

No. 705,769.

Patented July 29, 1902.

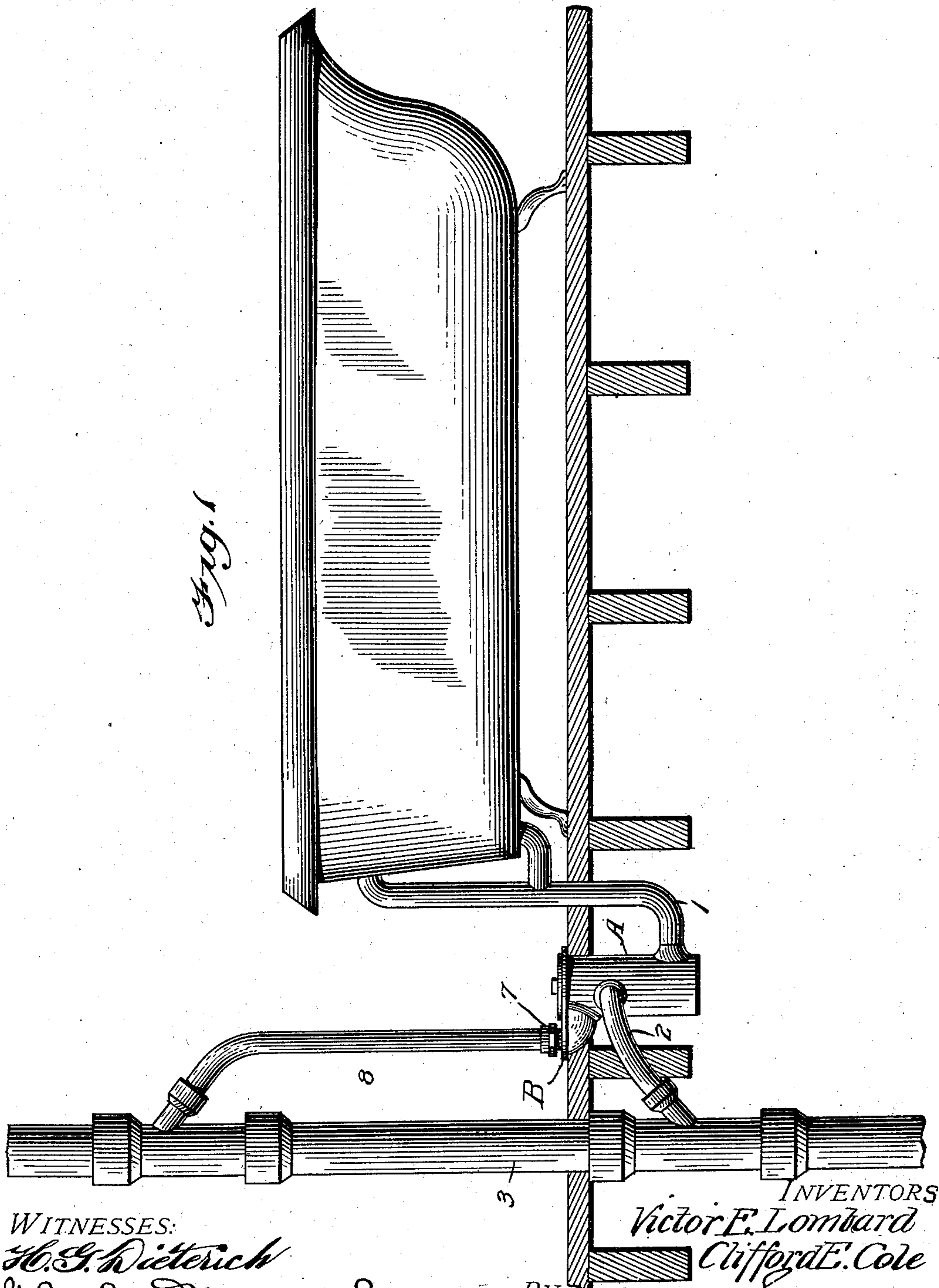
V. E. LOMBARD & C. E. COLE.

