

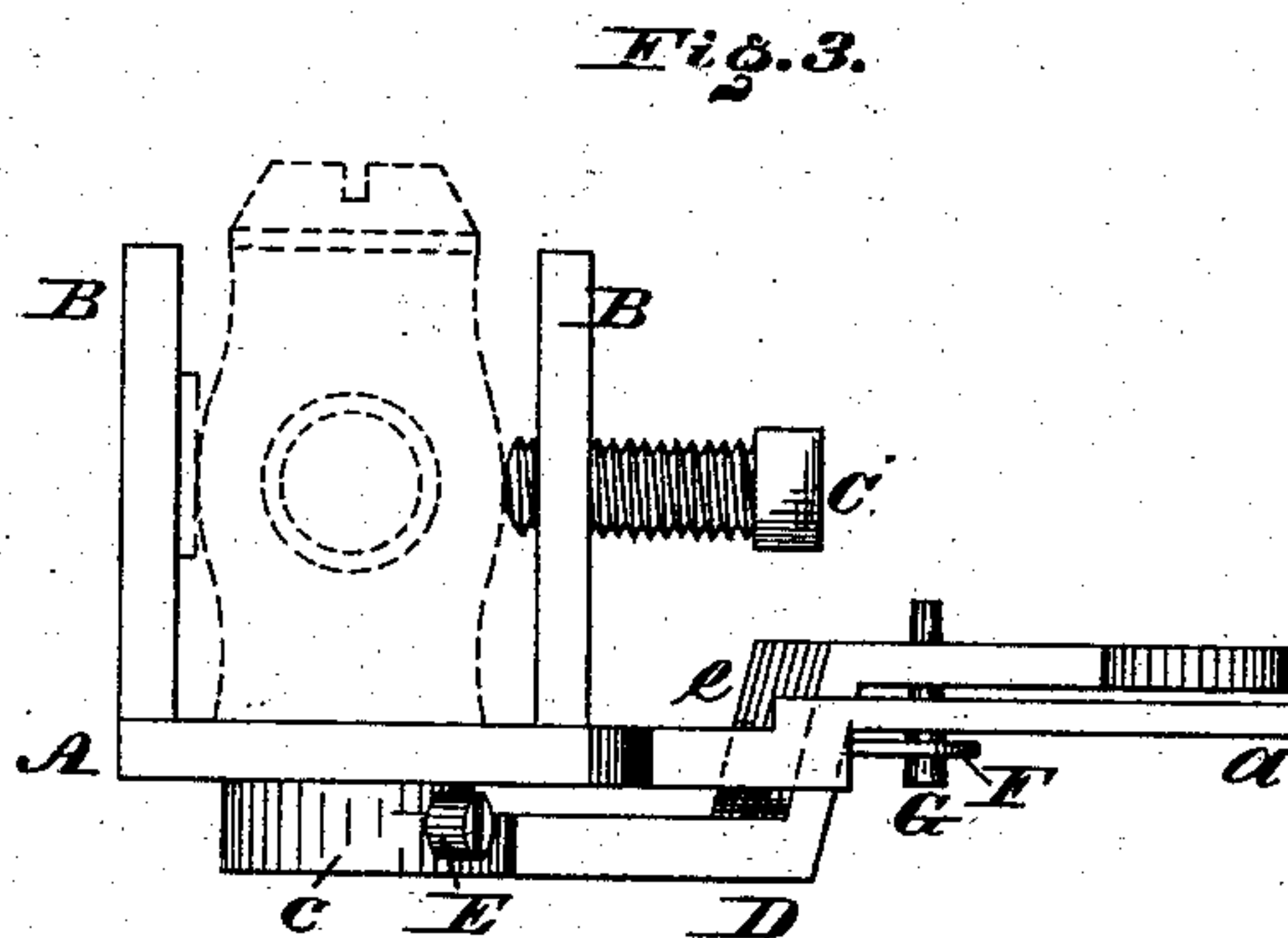
