

No. 664,502.

Patented Dec. 25, 1900.

P. H. REARDON.
TRIPOD.

(Application filed Sept. 20, 1899.)

(No Model.)

2 Sheets—Sheet 1.

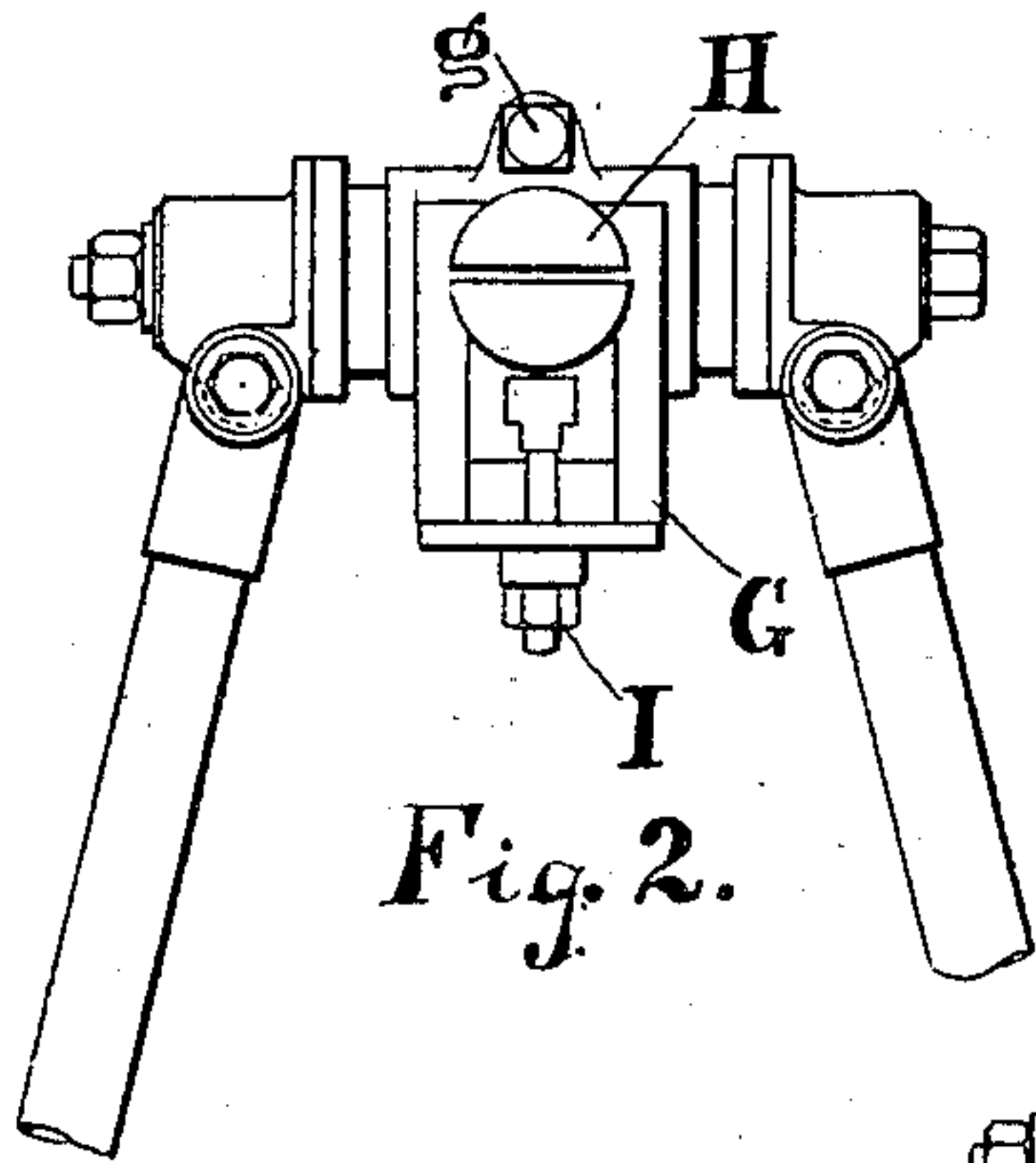