WASTE PIPE TRAP.

(Application filed Sept. 21, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:

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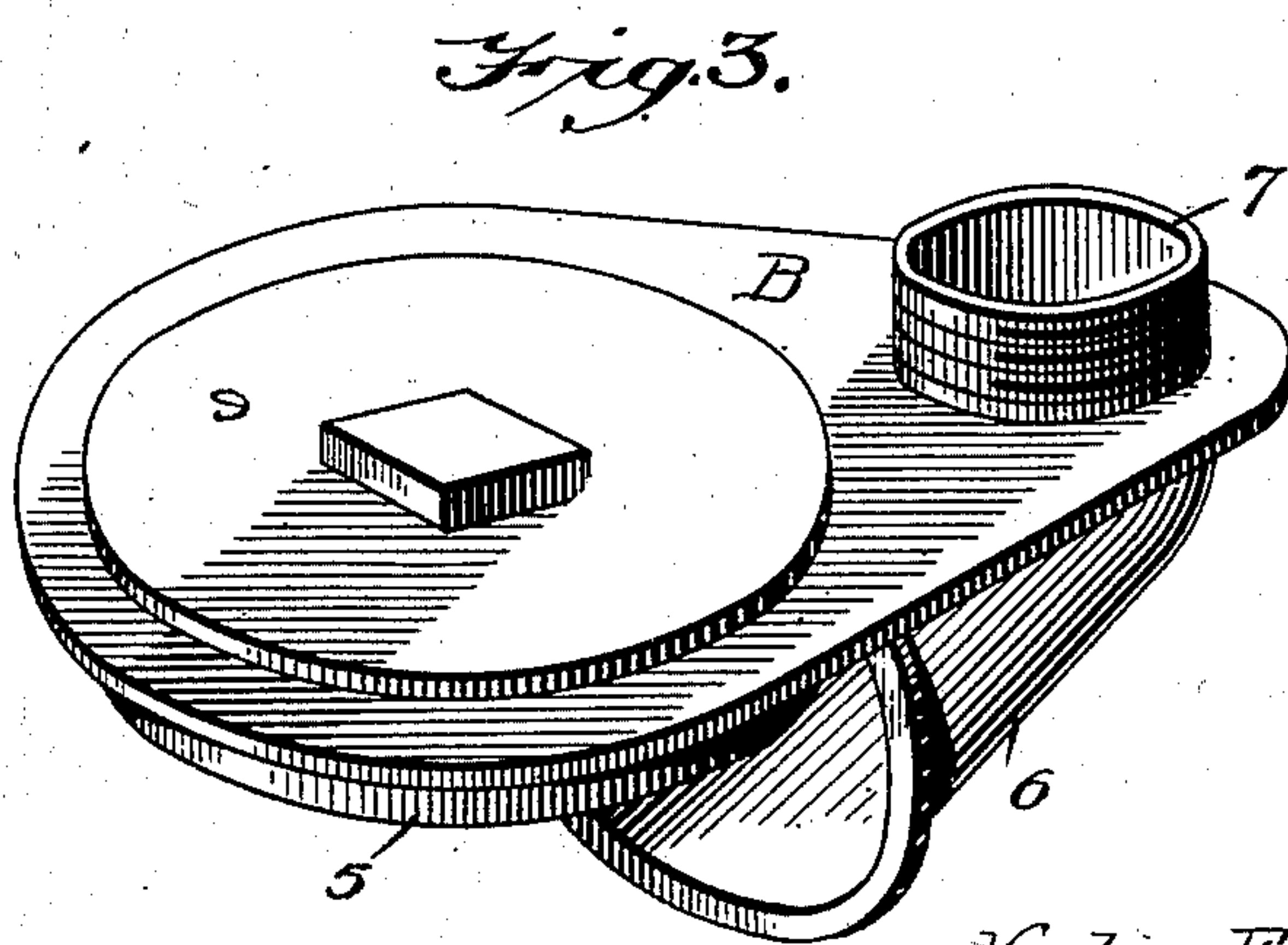
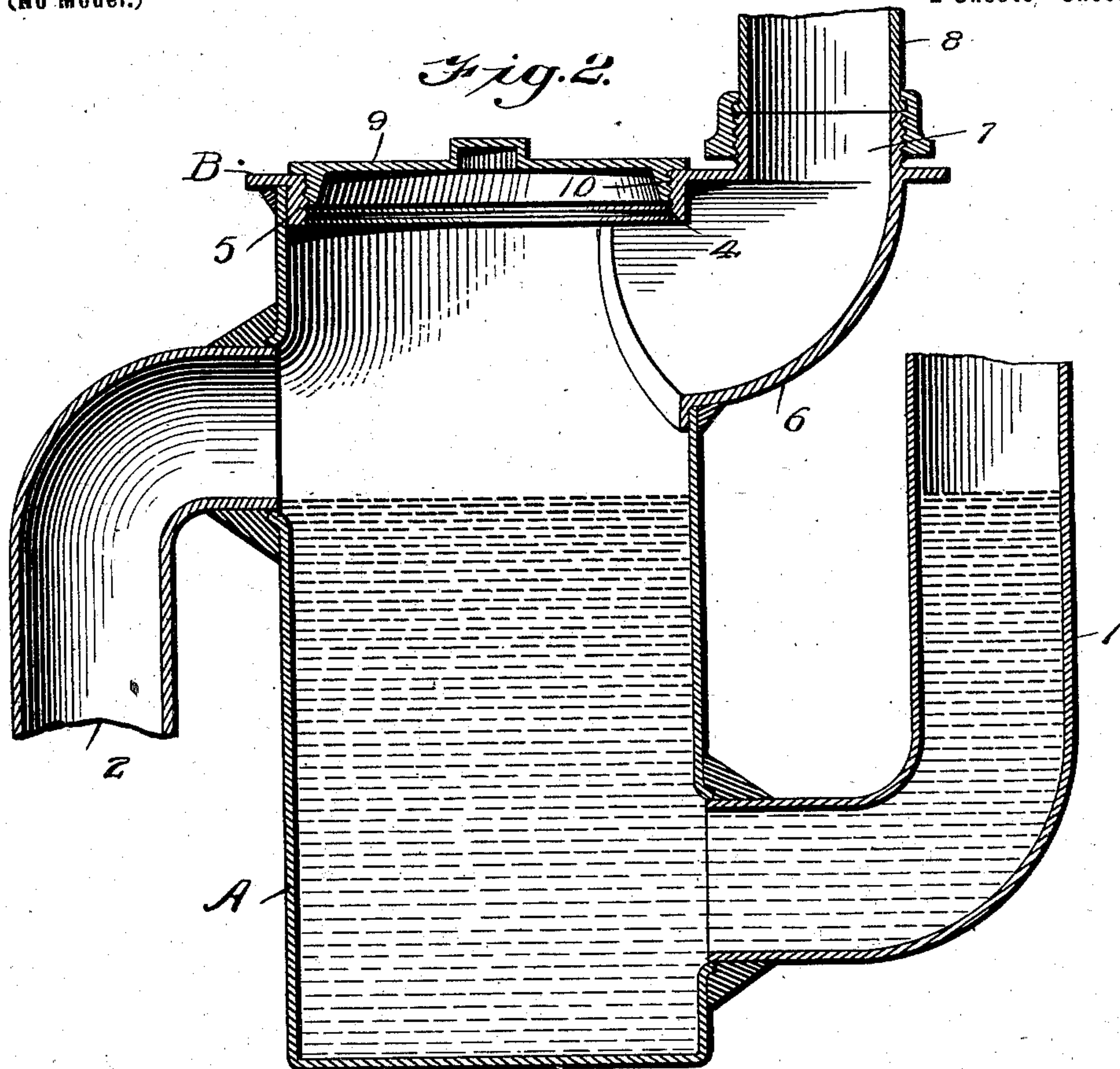
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(No Model.)

