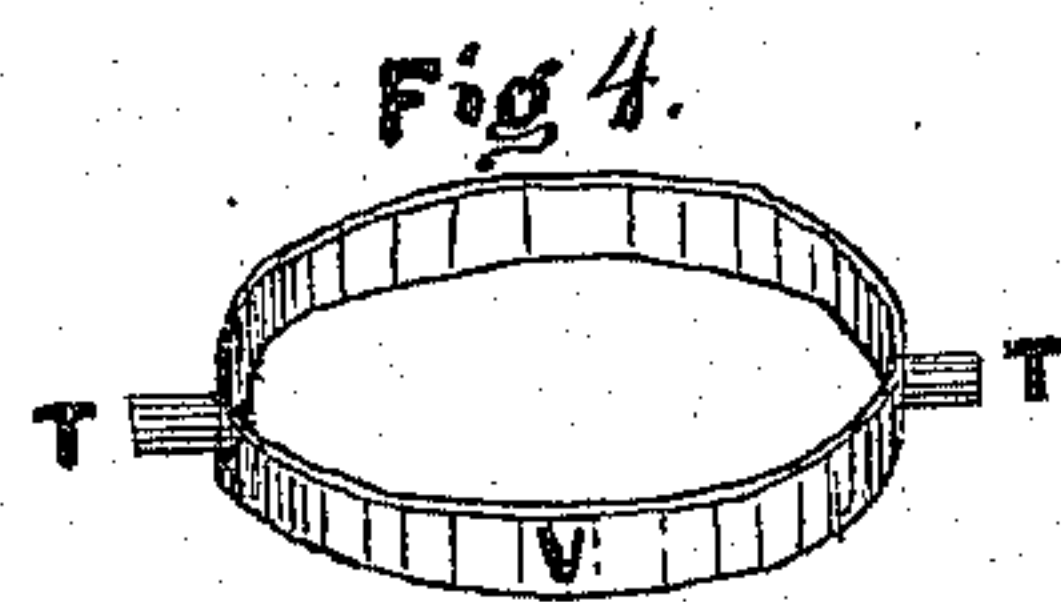
