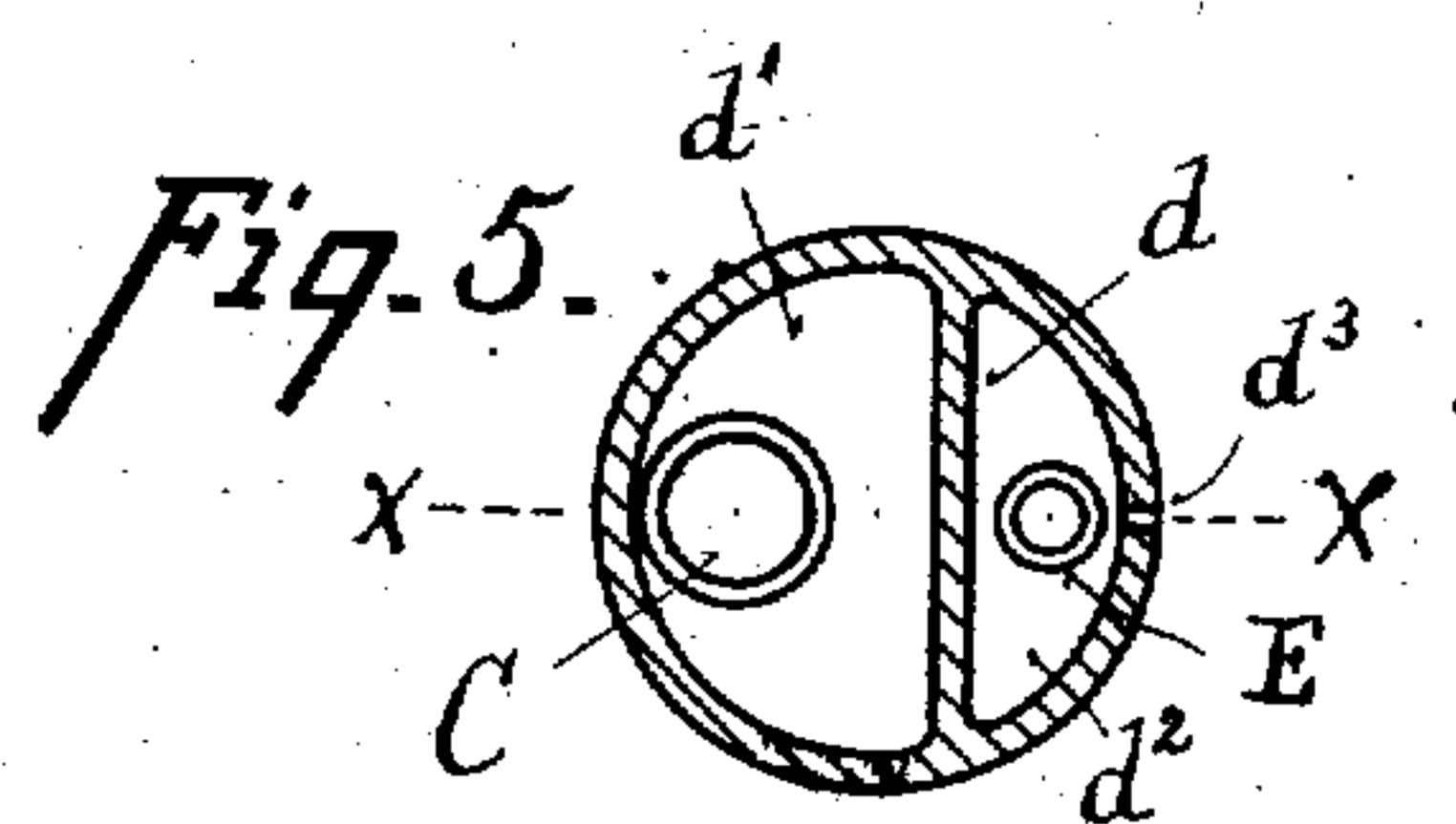
