

# UNITED STATES PATENT OFFICE.

JAMES P. GILLESPIE, OF SAN FRANCISCO, CALIFORNIA.

IMPROVEMENT IN ATMOSPHERIC-PRESSURE ATTACHMENTS FOR DENTAL-PLATES.

Specification forming part of Letters Patent No. 115,951, dated June 13, 1871.

*To all whom it may concern:*

Be it known that I, JAMES P. GILLESPIE, of the city and county of San Francisco, State of California, have invented an Improved Atmospheric-Pressure Attachment for Dental-Plates; and I do hereby declare that the following description and accompanying drawing are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement without further invention or experiment.

The nature of my invention and improvements in dental-plates, provided with a flexible disk to hold or retain them in place in the mouth, consists in corrugating or grooving the side of the disk next to the plate, or corrugating the plate under the disk, so that the disk will not adhere to the plate by suction.

In the accompanying drawing, Figure 1 is a plan of a dental-plate with the disk attached. Fig. 2 is a section of the same. Fig. 3 is the under side of the disk.

In the drawing, A is a dental-plate, provid-

ed with a cavity, *b*, to receive the flexible disk *a* of India rubber or other suitable material. The disk has a rivet, *i*, through the center to fasten it to the plate A, as shown in section, Fig. 2. The disk *a* is corrugated or grooved on the under side next to the plate to prevent the disk from adhering to the plate by suction; or the cavity in the plate may be corrugated for the same purpose. The disk *a* is made small enough to be a little loose in the cavity *b*, so that its edges will lift freely and easily when the disk adheres to the palate to prevent the plate from dropping from the palate.

I do not claim, broadly, a dental-plate provided with a flexible disk; but

What I do claim is—

Corrugating the flexible disk on the side next to the plate, or corrugating the plate under the disk.

JAMES P. GILLESPIE. [L. S.]

Witnesses:

