

C. E. STEVENS.

HAT BLOCK.

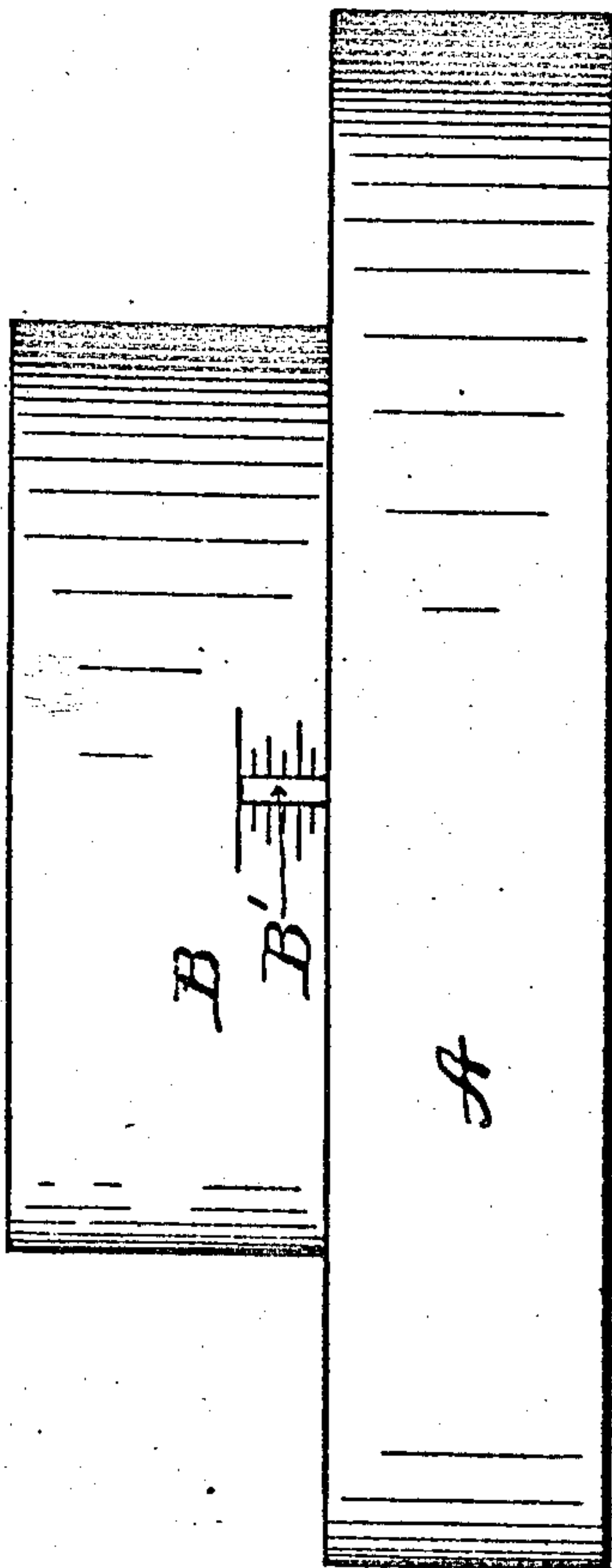
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899,141.

Patented Sept. 22, 1908.

3 SHEETS—SHEET 1.

Fig. 1.



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3 SHEETS—SHEET 2.

Fig. 2.