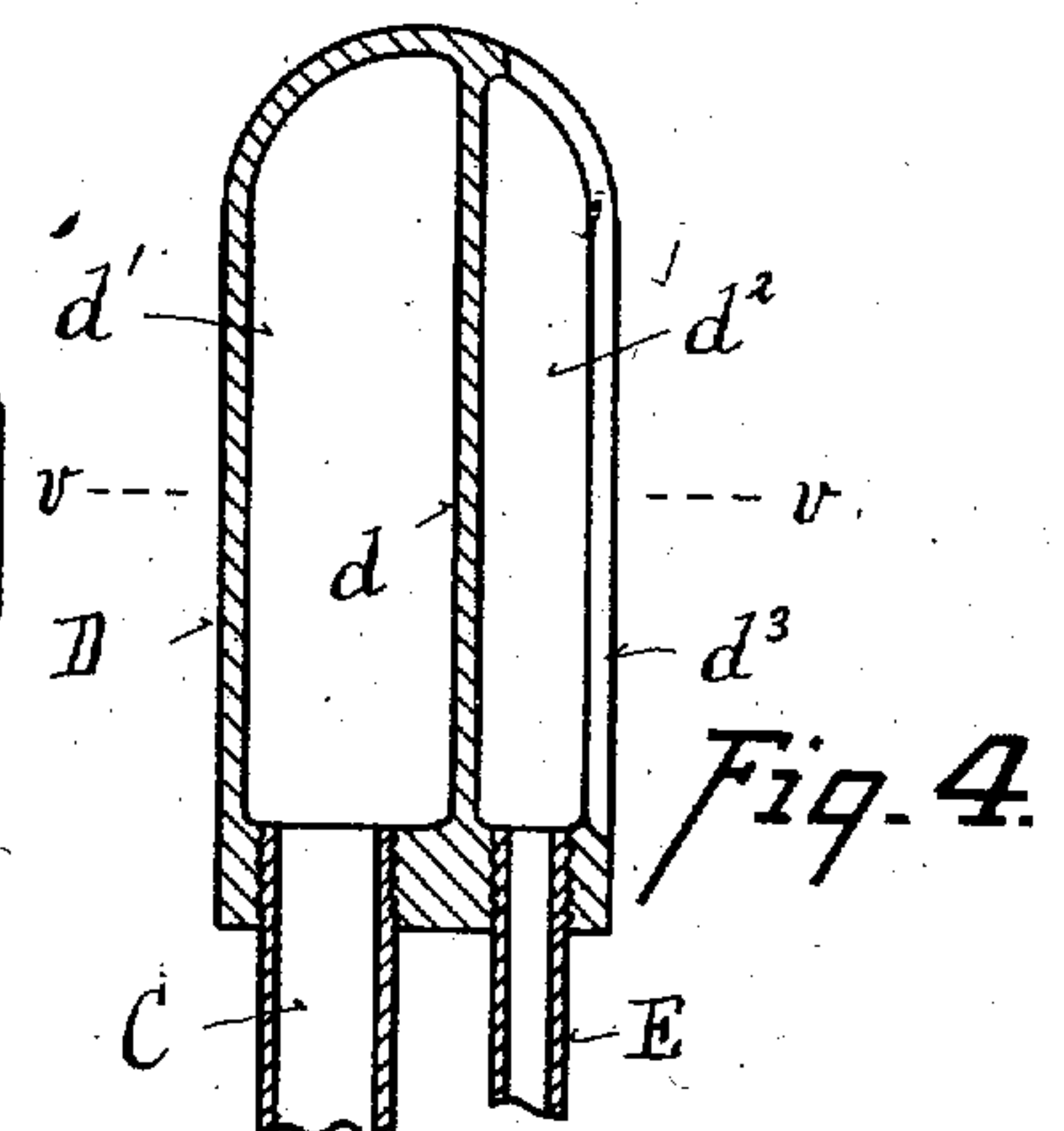
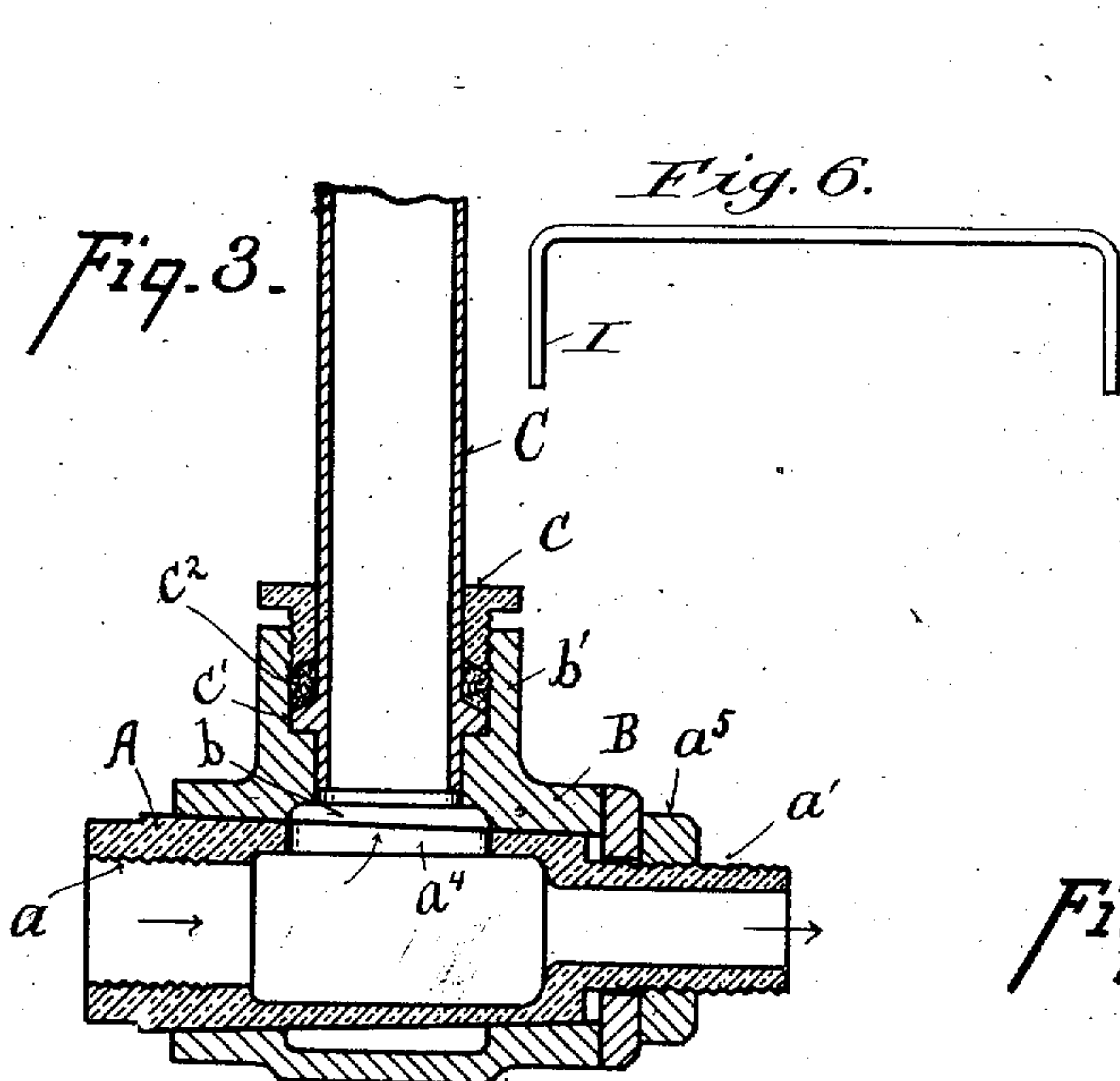
