

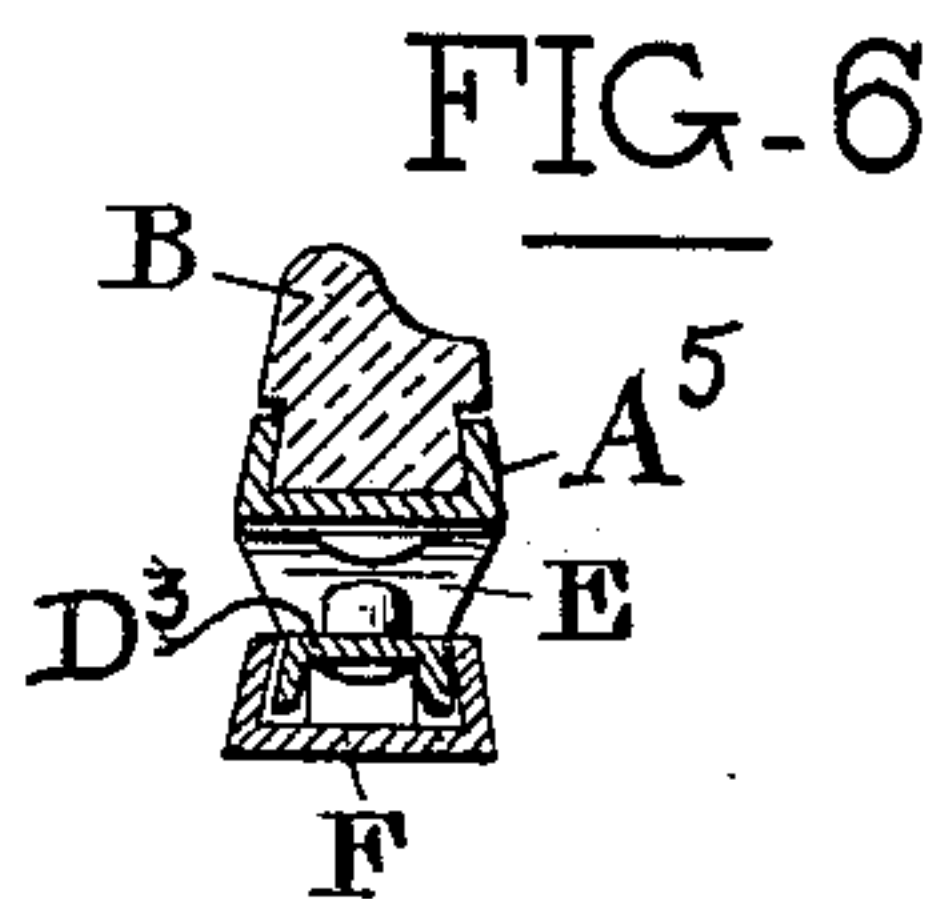