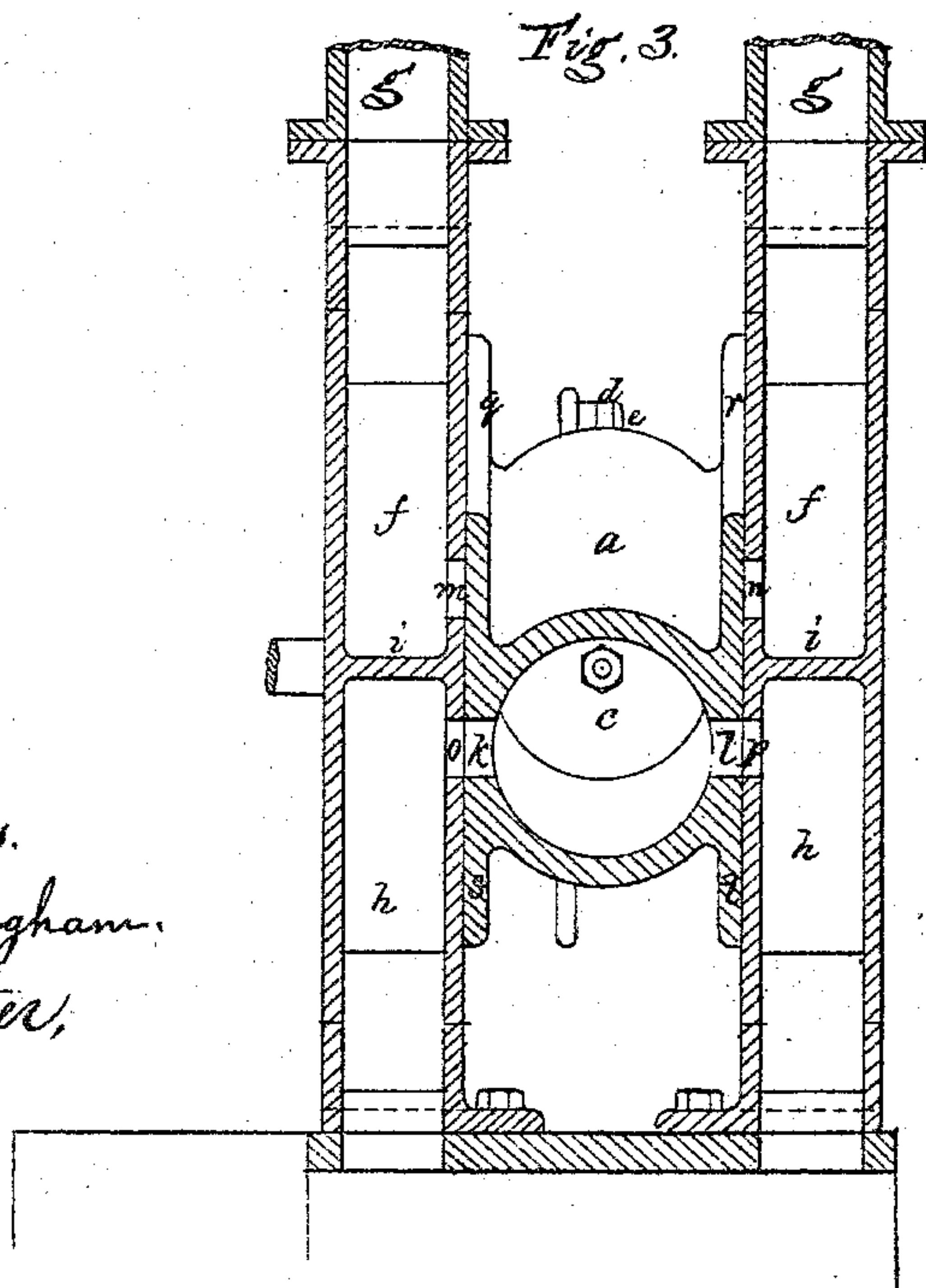
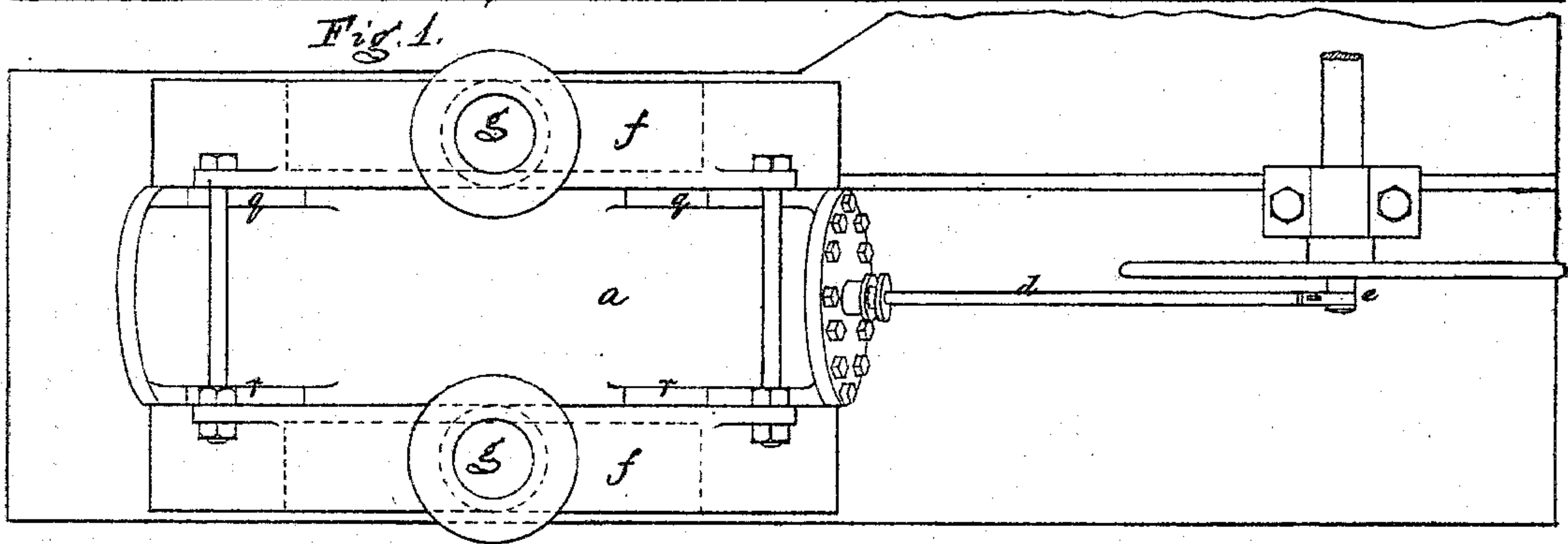
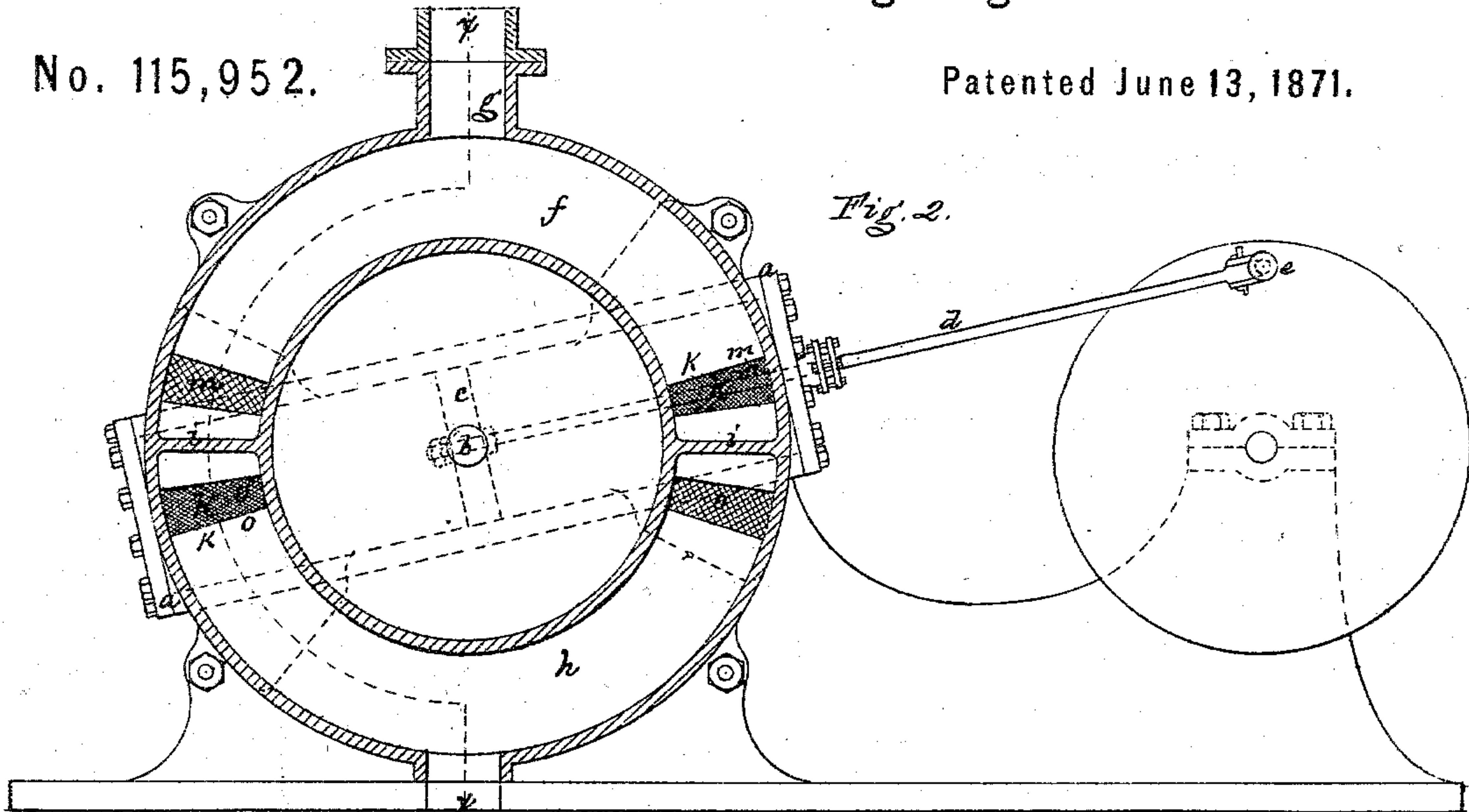
G. FITZGERALD,  
GEO. H. STRONG.

JOHN GOULDING.

Improvement in Oscillating Engines.

No. 115,952.

Patented June 13, 1871.



Witnesses.  
 Me. W. Frothingham,  
 L. H. Latimer,

John Goulding  
 By his Attys  
 Crosby & Gould