

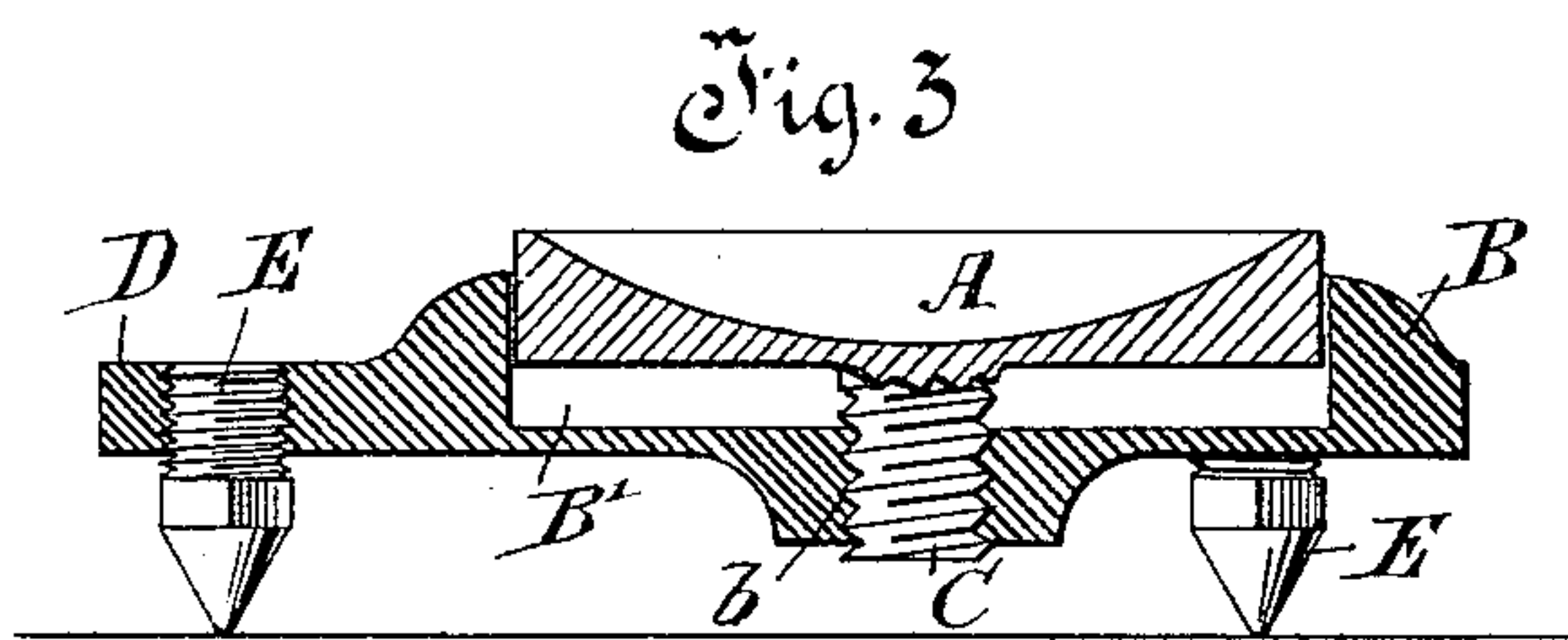
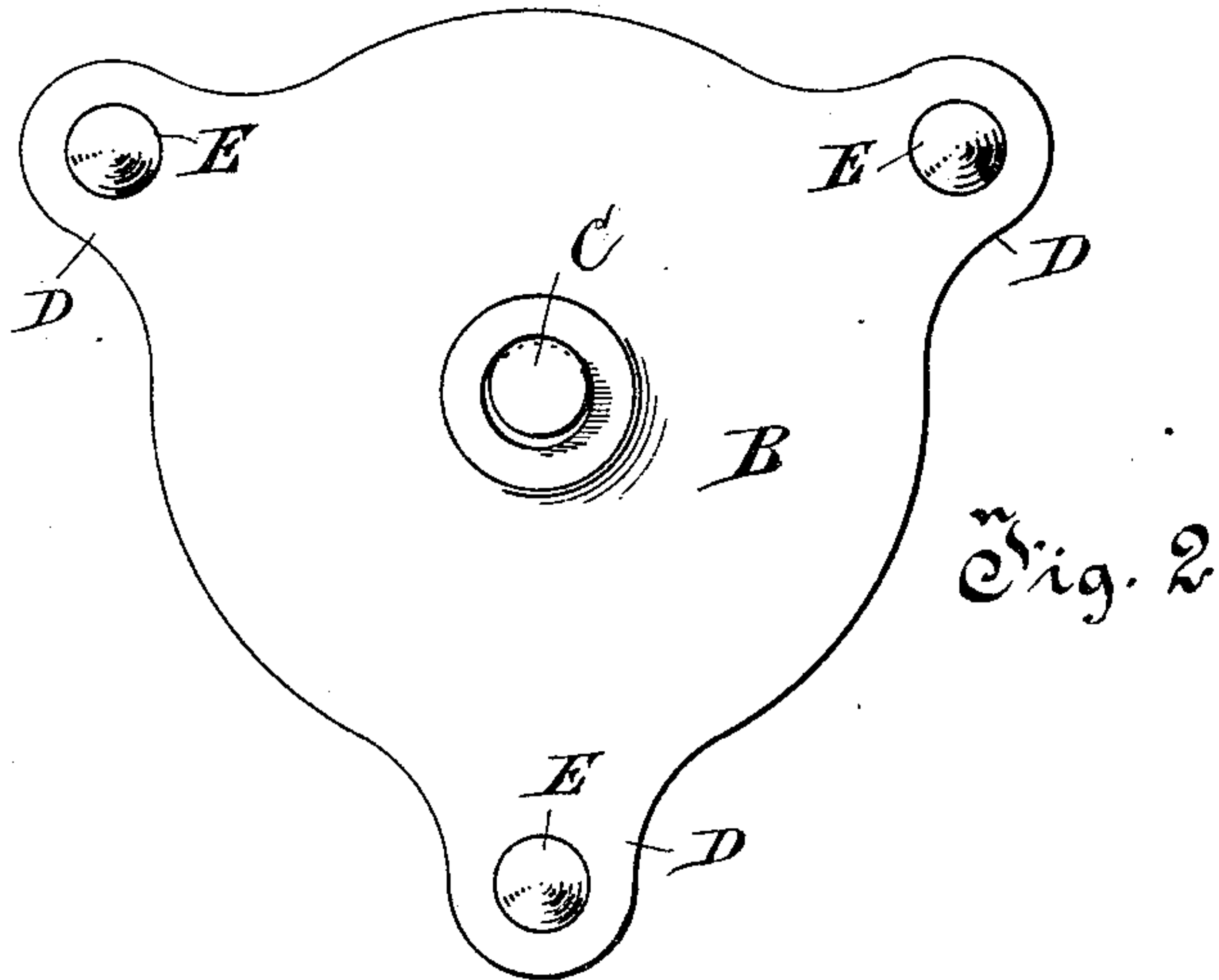