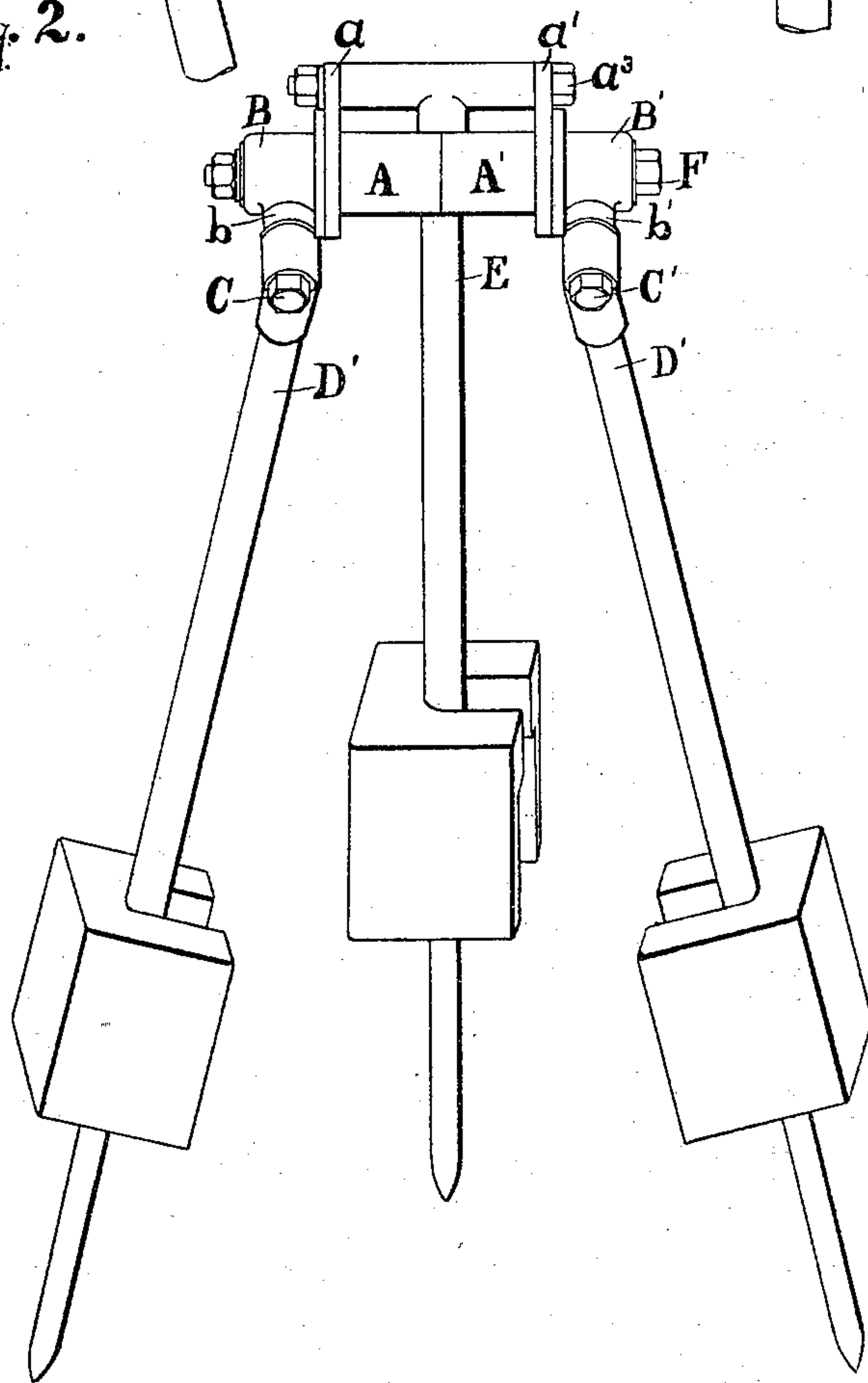
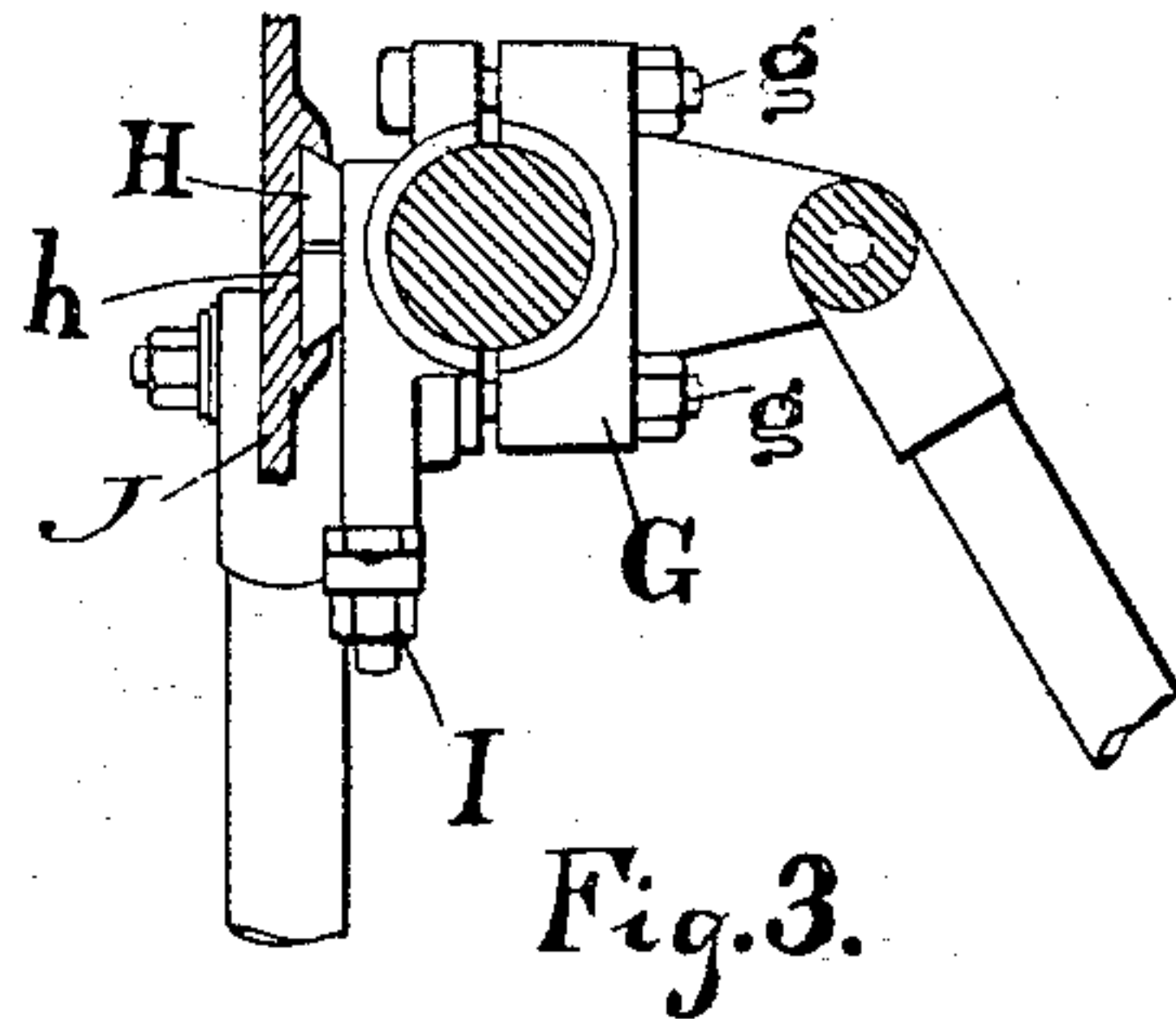