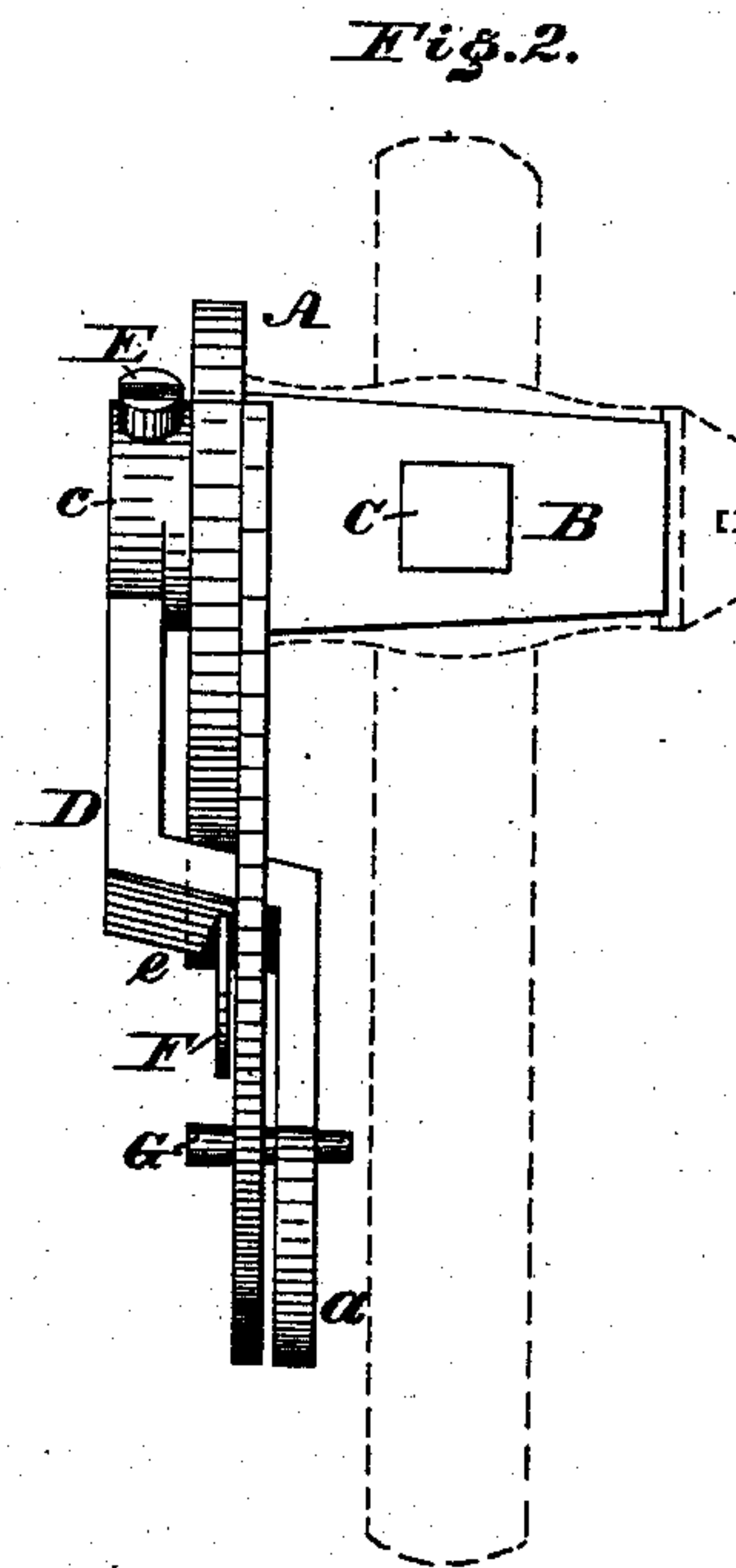
