

S. B. H. VANCE.
Slide for Gas-Pendants.

No. 162,871.

Patented May 4, 1875.

Fig. 1

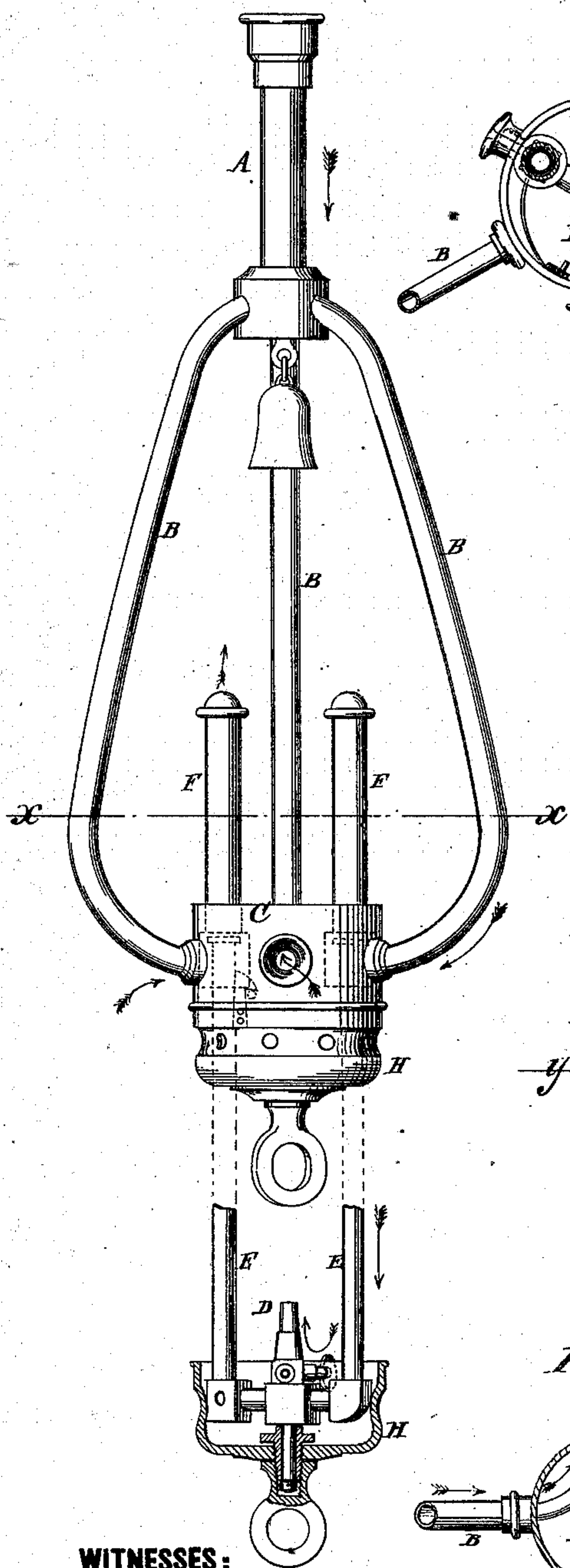


Fig. 2

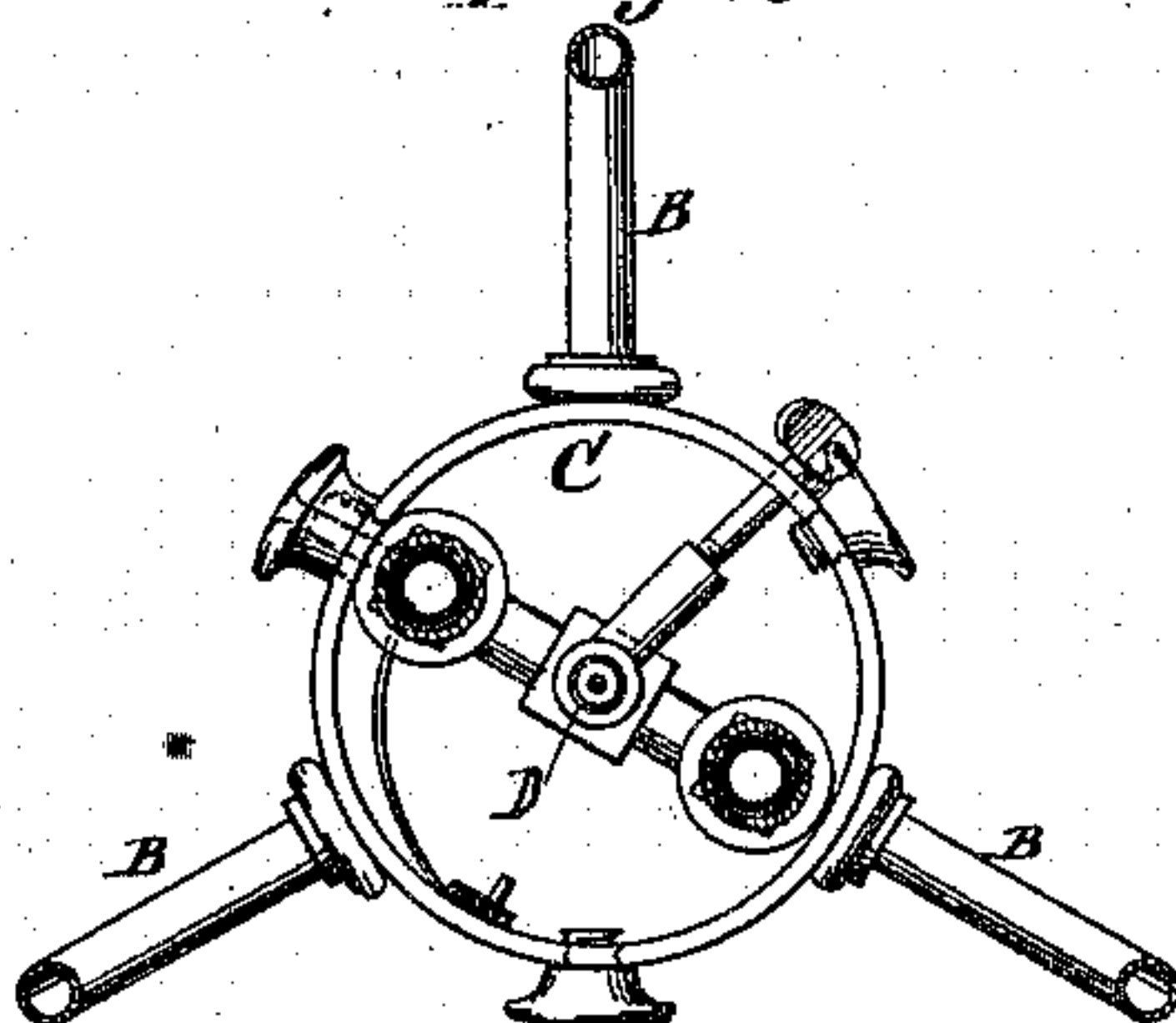