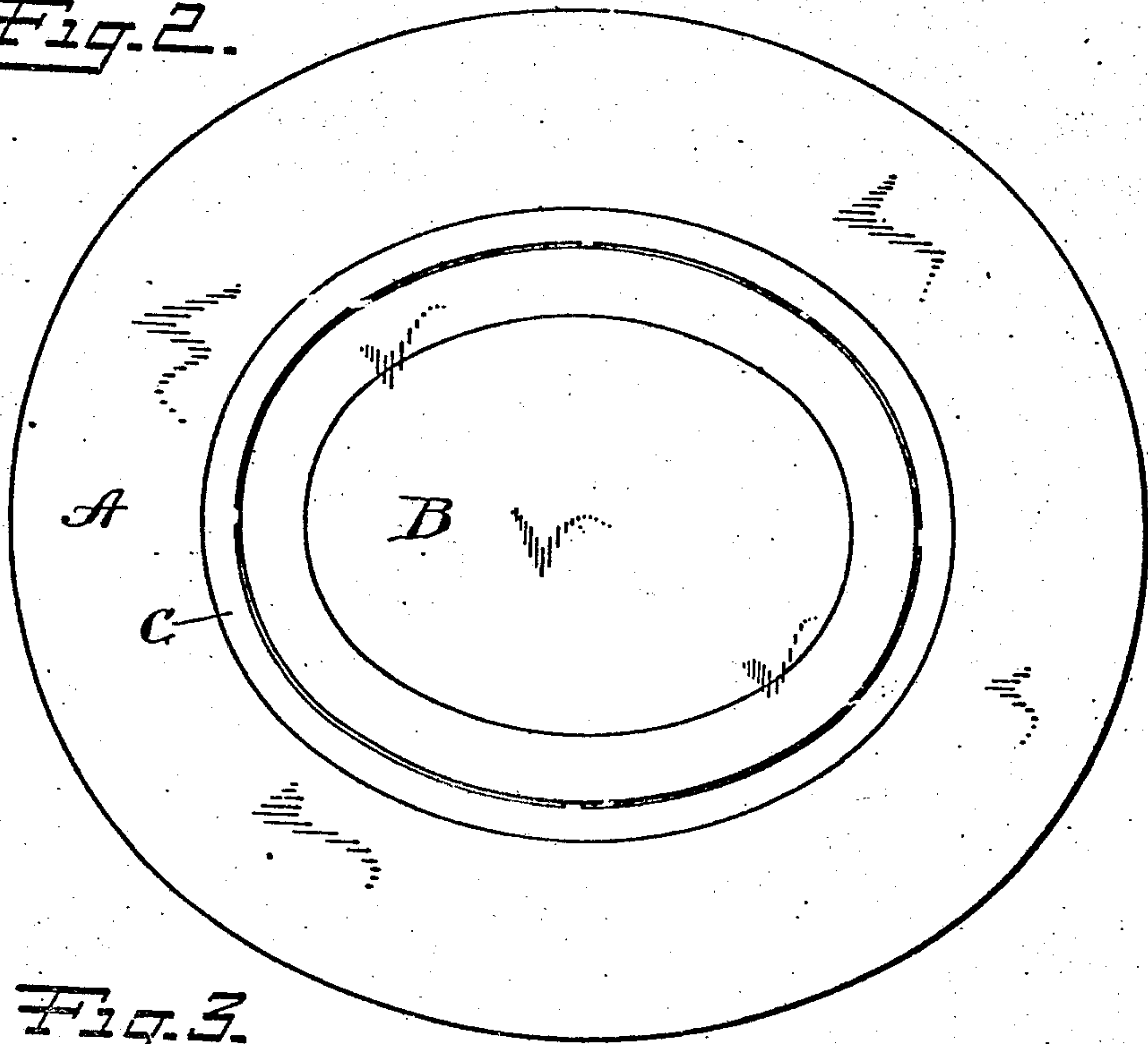
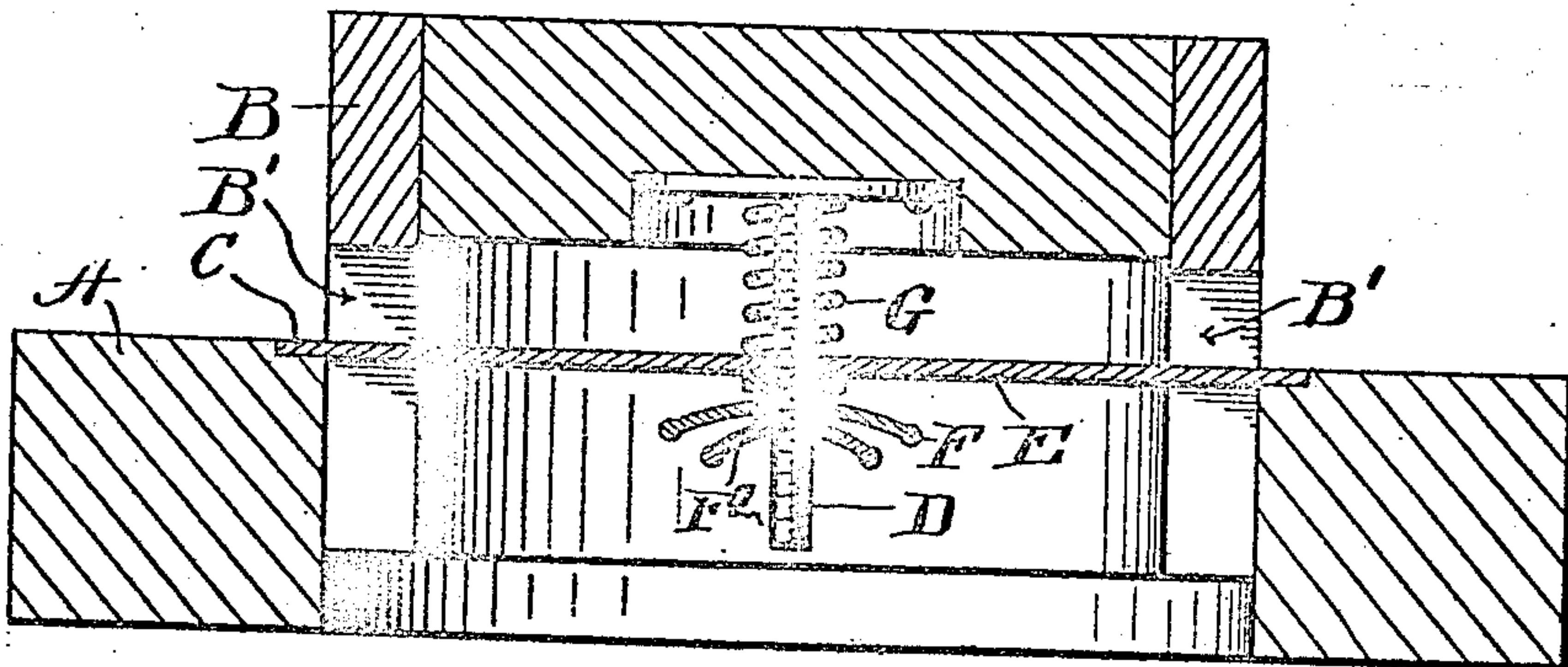


