

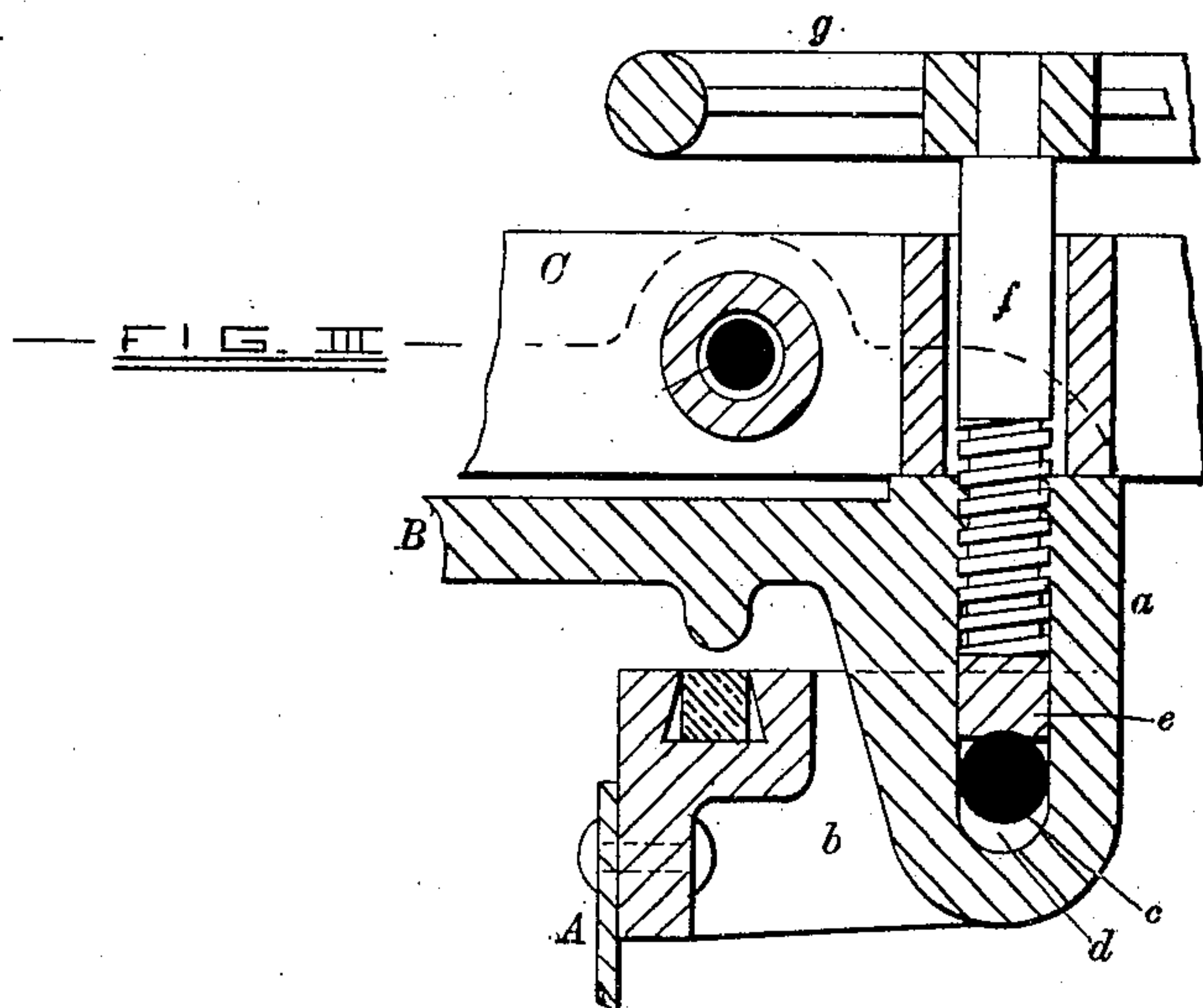
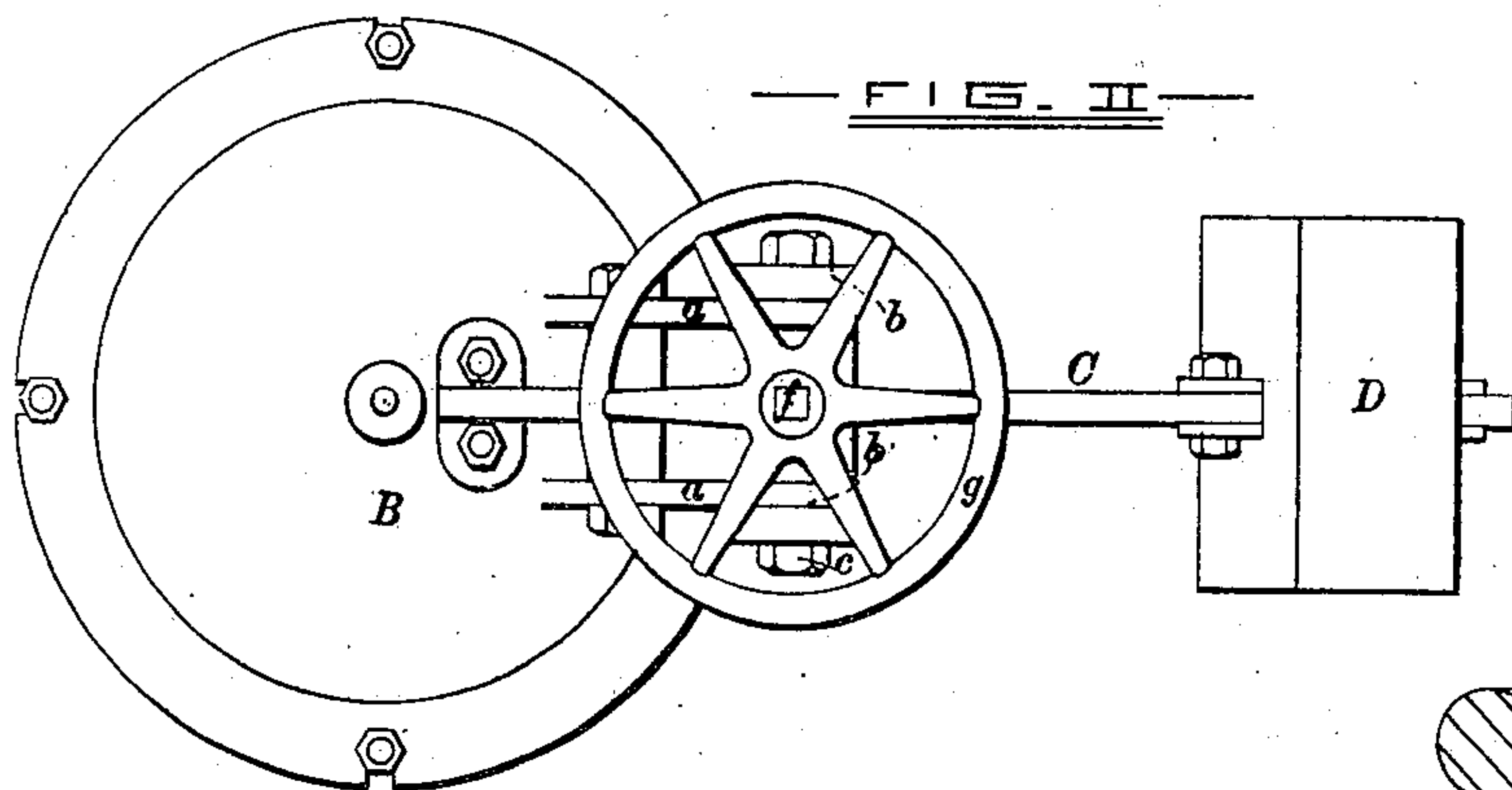