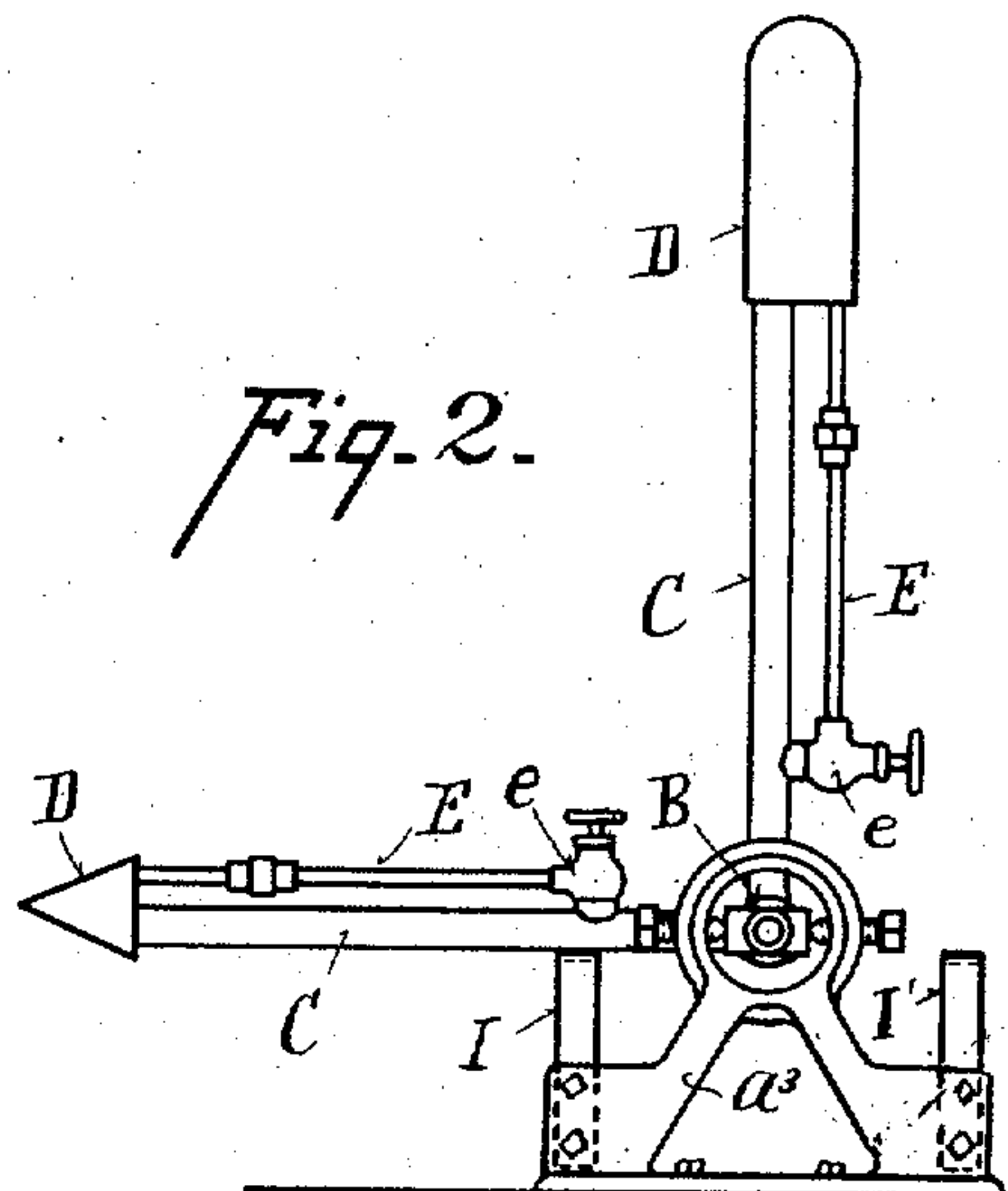