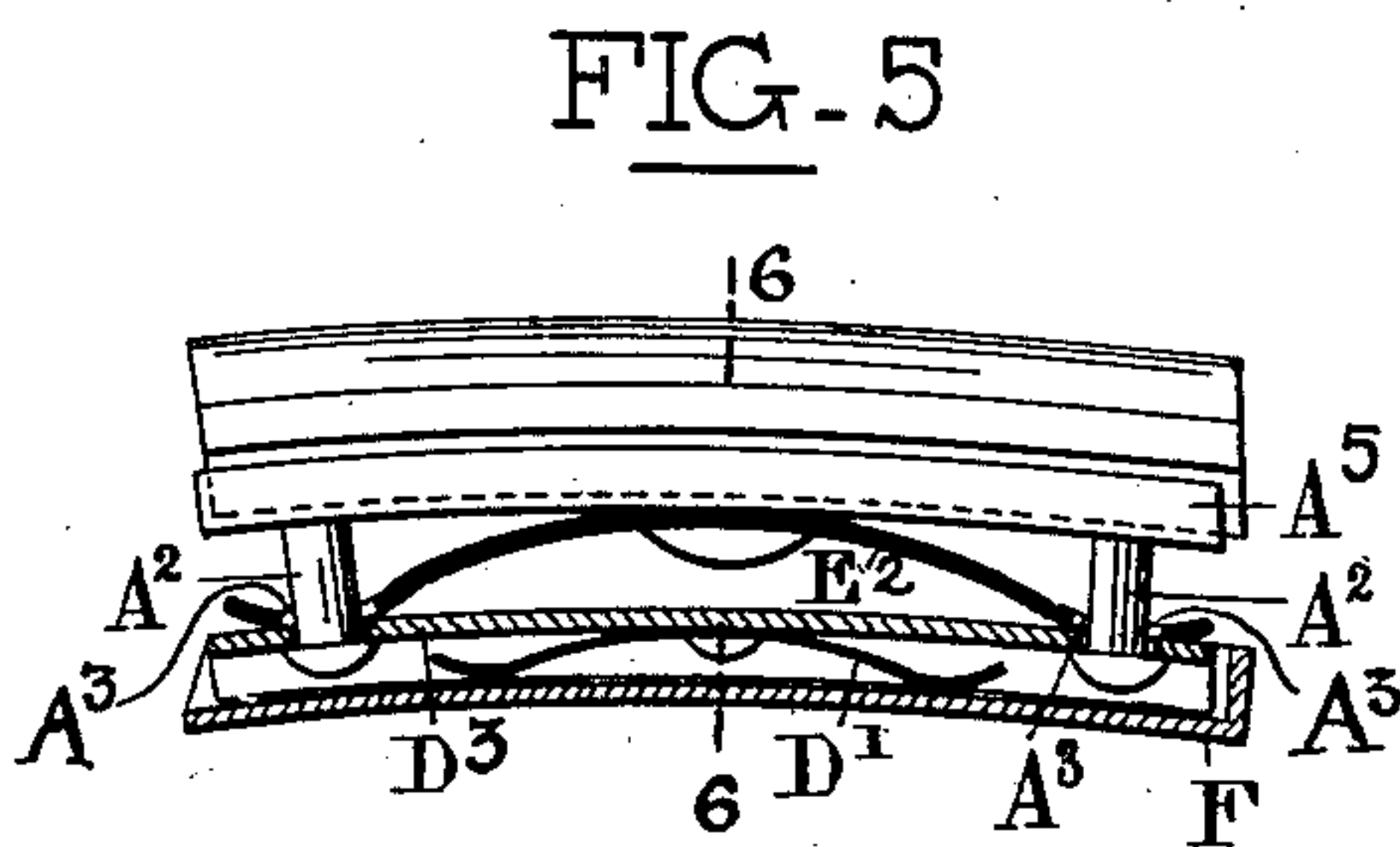
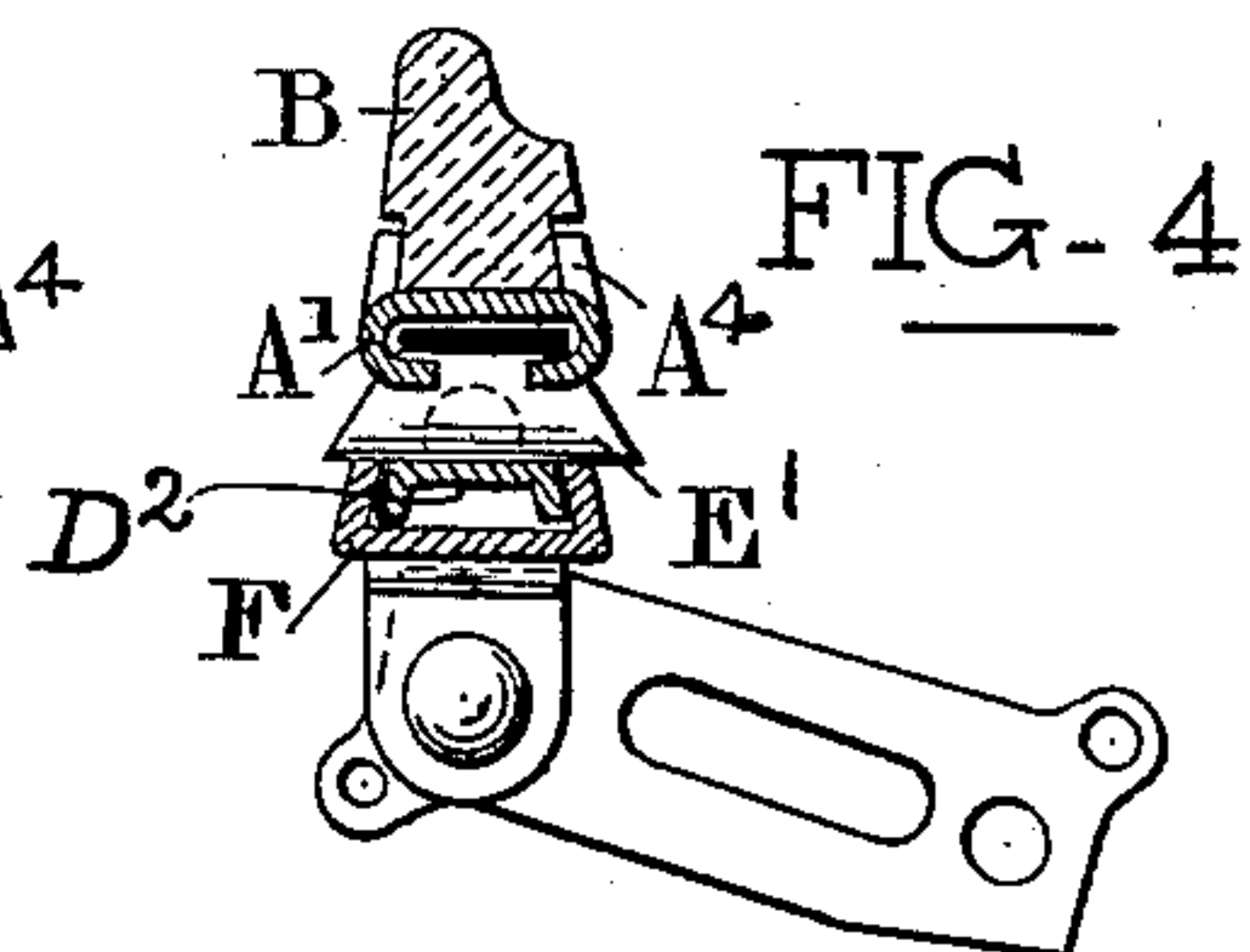
