

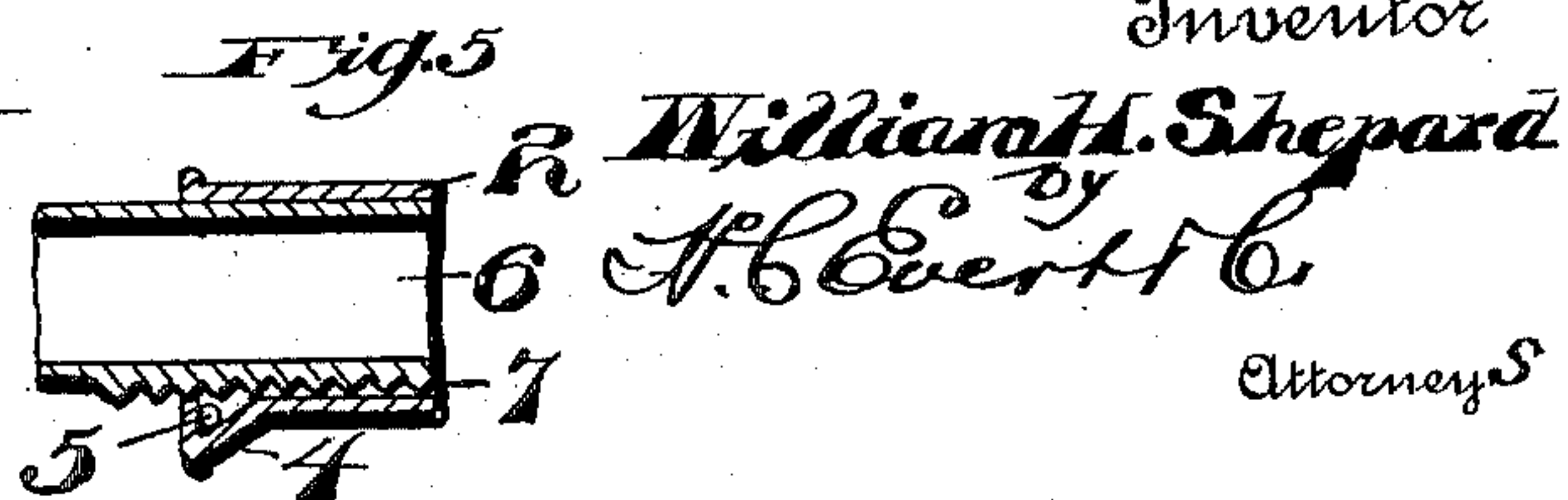
