

(No Model.)

2 Sheets—Sheet 1.

R. PHILLIPS.
PORTABLE PUMP, &c.

No. 326,146.

Patented Sept. 15, 1885.

Fig. 1.

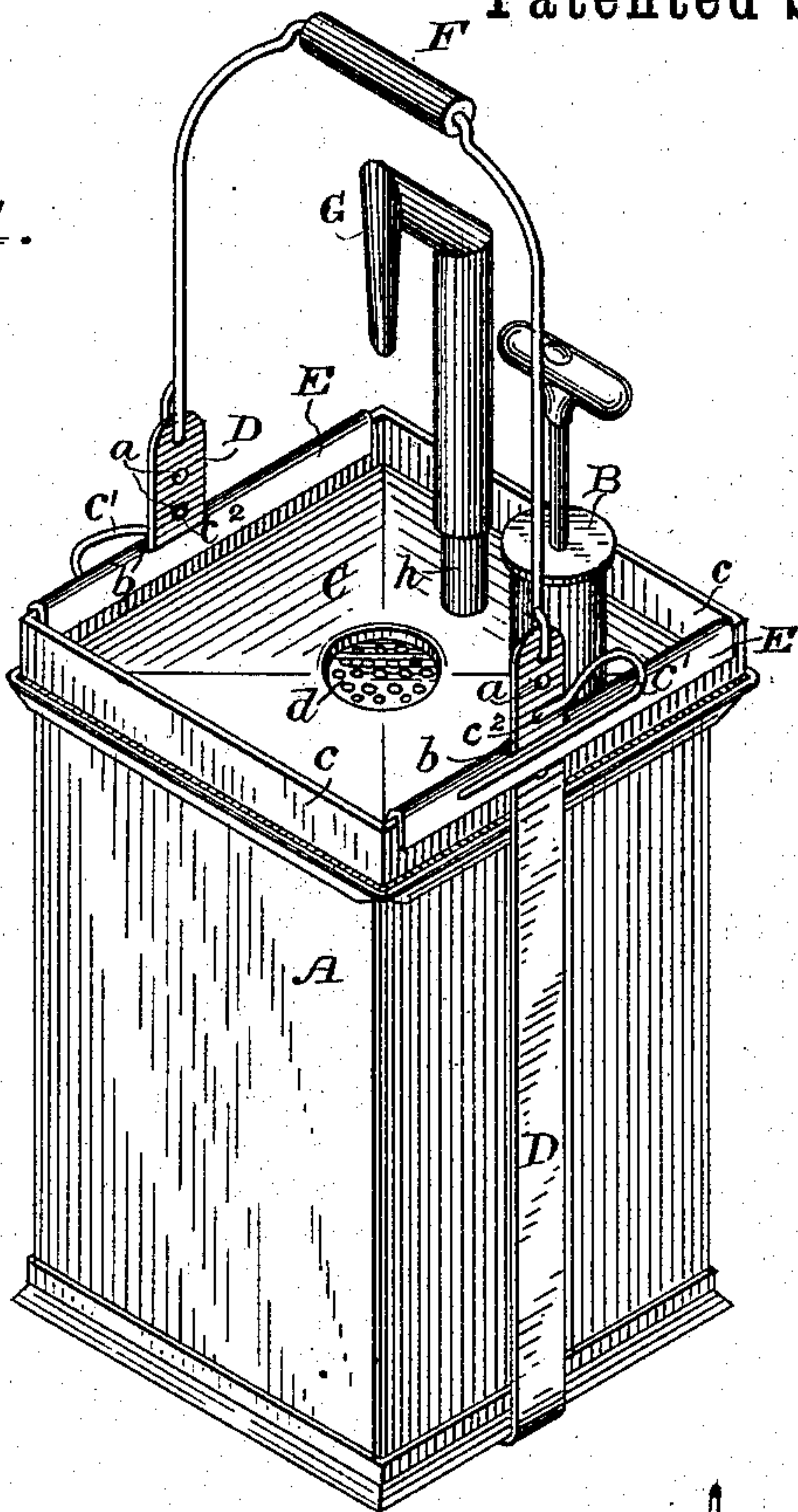


Fig. 2.

