

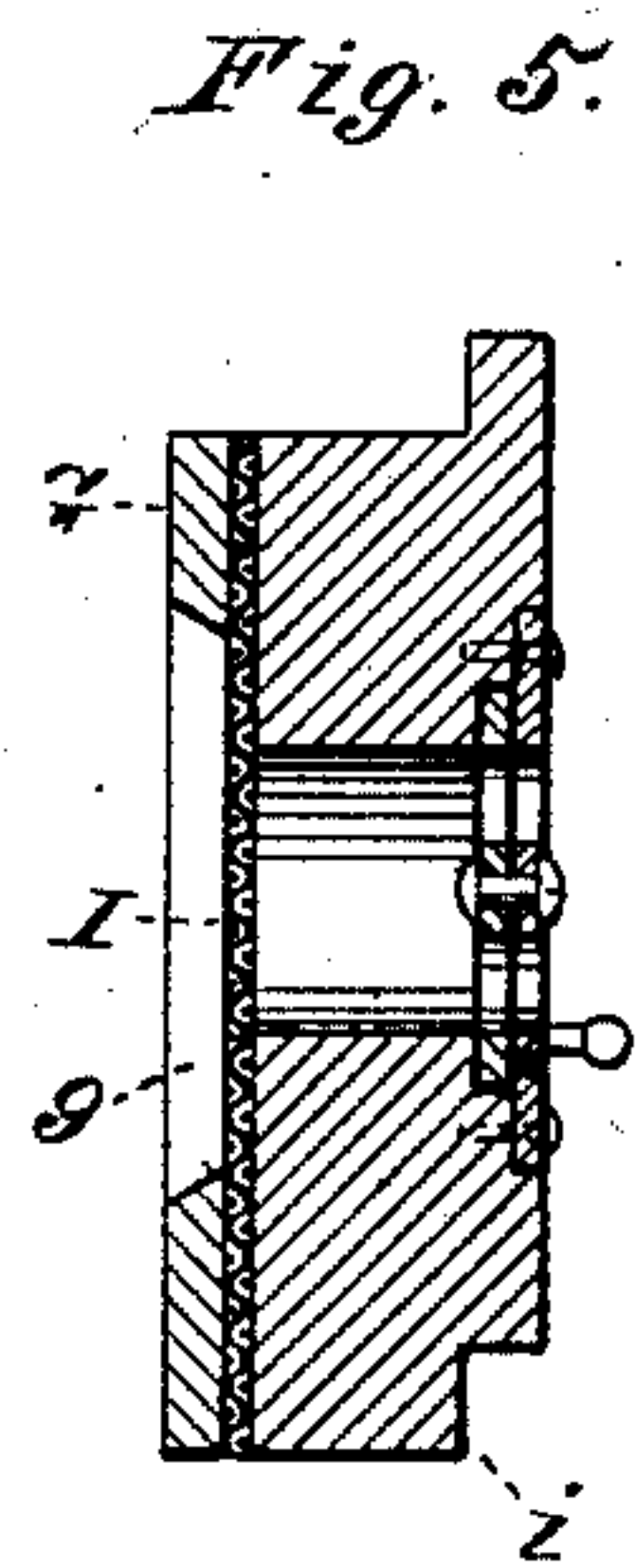
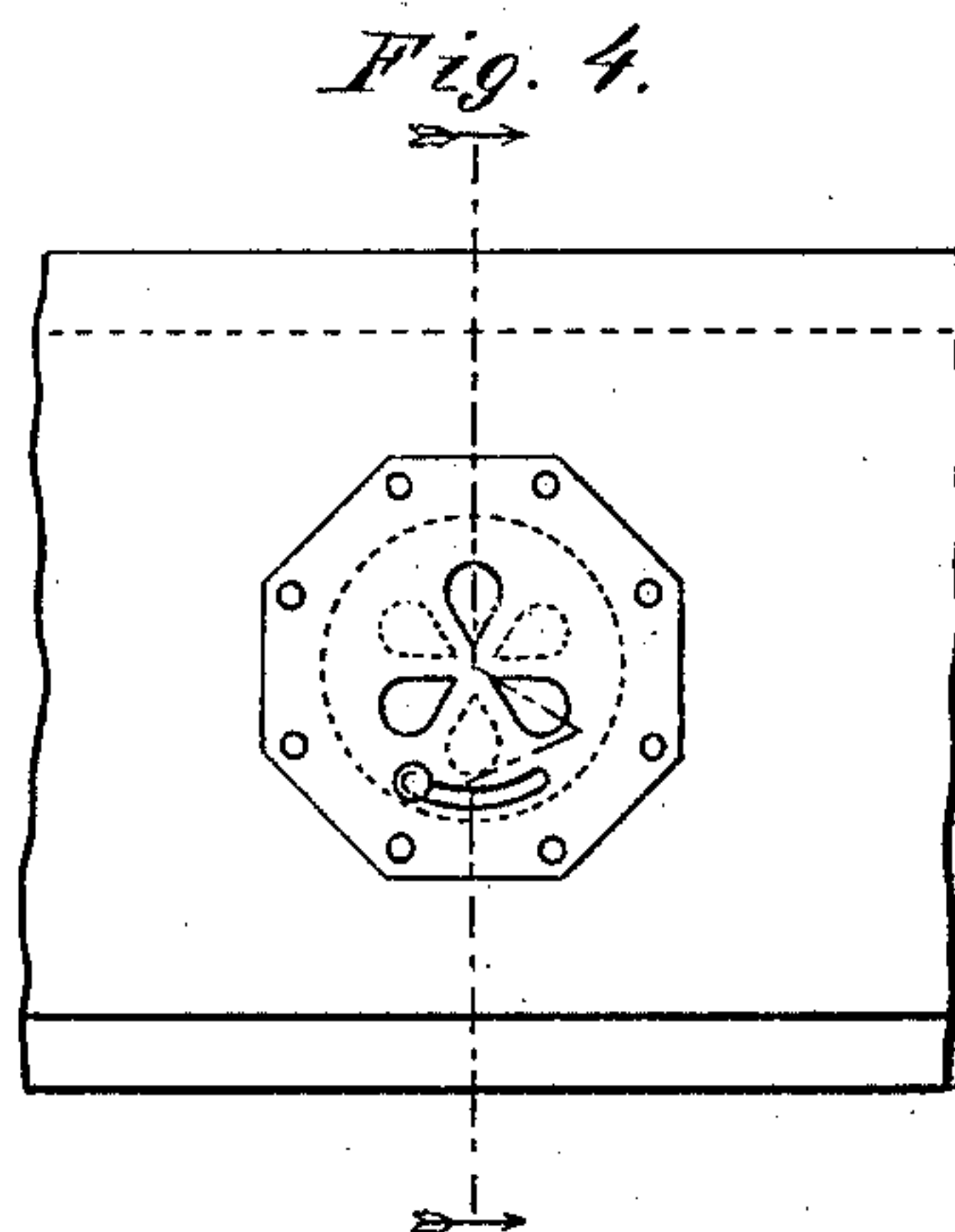
