

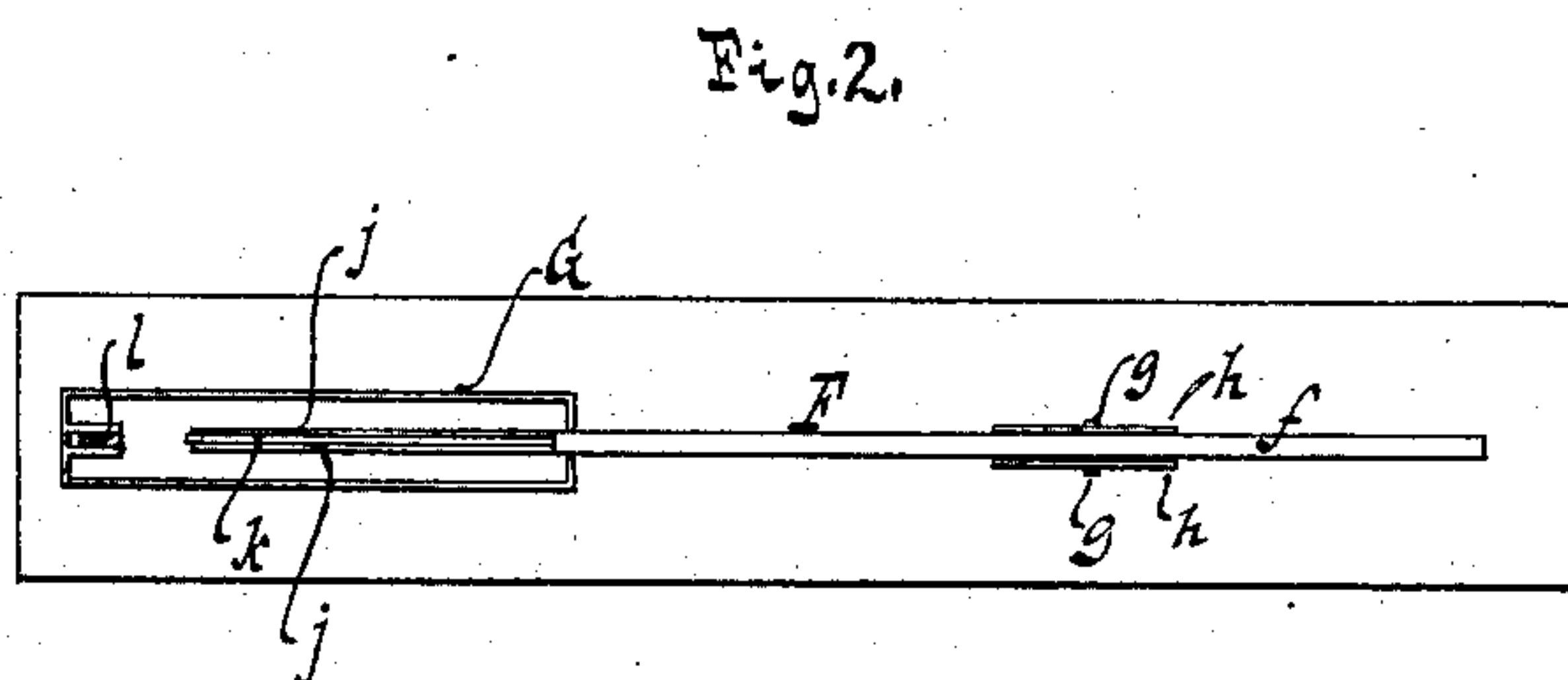
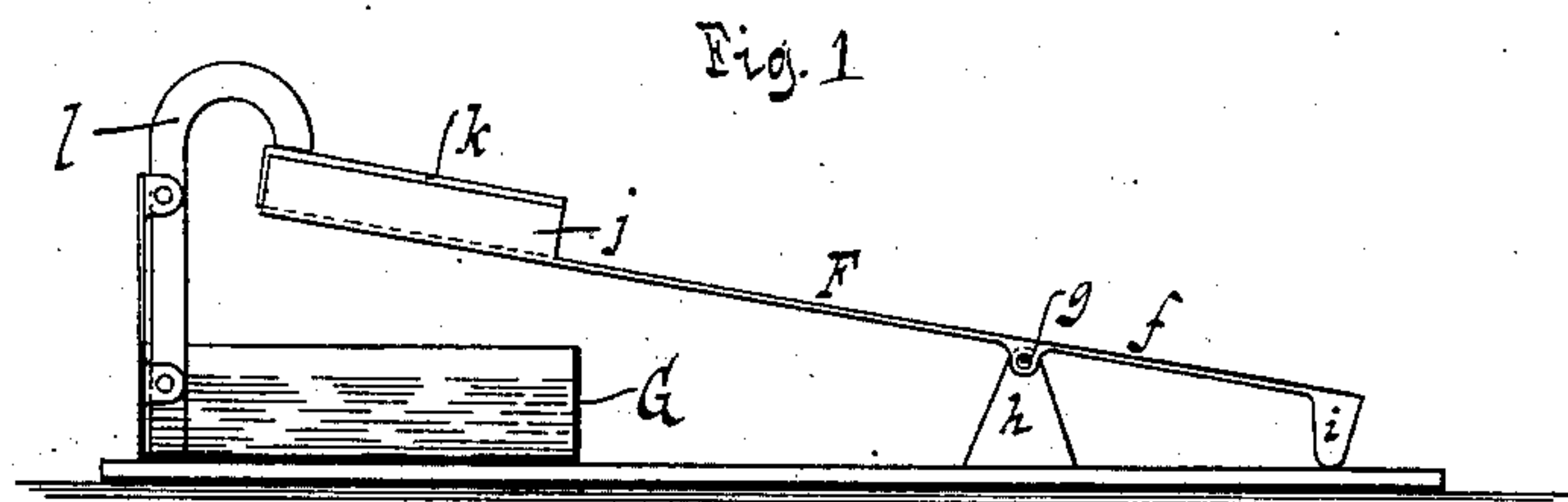
(No Model.)