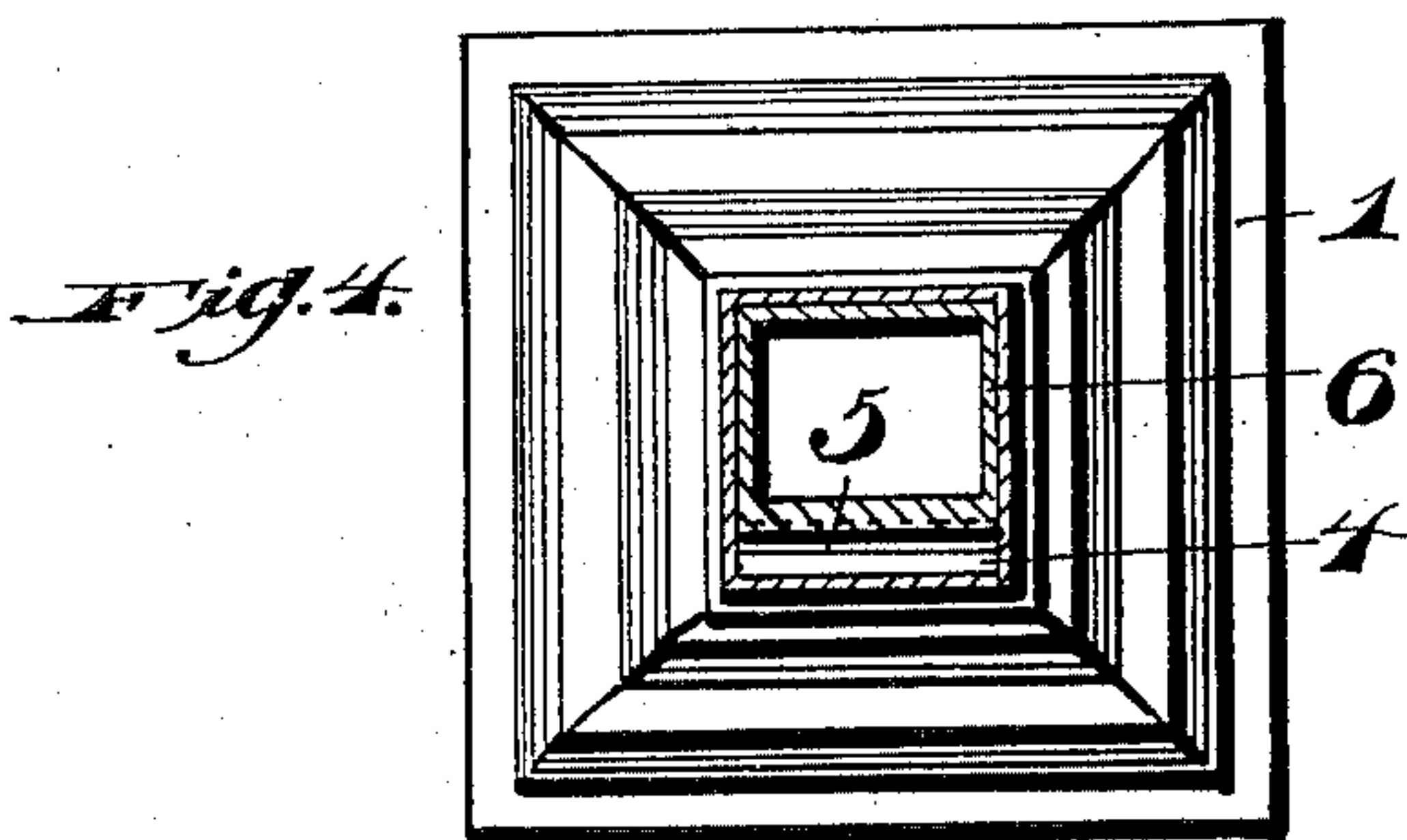
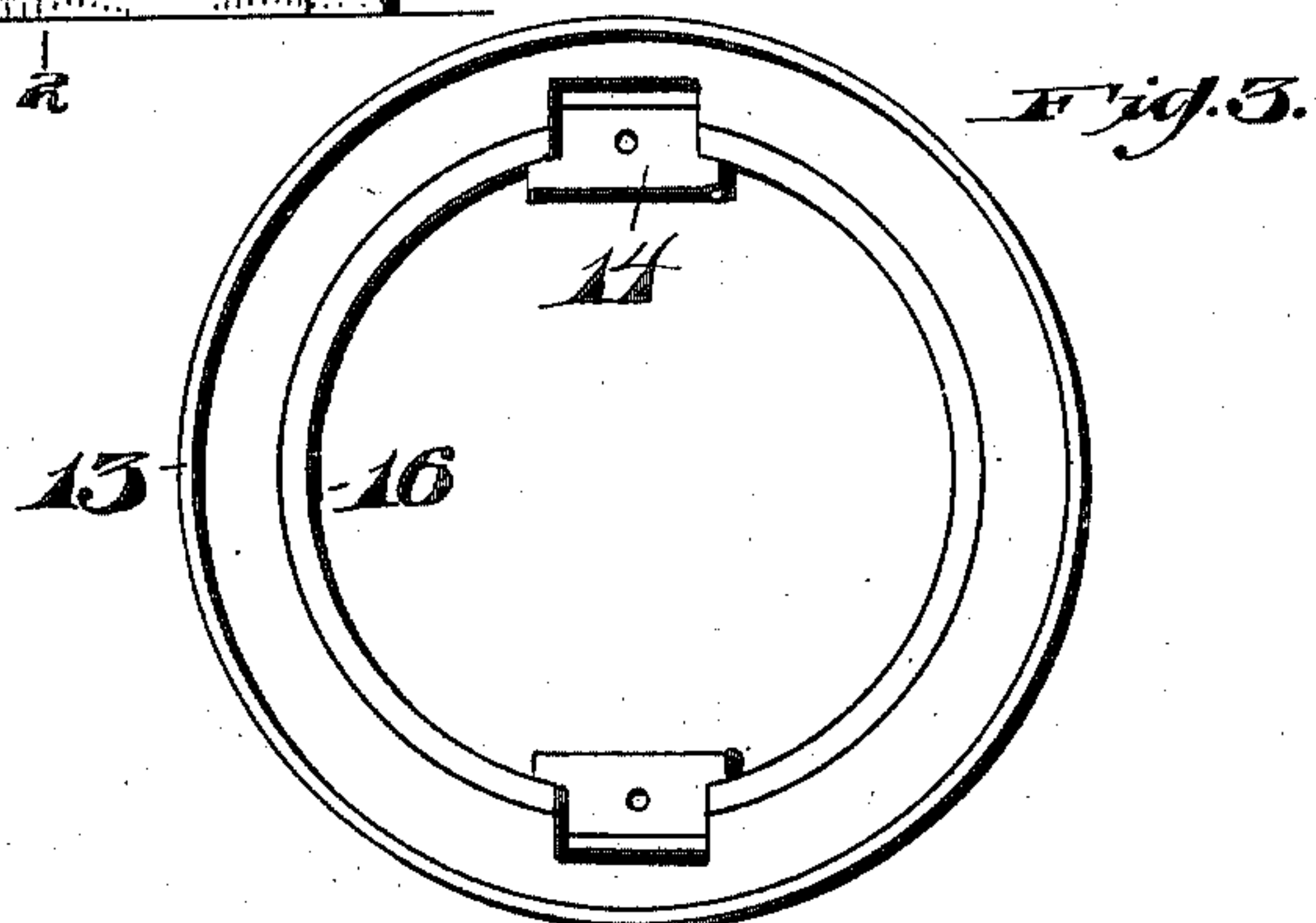
