

H. BROEZEL.
Parlor Fountain.

No. 121,580.

Patented Dec. 5, 1871.

Fig. 1.

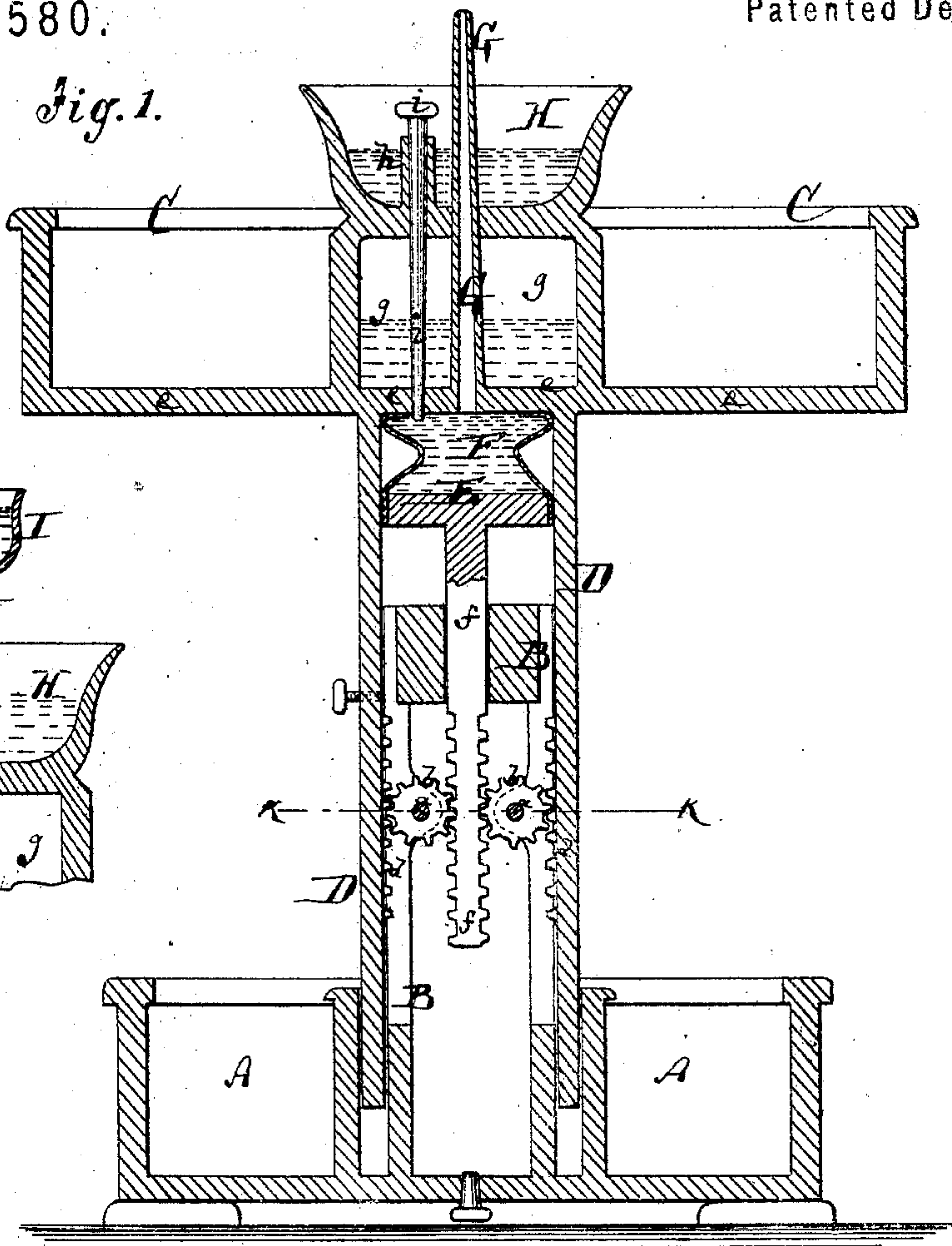


Fig. 3.