2 Sheets—Sheet 2.



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UNITED STATES PATENT OFFICE.

VICTOR E. LOMBARD AND CLIFFORD E. COLE, OF JACKSON, MISSISSIPPI.

WASTE-PIPE TRAP.

SPECIFICATION forming part of Letters Patent No. 705,769, dated July 29, 1902.

Application filed September 21, 1901. Serial No. 76,098. (No model.)

To all whom it may concern:

Be it known that we, VICTOR E. LOMBARD and CLIFFORD E. COLE, citizens of the United States, residing at Jackson, in the county of Hinds and State of Mississippi, have invented new and useful Improvements in Waste-Pipe Traps, of which the following is a specification.

Our invention has relation to improvements in waste-pipe traps; and the object is to provide a waste-pipe trap in which the trap-cover may be easily removed without disturbing the vent-coupling.

The invention consists in the novel construction of parts and in their combination, as will be hereinafter fully specified, and particularly pointed out and distinctly claimed.

We have fully and clearly illustrated our improvements in the accompanying drawings, wherein—

Figure 1 is a side elevation of the device as in operative connection to a bath-tub. Fig. 2 is a central section through the device and a waste-pipe trap of a well-known construction. Fig. 3 is a perspective view of the cover and vent-pipe extension.

Referring to the drawings, A designates a sealing-trap of the "pot" kind, into which a waste-pipe 1 leads from any point at which the water is drawn, and opposite to waste-pipe 1 is a drain-pipe 2, which leads into the main drain and vent pipe 3. The pipes 1 and 2 are sealed at their respective connections in any well-known manner. To a trap thus arranged and coupled with the requisite connections we connect our approved trap-cover and vent-pipe coupling integral therewith; and further referring to the drawings, B designates a metal plate, preferably made ovate or oval in perimetral contour, as indicated, and in the larger portion of this plate is made a round opening 4 sufficient in extent to afford ample access to the interior of the trap. About this opening is a depending circular flange 5, screw-threaded in its interior, as indicated in Fig. 2 of the drawings. At the tapering portion of the plate B on the under side is formed a pipe-opening 6 substantially semicircular in cross-section and tapering

from its mouth to its union with the plate, through which it communicates with a coupling extension 7, with which the vent-pipe 8 couples in any proper manner. The vent-pipe 8 leads into the main drain and vent pipe 3, as shown in Fig. 1 of the drawings.

To the opening in the plate B is fitted a cover 9, which is held in position by the engagement of a threaded depending flange 10 with the threads in the flange 5. A wrench-nut 11 is provided on the cover for a well-known use.

It will be perceived from the foregoing description, taken in connection with the drawings, that a free air-passage is formed and maintained through the trap and that a free circulation of air is had with the main pipe 3, so that the trap is always completely ventilated.

It is apparent the device may be equally utilized under sinks, basins, and other fixtures employing waste-pipes.

What we claim is—

1. A trap-cover and vent-pipe coupling comprising a ring having internal screw-threads and a laterally-extending vent-pipe section having an upwardly-tapering lower portion and a vertical cylindrical upper portion, and a cover formed with a depending annular flange provided with exterior screw-threads to engage the threads of the ring portion, substantially as described.

2. The combination with a trap of the kind described, having an inlet and an outlet pipe, of a trap-cover and vent-pipe coupling comprising a ring having internal screw-threads, and formed with a laterally-projecting vent-pipe coupling having an inclined upwardly-flaring portion and vertical pipe portion, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

VICTOR E. LOMBARD.

CLIFFORD E. COLE.

Witnesses:

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