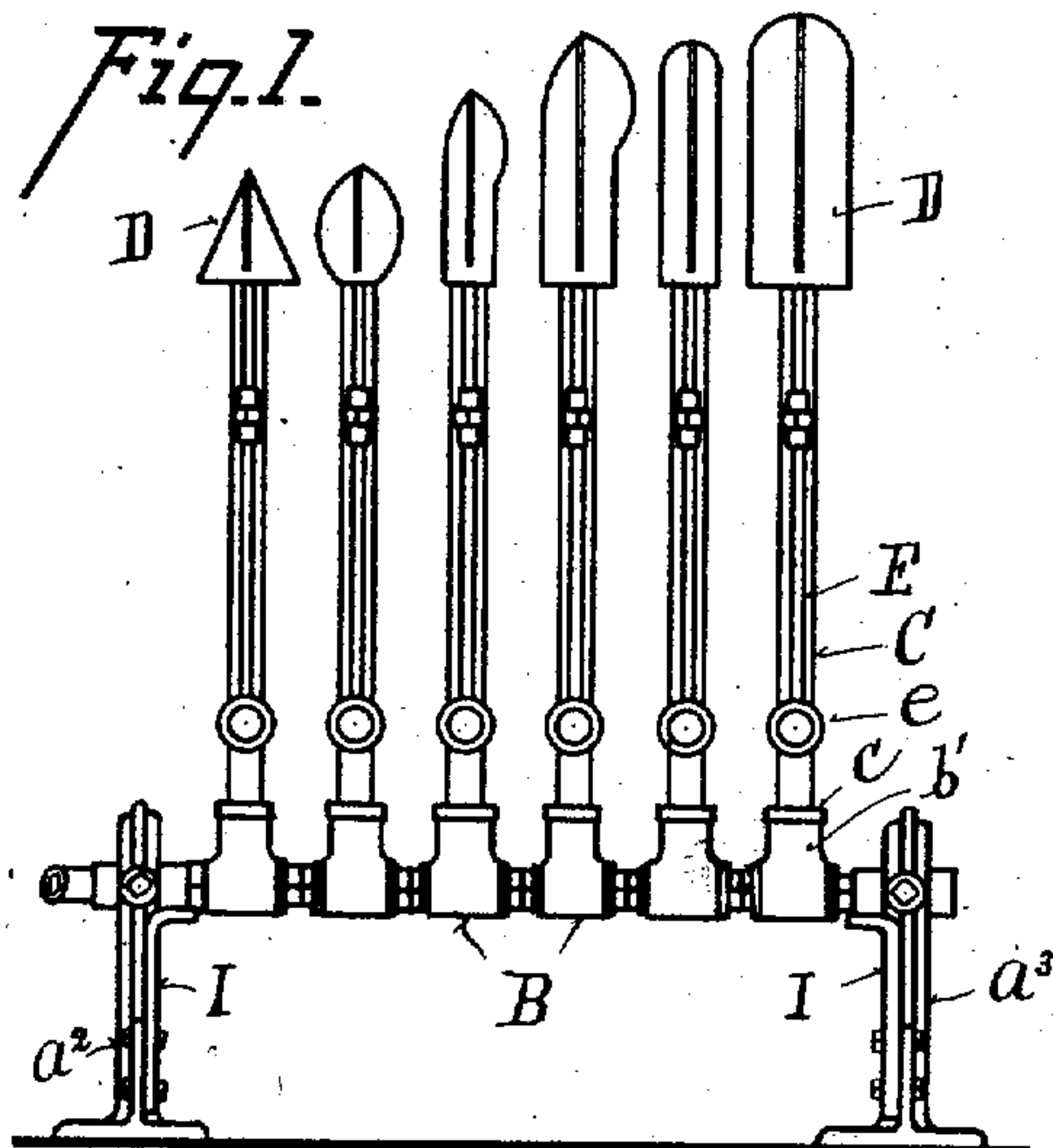