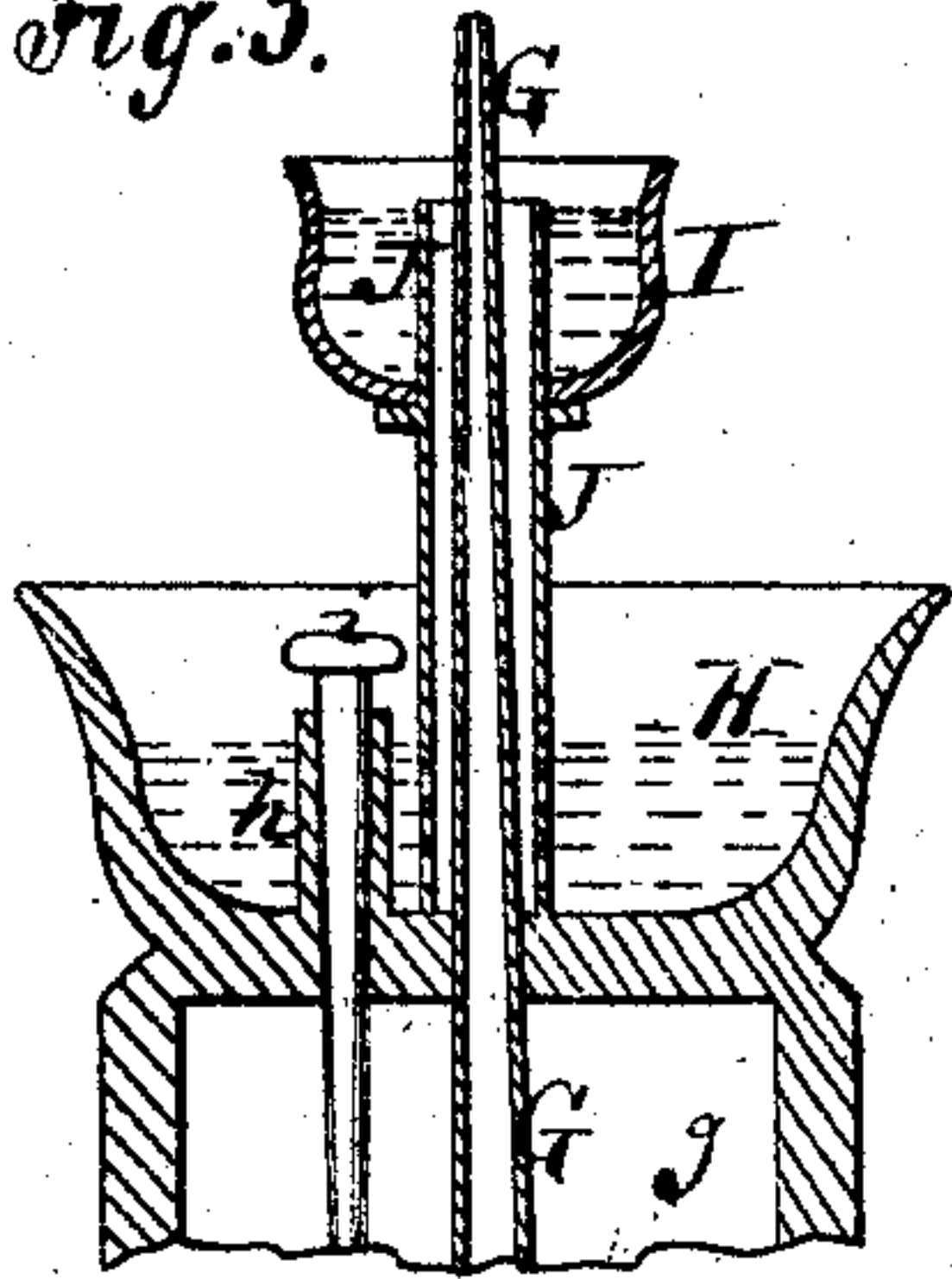