Fig. 3

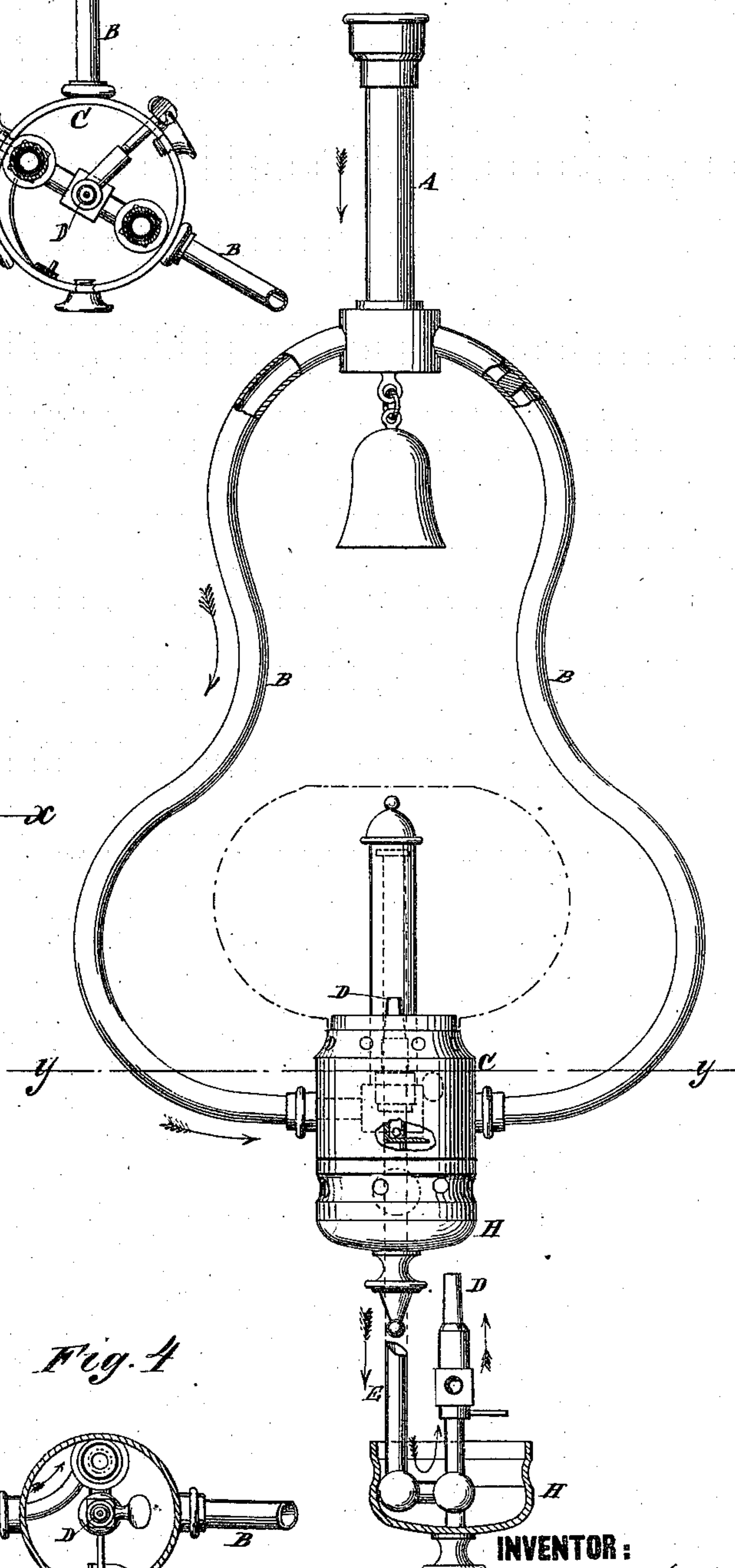
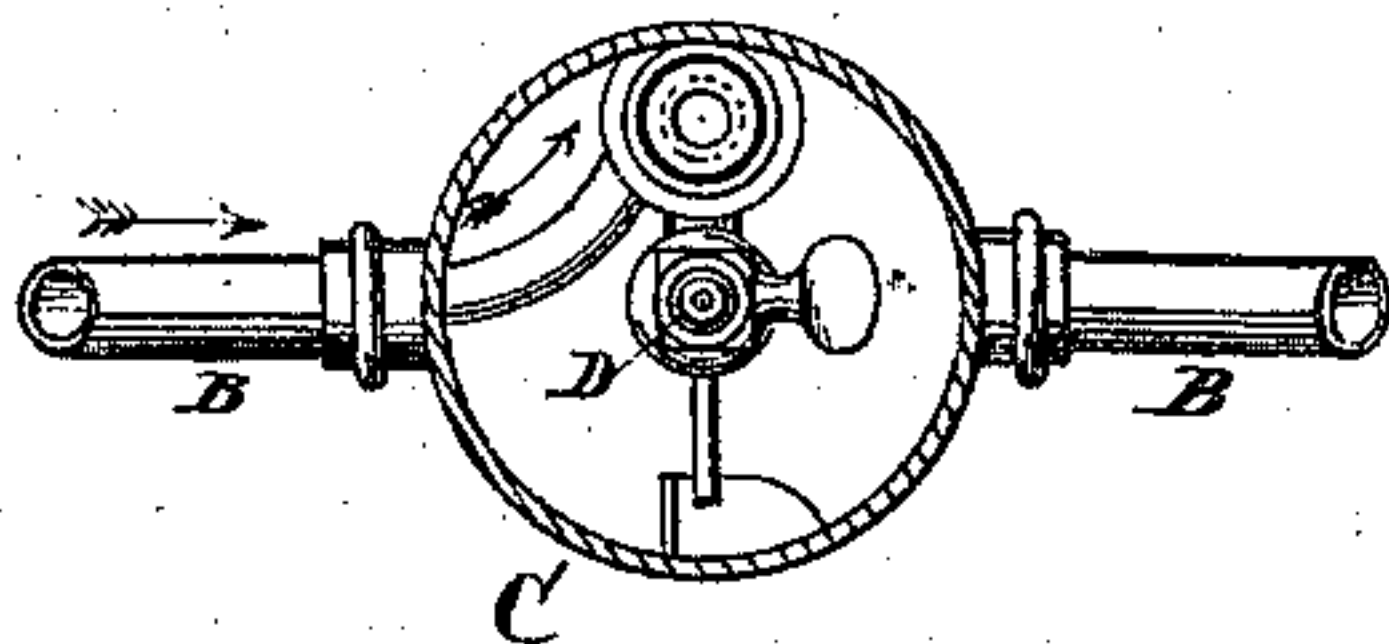