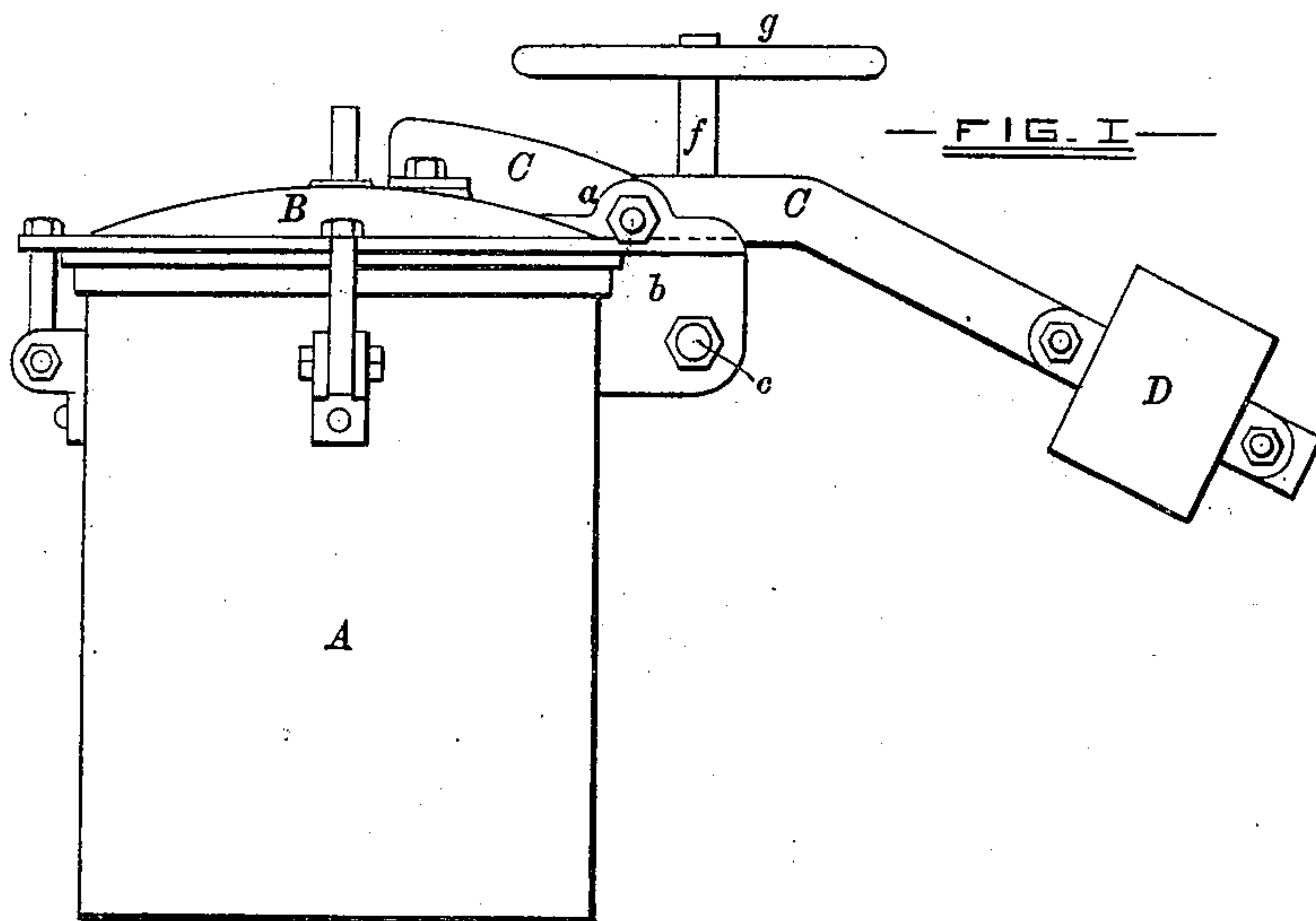
(No Model.)