Fig. 1.



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Fig. 4.

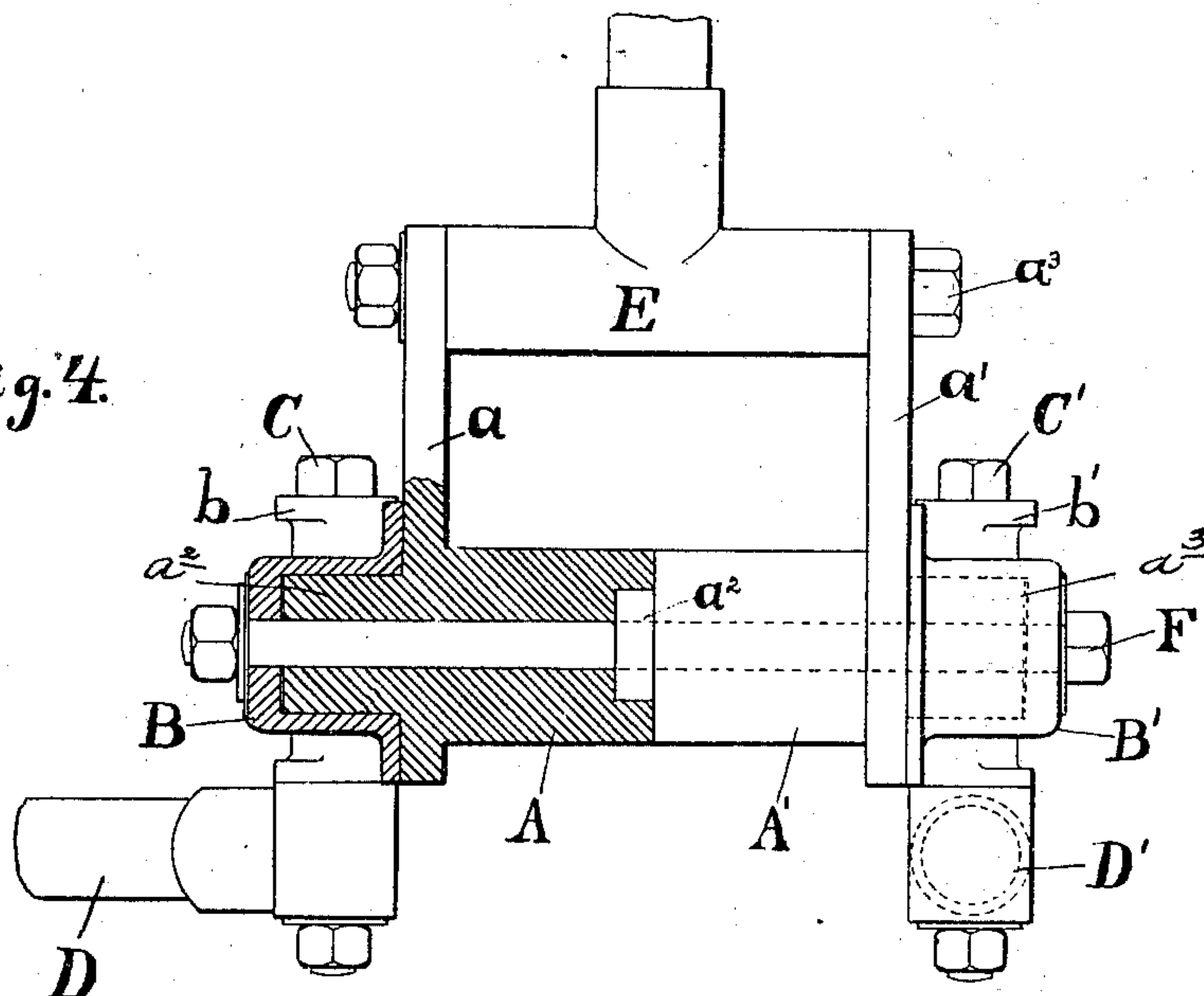


Fig. 5.

