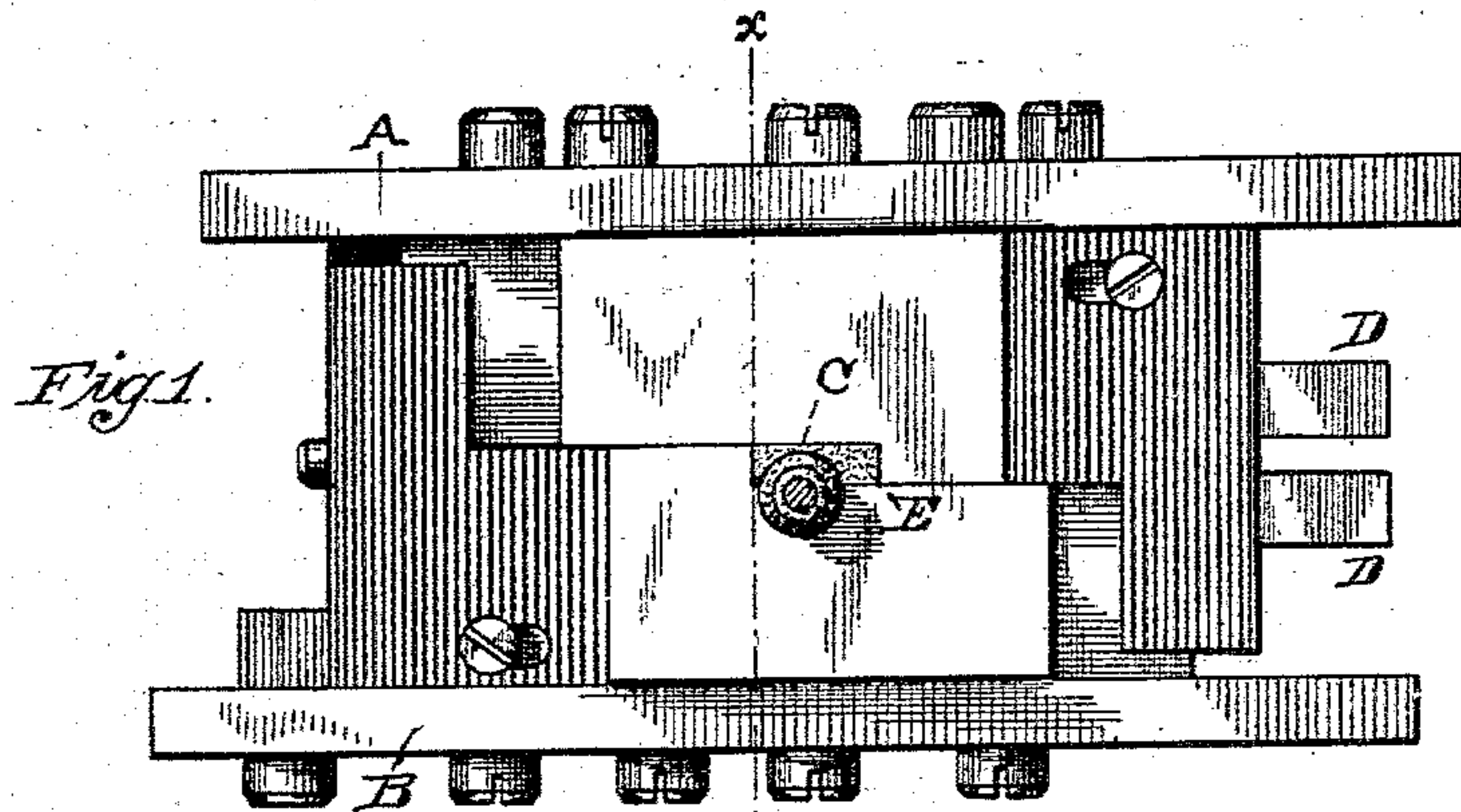
(No Model.)

J. M. CONNER.

TYPE MOLD.

No. 356,749.

Patented Feb. 1, 1887.



ATTEST:  
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# UNITED STATES PATENT OFFICE.

JAMES M. CONNER, OF NEW YORK, N. Y.

## TYPE-MOLD.

SPECIFICATION forming part of Letters Patent No. 356,749, dated February 1, 1887.

Application filed December 26, 1885. Serial No. 186,703. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES M. CONNER, of the city, county, and State of New York, have invented Improvements in the Construction of  
5 Molds for Casting Metal Type; and I do declare the following to be a full, clear, and correct description of the same, reference being had to the accompanying drawings, making part of this specification, and to the letters of  
10 reference marked thereon, in which—

Figure 1 is a top view of my improved mold. Fig. 2 is a view of one portion of the mold. Fig. 3 is a view of the other portion of the mold. Fig. 4 is a top view of the mold, the  
15 type having been removed therefrom. Fig. 5 is a cross-section on the line *x x*, Fig. 1.

In the drawings like parts of the invention are designated by the same letters of reference.

The nature of the present invention relates to  
20 improvements, as hereinafter set forth, in the construction of molds for casting metal type, the object of the invention being the production of a mold for casting metal type of the larger sizes—say, from what is technically  
25 known as “four-line pica” upward—by which the types are cast with a hollow body, by which the weight of the body in each type cast is materially reduced. To accomplish this I  
30 combine with a type-mold the movable prismatic strips, as hereinafter set forth.

To enable those skilled in the arts to make and use my invention, I will describe the same.

A and B show, respectively, the two sections of which the type-mold is composed, and  
35 C shows the opening in the mold for the introduction of the molten metal from which the type is to be formed. The section A of the mold is provided with the strips on each side

of a central plate, E, within which are fitted the movable prismatic strips D, the position  
40 of which to each other and to the mold may be regulated as required by the screws *a*.

F shows a type as cast in the mold.

The operation may be thus described: The mold and the movable prismatic strips are ad-  
45 justed to the width of the type to be cast, the metal enters the mold through the opening C, passes to the opposite side of the mold, and the letter is formed, the body of the letter being provided with the inclined sides ex-  
50 tending from the central point to the base of the type and a “jet” formed of a strip depending from this central point and provided with a ball-like termination, as clearly  
55 shown in Figs. 2 and 5 of the drawings. After the type has been removed from the mold this jet may be broken off, and the  
60 result is a type the weight of which is materially reduced by reason of the hollow body formed as shown. Thus a type of less weight,  
65 and necessarily produced at a lower cost than if cast in the ordinary way, is produced.

Having now described my invention, I claim as new—

The combination, with a type-mold composed  
65 of the sections A and B, of the movable prismatic strips D, placed in advance of the opening C, and between it and the opposite side of the mold, and central plate, E, constructed  
70 and operating substantially as and for the purpose specified.

JAMES M. CONNER.

In presence of—

W. V. H. HICKS,  
A. SIDNEY DOANE.