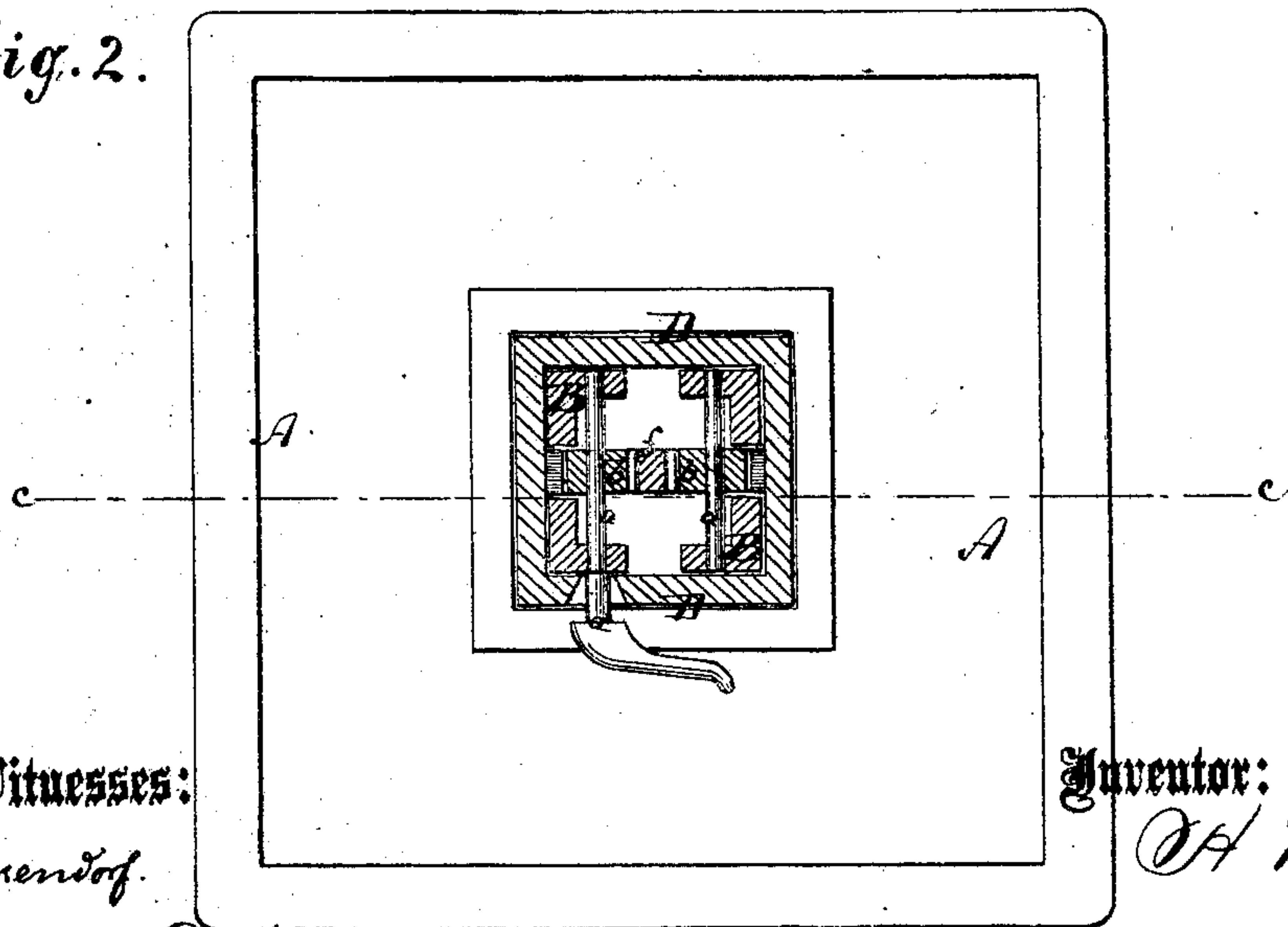