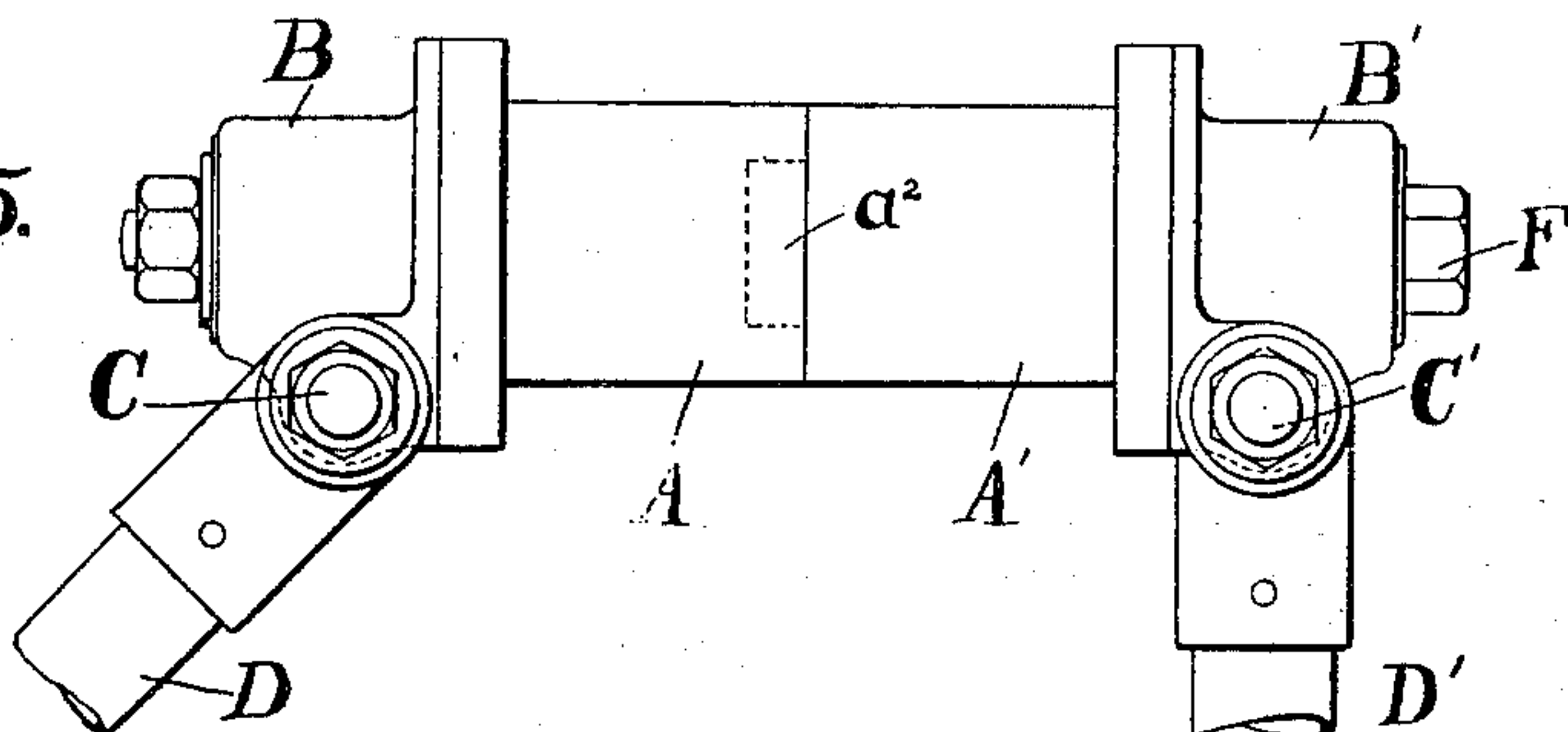
