

J. DILLON.  
Pump-Box.

No. 169,092.

Patented Oct. 26, 1875.

Fig. 1.

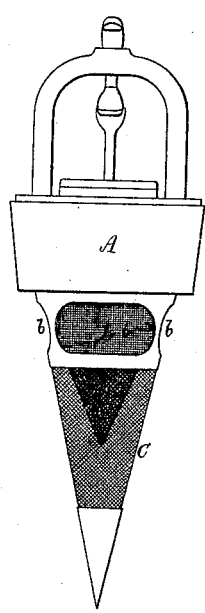
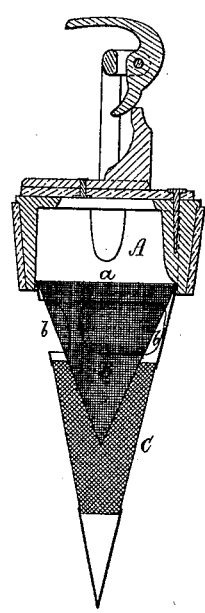


Fig. 2.



Witnesses  
S. H. Piper.  
L. W. Miller.

James Dillon.  
by his attorney  
R. H. Eddy

# 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 encom-

pass 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.