Fig. 3.



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3 SHEETS—SHEET 3.

Fig. 4.

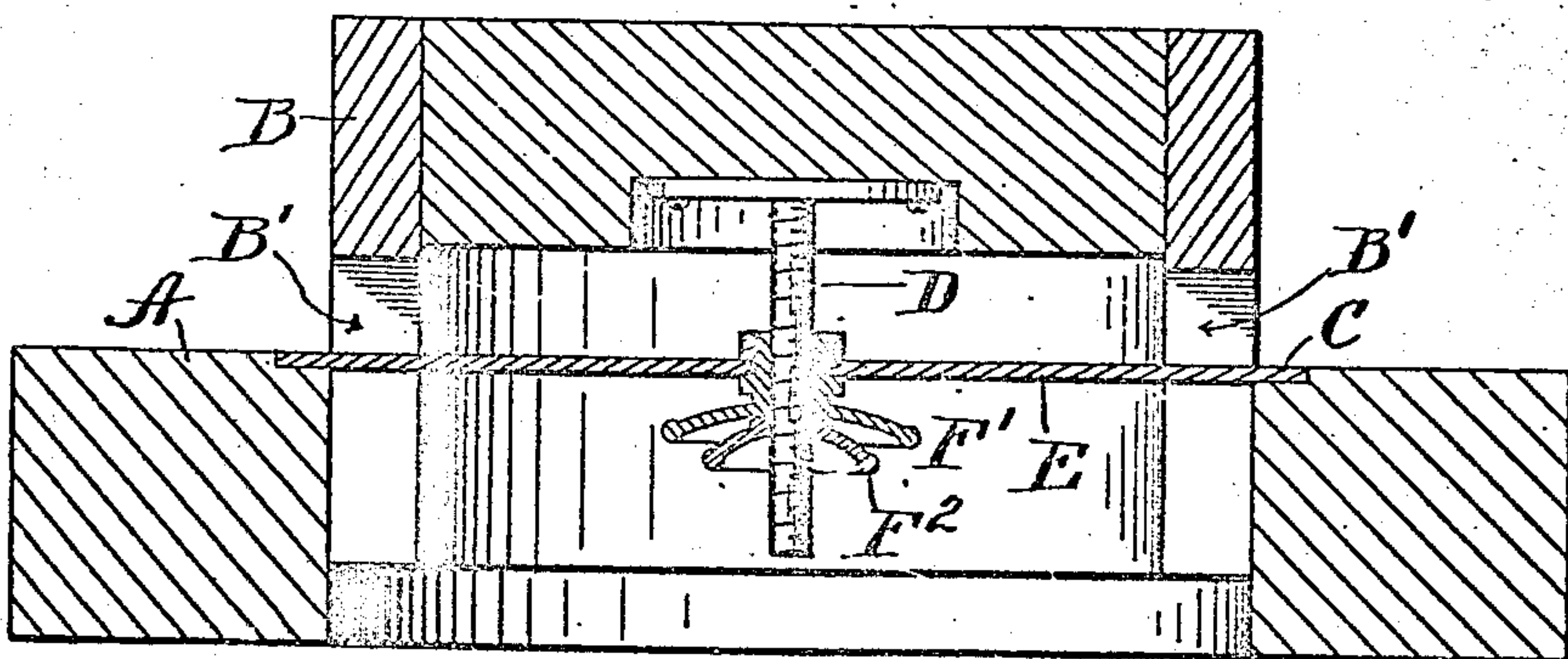
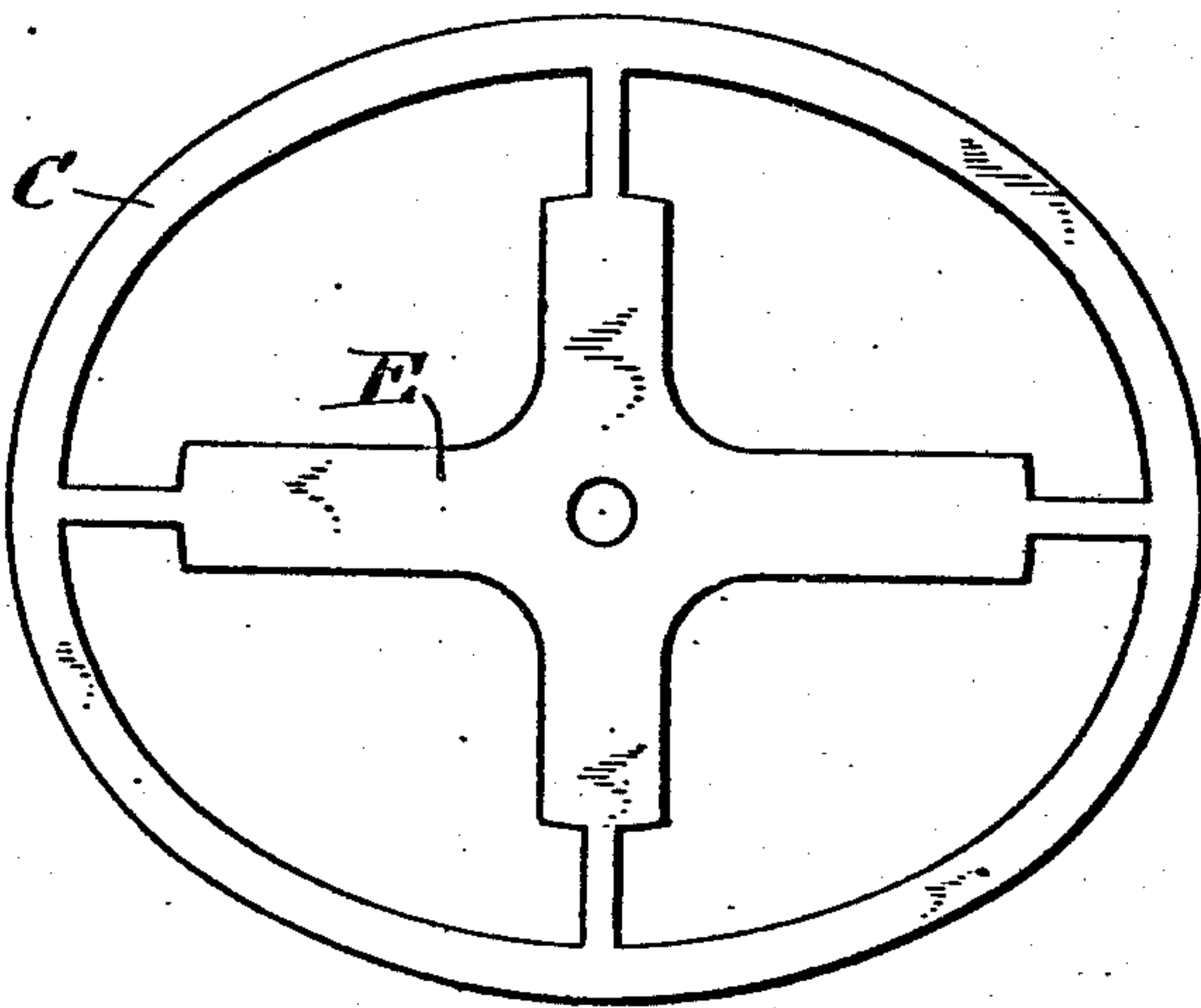


Fig. 5.



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UNITED STATES PATENT OFFICE.

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HAT-BLOCK.

No. 899,141.

Specification of Letters Patent.

Patented Sept. 22, 1908.

Application filed October 17, 1907. Serial No. 397,888.

To all whom it may concern:

Be it known that I, CLIFFORD E. STEVENS, citizen of the United States, residing at East Orange, county of Essex, New Jersey, have
5 invented certain new and useful Improvements in Hat-Blocks, of which the following is a full, clear, and exact description.