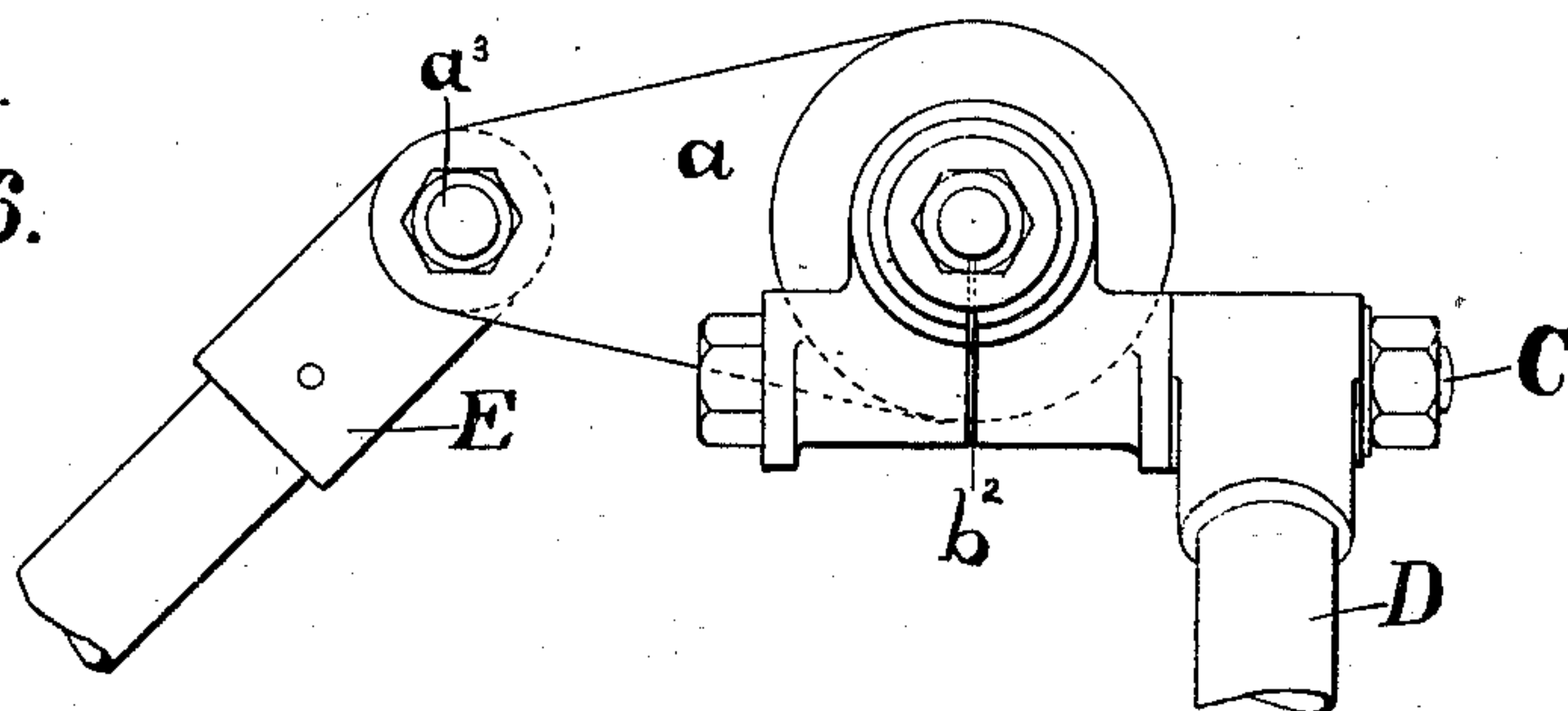