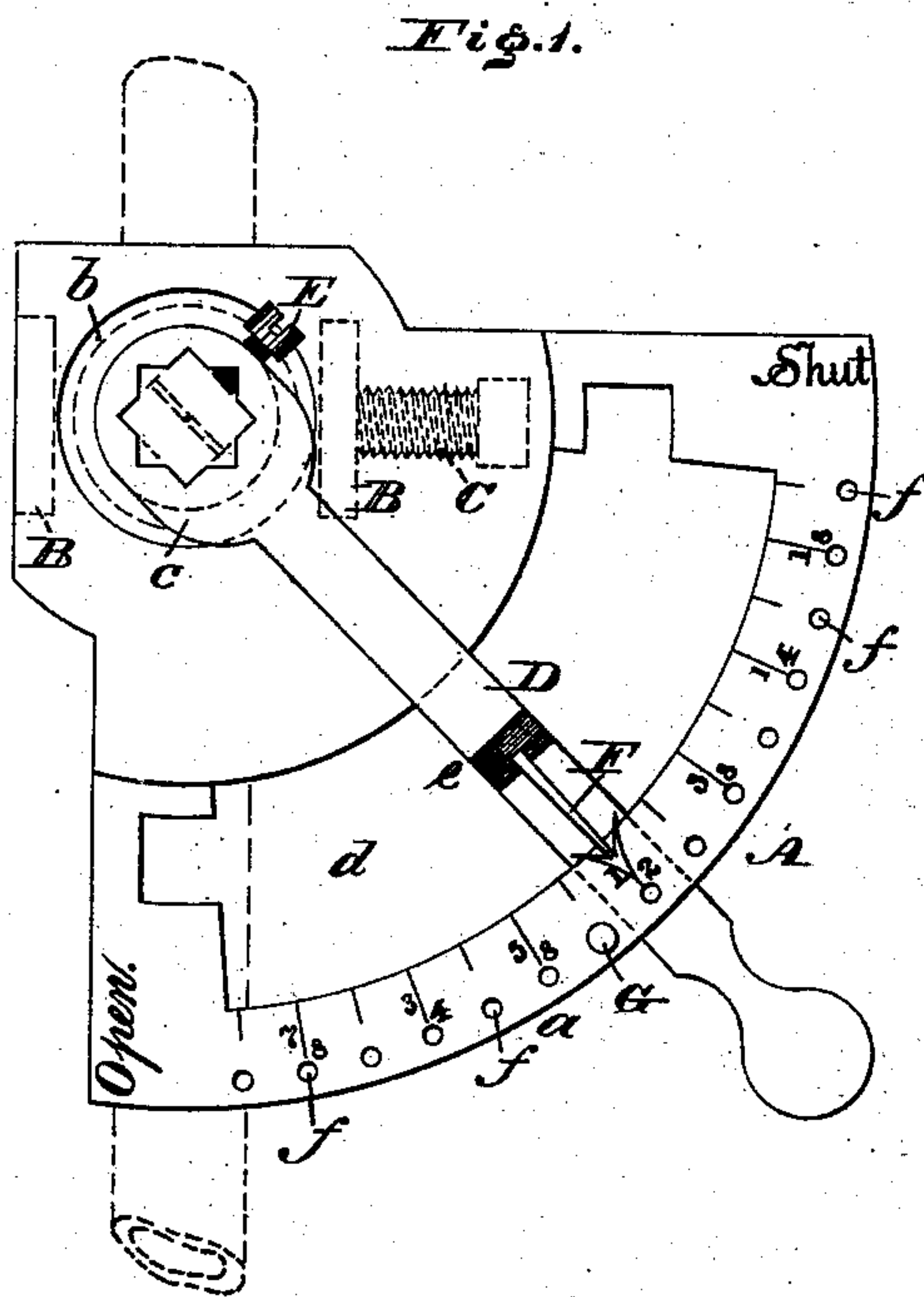
(No Model.)

