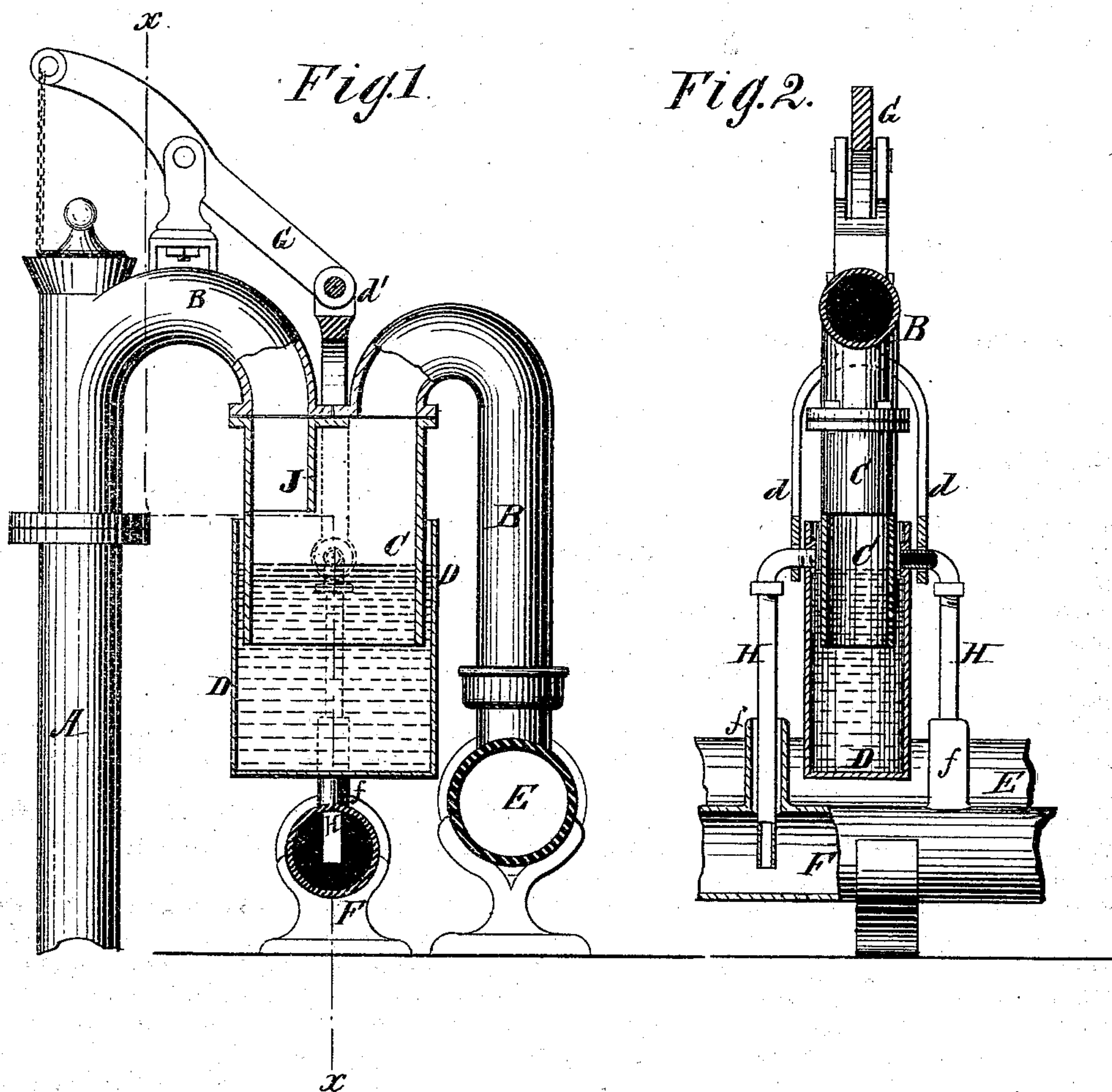


B. F. REINMUND.

Sealing Dip-Pipes of Gas-Mains.

No. 153,845.

Patented Aug. 4, 1874.



Witnesses:
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UNITED STATES PATENT OFFICE.

BENJAMIN F. REINMUND, OF LANCASTER, OHIO.

IMPROVEMENT IN SEALING DIP-PIPES OF GAS-MAINS.

Specification forming part of Letters Patent No. **153,845**, dated August 4, 1874; application filed January 5, 1874.

To all whom it may concern:

Be it known that I, BENJAMIN F. REINMUND, of Lancaster, in the county of Fairfield and State of Ohio, have invented a new and Improved Seal-Dip; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation, partly in section. Fig. 2 is a cross-section in line *xx* of Fig. 1.

The invention relates to means by which gas may be transferred from the retorts to the condenser or gas-main, as hereinafter fully described and subsequently claimed.

A represents the stand-pipe which leads from retort, and E the gas-main, the two being connected by intermediate pipes B B, which meet in a chamber, C, having division J, and open at the lower end. D is a liquid-vessel, open at the top, encircling the chamber C, and pendent, by arms and lugs *d d'*, from a lever, G. By operating this lever G the vessel D may be raised so as to bring the lower end of chamber C into the fluid in the former, and thus prevent back pressure from the gas-main while the retort is being charged. Near the upper end and on each side of the

vessel D are attached two pipes, H H, that receive the surplus liquid from said vessel and discharge it into a subjacent receptacle, F, these pipes being arranged loosely in the short open pipes *f f* so as to play up and down therein as the vessel D moves, to seal or unseal the pipes B.

I am aware that liquid-seals, in connection with gas-generators and gas-mains, are old; but none that are known are, in my judgment, so simple, cheap, and withal so efficient as mine.

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

1. The two pipes B B, one connected with the retort, the other with the main, and both terminating in the same enlargement C, having the division J, in combination with a subjacent suspended and movable vessel, D, as and for the purpose described.

2. The liquid-vessel D, provided with pipes H H and the receptacle F, having short pipes *f f*, combined in the manner and for the purpose specified.

BENJAMIN F. REINMUND.

Witnesses:

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