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

HENRY BROEZEL, OF MAUSTON, WISCONSIN.

IMPROVEMENT IN FOUNTAINS.

Specification forming part of Letters Patent No. 121,580, dated December 5, 1871.

To all whom it may concern:

Be it known that I, HENRY BROEZEL, of Mauston, in the county of Juneau and State of Wisconsin, have invented a new and Improved Parlor-Fountain, of which the following is a specification:

Figure 1 represents a vertical central section of my improved parlor-fountain taken on the plane of the line *c c*, Fig. 2. Fig. 2 is a horizontal section of the same on the line *k k*, Fig. 1. Fig. 3 is a detail vertical section of a modification of the upper portion.

Similar letters of reference indicate corresponding parts.

My invention is an improvement upon the artificial fountain for which Letters Patent of the United States were issued to A. P. YATES, May 31, 1870. The improvement consists, mainly, in arranging the flexible or compressible water-reservoir in the upper end of a tubular or hollow standard for the purpose of bringing it nearer the place or point of discharge of the water, to avoid taking up the space within the base or pedestal that would be perfectly employed to contain flowers or other ornaments to cause the descent of the fountain-top to assist in expelling the water from the flexible reservoir, and to avoid forming rack-teeth on the outside of the standard or pillar, where they are constantly exposed to view.

A, in the drawing, represents the base or support of the fountain. It is made in form of a box of suitable shape to be adapted for the reception of flowers. From its center projects a vertical post, B, in which two parallel arbors *a a* carrying pinions *b b* have their bearings. C is the fountain-top, made also in form of a box, for the reception of flowers, and provided with a pendent hollow pillar, D, which slides over the post B, concealing the same, as shown. Toothed racks *d d*, formed on the inner side of the pillar, mesh into the pinions *b b*. E is a plunger interposed between the bottom *e* of the box C and the upper end of the post B. A toothed bar, *f*, projecting downward from the plunger, enters between the two pinions *b* and is in gear therewith. A flexible water-reservoir, F, made of leather, rubber, or other fabric, is placed within the pillar on

top of the plunger, and communicates by an aperture in its top with the vertical discharge-pipe G, and by another aperture with a water-chamber, *g*, above. This water-chamber *g* is formed in the middle of the box C under the basin H into which basin the water escaping from the pipe G flows. The water escapes from the basin H by an overflow-pipe, *h*, to the chamber *g*, and thence to the flexible reservoir F. By turning one of the pinions *b* by means of a crank or key applied to its arbor the top C with all appendages can be raised and the plunger at the same time lowered, so that the flexible reservoir will be drawn out and enlarged for a full supply of water from the chamber *g*. When the top has been thus elevated, it is allowed to descend by its own weight. This will, by its connection with the pinions, produce a simultaneous ascent of the plunger and a consequent compression of the flexible reservoir. The water is thereby forced up through the pipe G, making the desired display, and falls back to the basin, whence it flows again to the flexible reservoir, replenishing the same, and retarding the downward motion of the top without interfering with the continuation of display. Springs may, if desired, be placed between the top of the post and the plunger to ease the motion of the latter. Fig. 3 represents a glass globe, I, applied around the pipe G for the reception of fish or other display. It is supported by a tube, J, which extends up to form the overflow, and is perforated at the lower end, as shown. *i* is a valve for regulating the flow of water from the basin to the chamber G and thence to the flexible reservoir.

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

The flexible water-reservoir F, plunger E provided with the toothed-bar *f*, the pinions *b b*, and racks *d d* arranged within the pillar D carrying the top C having pipe G, as and for the purpose specified.

HENRY BROEZEL.

Witnesses:

CHARLES H. GROTE,
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