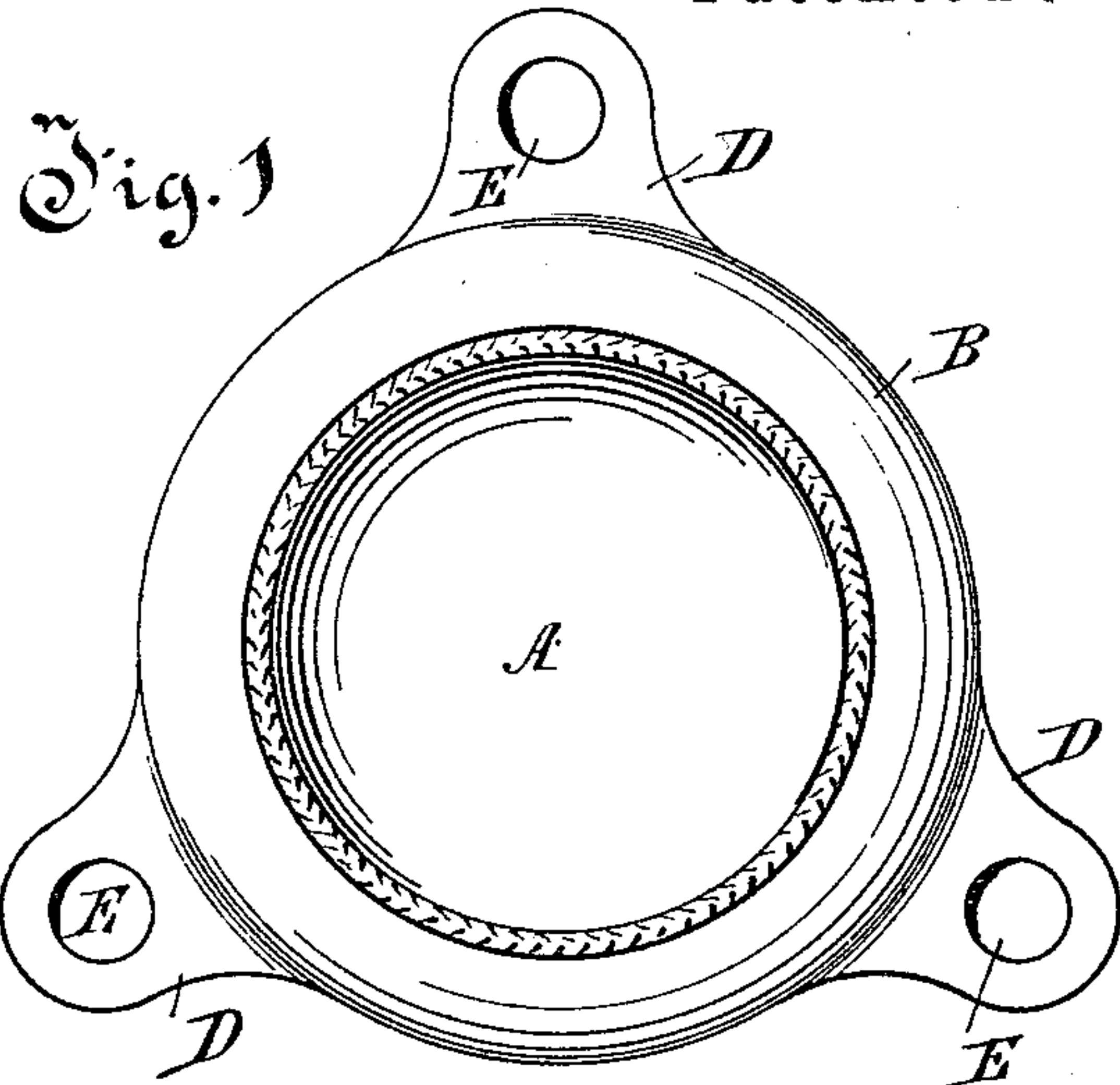
(No Model.)