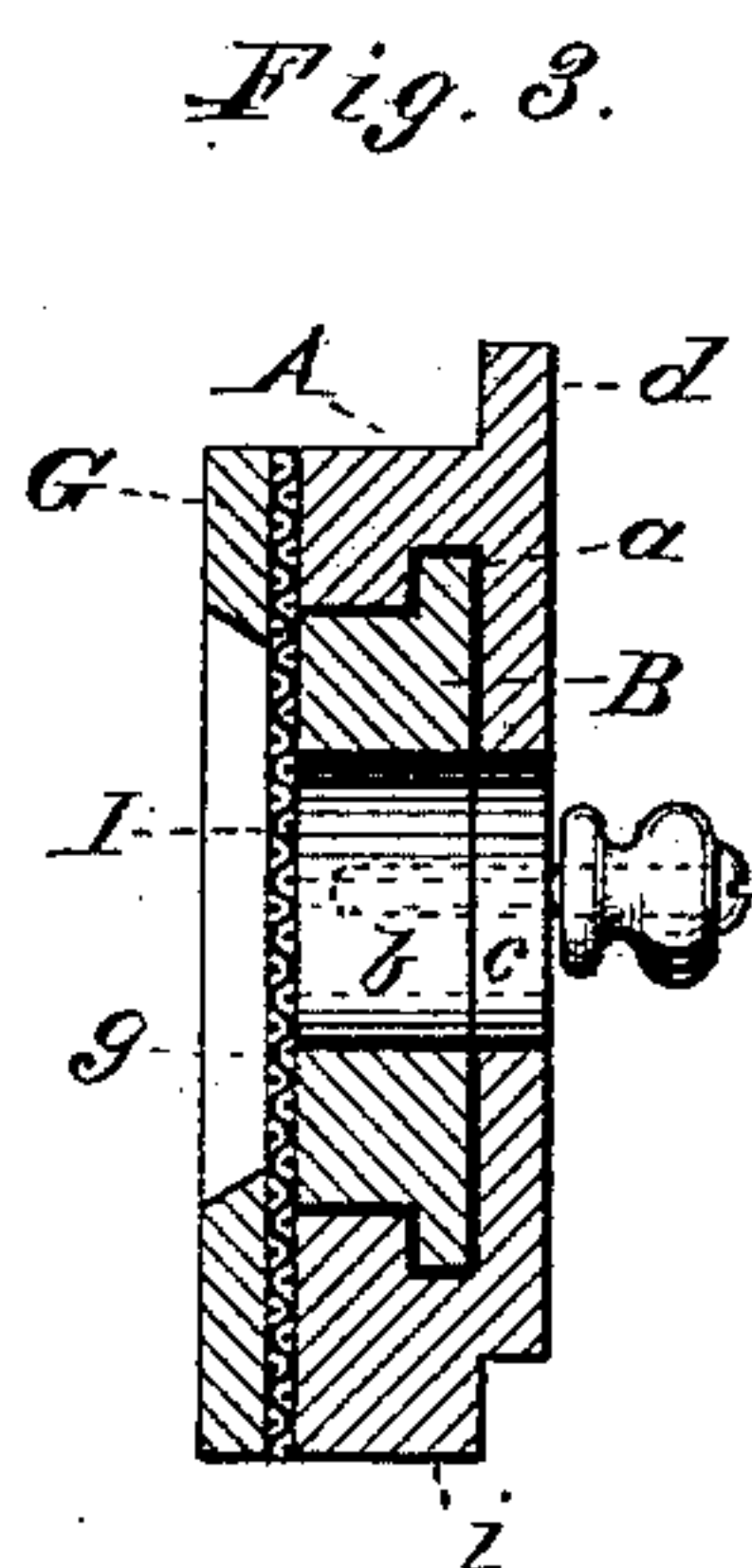
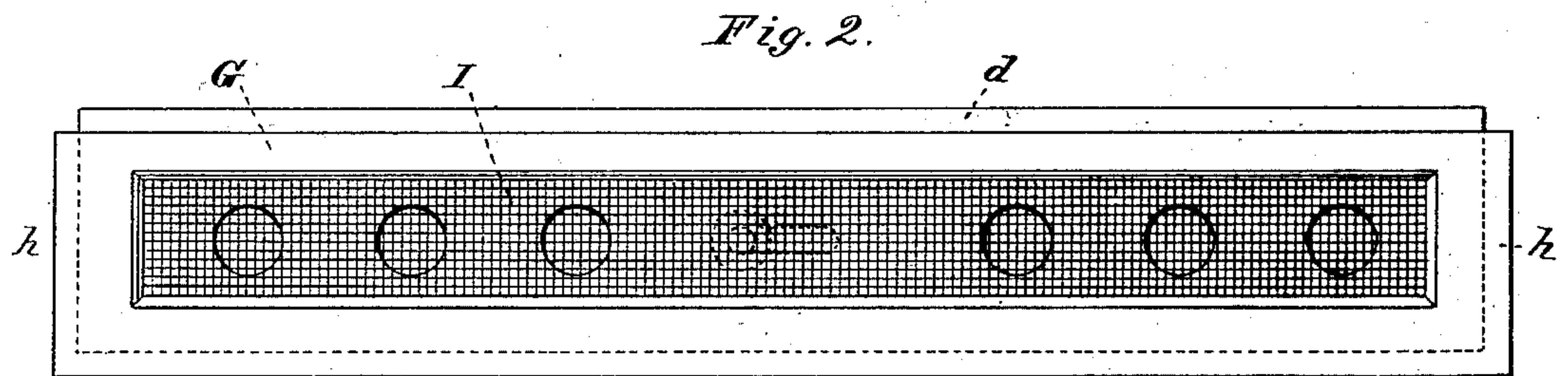