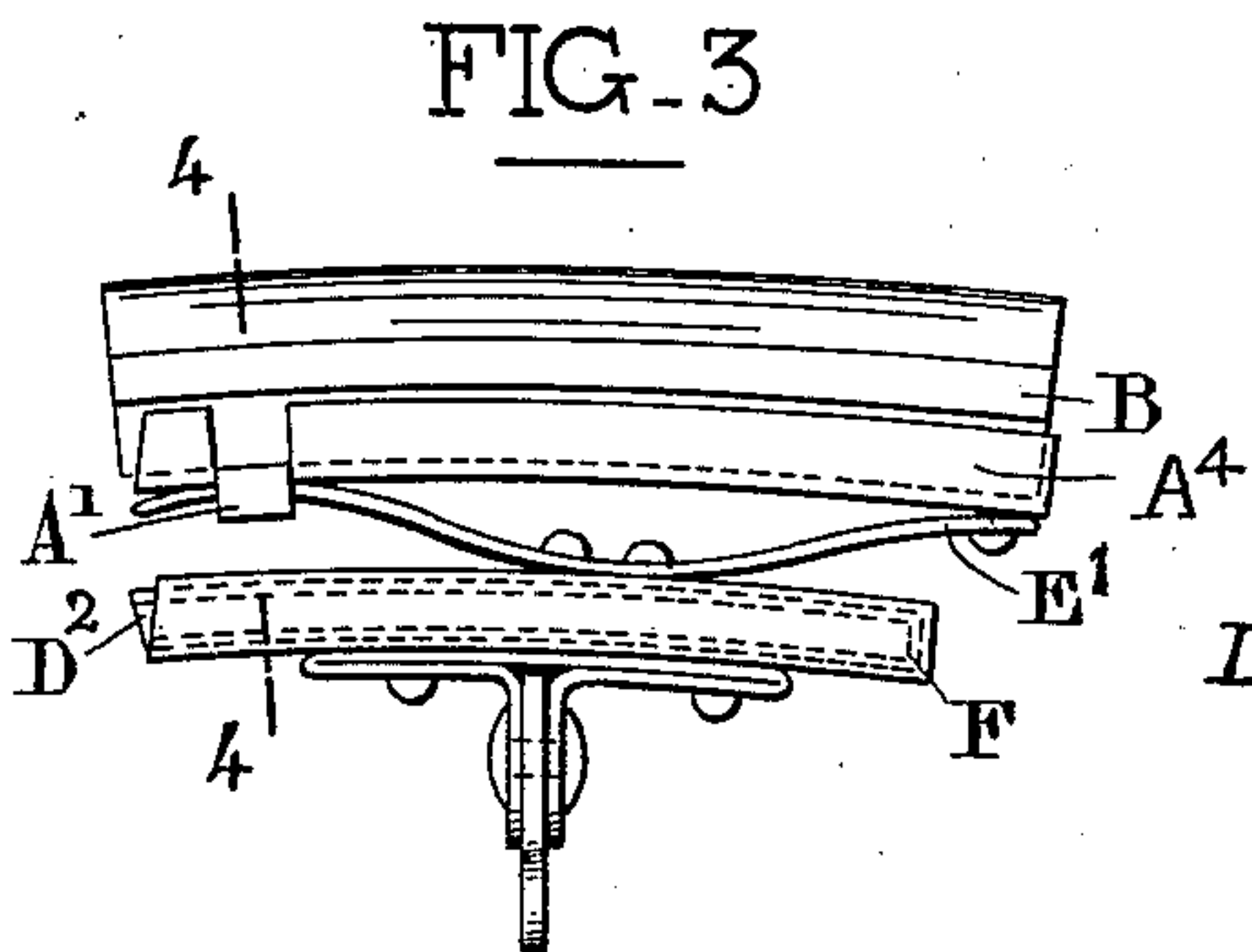
