J. DILLON.

Pump-Box.

No. 169,092. Patented Oct. 26, 1875.

Fig. 1.

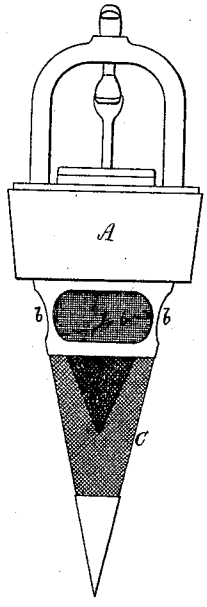
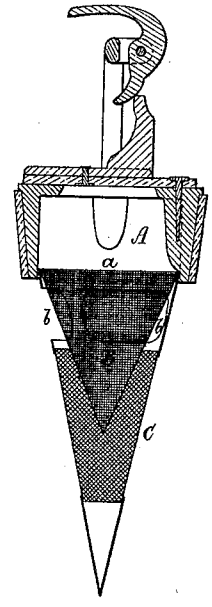


Fig. 2.



Witnesses.
S. N. Pipes.
L. W. Möller

James Dillon.
by his attorney.
R. H. Eddy

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JAMES DILLON, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN PUMP-BOXES.

Specification forming part of Letters Patent No. **169,092**, dated October 26, 1875; application filed August 10, 1875.

To all whom it may concern:

Be it known that I, JAMES DILLON, of Lynn, of the county of Essex and State of Massachusetts, have made a new and useful invention having reference to Pump-Boxes; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 denotes a front elevation, and Fig. 2 a vertical section, of a pump lower box provided with my invention.

In carrying out such invention I provide the box A with a conical or other proper shaped strainer, B, which I usually make of fine wire netting or gauze, it being to cover the mouth *a* of the box; and, furthermore, I arrange below such strainer, and connect to the box, an auxiliary one, C, having large openings in its upper part. The said auxiliary strainer I prefer to have conical in shape, and extend from the box in manner as shown in the drawings, the auxiliary strainer being made to encompass the main one. This auxiliary strainer is to catch and retain the sand and foreign matters that may fall from the main strainer while water or a liquid may be in the act of being drawn up through it, or afterward, and thereby prevent such matters from dropping back into the induction-pipe, so as to gather therein.

By raising the box out of the pump-barrel the matters collected in the lower strainer can be easily removed therefrom, such lower strainer also serving to protect the upper one in other respects.

I claim—

In combination with a pump-box, A, and a main strainer, B, extended across the induct of said box, an auxiliary strainer, C, provided with one or more openings, *b*, all being substantially as represented.

JAMES DILLON.

Witnesses:

R. H. EDDY,

J. R. SNOW.