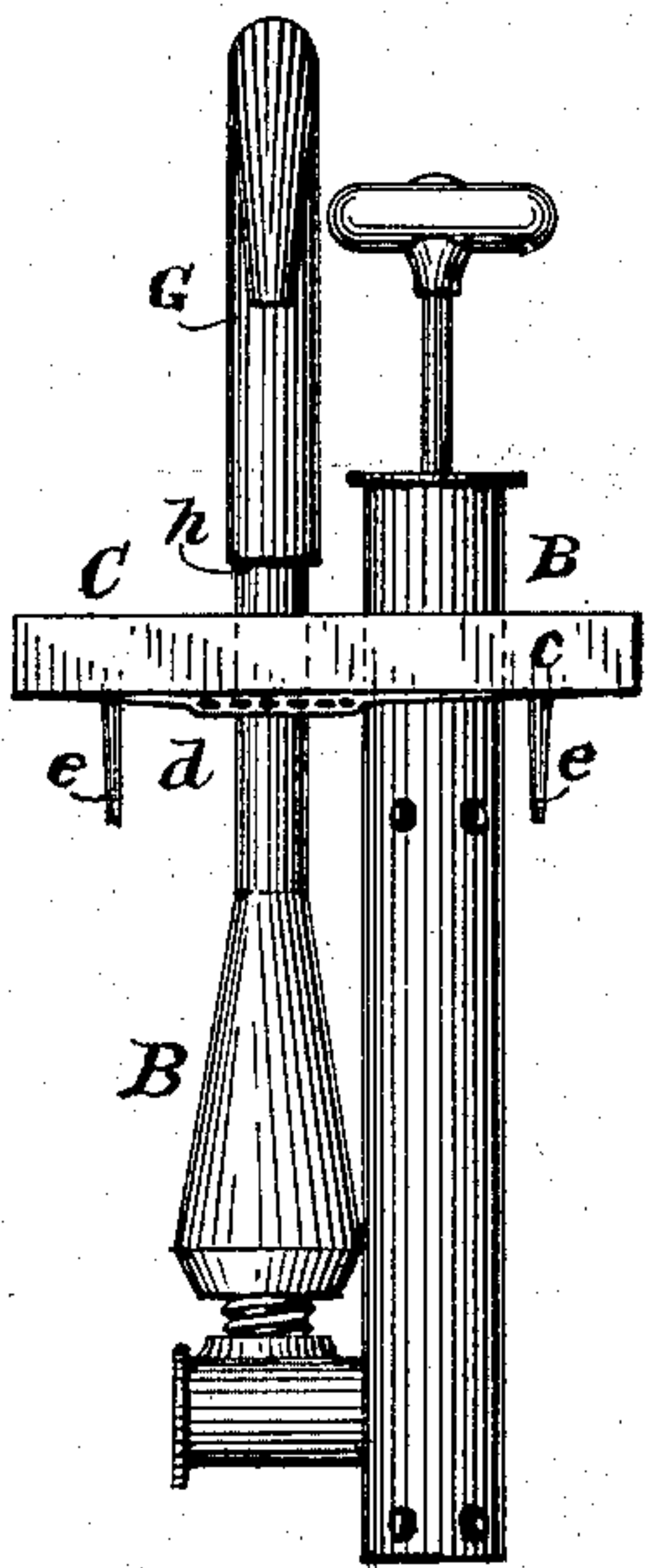