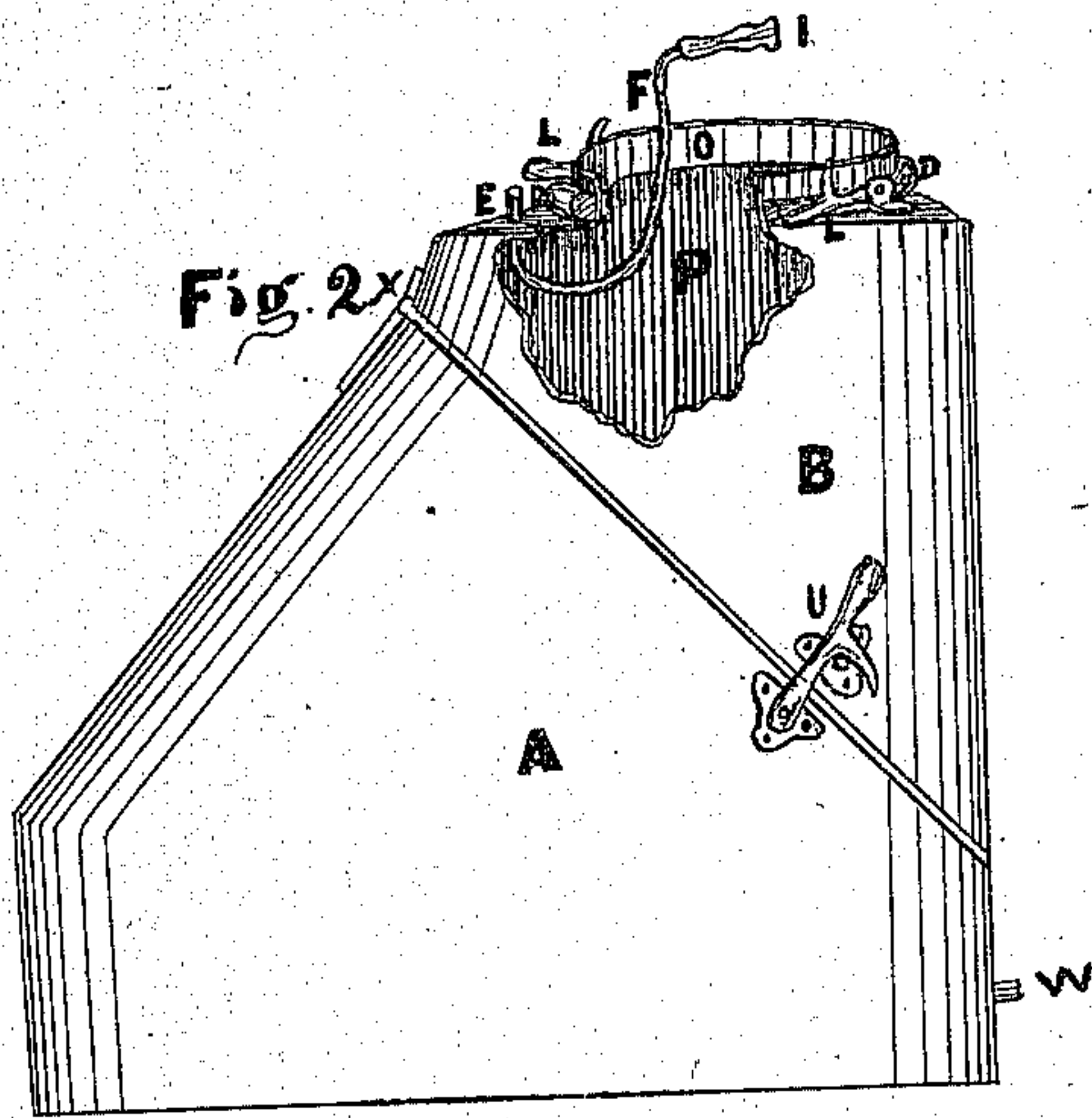
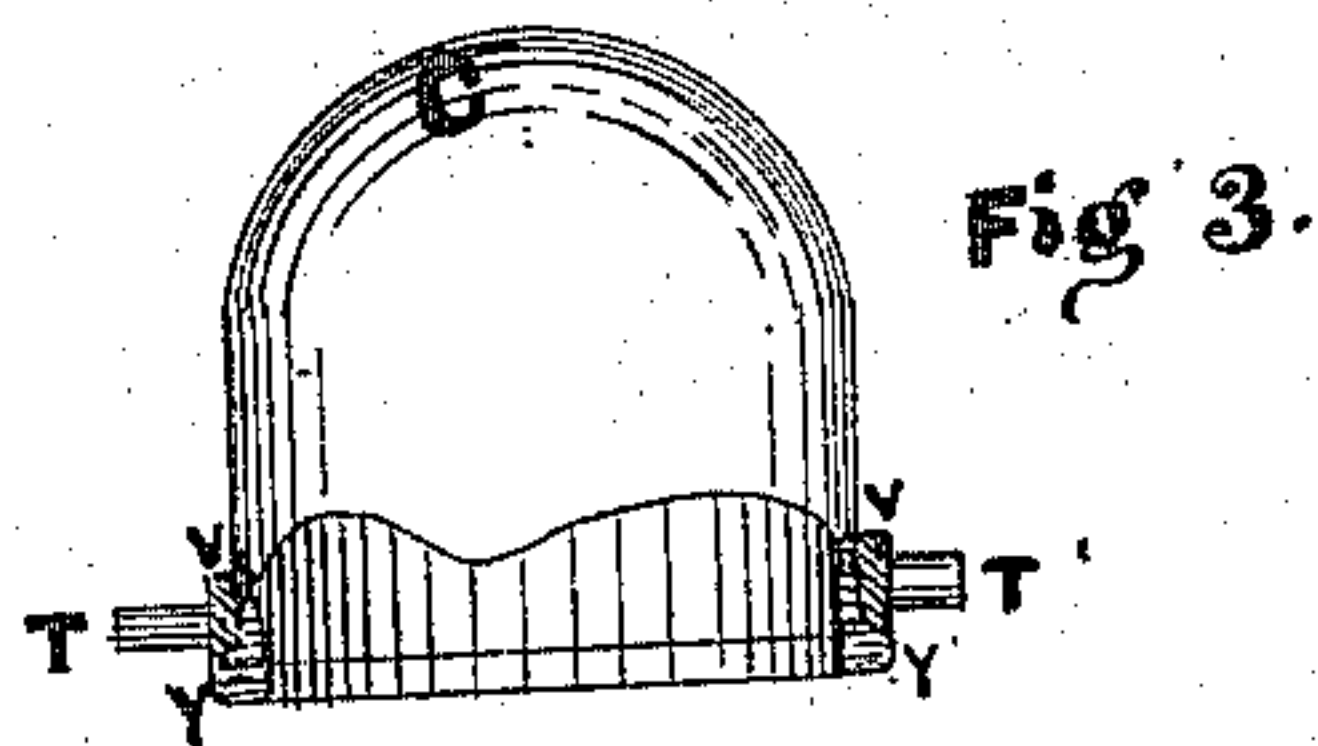
