

(No Model.)

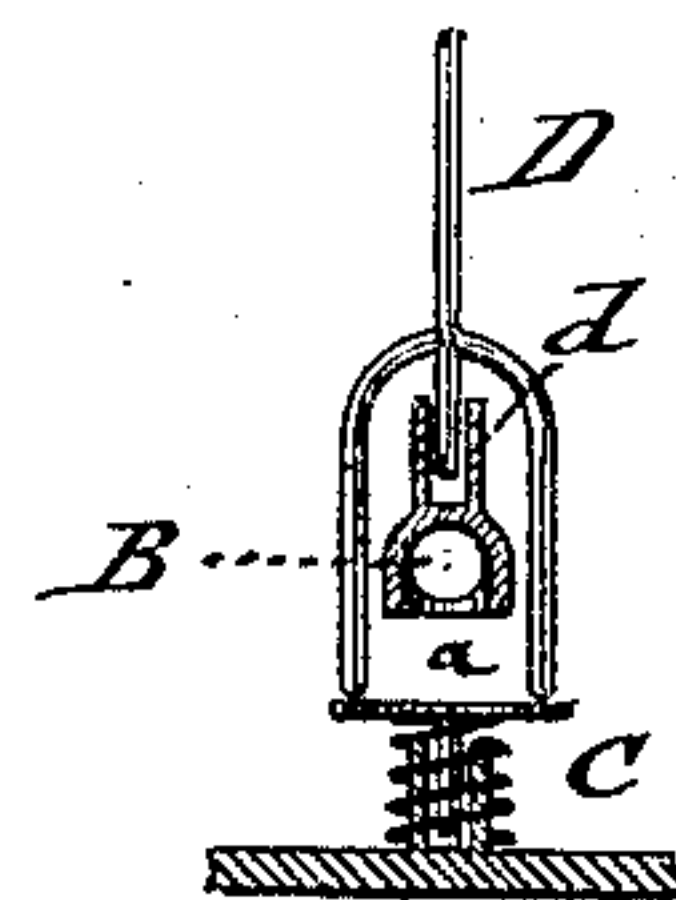
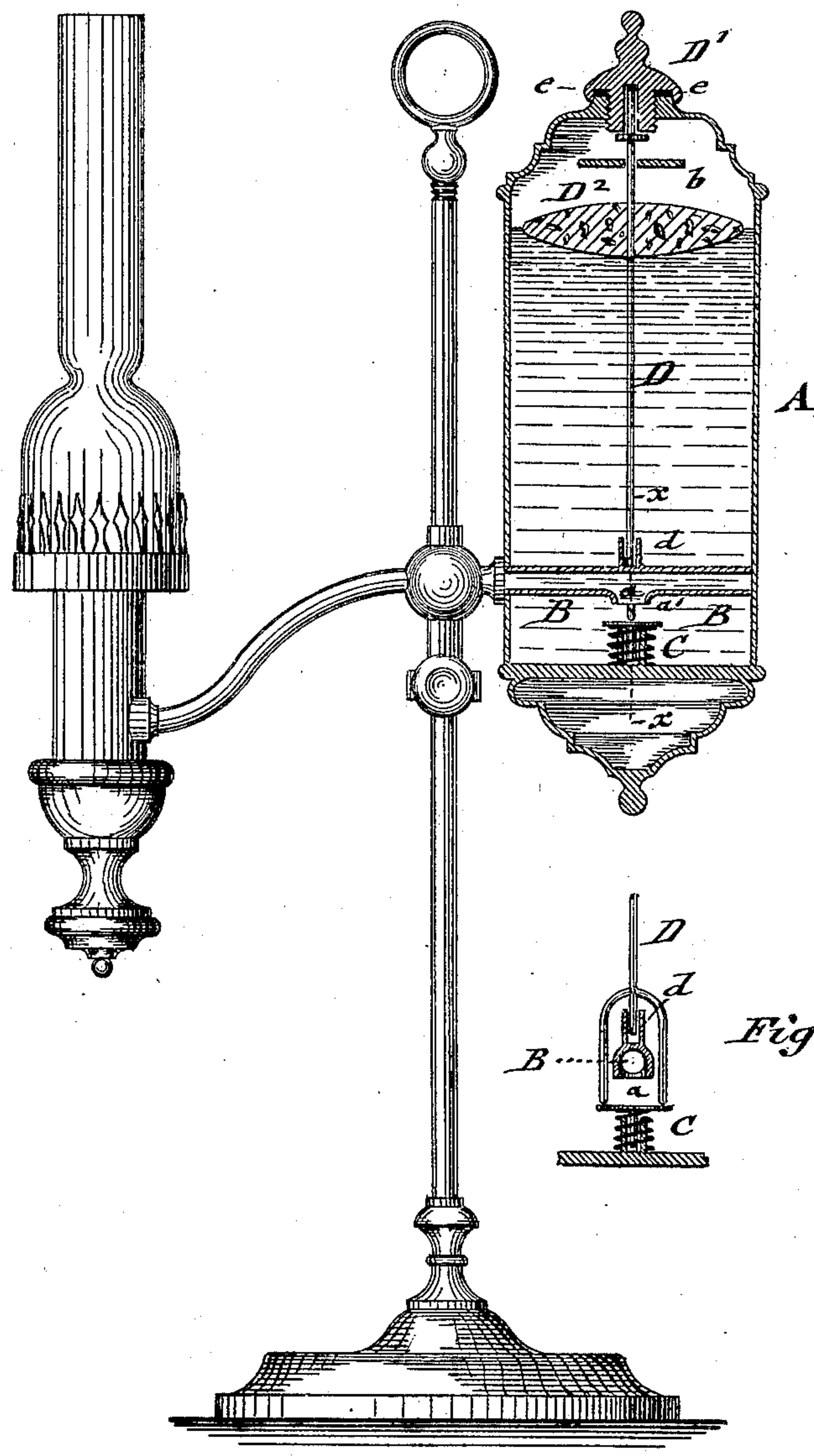
2 Sheets—Sheet 1.