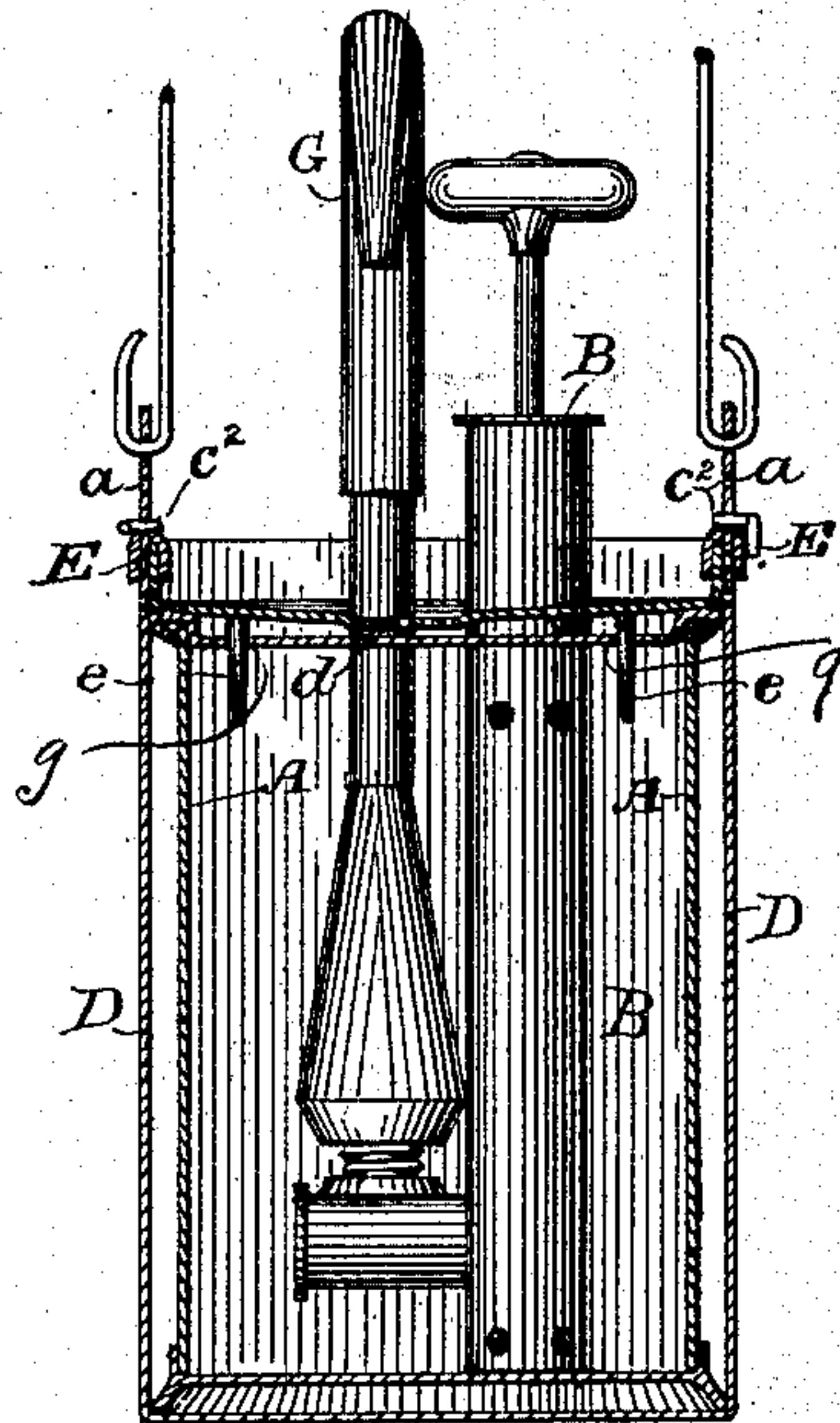