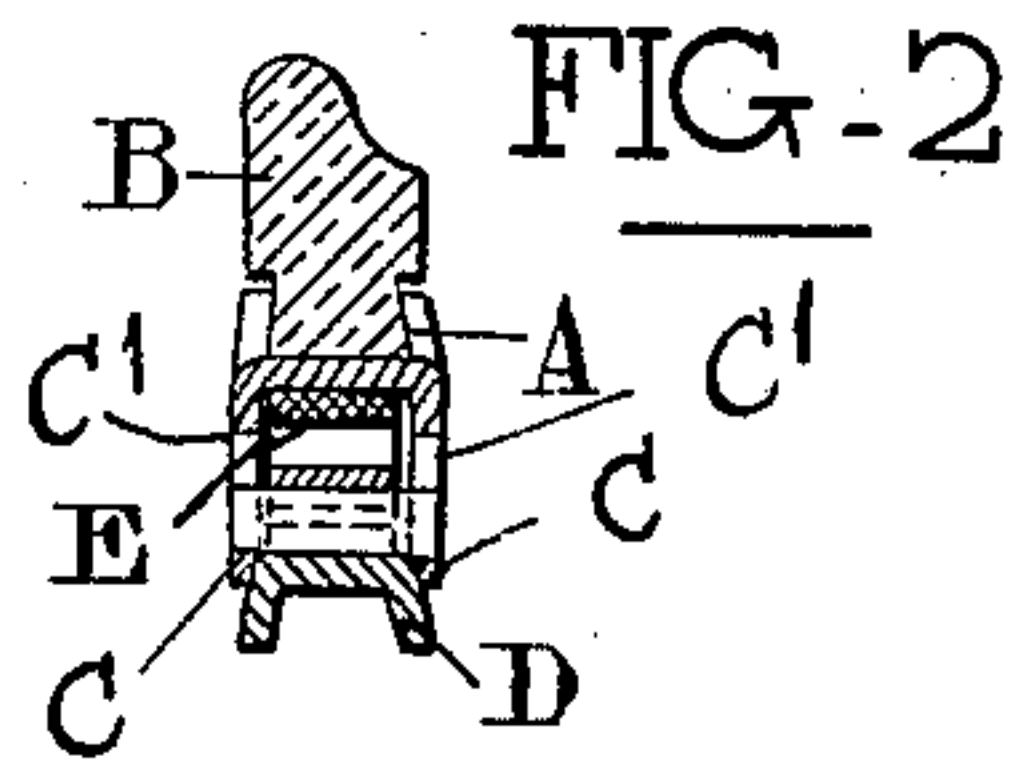
