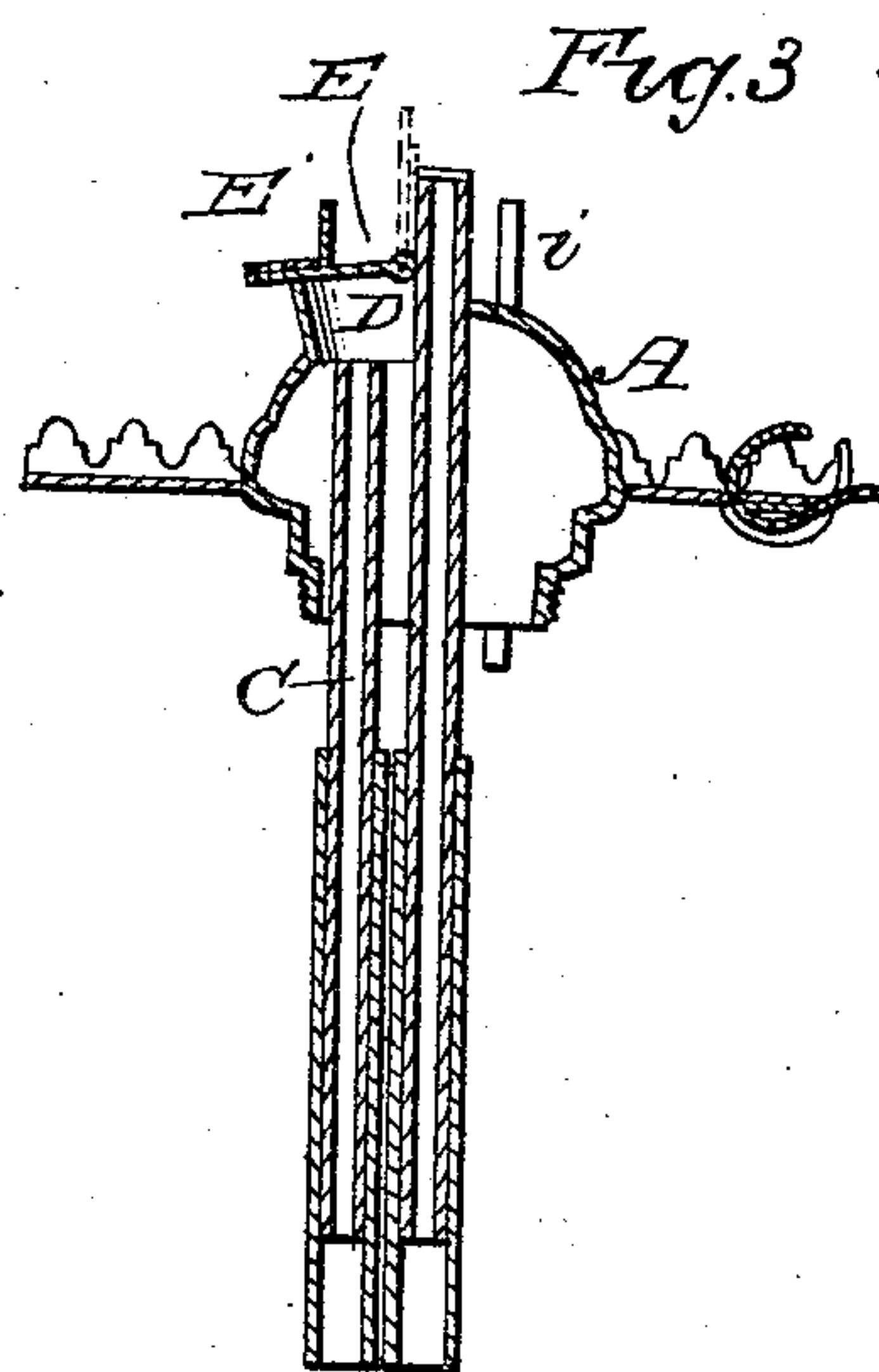
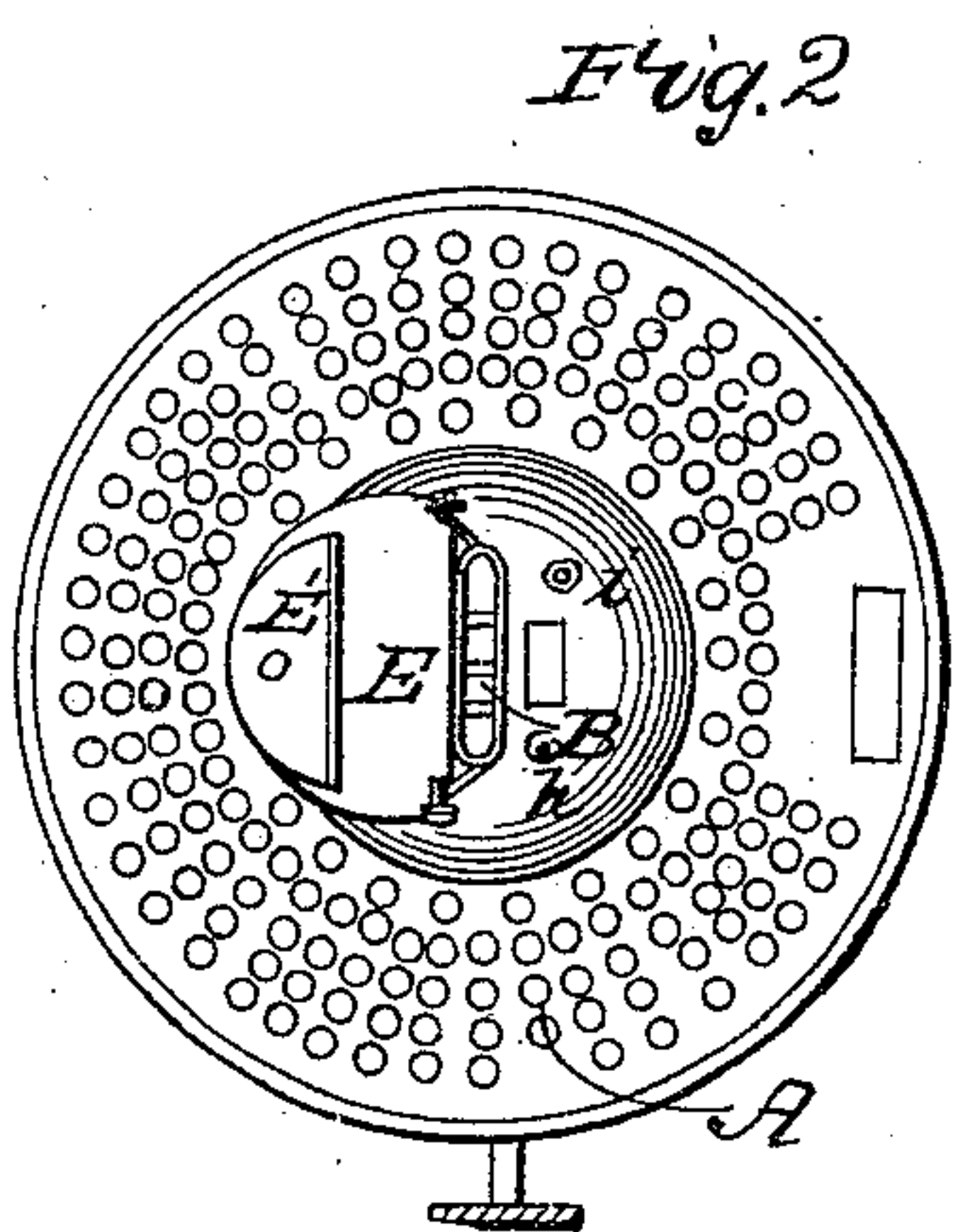