Fig. 3.



WITNESSES

Jos. S. Linn
J. B. Noyes

INVENTOR

Richard Phillips
By his Attorney
J. R. Little

(No Model.)

2 Sheets—Sheet 2.

R. PHILLIPS.
PORTABLE PUMP, &c.

No. 326,146.

Patented Sept. 15, 1885.

Fig. 4.

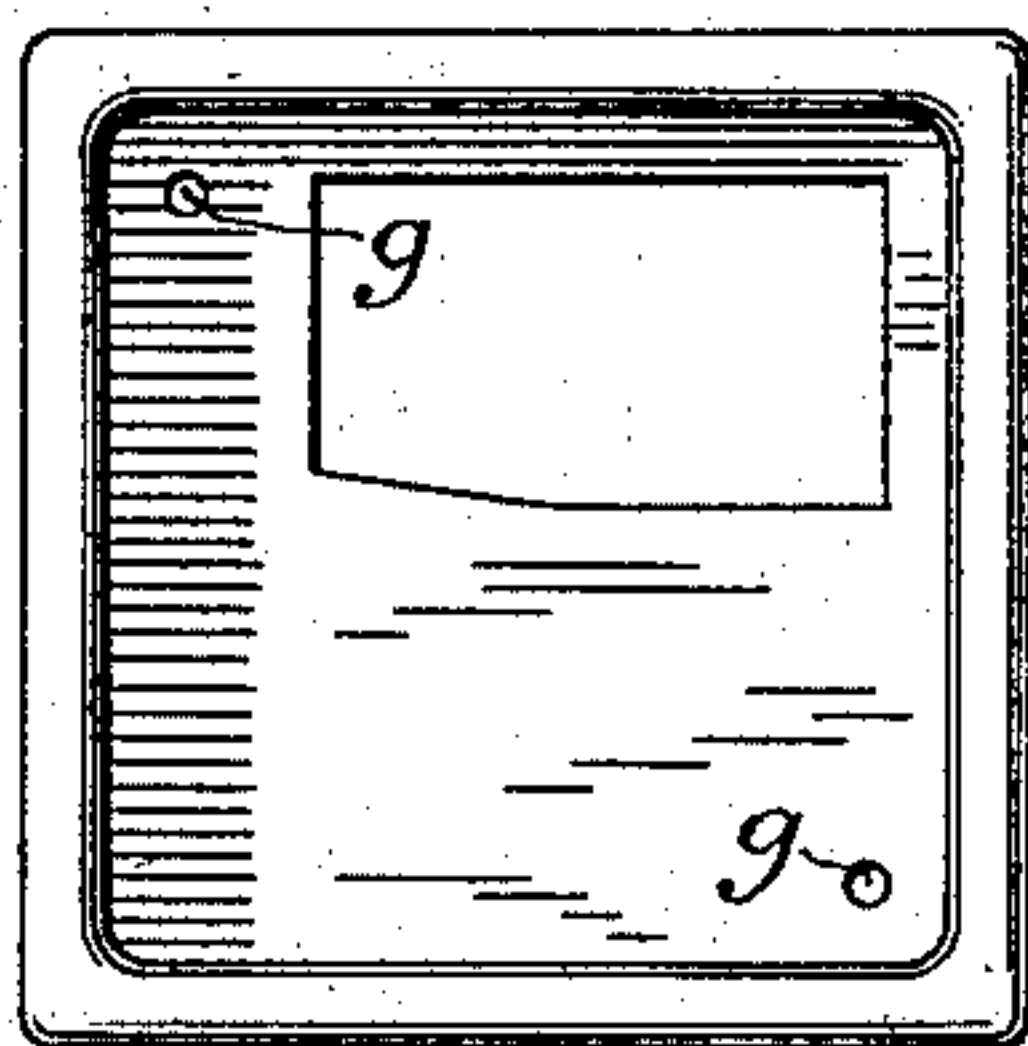


Fig. 5.