The object of this invention is to provide a hat block for manufacturing and pressing
10 hats, said construction being such that the parts are adjustable and interchangeable, thereby very greatly reducing the number of blocks necessary for use in a hat factory. In the past it has been customary in the manu-
15 facture, of straw hats for example, to provide a separate block for each size hat and a separate block for each variation in the height of the crown. This required a multitude of blocks which occupied much space.
20 By my invention a very great saving in expense is effected, not only in the original investment, but also in storage.

In the drawings, Figure 1 is a side elevation of the complete block. Fig. 2 is a plan
25 view thereof. Fig. 3 is a cross section of Fig. 2. Fig. 4 is a similar view of a modification. Fig. 5 is a plan of a detail of construction.

In the particular form of the invention
30 shown in the drawings, the lower part A represents what I will term the brim section of the block, which has an opening in the center of suitable outline. As shown, the surface of the brim section is flat. The member B
35 represents the crown section. This section is carried in the opening of the brim section and suitable means is provided whereby this crown section may be adjusted up and down to provide for different heights of crown.
40 One preferred form of construction whereby the adjustability of the crown section is effected includes an adjustable supporting flange or flanges carried at the side of the crown section and movable up and down
45 thereon and arranged to rest upon some part of the brim section, preferably in a recess, so as to lie flush. In that particular form shown in the drawings, this flange is continuous or uninterrupted and extends around the crown
50 section, as indicated by ring C. The crown section is hollow at its under side and suitable slots are provided in the walls thereof through which the adjusting mechanism, when located within the hollowed part of the
55 crown section, may make connection with the ring C. The adjusting mechanism, in

this particular instance, comprises a screw D projecting downwardly in the hollowed underside of the crown die. E is a spider, the
60 arms of which pass through the slots B'—B' in the wall of the crown die and carry the external ring C. F is a nut and F² is a lock nut mounted on the screw D, to adjust and lock the spider and ring at the desired elevation.
65 The upward adjustment may be effected positively, while the depression of the ring may be effected by a spring G. When the parts are assembled, the block may be employed in the usual manner for manufacturing hats
70 either by pressing, sewing or otherwise, and to that end may be used with any such other devices as are commonly employed by a hatter in producing hats.

Where crowns of different circumference are required, it is merely necessary to pro-
75 vide a crown section of the desired size and to have a ring C fitted thereto. The external size and shape of all the rings may be uniform, thereby permitting the substitution in a single brim section of a variety of crown
80 sections of different sizes. By my invention it is merely necessary for a single workman to have a single brim block A and a set of crown sections of different sizes. Each of
85 these crown sections may be provided with the adjusting element, so that the particular crown die carried thereby may be lifted to any height.

By this invention, as will be seen, all sizes and heights of hat may be produced with a
90 comparatively few pieces. The brim and crown sections may be made of any suitable material.

In the modification shown in Fig. 4, the adjusting nut F' is arranged to positively
95 move the ring C both up and down.

On the side of the crown graduations may be provided, if desired, to facilitate the adjustment of the supporting flange to any
100 desired elevation without the use of any separate measuring instruments.

What I claim is:

1. In a hat block, a brim section, a crown section and independent means movably
105 carried by one of said sections for adjustably supporting the crown section on and relatively to the brim section.

2. In a hat block, a brim section, a crown section and independent means movably
110 carried by the crown section for adjustably supporting the crown section on and relatively to the brim section.

3. In a hat die, a brim section, a crown section, a flange projecting laterally from the crown section and arranged to be supported upon the brim section, and means
5 for adjusting said flange on said crown section to vary the height of the same relatively to the brim section.

4. In a hat block, a brim section, a crown section, a supporting flange on the crown section and adjustable thereon, and a recess in
10 the brim section arranged to receive said flange.

5. In a hat block, a brim section, a crown section, a ring around the crown section and
15 adjustable thereon, and a recess in the brim section arranged to receive said ring flush with the surface thereof.

6. In a hat block, a brim section, a crown section, a ring around the crown section and
20 adjustable thereon, a recess in the brim section arranged to receive said ring, and ad-

justing means within the crown section making connection with said ring through the walls thereof.

7. In a hat block, a brim section, a crown section, a supporting flange on the crown section, an adjusting device within the crown section, said adjusting device being connected to said flange for moving the latter
up and down. 25

8. In a hat block, a brim section, a hollow crown section, a flange at the outer side of the crown section, and means for adjusting said flange up and down thereon, said flange being supported by the brim section when
30 the parts are assembled whereby the height of the crown may be varied. 35

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Witnesses:

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