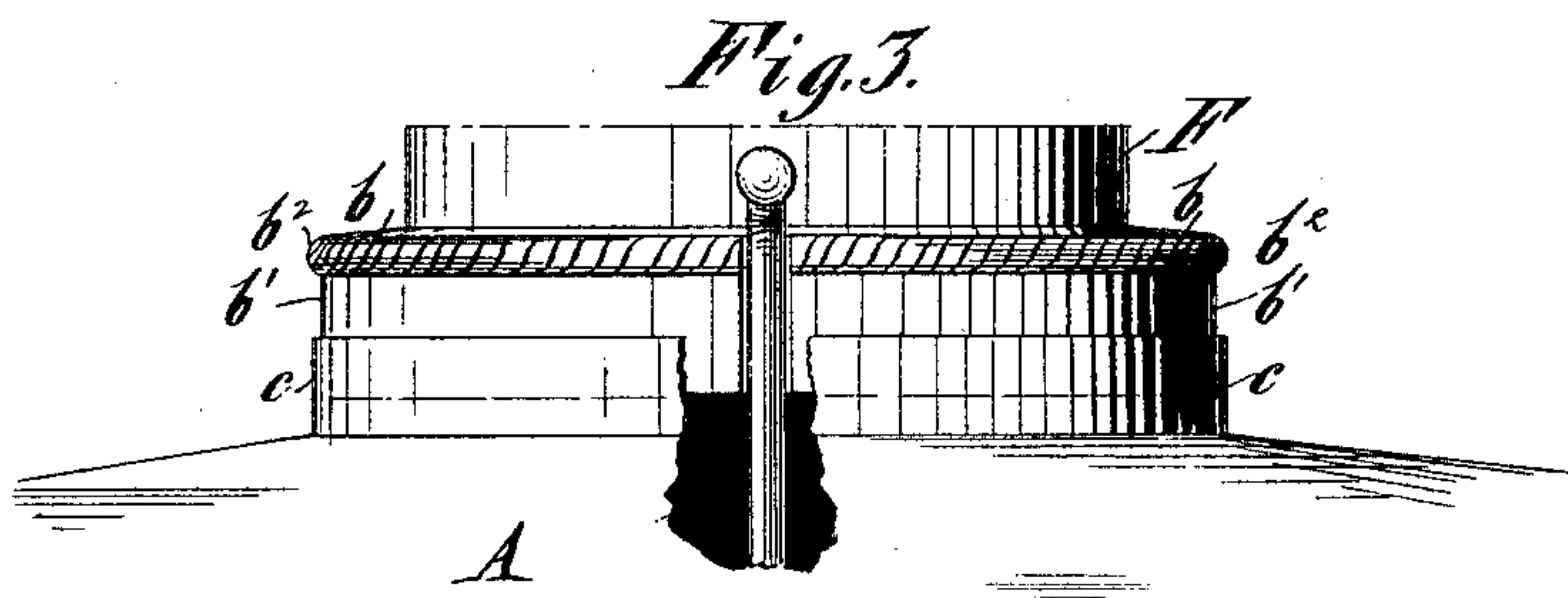
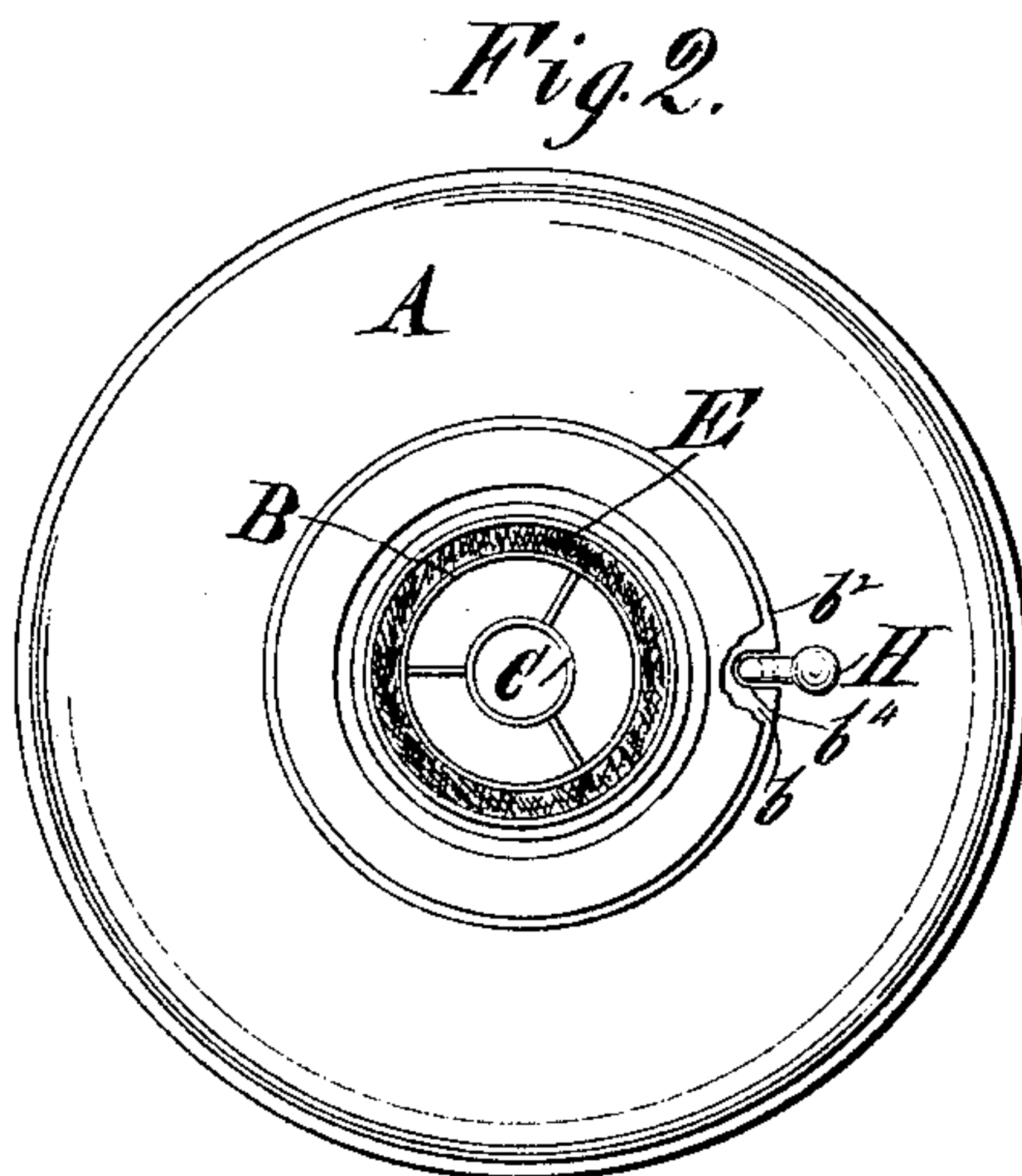