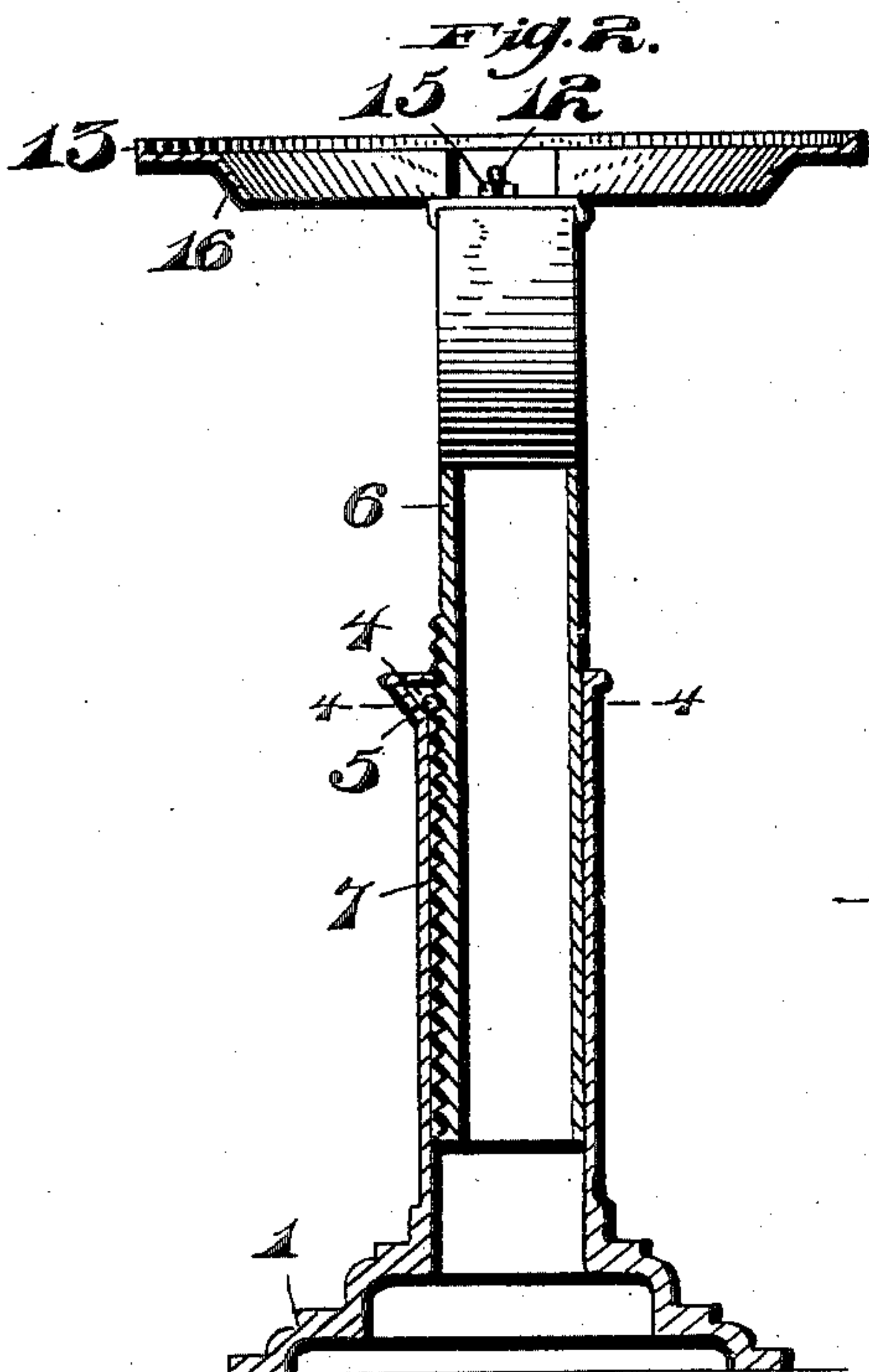