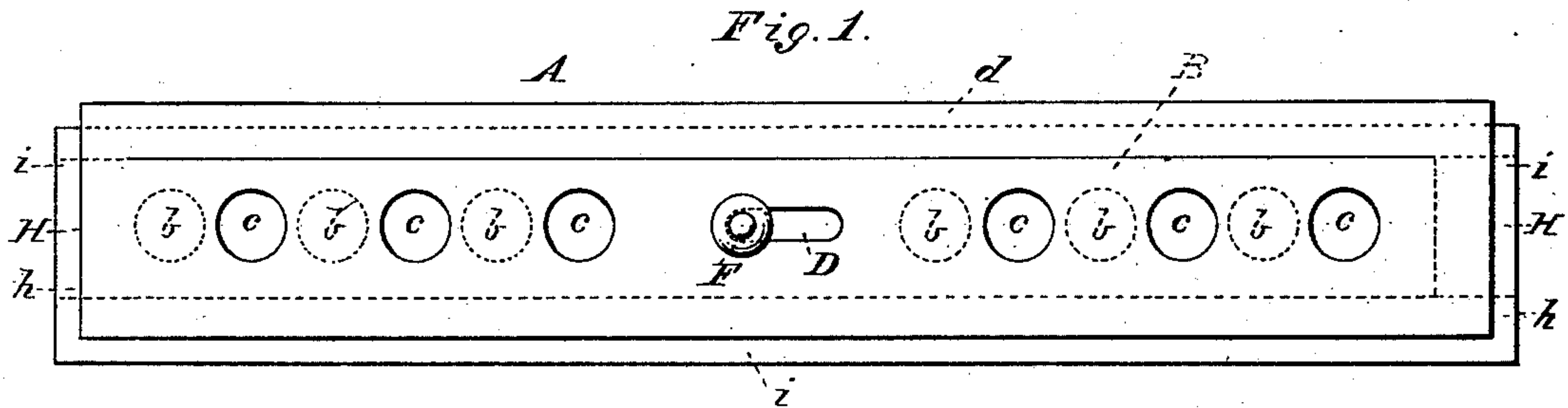
(No Model.)