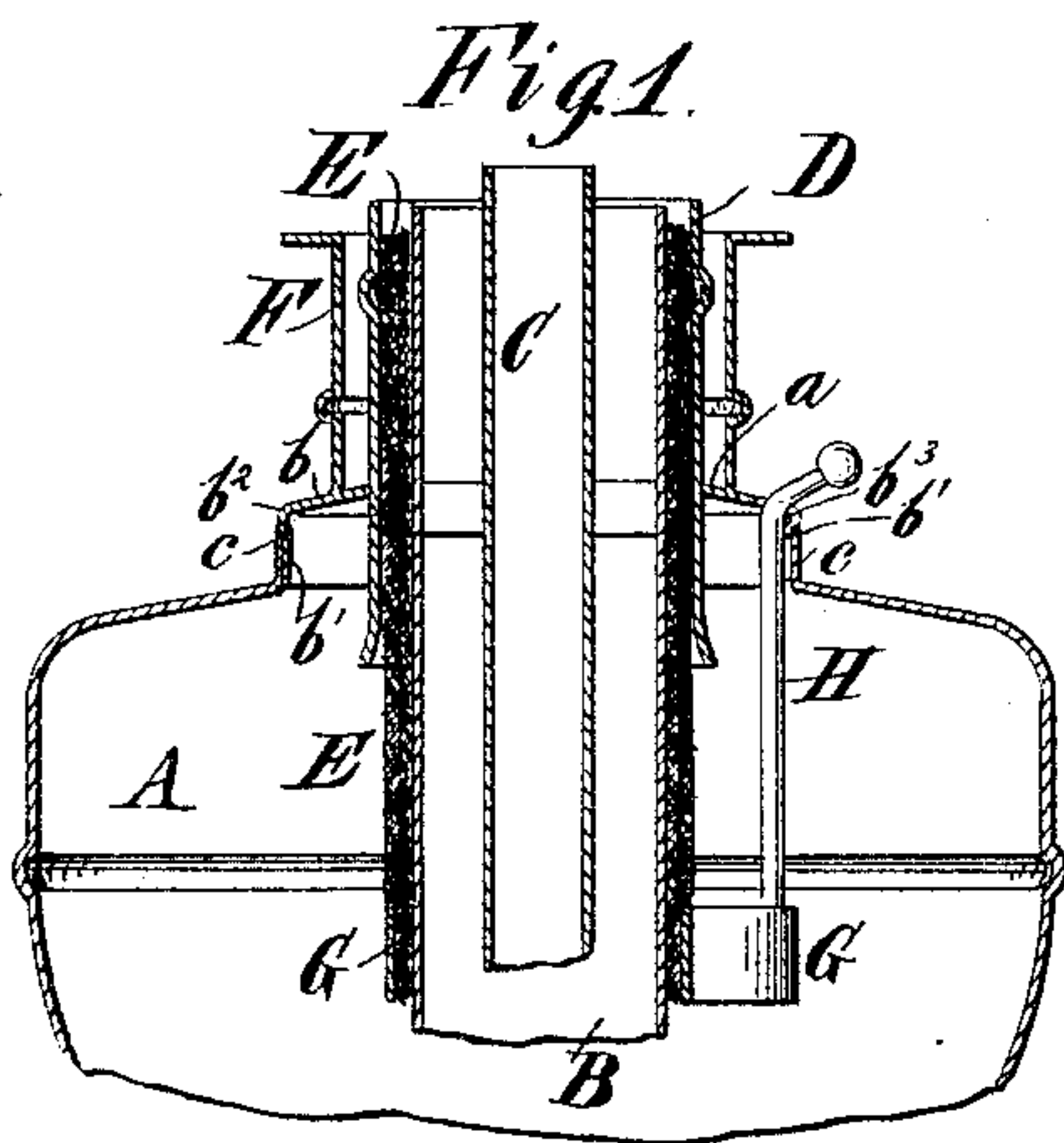