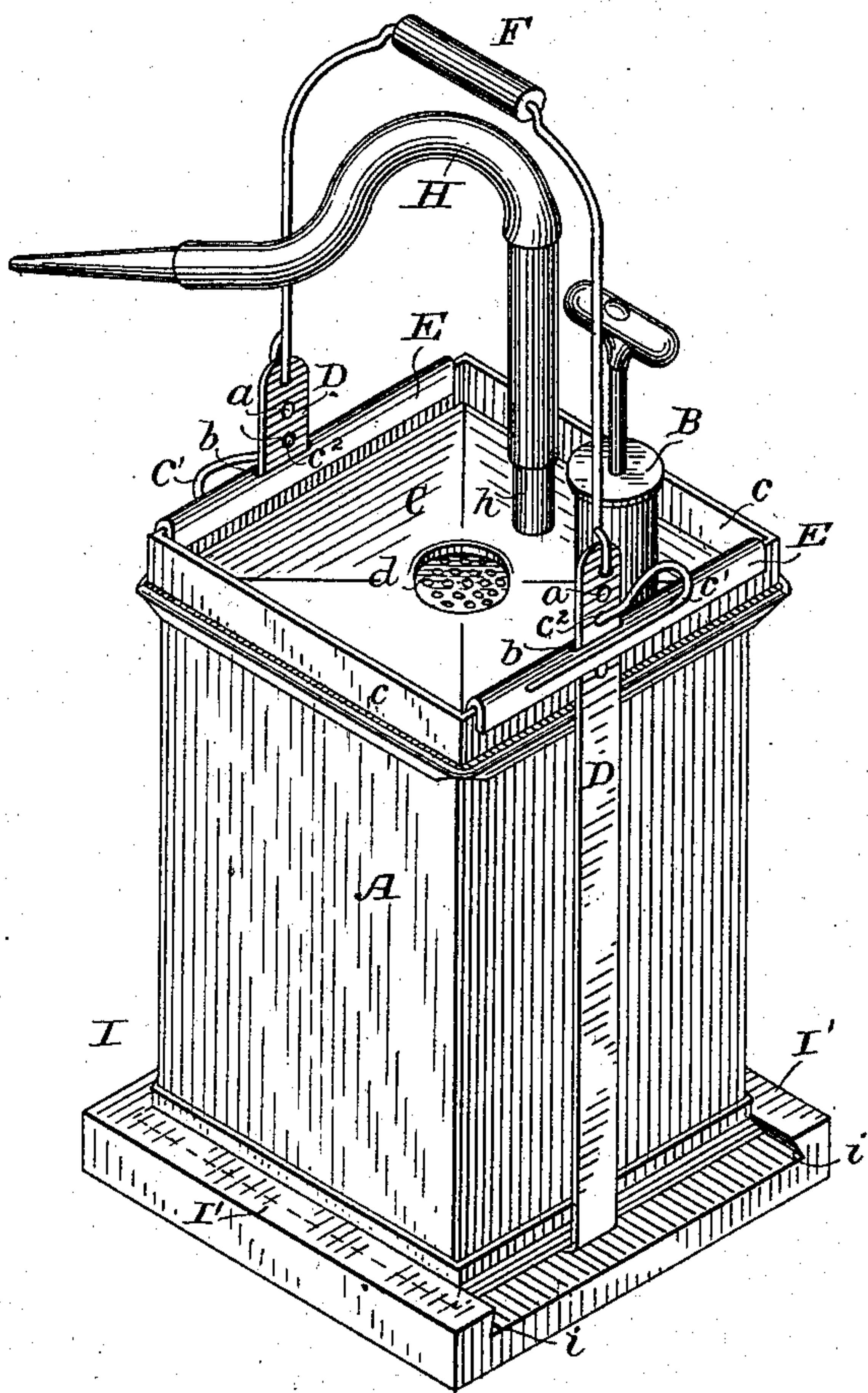