A. S. SEAMAN.

VENTILATOR.

No. 314,882.

Patented Mar. 31, 1885.



WITNESSES

Villette Anderson.
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INVENTOR

A. S. Seaman
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UNITED STATES PATENT OFFICE.

ALFRED S. SEAMAN, OF FRACKVILLE, PENNSYLVANIA.

VENTILATOR.

SPECIFICATION forming part of Letters Patent No. 314,882, dated March 31, 1885.

Application filed July 12, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALFRED S. SEAMAN, a citizen of the United States, residing at Frackville, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Ventilators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a view of the inner face of the ventilator. Fig. 2 is a view of the outer face. Fig. 3 is a vertical section. Fig. 4 is a detail view showing a modification of the invention. Fig. 5 is a vertical section of the same.

This invention has relation to improvements in ventilators to be used in connection with windows; and it consists in the construction and novel arrangement of devices, as will be hereinafter more fully set forth, and particularly pointed out in the claim appended.

In the accompanying drawings, A indicates the main frame of the ventilator, which is provided on its outer face with a longitudinal central groove, *a*, to receive a longitudinal slide-strip, B, which is provided at suitable intervals along its length with transverse perforations *b*, which are designed to register with perforations or apertures *c* in the main frame when the slide is operated for the admission of air to a room. The main frame is also provided in its face with a horizontal elongated slot, D, for the passage of the stem of a knob, F, which is secured to the slide B. This frame A is also provided on its upper longitudinal outer edge with a rabbet, *d*, which, when the device is used at the lower portion of the window, is designed to receive the lower longitudinal strip of the lower section of the glass frame, and is provided on its under longitudinal outer edge with a rabbet, *i*, to engage the face-strip and sill of the window-casing.

G indicates a covering-strip, which is of less width and greater length than the frame A. This strip is secured to the outer face of the frame A, and is provided with a central longitudinal slot, *g*, of nearly the entire width of the perforated slide. This strip is also provided at opposite ends with transverse ledges *h h*, forming at the opposite ends of the inner face of the main frame vertical transverse rabbets or grooves H, which are designed to engage the vertical molding-strips of a window-casing, the extensions *i i* fitting in the window-ways.

I indicates a strip of wire-gauze, which is secured to the grooved inner side of the covering-strip G, the gauze being designed to cover the ventilating-apertures in the slide and main frame A, so as to prevent the entrance of flies and other insects, and at the same time admit air to the room.

From the foregoing description it will be perceived that the device is designed to extend the entire width of the window, and may be applied at the top of the window equally as well as at the bottom thereof.

If found desirable, a rotary slide may be used instead of the horizontal one, in which case the apertures in the main frame should be made of a shape conformable to the apertures in the slide, and the slot for the passage of the knob-shank made circular instead of straight.

I am aware that it is not new to provide a window-ventilator with a recess to receive the window, and another to engage the window-sash, and that such ventilators have been made of sheet metal in sections, and therefore do not claim such devices, broadly; but,

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

As an improved article of manufacture, the ventilator herein described, consisting of the frame A, composed of a single piece, having its upper and lower longitudinal edges provided with the rabbets *d* and *i*, its outer face longitudinally grooved or recessed to receive the slide and provided with transverse apertures, the perforated slide arranged in said

groove, the slide-knob having its shank extending through the elongated slot in the frame A, and the covering-strip having the longitudinal slot *g*, covered with wire-gauze
5 I, and its opposite end extended to engage the window-ways of a window-casing, substantially as shown and described.

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

ALFRED S. SEAMAN.

Witnesses:

H. K. WESTON,
A. E. WESTON.