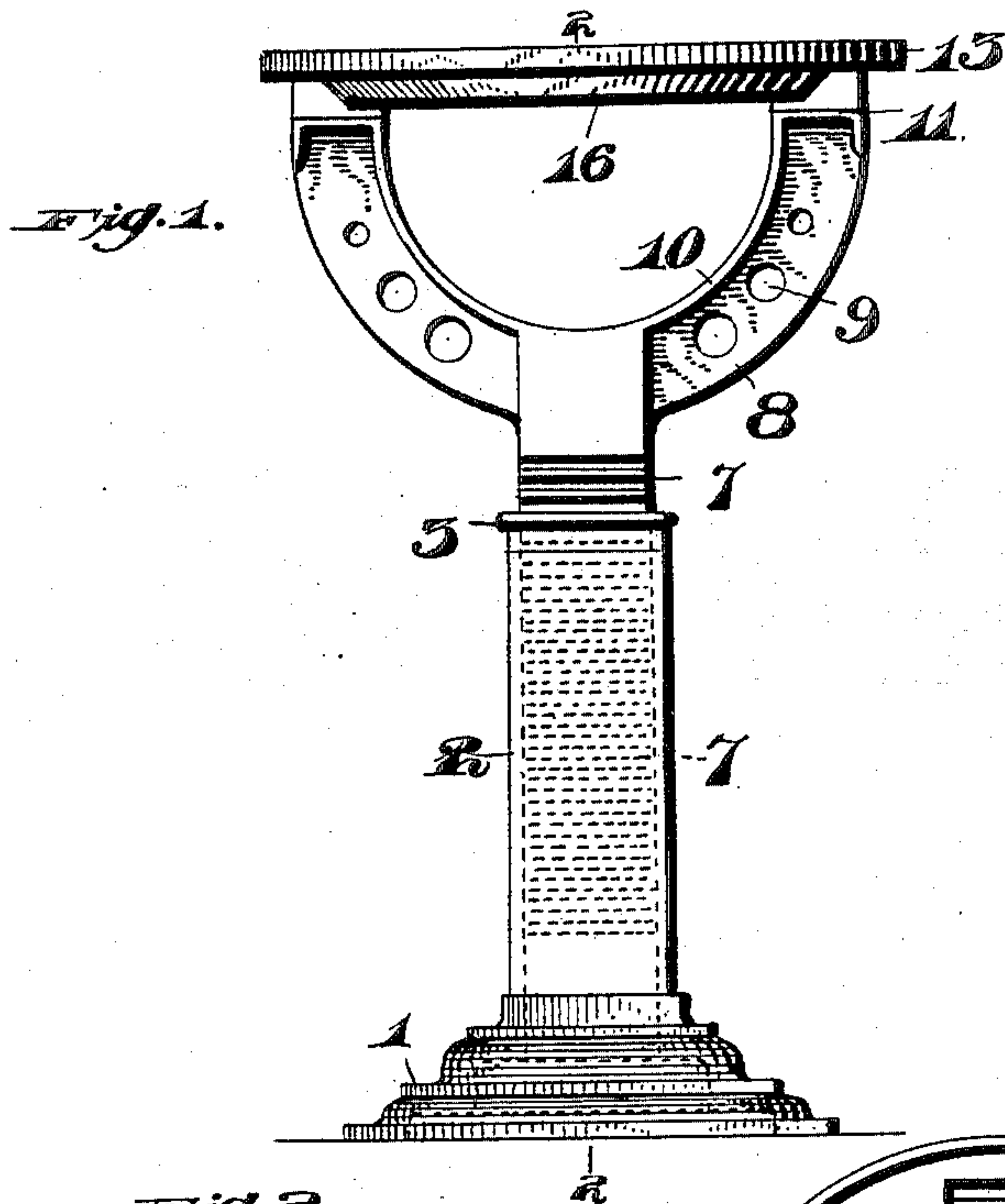
No. 659,938.