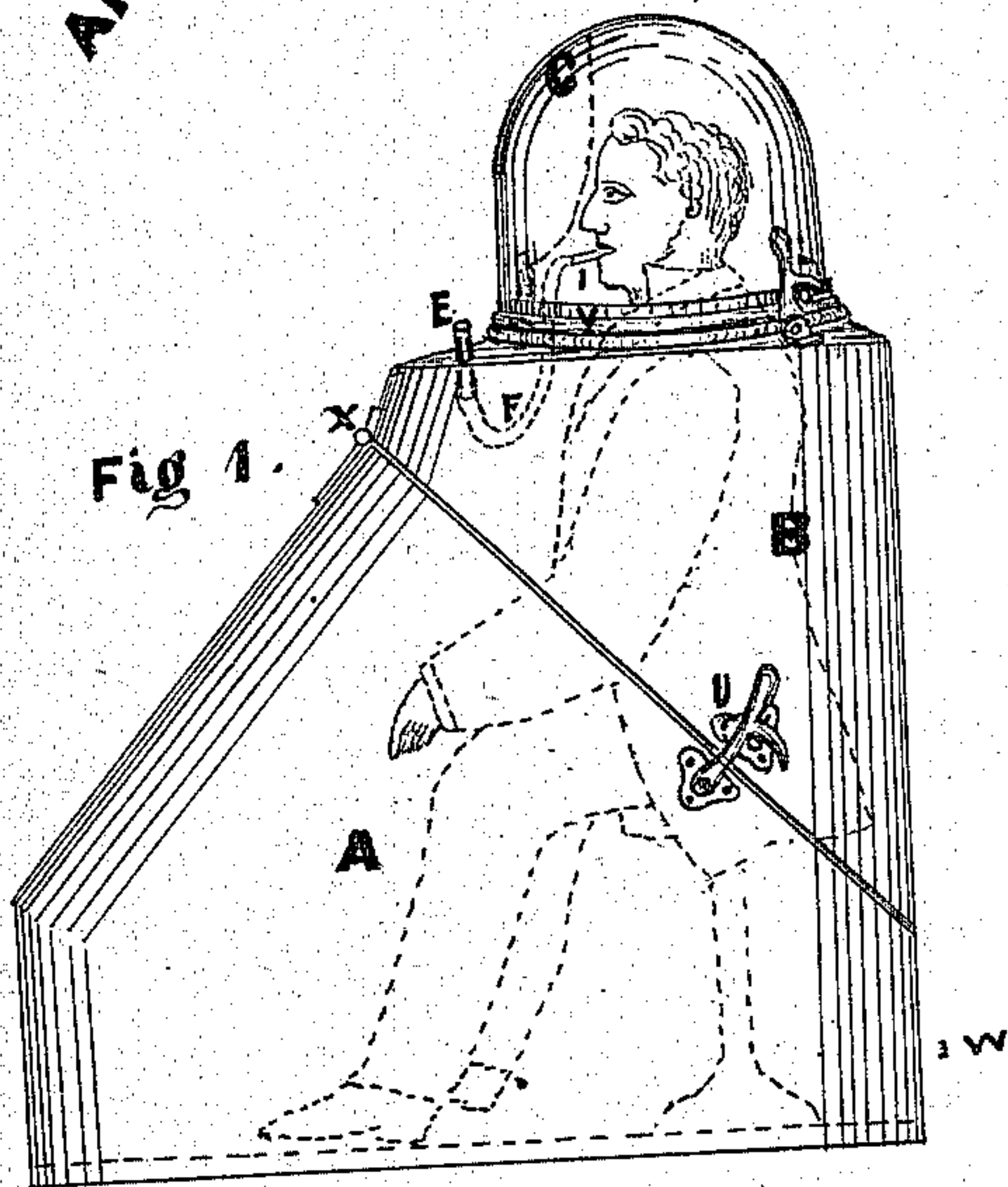