No. 859,289.

PATENTED JULY 9, 1907.

E. C. GREVER.
PUFFING IRON.

APPLICATION FILED NOV. 14, 1904.



Witnesses
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EDWARD C. GREVER, OF CINCINNATI, OHIO.

PUFFING-IRON.

No. 859,289.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed November 14, 1904. Serial No. 232,562.

To all whom it may concern:

Be it known that I, EDWARD C. GREVER, a citizen of the United States of America, and a resident of Cincinnati, county of Hamilton, State of Ohio, have
5 invented certain new and useful Improvements in Puffing-Irons, of which the following is a specification.

The object of my invention is a steam heated puffing iron, provided with means for allowing some of
10 the steam to escape over its surface at such times as it may be desired to moisten the goods being ironed, and which is adjustable to bring it to the most convenient position for the operation of ironing. This object is attained by the means described in the specification and illustrated in the accompanying drawings, in which

Figure 1 is a front elevation of a set of puffing irons embodying my invention, the bracket for supporting the irons in the operative position, being shown
20 broken off. Fig. 2 is an end elevation of the same showing one of irons adjusted to the position it occupies in use. Fig. 3 is a detail sectional view upon an enlarged scale of one of the sections of piping carried by the rotatable sleeve, and leading to the puffing iron. Fig. 4 is a detail sectional view through one of the puffing irons taken upon line $x-x$ of Fig. 5. Fig. 5 is a sectional view of the same taken upon line $v-v$ of Fig. 4. Fig. 6 is a detail front elevation of one of the brackets.