(No Model.)

A. TAPLIN.
WICK RAISER FOR LAMPS.

No. 415,400.

Patented Nov. 19, 1889.



Witnesses:
Schubert
Geo. Barry

Inventor:
A. Taplin
By his Attorneys
Brown & Griswold

UNITED STATES PATENT OFFICE.

ALVIN TAPLIN, OF FORESTVILLE, CONNECTICUT, ASSIGNOR TO THE BRISTOL BRASS AND CLOCK COMPANY, OF SAME PLACE.

WICK-RAISER FOR LAMPS.

SPECIFICATION forming part of Letters Patent No. 415,400, dated November 19, 1889.

Application filed July 9, 1889. Serial No. 316,986. (No model.)

To all whom it may concern:

Be it known that I, ALVIN TAPLIN, of Forestville, in the county of Bristol and State of Connecticut, have invented a certain new and
5 useful Improvement in Wick-Raisers for Lamps, of which the following is a specification.

My improvement is applicable to central-draft lamps in which a cylindric wick is used; and it consists in novel means for securing the
10 raising and lowering of the wick in such lamps, which will be hereinafter more fully described, and then pointed out in claim.

In the accompanying drawings, Figure 1 is
15 a central vertical section of portions of a central-draft lamp embodying my improvement. Fig. 2 is a plan or top view of the same. Fig. 3 is a detail on an enlarged scale illustrating my improvements, portions being broken
20 away to save space and to disclose parts which would be otherwise concealed.

Similar letters of reference designate corresponding parts in all the figures.

A designates a reservoir or fount, which
25 may be made of metal, and is provided with the usual standard. (Not shown.)