Patented Oct. 16, 1900.

W. H. SHEPARD.
ADJUSTABLE RANGE BOILER STAND.

(Application filed Mar. 20, 1900.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM H. SHEPARD, OF ALLEGHENY, PENNSYLVANIA.

ADJUSTABLE RANGE-BOILER STAND.

SPECIFICATION forming part of Letters Patent No. 659,938, dated October 16, 1900.

Application filed March 20, 1900. Serial No. 9,401. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. SHEPARD, a citizen of the United States of America, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Adjustable Range-Boiler Stands, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in adjustable boiler-stands, and is particularly adapted for use in connection with range-boilers.

In the adjustment of range-boilers to obtain a complete circulation of hot water it is always necessary to arrange the boiler above the top of the range, which, owing to the varying heights of ranges, causes any amount of inconvenience in obtaining a supporting-stand for the boiler to meet the proper requirements, as in some cases the stand is blocked up from the base, and in other cases it is necessary to take the stand entirely apart to adjust the same to its proper position. In both instances the same are objectionable and inconvenient, especially in the amount of time consumed to adjust and block up the stand. This invention aims to overcome these various objections by constructing an adjustable stand for supporting a boiler, and which consists of a suitable hollow base provided with a hollow rigid standard, in which operates a vertically-adjustable hollow standard carrying a supporting yoke and ring for the boiler. The rigid standard has arranged at its upper end a pocket, in which is seated a locking-pin engaging a series of teeth formed upon the adjustable standard for securing the same in a rigid position when the same is adjusted.

The invention further aims to construct an adjustable stand for range-boilers which shall be extremely simple in construction, strong, durable, efficient, lighter in weight than the stands now in use, comparatively inexpensive to manufacture, and readily adjusted.

With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangement of parts to be hereinafter more fully described, and specifically pointed out in the claim.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference indicate corresponding parts throughout the several views, in which—

Figure 1 is a front view of my improved adjustable boiler-stand, showing the adjustable standard in dotted and full lines. Fig. 2 is a sectional view taken on the line 2 2 of Fig. 1. Fig. 3 is a top plan view of the supporting-ring for the boiler. Fig. 4 is a cross-sectional view taken on the line 4 4 of Fig. 2. Fig. 5 is a sectional view of a portion of the adjustable and rigid standards, showing the position of the same when it is desired to lower the adjustable standard, the locking-pin being disengaged from the adjustable standard, as shown.

Referring to the drawings by reference-numerals, 1 indicates a hollow base having formed integral therewith a hollow rigid standard 2, having a smooth inner and outer face. The upper end of one side of the rigid standard 2 is flared outwardly, as at 3, forming thereby a pocket 4 for the reception of the locking-pin 5.

The reference-numeral 6 denotes an adjustable hollow standard provided on one side thereof with a series of teeth 7, extending transversely across the same and which are engaged by the locking-pin 5 for securing the standard 6 in its adjusted position. The upper end of the standard 6 has formed integral therewith a segmental-shaped supporting-yoke 8, provided with a series of openings 9 to lighten the same and, further, formed with an outwardly-extending ridge 10 at each side of the upper edge. The top of each side of the yoke has suitably secured thereto a flat supporting-plate 11, in which is embedded the lower end of an upwardly-extending bolt 12, to which is secured the annular supporting-ring 13 by means of the bolts 12, extending through the flat offsets 14, formed integral with the lower face of the ring and secured in position by means of nuts 15. The inner edge of the annular supporting-ring 13 is formed with a pair of downwardly-extending flanges 16.

The stand is adjusted in the following manner: By grasping the ring 13 the same is ele-

vated until it is brought into engagement with the end of the boiler and is securely retained in such position by reason of the locking-pin engaging the teeth of the adjustable standard and preventing any downward movement thereof. In case the ring and standard 6 have been elevated to a greater height than desired, the same can be lowered by bringing the stand in position as shown in Fig. 5. The locking-pin will then drop into the pocket and permit of the standard 6 being lowered to its proper position. The stand is then placed in an upright position, the pin engaging the teeth of the standard 6 to prevent any downward movement thereof.

It is thought that the many advantages of my improved boiler-stand, particularly regarding the novel manner in which the same can be adjusted, as well as its simplicity in construction, can be readily understood from the foregoing description, taken in connection with the accompanying drawings, and it will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

An adjustable boiler-stand consisting of a hollow base, a hollow standard formed integral with said base and provided in one side at its upper end with a pocket, an adjustable hollow standard 6 mounted in said rigid standard, said standard provided on one face with transversely-extending teeth, a segmental-shaped yoke formed integral with the upper end of said standard 6, a flat supporting-plate formed integral with each end of said yoke, an annular supporting-ring having apertured lugs for securing the same to said supporting-plates, and a locking-pin arranged within said pocket for supporting the adjustable standard in the desired position, substantially as shown and described.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM H. SHEPARD.

Witnesses:

JOHN NOLAND,
E. W. ARTHUR.