J. KASSCHAU.  
OIL FOUNT OR RESERVOIR.

No. 257,340.

Patented May 2, 1882.

*Fig. 1*



*Fig. 2.*

WITNESSES:

*Joh. H. Rosenbaum.*  
*Otto Risch.*

INVENTOR

*Jürgen Kasschau*  
BY *Rue Goppel*  
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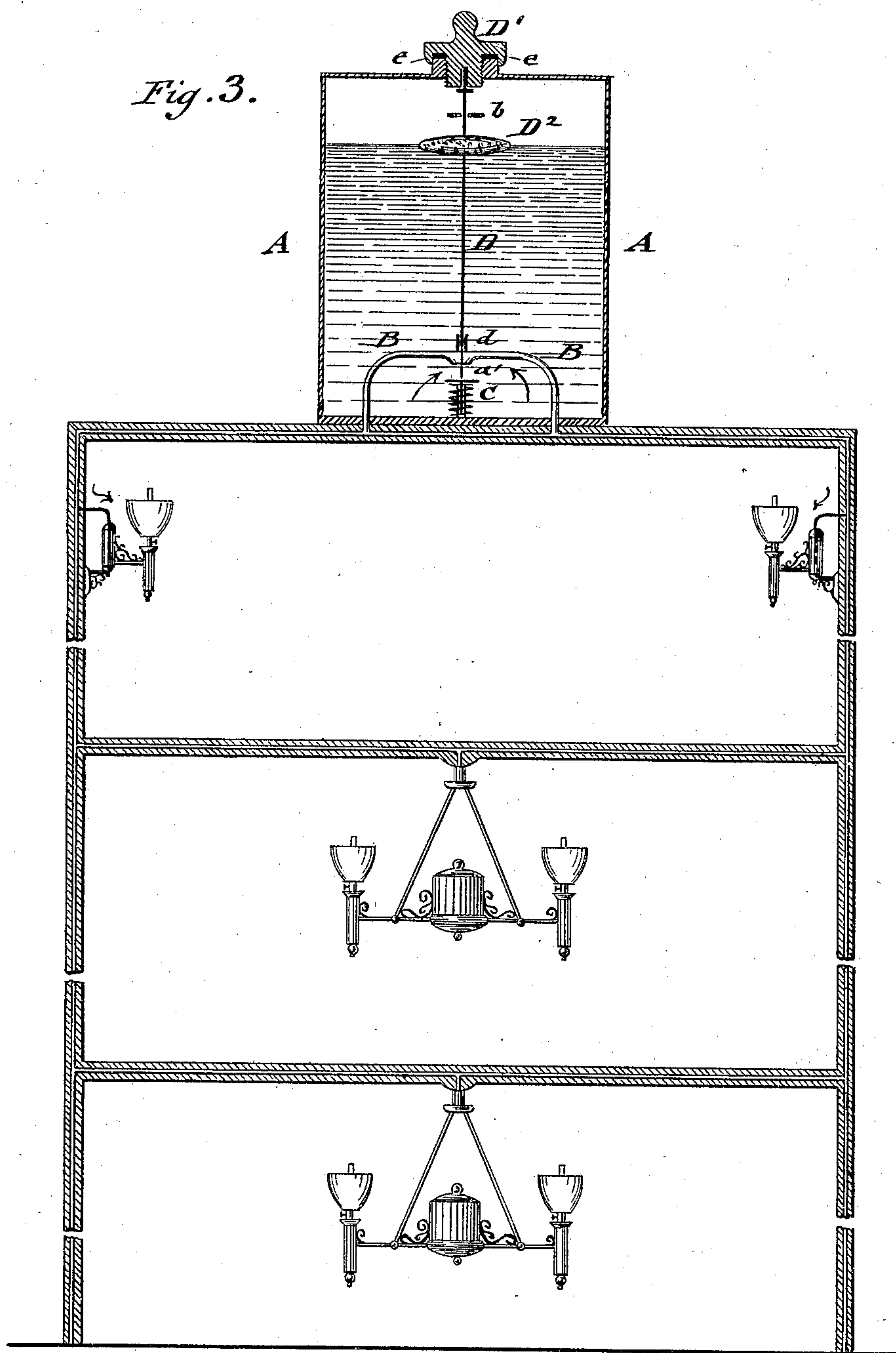
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# UNITED STATES PATENT OFFICE.