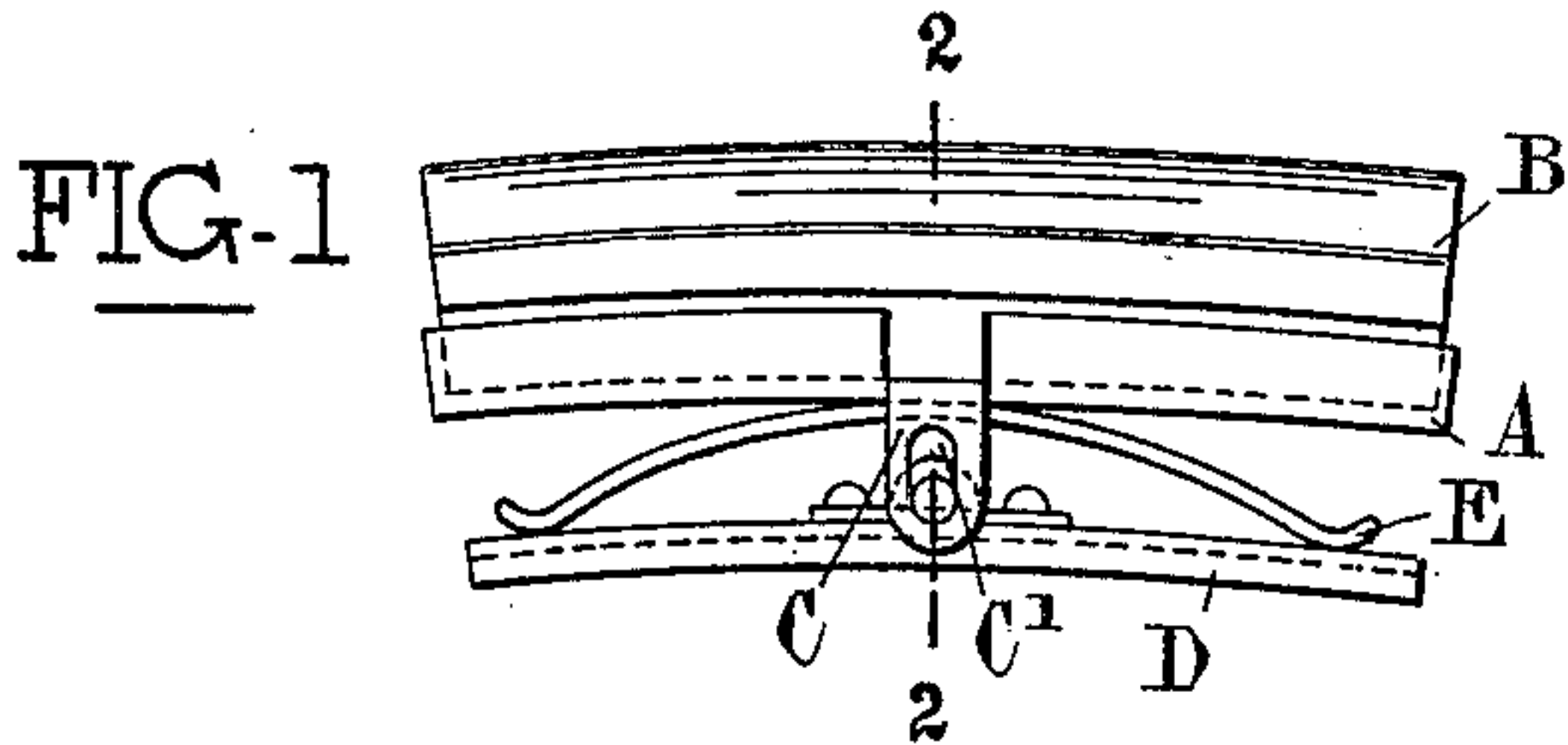
B. PÉDUCASSE.