Fig. 4



WITNESSES:

A. W. Almquist
Alex F. Roberts

INVENTOR:

S. B. H. Vance
BY *Muntz*

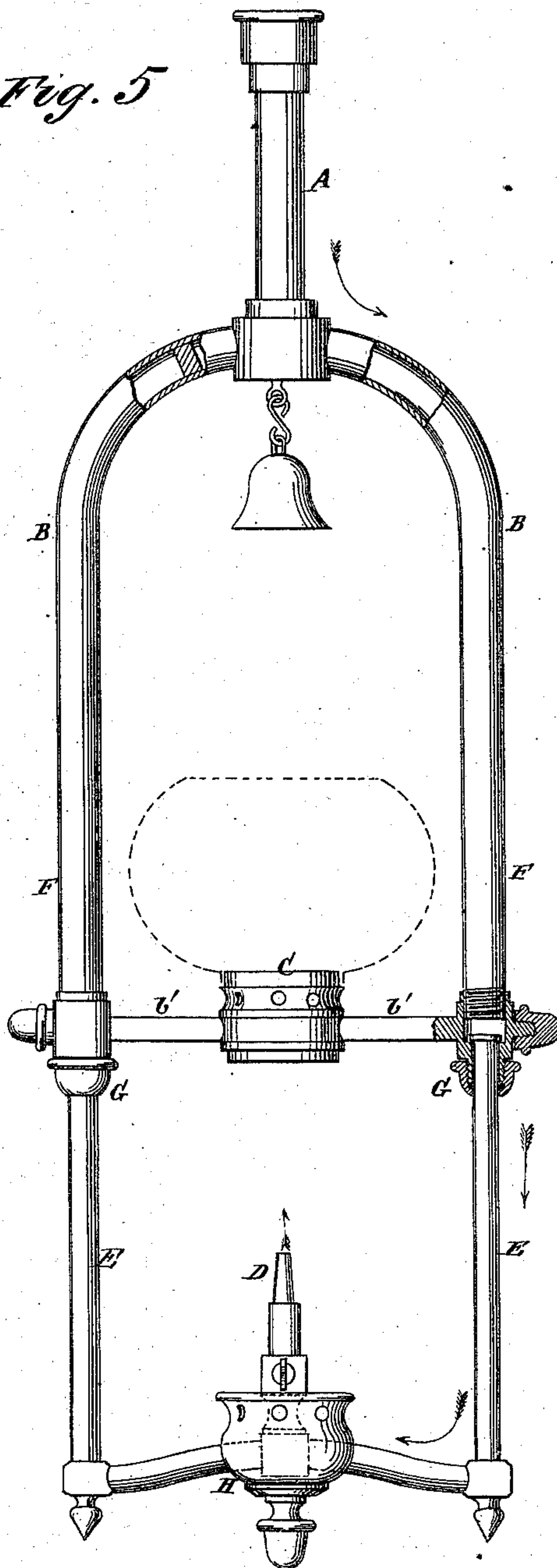
ATTORNEYS.