Fig. 6.



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UNITED STATES PATENT OFFICE.

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TRIPOD.

SPECIFICATION forming part of Letters Patent No. 664,502, dated December 25, 1900.

Application filed September 20, 1899. Serial No. 731,075. (No model.)

To all whom it may concern:

Be it known that I, PATRICK H. REARDON, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Tripods; and I do hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a novel tripod for supporting a rock-drill.

Heretofore difficulty has been experienced in this class of devices from the fact that no provision is made for adjustment between the tripod and the drill. In other words, apart from the swing of the drill at its attachment to the tripod other adjustment must be made by moving the tripod-legs. In many instances this is impracticable, thus causing inconvenience and delay. Another objectionable feature in the devices at present in use is that the drill attachment forms an integral portion of the tripod structure. Thus when this part is worn out or broken the whole device is inoperative and useless.

To overcome the stated objections and to provide a simple, cheap, and efficient device of the character mentioned is the object of the present invention. This is accomplished by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the tripod. Fig. 2 is a front view of the upper portion of the tripod with a column-clamp for a rock-drill attached thereto. Fig. 3 is a transverse section of the upper portion of the tripod, showing a column-clamp drill attachment in place thereon and a portion of the drill-back in place on the projection. Fig. 4 is a plan view of the upper portion of the tripod, a portion being in section to more clearly illustrate it. Fig. 5 is a front elevation of the upper portion of the tripod. Fig. 6 is a side elevation of the same.

Referring to the accompanying drawings, A and A', each consisting of a cylindrical bar provided with a projecting arm a and a' , respectively, and the end of one being preferably socketed in the other, as shown at a^2 in Figs. 4 and 5, form together the head of the tripod for the reception of an ordinary column-clamp, such as is employed to attach a rock-drill to a round standard or drill column.

The outer end of A and A' is provided with an integral boss a^2 a^3 , on which is journaled a collar or cap B and B', respectively. These collars or caps B and B' are each provided with a transverse journal-box b and b' , respectively, for the reception of pivot-bolts C and C', on which are journaled legs D and D'. Between the arms a and a' is fitted a T-shaped head E, constituting the upper end of the tripod and forming with the arms a and a' a hinged joint having a hinge-pin formed of the bolt a^3 , which passes through the arms a and a' and the head E. A bolt F passes longitudinally through the bars A and A' and the caps B and B', securing the whole firmly though movably together. The caps or collars B and B' are each radially split, as shown at b^2 in Fig. 6.

G is a column-clamp (shown in position in Figs. 2 and 3) provided with bolts g or other suitable means for securing it upon the cylindrical tripod-head and provided with suitable means for attaching a rock-drill to the clamp, shown in the present instance as a locking boss or projection H. One half of this projection H is movable to and from the other half by means of a bolt and nut I.

J represents a portion of the drill-back provided with a socket for the reception of the locking projection H, Fig. 3.

In operation when it is desired to change a drill from the column or standard and operate it upon a tripod the column-clamp is removed, with or without the drill, and is placed upon the cylindrical head of the tripod, and the device is then ready for operation.

The cylindrical tripod-head is made slightly wider than the column-clamp, thereby permitting of side adjustment of the drill without disarranging any other adjustment than the mere loosening of the column-clamp upon the tripod-head.

In using this tripod I preferably use a column-clamp provided with a projecting boss, as already described, and a rock-drill the shell or back J of which is provided with a pocket adapted to receive the projecting boss of the clamp, so that the drill may be hung securely though loosely upon the projection H, and thus immediately liberate one operative, as all subsequent adjustments are within the power of one operative, as shown in Fig. 3.

Having now described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a support for a rock-drill, the combination of a cylindrical head comprising two parts A and A', each provided with an integral arm, a leg hinged between said arms, each of said parts A and A' having at its outer end an integral boss, a cap adjustably secured to each of said bosses, and a leg hinged to each of said caps and movable at an angle to the plane of movement of the cap, and means for securing said legs, substantially as described.

2. In a support for a rock-drill, the combination of a two-part cylindrical head A, A',

each part having formed integrally therewith a lateral arm and a boss at its end, a split cap journaled on each boss, a bolt F passing through said cylindrical head and caps, a leg having a head journaled between the ends of said lateral arms, a bolt for each of said split caps for clamping the same on its boss and extending at an angle to the bolt F, and a leg journaled on each of said clamping bolts and adapted thereby to be secured in adjusted positions, substantially as described.

PATRICK H. REARDON.

Witnesses:

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