J. W. BOLLMAN.

PRESERVING KETTLE.

No. 245,437.

Patented Aug. 9, 1881.



— WITNESSES —

W. L. Langley.
Harry V. Albough.

— INVENTOR —

John W. Bollman,
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Att'y.

UNITED STATES PATENT OFFICE.

JOHN W. BOLLMAN, OF BALTIMORE, MARYLAND, ASSIGNOR OF ONE-HALF
TO WENDEL BOLLMAN, OF SAME PLACE.

PRESERVING-KETTLE.

SPECIFICATION forming part of Letters Patent No. 245,437, dated August 9, 1881.

Application filed May 20, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BOLLMAN, of the city of Baltimore, and State of Maryland, have invented certain Improvements in Preserving-Kettles, of which the following is a specification.

This invention relates to certain improvements in a kettle to be used in the process of preserving canned goods; and it consists in providing the hinged top or cover of the kettle with a counterbalancing-weight to facilitate the elevation of the cover after the removal of the bolts which secure the same to the body of the apparatus.

It further consists in combining with the counterbalanced cover an adjustable hinge for the same, whereby the wear of the rubbing-surfaces, which is increased by the addition of the counterpoise, may be taken up, and the pressure of the head on all parts of the gasket forming the joint equalized.

In the further description of my said invention which follows reference is made to the accompanying drawings, forming a part hereof, and in which—

Figure I is an exterior elevation of the improved kettle. Fig. II is a plan of the same. Fig. III is a sectional view of a part of the invention on an enlarged scale.

Similar letters of reference indicate similar parts in all the views.

A is the body, and B is the hinged lid, of the kettle. The hinge proper consists of two members, one, *a*, forming a part of the lid, and the

other, *b*, a part of the body, and the said members are connected by means of a bolt or pin, *c*. The hole *d* in the member *a* of the hinge is elongated and a block, *e*, fitted therein. The bolt or pin *c* is in contact with the under side of the block *e*, and the vertical position of the block and the lid near to the hinge is adjusted by means of a screw-bolt, *f*, as shown in the drawings. The bolt *f* is turned through the medium of a hand-wheel, *g*.

C is a lever secured to the top of the lid and to the member *a* of the hinge, to which a counterbalancing-weight, D, is fastened in any suitable manner. The weight D is adjusted on the lever so as to counterpoise the lid B; consequently the lid may be opened without applying thereto tackle or any other devices commonly used in raising heavy weights.

The employment of a counterpoise on the hinged lid necessarily increases the weight on the rubbing surfaces of the hinge, and if no means were used to take up wear of the hinge, in view of the increased friction, the portion of the lid near to the hinge would crush in the packing material which forms the joint.

I claim as my invention—

In a preserving-kettle, the lid thereof, provided with a counterbalancing-weight or counterpoise and adjustably hinged to the body, substantially as and for the purpose specified.

JOHN W. BOLLMAN.

Witnesses:

E. O. MILLER,
R. W. CARR.