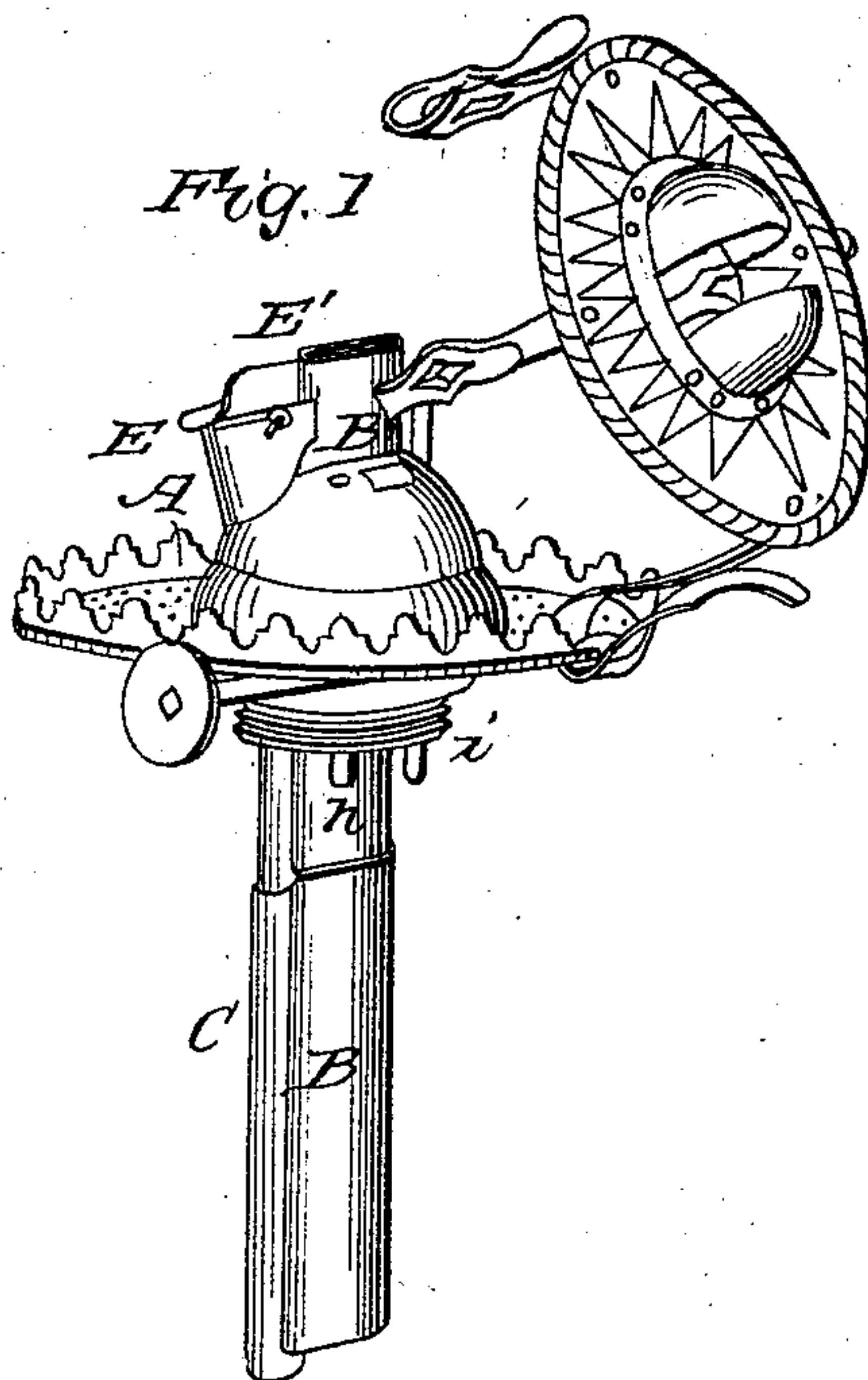