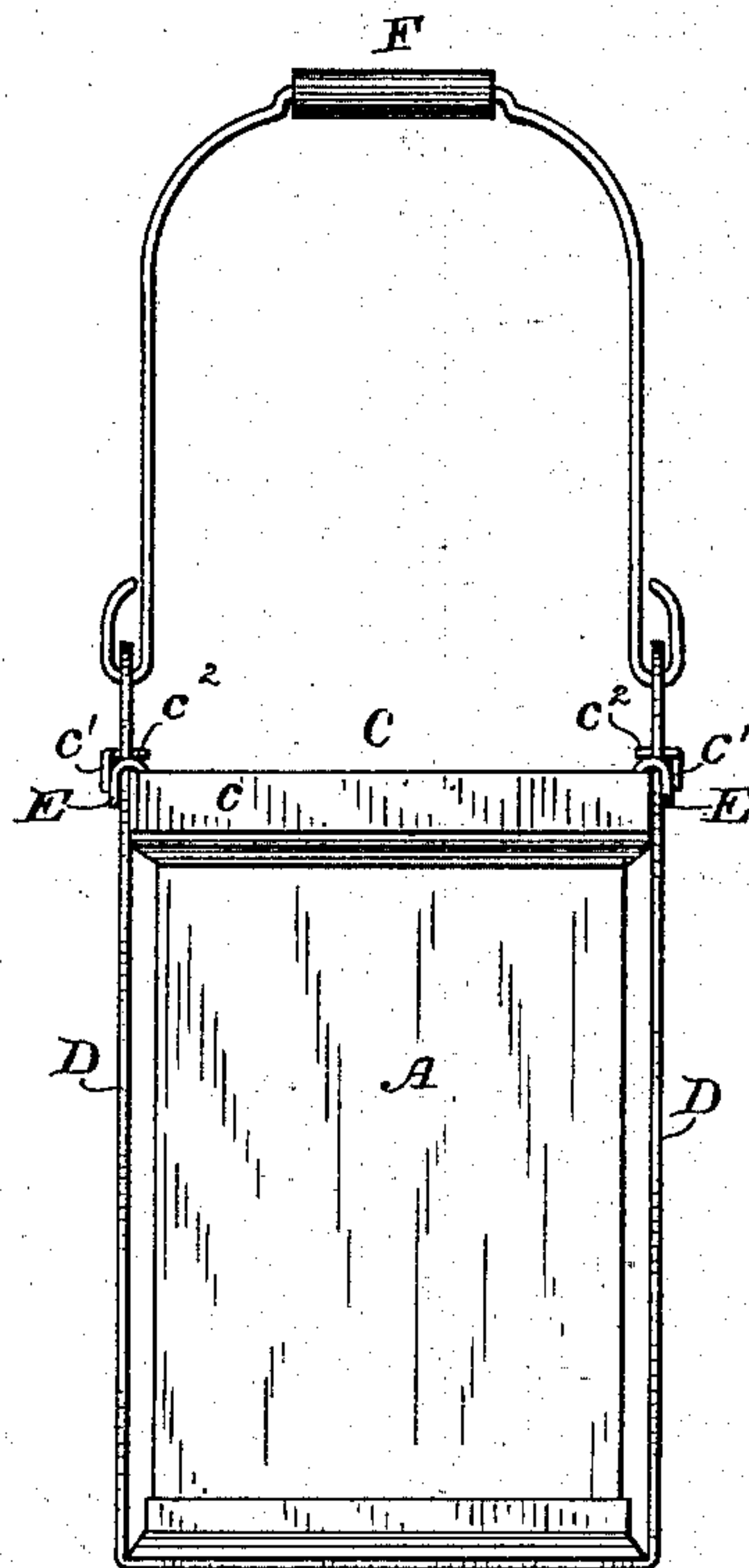