C. A. GREGORY.

APPARATUS FOR LEVELING BILLIARD TABLES.

No. 344,269.

Patented June 22, 1886.



Witnesses:
Oliver M. Toano
Alex. W. Dow

Inventor
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UNITED STATES PATENT OFFICE.

CHARLES ALEXANDER GREGORY, OF MONTREAL, QUEBEC, CANADA, AS-
SIGNOR OF TWO-THIRDS TO GEORGE DAVELUY, OF SAME PLACE.

APPARATUS FOR LEVELING BILLIARD-TABLES.

SPECIFICATION forming part of Letters Patent No. 344,269, dated June 22, 1886.

Application filed March 2, 1886. Serial No. 193,808. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ALEXANDER GREGORY, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented a certain new and useful Improved Apparatus for Leveling Pianos, Billiard-Tables, and Like Articles; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention has reference to means for bringing to an exact level such articles as pianos, billiard-tables, &c., and performs this by an adjustment of the height of the several legs when they are set up, so as to obviate any irregularities in the floor or inequalities in the height of the legs. It may be described as consisting of a cup of glass or metal, which receives the end of the leg, and from the under side of which projects a screwed pin working in a threaded aperture in the bottom of a dish or stand of desired shape, this stand being supported on pins or studs screwed into its under surface, so that they can be adjusted. For full comprehension, however, of my invention reference must be had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a top view of the device; Fig. 2, a bottom view, and Fig. 3 a sectional elevation of same.

Similar letters of reference indicate like parts.

A is the cup to receive the leg of the piano or billiard-table. This is usually formed of metal or of glass, or of both combined, and set in a seat, B', formed centrally in the stand B. From the under side of A projects downward a screwed pin, C, working in the threaded opening b, formed in the seat B.

D D D are arms projecting out from the stand B, into the under side of which are screwed easily pegs or studs E E E.

The adjustment of the height of the cup A in the seat B' will compensate for any ine-

quality in the length of a piano-leg, so as to bring the top surface perfectly even, and any irregularities of the bearing-surface of the floor may be rectified by the adjustment of the screws E E E.

It must be understood that I do not confine myself to the precise details of construction shown, as these may be varied to suit differing circumstances and requirements without departing from the invention. For instance, four arms may be used instead of three, or all of these be done away with and the supporting-pegs be fixed into a wider rim of the stand B.

Although I have mentioned my invention as being primarily intended for pianos, billiard-tables, and the like, it must be understood that it is applicable in all cases in which it is desired to bring the surface of any stand (such as those for mathematical or philosophical instruments) to a perfect level.

My device is entirely separate from any article of furniture of which it is intended to regulate the level, and, as it calls for no alteration in or addition to the legs of the piano or billiard-table to which it is applied, may be placed in position at any time. In this connection I may say that I am aware of the patent granted to T. Eubank, of September 25, 1883, No. 285,739, which I disclaim.

Having thus described my invention, I beg to state that what I claim is as follows:

1. The combination of the cup A, with screwed projection C, stand B, with arms D, and pins or studs E, screw-threaded into stand, all as and for the purposes described.

2. The combination of the cup A, with pin C, stand B, with threaded hole b, and pins E E E, screw-threaded into stand, all as and for the purposes set forth.

CHARLES ALEXANDER GREGORY.

Witnesses:

FRAS. HY. REYNOLDS,
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