G. L. JAEGER.

MOTOR.

No. 389,473.

Patented Sept. 11, 1888.



WITNESSES:

Otto Stufelau
William Miller

INVENTOR

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BY

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UNITED STATES PATENT OFFICE.

GUSTAV L. JAEGER, OF NEW YORK, N. Y.

MOTOR.

SPECIFICATION forming part of Letters Patent No. 389,473, dated September 11, 1888.

Application filed March 21, 1885. Serial No. 159,662. (No model.)

To all whom it may concern:

Be it known that I, GUSTAV L. JAEGER, a citizen of the United States, residing at New York, in the county and State of New York, have invented new and useful Improvements in Motors, of which the following is a specification.

This invention relates to a motor in which the motive power is supplied by a liquid raised by capillary attraction; and the invention consists in the combination of devices hereinafter described and claimed.

Figure 1 is a sectional side elevation of a motor operated by capillary attraction for producing oscillating motion. Fig. 2 is a plan of the same.

The apparatus shown in Figs. 1 and 2 consists of a lever, F, which is composed of a rod, *f*, and its fulcrum is on a pivot, *g*, secured in standards *h*. On one end of the rod *f* is secured a weight, *i*, and on its opposite end are fastened two plates or jaws, *j j*, between which is placed a sheet, *k*, of blotting-paper or other absorbent material, so as to form an absorbent pad. In its normal condition that end of the lever F which carries the weight *i* is the heaviest and said lever assumes the position shown in Fig 1. Beneath the absorbent pad *k* is a tank, G, containing water, and on the end of this tank is secured a strip, *l*, of blotting-paper or other material capable of drawing the water up by capillary attraction. When the lever F is in its normal position, the upper end of the strip *l* bears upon the absorbent pad *k*, while its lower end dips into the water in the tank G. As the water is drawn up by the

capillary attraction of the strip *l*, the absorbent pad *k* becomes charged with water, and by the weight thus added to this pad that end of the lever F which carries said pad sinks down until it rests upon the edge of the tank G. In this position the supply of water to the pad *k* ceases, and as the water contained in the pad evaporates the weight of this pad is diminished and the lever F returns to its normal position. The pad *k* is then again charged with water and the lever F makes its second down-and-up stroke.

This motor may be used for opening and closing ventilators at stated intervals, for making and breaking an electric circuit, for operating small toys, and other similar purposes which will readily be suggested to those skilled in the art.

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

The combination, with an oscillating lever, F, and an absorbent pad secured to one end of said lever, of a tank for containing a liquid, and an absorbent strip one end of which dips into the liquid in the tank, while its opposite end is in contact with the absorbent pad when the lever is in its normal position, substantially as described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

GUSTAV L. JAEGER. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.