Fig. 6.



WITNESSES

Jos. S. Lahmer
J. B. Noyes

INVENTOR

Richard Phillips
By his Attorney *R. Little*

UNITED STATES PATENT OFFICE.

RICHARD PHILLIPS, OF NACOGDOCHES, TEXAS.

PORTABLE PUMP, &c.

SPECIFICATION forming part of Letters Patent No. 326,146, dated September 15, 1885.

Application filed June 12, 1885. (No model.)

To all whom it may concern:

Be it known that I, RICHARD PHILLIPS, of Nacogdoches, in the county of Nacogdoches and State of Texas, have invented certain new and useful Improvements in Portable Pumps and Means for Securing the same to Vessels, of which the following is a full, clear, and exact description.

My invention relates particularly to that class of small pumps adapted for attachment to small vessels containing oil, water, or any other liquid.

The invention consists in certain details of construction and means whereby the pump can be readily and securely attached to the vessel from which the liquid is to be pumped, the means for securing the pump to the vessel being also adapted to be used in connecting a handle with the vessel, or in providing a handle for a vessel which is without one, all as will be hereinafter particularly described, and pointed out in the claims.

In the accompanying drawings, in the different figures of which like parts are designated by like letters of reference, Figure 1 is a perspective view of an ordinary oil-can fitted with my improvements. Fig. 2 is a front elevation of the pump with its tray removed from the can. Fig. 3 is a vertical longitudinal section. Fig. 4 shows how the top of an ordinary oil-can is treated to receive my pump. Fig. 5 is a perspective view showing the oil-spout removed and a section of a hose with nozzle for use as a fire-extinguisher applied to the pump-outlet. Fig. 6 is a detail showing my device adapted as a handle for a vessel.

The letter A designates the can-body or vessel, which, although shown of right parallelo-piped form, may be of any suitable shape or size.

B represents a pump of ordinary construction and adapted for the purpose. Near the upper end of the pump's cylinder is secured a tray, C, having its edge bounded by flange *c*, to prevent the overflow of liquid. The tray is made with an opening covered with straining material *d*. Suitable pins, *e*, are fitted on the under side of the tray for a purpose to appear hereinafter.

When it is desired to apply the pump to an

oil-can, a suitable opening, *f*, for the passage of the pump-cylinder, is cut in the top of the can, as clearly seen in Fig. 4. Two small holes, *g*, are also made for the passage of the pins *e* to prevent horizontal movement of the tray upon said can.

As a further means for securing the tray and pump to the vessel, I have devised the following: A band, D, long enough to pass beneath the vessel and up the sides beyond the edge of the tray, is provided with a number of holes, *a*, at its ends. A grooved or folded strip, E, is made with a slot, *b*, at its middle portion, and is provided at its side with a spring-arm, *c'*, having the hook or bent end *c''*. When the parts are thus constructed, the band is placed about the vessel so that its end will project above the edges of the tray. The grooved strips are slipped down upon the ends of the band, permitting them to pass through the slots *b*, so that the grooves fit upon the opposite flanges of the tray. The bent end *c''* of the spring-arm will then project into one of the holes *a*, which will prevent the upward movement of the tray with its pump, all as will be clearly understood from Fig. 1.

It is desirable to secure an ordinary bail or handle, F, to the ends of the band D to form a convenient means whereby the vessel may be carried from place to place.

The means I have just described for clamping the tray in place will be found admirably adapted for use in connection with vessels which are not provided with handles, and, as shown in Fig. 6, can be applied to any ordinary vessel.

The spout G is made removable from the outlet *h*, so that the hose or tube H shown in Fig. 5 may be substituted when the pump is to be used as a fire-extinguisher or for some similar purpose.

I may in some instances use a block or rest, I, having a groove, *i*, into which the lower edge or flange of the vessel may project. This block has a projecting edge, I', upon which the foot may be held while operating the pump to steady the apparatus.

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

1. The combination, with the pump, of the tray secured near the upper end of the cylin-

der thereof, said tray having an opening in its bottom and holding-pins on its under side, substantially as described.

2. The combination, with a vessel, of the
5 band passing beneath the same and extending up the sides and above the edge thereof, grooved or folded strips E to engage the edge of said vessel, and means for securing said strips to the ends of said band, substantially
10 as described.

3. The combination, with a vessel, of the band passing beneath the same and extending up the sides and beyond the edge thereof, the
15 grooved strips E, engaging the edges of the vessel, means for securing the same to the band, and a bail secured to the projecting ends of said band, as set forth.

4. The combination, with the band for ex-

tending around a vessel substantially as described, of the grooved or folded strips adapted to engage the upper edge of a vessel, and means for securing said strip to the ends of said band, as set forth. 20

5. The combination, with the band for extending about a vessel as shown, of a folded
25 or grooved strip to engage the edge of a vessel, means for securing said strip to the ends of said band, and a bail connected with the ends of said band, as set forth.

In testimony whereof I affix my signature in
30 presence of two witnesses.

RICHARD PHILLIPS.

Witnesses:

G. B. CRAIN,
W. H. CROUCH.