J. M. PERKINS.

Lamp Burner.

No. 93,117.

Patented July 27, 1869.



Witnesses
Alfred Chubb
Geo. W. Tabbitts

Inventor
J. M. Perkins

United States Patent Office.

JOHN M. PERKINS, OF CLEVELAND, OHIO.

Letters Patent No. 93,117, dated July 27, 1869.

IMPROVEMENT IN LAMP-BURNERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, JOHN M. PERKINS, of Cleveland, in the county of Cuyahoga, and State of Ohio, have invented a certain new and improved Lamp-Burner; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a top view with the cap removed.

Figure 3 is a vertical section.

Like letters of reference refer to like parts in the views.

The nature of this invention relates to the construction of a lamp-burner, arranged so that the lamp may be filled without removing the burner, it being provided with an extensible tube for that purpose, passing down by the side of the wick-tube, the said filling-tube having a large mouth at the top, and provided with a lid, which, when thrown back, extinguishes the flame of the wick, and covers the top of the wick-tube.

A represents the body of the burner;

B, the wick-tube; and

C, a filling-tube.

Both these tubes are made telescopic, so that they may be adjustable for fitting various depths of founts.

At the top of the filling-tube C is an enlarged chamber, B, provided with a lid, E, covering the same; this chamber is designed to facilitate filling the lamp.

The lid E has a projection, E', and, as will be seen by dotted lines, fig. 3, when thrown up, the said projection covers the top of the wick-tube B.

By the side of the wick-tube B are two small tubes, *h* and *i*, one longer than the other. The long one terminates near the top of the wick-tube B.

These two tubes act as a siphon, the short one, *h*, supplying air to the fount, while the longer one, *i*, emits the gas to the flame of the wick, the heat of the flame causing a draught up through the tube *i*, and drawing the gas, while air enters and passes down the tube *h*, to supply the vacuum.

By this means a safe and steady light is produced.

The burner is supplied with wick-wheels, and a cap for chimney, in the ordinary manner.

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

1. In a burner, provided with the extensible filling-tube C and wick-tube B, the tubes *h* and *i*, all constructed and arranged to operate as herein described and shown.

2. The combination and arrangement of the extensible filling-tube C and wick-tube B with the burner A, as and for the purpose set forth.

JNO. M. PERKINS.

Witnesses:

ALFRED ELWELL,

GEO. W. TIBBETTS.