JÜRGEN KASSCHAU, OF NEW YORK, N. Y.

## OIL FOUNT OR RESERVOIR.

SPECIFICATION forming part of Letters Patent No. 257,340, dated May 2, 1882.

Application filed January 16, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JÜRGEN KASSCHAU, of the city, county, and State of New York, have invented certain new and useful Improvements in Oil Founts or Reservoirs, of which the following is a specification.

This invention has reference to an improved oil fount or reservoir for student and other lamps.

10 In the accompanying drawings, Figure 1 represents a vertical central section of the fount of a student's lamp. Fig. 2 is a detail vertical transverse section on line *xx*, Fig. 1; and Fig. 3 is a vertical central section of a reservoir ar-  
15 ranged to supply a number of lamps.

Similar letters of reference indicate corresponding parts.

Referring to the drawings, A represents an oil fount or reservoir for students' or other  
20 lamps, said fount or reservoir being of any suitable size and shape, and provided at the lower part with one or more oil-discharge pipes, B, the common opening *a* of which is closed by a vertically-guided and spring-act-  
25 uated valve, C, at the bottom of the fount or reservoir. The valve *e* is tightly pressed against the seat *a'* of the opening *a* of the discharge-pipe B by its spring whenever a spindle, D, which is pressed down upon the valve C by  
30 means of a screw-cap, D', at the top of the fount or reservoir, is released. This is accomplished by unscrewing the cap D, whereby the pressure upon the valve C is removed and the spindle D lifted thereby. The spindle D is  
35 guided by a fixed diametrical guide-piece or bridge, *b*, at the top part of the fount, and by a socket, *d*, or other guiding device at the lower part of the same, the lower end of the spindle being made of fork shape, so as to straddle  
40 the discharge-pipe and pass alongside of the same to the valve C, as shown clearly in Fig. 2.

The spindle D is provided near the filling-orifice of the fount or reservoir A with a float, D<sup>2</sup>, of cork or other suitable material, by  
45 which the spindle is lifted so as to project to some distance above the upper edge of the top

opening whenever the fount or reservoir is filled with oil to the proper height. The float D<sup>2</sup> is stopped by the bridge *b* when the fount is practically filled. The screw-cap D' is then  
50 screwed in and hermetically closed by means of an interposed elastic washer, *e*.

The fount may be used in connection with a single or double student's lamp; or it may be arranged as a central supply-reservoir on the top  
55 floor of a building, it being in this case connected with the lamps in the building by means of oil-supply pipes, which extend down to the lamps and into the founts of the same, as shown in Fig. 3, the central reservoir sup-  
60 plying the oil to the lamps in the same manner as but with considerable less trouble than in the common students' lamps.

If the reservoir be made large enough, a large number of lamps can be supplied, which  
65 is of great advantage in factories, public and private buildings. The central reservoir has, however, to be provided with a waste-pipe for discharging the contents, in case of fire, into the sewer. The lamps of each story may also  
70 be supplied by a separate pipe, so as to prevent any possibility of an overflow.

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

The combination of a fount or reservoir, a  
75 screw-cap at the top thereof, an eduction-pipe having a valve-opening opposite the screw-cap, a spring-actuated valve adapted to close automatically, a perforated guide-piece or  
80 bridge below the top of the fount, a forked spindle passing through said guide-piece, the lower end of which rests upon the valve, while the upper end is adapted for contact with the screw-cap, and a float upon said spindle, sub-  
85 stantially as described.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JÜRGEN KASSCHAU.

Witnesses:

PAUL GOEPEL,  
CARL KARP.