105666

AN IMPROVEMENT IN DEPURATORS.

PATENTED JUL 26 1870



INVENTOR.

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WITNESS.

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SAMUEL C. FRINK, OF INDIANAPOLIS, INDIANA.

Letters Patent No. 105,666, dated July 26, 1870.

IMPROVEMENT IN DEPURATORS.

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, SAMUEL C. FRINK, of the city of Indianapolis, county of Marion and State of Indiana, have made new and useful Improvements in an Apparatus for the Treatment of Disease by Vacuum; and I do hereby declare the following to be a full and exact description of the same, reference being had to the drawing that accompanies and forms part of these specifications.

The object of my invention is to provide a more efficient apparatus or depurator for the treatment of disease by vacuum, whereby the head and face can come under the same influence and treatment, and with equal success as other portions of the human system, and also, at the same time, the patient can sit, with ease, with the whole system inclosed, while the air is exhausted from the depurator, as shown in fig. 1 of drawing, thereby making my invention of best benefit to all persons suffering with disease of the head and face, hitherto unprovided for in this treatment.

Figure 1 represents a side elevation of the depurator, embodying my improvements.

Figure 2 represents a side elevation of the depurator, with part or side of the upper half removed.

Figure 3 represents an elevation of the flap shield, broken away on one side to show the flanges Y Y, and the position of the strap V on the glass.

Figure 4 represents the strap V.

I will now proceed to a more full and explicit representation of my invention.

Fig. 1 represents a side elevation of the depurator, in working order.

It is composed of parts or pieces, the base A, cover B, and the shield C.

The base A and cover B are made of sheet metal, with proper frame-work of wood or iron, to stiffen it, and are hinged together at x, so that the cover B can be lifted up and tipped forward to let the patient in and out.

Between the base A and cover B is a strip or tube of rubber, running all around the joint, so that, when closed and secured by the hook eccentrics U U, the joint will be perfectly air-tight. Also, the shield C, made of glass, (or part glass and metal,) in its proper position, with the patient inside.

The shield C is secured on the top of the receiver by eccentric hooks L L; also, showing the air-tube E, on the top, and outside of the depurator; also, showing the pipe F, attached to the air-tube E, on the inside; and the mouth-piece I, in the patient's mouth, thereby giving him free air from without, the same as though his face was entirely out. At the same time, his face, as well as body, is acted upon by the exhaustion of the air by an air-pump, connected at the base and rear of the depurator, as shown at W.

Fig. 2 represents a side elevation of the depurator, broken away on one side of the cover B so as to show the flange O, over which the glass shield C is fitted; also, the rubber ring or gasket D D, surrounding the flange, at its base or union with the top of the depurator, so placed as to form a perfectly air-tight joint under the shield, when it is clamped down by means of the hook eccentrics L L, or any other suitable device.

E represents the air-tube, passing through the top of the depurator, with the rubber tube F attached to the inside, and a glass, amber, metal, or wood mouth-piece, I, attached to the other end of said rubber.

Fig. 3 shows the glass shield C, made with a flange around the lower edge, as shown at Y Y. This flange is to support the band V, with the lugs T T, opposite each other, so that the shield may be clamped down perfectly tight by means of the hook eccentrics L L, or any other suitable device.

Fig. 4 represents the band V, with the lugs T T in their proper place.

I claim—

1. The shield C, to inclose the entire head and face of the patient, secured, air-tight, to the depurator, by means of hooks, packing, or equivalent device, as or for the purpose hereinbefore set forth.

2. The combination, with the shield C, inclosing the entire head and face, of the inducting-tube to supply the patient with air, as and for the purpose hereinbefore set forth.

SAMUEL C. FRINK.

Witnesses:

E. O. FRINK,
H. A. MOORE.