A. E. COHN.

# REGULATOR FOR GAS AND WATER.

No. 292,536.

Patented Jan. 29, 1884.



WITNESSES:

A. P. Grant,  
H. F. Kircher

INVENTOR:

INVENTOR:  
*Abraham C. Cohn,*  
BY *John A. Diederheim.*  
ATTORNEY.

N. PETERS, Photo-Lithographer, Washington, D. C.



# UNITED STATES PATENT OFFICE.

ABRAHAM E. COHN, OF PHILADELPHIA, PA., ASSIGNOR OF ONE-THIRD TO  
LEVI SIMON AND EDWIN S. SIMON, BOTH OF SAME PLACE.

## REGULATOR FOR GAS AND WATER.

SPECIFICATION forming part of Letters Patent No. 292,536, dated January 29, 1884.

Application filed April 13, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM E. COHN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Regulators for Gas and Water, which improvement is fully set forth in the following specification and accompanying drawings, in which—

10 Figure 1 is a front view of a regulator embodying my invention. Fig. 2 is a side elevation thereof. Fig. 3 is a top view thereof.

Similar letters of reference indicate corresponding parts in the several figures.

15 My invention consists of a device for regulating the amount of gas or water entering a meter or service-pipe, the construction and advantages being hereinafter fully set forth.

Referring to the drawings, A represents a 20 quadrant, formed of metal or other durable material, having a graduated peripheral rim, *a*, and an opening, *b*, at the place from which the periphery is described. Projecting rearward from the quadrant, at the sides of the 25 opening *b*, are lugs B, which are adapted to circumscribe the cock of a gas or water pipe, as shown in dotted lines, one of the lugs B having fitted to it a screw, C, for tightening the quadrant on said cock. A screw may, 30 however, be provided for each lug, if desired or required.

D represents a key or lever, which has a boss, *c*, for engaging with the plug of the gas or water cock, said boss having a screw, E, 35 whereby the key or lever may be tightened on said plug. The portion of the quadrant within the peripheral rim *a* is cut away, forming a circular slot, *d*, and the adjacent portion of the lever D is bent and passed through the slot, 40 so that the handle end of said lever is behind the rim *a*. To the bend *e* of the lever is firmly secured an index or finger, F, which appears on the front of the peripheral rim and sweeps over the graduations thereof.

45 The operation is as follows: The lugs B are applied to the cock of the pipe so as to straddle the same, and the screw C is tightened, whereby the quadrant is securely held in position. The lever D is now fitted to the plug 50 of the cock and the screw E tightened thereagainst, whereby said lever is securely held in position, the index F and end of the lever be-

ing located as has been stated. The lever may now be turned so as to open or shut the cock to partial or entire extent or intermediate portions, it being evident that in the case of gas 55 the pressure of the same may be regulated with nicety, whereby the meter may register with more correctness, and when the gas is entirely shut off leakage within the house and registra- 60 tion of the escaping gas are avoided.

In the peripheral rim of the quadrant is a row of openings, *f*, into either of which may be placed a pin, G, whereby the extent of motion of the lever D may be limited with cer- 65 tainty—a feature important where gas is raised and lowered at different times, as in halls, places of amusement, churches, &c.

It will be seen that the regulator presented is simple, inexpensive, and easily applied and 70 removed. In practice the key or lever D, being removable, has its boss *c* adapted to fit the head of the screw C, thus serving as a wrench for tightening and loosening the latter, whereby when one changes his residence he may dis- 75 connect the regulator and affix it without difficulty to the new locality, no special tools or appliances being required therefor, there being no interference with the service-pipe or meter or change in the arrangement thereof. 80

As only the index F appears on the face of the quadrant, the graduations thereof appear to the best advantage, being unobscured.

Having thus described my invention, what I claim as new, and desire to secure by Letters 85 Patent, is—

1. In a regulator for gas, &c., a quadrant having a circular row of openings and the key or lever operating the plug of the cock, in combination with a removable pin, G, sub- 90 stantially as and for the purpose set forth.

2. A regulator for gas, &c., consisting of a quadrant with a graduated rim and attaching-lugs, a securing-screw, a lever or key, an index, and a removable pin, said lever having 95 its handle end and the connected index on opposite sides of the rim of the quadrant, and said rim having a circular row of openings for said pin, substantially as and for the purpose set forth.

A. E. COHN.

Witnesses:

JOHN A. WIEDERSHEIM,  
ELLWOOD S. LINN.