30 Referring to the parts—the puffing irons are mounted upon a steam pipe made up of sections of piping, A, one end, a , of which is interiorly screw-threaded to receive the exteriorly screw-threaded end, a' , of the adjacent section of piping. When said sections
35 are put together, they are supported between standards, a^2 , a^3 , secured to the table. Each of the sections A, has a longitudinal slot, a^4 , and is surrounded by a rotatable sleeve, B, which has an interior annular groove, b , to register with the slot, a^4 , in the section, A.
40 The pipe section, A, and the sleeve, B, are each similarly tapered to form a rotatable steam tight joint, and the sleeve B, is held in place on the section by a nut, a^6 . Sleeve, B, has upon one of its sides an annular interiorly screw-threaded extension, b' , to receive a nut, c , to couple the pipe, C, to the sleeve, B.
45 Pipe, C, has at its inner end a flange, c' , between which and the nut, c , packing, c^2 , is placed, so that the pipe, C, is capable of a rotation in the extension, b' , without allowing the escape of steam at the joint. Pipe,
50 C, carries at its outer end a puffing iron, D, which is divided by an internal partition, d , into an enlarged chamber, d' , and a reduced chamber, d^2 . The irons may be of various shapes, such as illustrated in

Fig. 1, but regardless of shape, each is provided with the aforesaid chambers, d' , and d^2 . Chamber, d' , is
55 a closed chamber and into it the steam pipe, C, leads. Chamber, d^2 , has in its walls a narrow longitudinal slot, d^3 . Pipe, C, has a branch pipe, E, which leads into the chamber, d^2 . The communication between branch, E, and pipe, C, is controlled by a valve, e .
60

The steam entering chamber, d' , through pipe, C, keeps the whole iron heated up at all times for pressing the goods, which is drawn over the same in the usual manner. Should it be desired to moisten the
65 goods being pressed, steam may be admitted into the chamber, d^2 , by opening valve, e , and will escape through the slot, d^3 . When the cloth has been sufficiently moistened, it is necessary only to close the valve, e , when the operation of pressing may be continued on the same iron, which will then be dry.
70

The rotatable sleeves, B, enable the operator to draw down an iron of the particular shape which he
75 desires to use to its operative position, either forward as shown in Fig. 2 to rest upon the bracket, I, or rearward to rest upon the bracket, I'. It is desirable that the surface of the iron having the slot be the one which is brought uppermost when the iron is in use. This is accomplished by means of the swiveled joint
80 between pipe, C, and the extension, b' . Brackets, I and I', are of a similar construction and each consists of a bar having its ends bent downward at a right angle to the main portion of the bar, the downwardly bent portions being bolted to the standards, a^2 , a^3 . The bars extend from one standard to the
85 other.

What I claim is:

1. The combination of a steam pipe having in it a series of slots, a series of rotatable sleeves fitting over the pipe and having interior grooves to register with the slots in the pipe, pipes swiveled to the sleeves, puffing irons located
90 at the outer ends of the pipes, each of said irons having two chambers, one a closed and the other a slotted chamber, and branch pipes leading from the swiveled pipes into the slotted chambers.

2. The combination of a steam pipe made of tapering
95 sections interiorly screw-threaded at one end and exteriorly screw-threaded at the other end to be fitted one into the other, each section having a slot in its walls, rotatable sleeves interiorly tapered to fit over the pipe sections and having interior grooves to register with the slots in said
100 pipe sections, pipes coupled to the sleeves and puffing irons secured at the outer ends of the pipes.

3. The combination of a steam pipe having in it a series of slots, a series of rotatable sleeves mounted upon the pipe and having interior grooves to register with the slots
105 in the pipe, pipes coupled to the sleeves, and puffing irons secured at the outer ends of the pipes.

EDWARD C. GREVER.

Witnesses:

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