BRAKE SHOE.

APPLICATION FILED JULY 15, 1907.

923,572.

Patented June 1, 1909.



Witnesses:

A. J. Hadden
S. Ford

Inventor:

B. Péducasse
by *A. J. Hadden*
Attorney.

UNITED STATES PATENT OFFICE.

BERNARD PÉDUCASSE, OF LYON, FRANCE.

BRAKE-SHOE.

No. 923,572.

Specification of Letters Patent.

Patented June 1, 1909.

Application filed July 15, 1907. Serial No. 383,907.

To all whom it may concern:

Be it known that I, BERNARD PÉDUCASSE, a citizen of the French Republic, residing at Lyon, in France, have invented certain new and useful Brake-Shoes, of which the following is a specification.

This invention relates to a special intermediate brake block shoe and attachment intended to be inserted in the ordinary holder which is already found in the rim-brakes and other brakes of cycles. This improved attachment comprises springs, which give the shoe which it carries a certain elasticity enabling it to compensate faults of centering in bicycle and other wheels to which the brake is applied.

Several constructions embodying the invention are shown in the annexed drawing in which—

Figures 1, 3 and 5 are side elevations and Figs. 2, 4 and 6 corresponding cross sections of three different forms of construction.

In the construction shown in Figs. 1 and 2 the shoe A which carries the brake pad B has at its central part two lugs C by means of which it is articulated to the supporting base D, the articulation being effected by means of a pin working in slots C¹, so that the parts have a certain amount of play. Normally the parts are held apart by means of a spring E, which may be laminated or consist of a single strip of metal. Owing to the articulated joint which connects the parts C and D the shoe A can assume inclined positions in order that the brake pad B may fit closely against the rim on which it is to act.

The construction shown in Figs. 3 and 4 differs from that shown in Figs. 1 and 2 by the absence of the articulation, and also with regard to the attachment of the spring E¹. The central part of the latter is fixed to the base D², and one end thereof is fixed to the shoe A⁴, the parts A⁴ and D² being by this means connected to each other. The other end of the spring E¹ is slidable between two small lugs A¹ formed by bending down portions of the sides of the shoe A⁴. Both ends

of the spring may, however, be riveted, clamped or otherwise fixed to the shoe A⁴.

Figs. 5 and 6 show another form of construction, in which the shoe A⁵ has two downwardly projecting pins or studs A², the lower ends of which pass through holes into the base D³ and are prevented by their heads from leaving the same. The said pins or studs also traverse slots A³ near the ends of the spring E², the central part of which is fixed to the part A⁵.

Either of these constructions can be directly fitted into the ordinary brake shoes or holders F as found in brakes as at present constructed, without any modification. The base D or D² or D³ is merely inserted into the ordinary holder F, after the removal of the brake block therefrom. The part D or D² or D³ fits into the part F, and owing to their trapezoidal shape they remain securely connected to each other. To insure more intimate connection between the parts F and D or D² or D³ a spring D¹ is inserted between them as shown in Fig. 5. This very simple arrangement not only gives elasticity to the brake-shoe but also enables it to be deflected to the right or left in order to adapt its position as closely as possible to the shape of the wheel rim.

What I claim as my invention and desire to secure by Letters Patent of the United States is:—

The combination with a brake holder, of a supporting base removably fitting the same, a shoe adapted to receive a brake block carried by the base, a spring between the before mentioned shoe and the said base and means connecting the before mentioned shoe and base, said means permitting of the vibration of the shoe with respect to the base.

In witness whereof I have signed this specification in the presence of two witnesses.

BERNARD PÉDUCASSE.

Witnesses:

JEAN GERMAIN,
GUILLAUME PIOCHE.