B designates the inner wall of the wick-tube, the interior of which forms the central draft-flue.

30 C designates a tube arranged centrally in the tube B, and upon which a perforated spreader of ordinary construction, but not shown, is to be placed. The tube B is secured in the bottom of the reservoir in the usual
35 manner.

D designates the outer wall of the wick-tube. When in position, it only extends for a short distance into the interior of the fount A. It is secured to a rim *a*, extending inwardly
40 from the petticoat of the burner. A wick E extends, as usual, between the walls D B.

F designates the petticoat of the burner, perforated, as usual, throughout a portion of its length. Near its lower extremity said petticoat is provided with an outwardly-extending circumferential shoulder *b*. Extending
45 downwardly from the outer edge of the shoulder *b* is an annular flange *b'*. At the upper edge of the flange *b'*, or where it joins the shoulder
50 *b*, I have shown a bead *b²*. The reservoir A is

provided upon its upper side and centrally with an annularly-extending neck *c*. In placing the petticoat F and the outer wall D of the wick-tube in position on the lamp the annular flange *b'* extends within the annular neck *c*,
55 and the bead *b²* rests upon the upper edge of the neck *c*. The annularly-extending flange *b'* is provided with a vertically-extending slot *b³*, which is open at its lower end. The shoulder *b* is provided with an inwardly-extending notch *b⁴*, which notch forms a continuation of the slot *b³*. When the flange *b'* has
60 been placed within the neck *c*, as described, the neck *c* conceals the slot *b³* from view, and only the portion thereof which extends
65 through the bead *b²* and the notch *b⁴* can be seen.

G designates a wick-holder, here shown as consisting of a metallic band extending about
70 the wick.

H designates a wick-raiser, consisting of a vertically-extending rod secured near its end to the wick-holder G. When the parts are in the position as shown more clearly in Fig. 1, the wick-raiser H extends through the notch
75 *b⁴* in the shoulder *b* upon the petticoat and may be moved freely up and down therein to raise and lower the wick. I have shown the portion of the wick-raiser about said shoulder as offset to facilitate its being grasped
80 by hand.

When the petticoat is being placed upon the fount, it is passed downwardly about the wick-raiser H, the slot *b³* and the flange *b'* admitting of this, as the wick-raiser will pass
85 through said slot and into the notch *b⁴*. The petticoat and the outer wall of the wick-tube may be readily removed by lifting them up.

By my construction I am enabled to materially increase the diameter of the opening
90 in the reservoir in which the flange *b'* sits, so that the reservoir may be more readily filled with oil or be reached for cleaning without unnecessarily increasing the diameter of the perforated portion of the petticoat acting
95 as an air-distributor. Also, by providing the flange *b'* with a vertically-extending slot and the shoulder *b* with a notch *b⁴*, forming a continuation of the slot, the petticoat F, together with its superposed parts, may be lifted off
100

from the top of the reservoir without interfering with the wick-raiser, notwithstanding the fact that the wick-raiser is curved or offset to facilitate its being grasped by hand.
5 Furthermore, by this construction the petticoat, due to the larger diameter of the flange *b'* and of the neck *c*, is more firmly seated than it would be if the shoulder *b* were not employed and the petticoat were made of the
10 same diameter throughout. As said notch and slot are below the perforated portion of the petticoat, I avoid any enlarged opening in said perforated portion for the passage of the wick-raiser through it, which opening
15 would interfere with the draft.

What I claim as my invention, and desire to secure by Letters Patent, is—

In a lamp, the combination, with a reservoir provided with an opening and a verti-

cally-extending neck about said opening, of 20
a burner comprising a petticoat, said petticoat being provided near its lower end with a circumferential shoulder *b* and an annular flange *b'*, extending downwardly from said
25 shoulder and adapted to fit within the said neck, said flange being provided with a vertically-extending slot, and said shoulder being provided with an inwardly-extending notch forming a continuation of said slot, both
30 said slot and notch being below the perforated portion of the petticoat and wholly independent thereof, and a wick-raiser extending through said notch in the shoulder, all substantially as and for the purpose specified.

ALVIN TAPLIN.

Witnesses:

LULU K. BEACH,
ISAAC M. BEACH.