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Fig. 5



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UNITED STATES PATENT OFFICE

SAMUEL B. H. VANCE, OF NEW YORK, N. Y.

IMPROVEMENT IN SLIDES FOR GAS-PENDANTS.

Specification forming part of Letters Patent No. 162,871, dated May 4, 1875; application filed April 3, 1875.

To all whom it may concern:

Be it known that I, SAMUEL B. H. VANCE, of the city, county, and State of New York, have invented a new and useful Improvement in Slides for Gas-Pendants, of which the following is a specification:

Figure 1, Sheet 1, is a side view of a gas-pendant illustrating my invention, and showing a sectional view of the base-cap and the burner and slides drawn down. Fig. 2, Sheet 1, is a horizontal section of the same, taken through the line *x x*, Fig. 1. Fig. 3, Sheet 1, is a side view of a modified form of the same, and showing a sectional view of the base-cap and the burner and slide drawn down. Fig. 4, Sheet 1, is a horizontal section of the same, taken through the line *y y*, Fig. 3. Fig. 5, Sheet 2, is a side view of a modified form of the same, showing the burner and slides drawn down, and part being broken away to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish gas-pendants so constructed that the burners may be drawn down to light the gas without disturbing the globe, and which shall be simple in construction and neat in appearance, and shall avoid the use of balancing-weights or springs.

The invention consists in the combination of the sliding tubes and the stationary tubes, one or both pairs, with the burners, the globe-holder, and the arms of a gas-pendant, as hereinafter fully described.

A is the upper part of the pendant, which is screwed upon the end of the gas-pipe, and from which two, three, or more arms, B, descend, as shown in Figs. 1, 3, and 5. One of the arms B is opened for the passage of the gas, and the other or others are closed. The lower ends of the arms B are curved inward, and to them is attached the globe-holder C, as shown in Figs. 1 and 3; or the lower parts of

the arms B may be vertical, and have inwardly-projecting arms *b'* attached to them, to which the globe-holder C is attached, as shown in Fig. 5. D is the gas-burner, which is connected with a single vertical tube, E, as shown in Fig. 3, or with two vertical tubes, E, as shown in Figs. 3 and 5. One of the tubes E is open to conduct gas to the burner D. The sliding tubes E enter the lower ends of stationary tubes F through stuffing-boxes G, attached to said lower ends, to make the connection gas-tight, and which may also serve to hold the sliding tubes E in place by friction; or a set-screw or a small spiral spring held in place by a screw-cap may be used for obtaining friction to hold the said sliding tubes in place. If desired, a small latch may be used, attached to the base-cap H, to catch upon a projection attached to the globe-holder C, as shown in Figs. 1, 2, 3, and 4. The stationary tubes F may be attached to the globe-holder C, so as to be within the globe, as shown in Figs. 1, 2, 3, 4; or they may be the lower parts of the arms B, when said arms descend vertically, as shown in Fig. 5. The stationary tube F, in which the open sliding tube E works, must be connected with the open arm B, to allow the gas to pass to the burner D. The base-cap H is attached to the base of the burner D, and should have numerous holes formed in it to admit air.

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

The combination of the sliding tubes E and the stationary tubes F, one or both pairs, with the burner D, the globe-holder C, and the arms B of a gas-pendant, substantially as herein shown and described.

SAM. B. H. VANCE.

Witnesses:

G. C. BARKER,
ALFRED MURRAY.