7235X

M. BUCKLIN.

Cylinder Pump.

Patented Oct. 25, 1832.

Fig. 1.

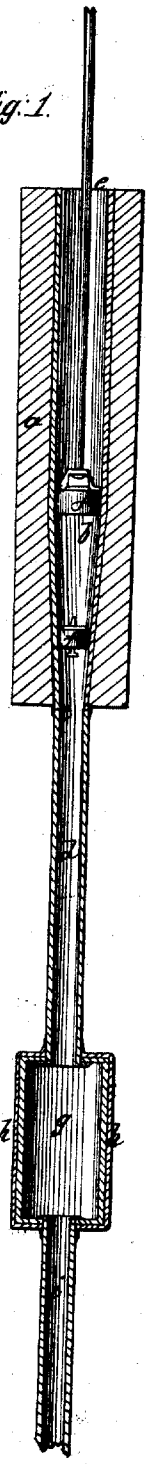
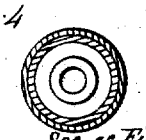
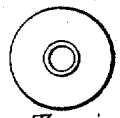


Fig. 4



Sec. of Fig. 2.

Fig. 3



Top view of Fig. 2.

Fig. 2.

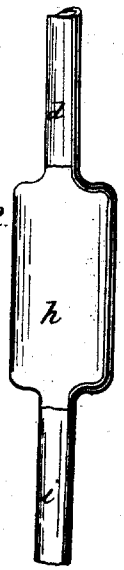
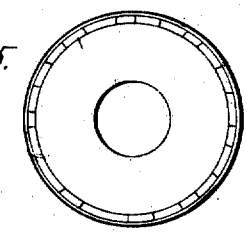
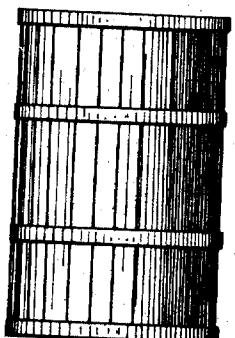


Fig. 5.





Side view of air vessel

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

7235X

Ar. 14
Oct 25 1832

238

Moses Bucklin
Letters Patent

The Schedule referred in these Letters Patent and making part of the same containing a description in the words of the said Moses Bucklin himself of his improvement in the construction of Water Pumps

---

To all to whom these presents shall come. Be it known that Moses Bucklin of Grafton in the County of Grafton & State of New Hampshire have invented a new & useful improvement in the construction of water pumps & that the following is a full & exact description of the construction & operation of the said machine as invented or improved by me viz. A log or stock is prepared in the usual form of common suction pumps of length proportioned to the depth of the well. this being bored thro' & trimmed from the top nearly to the bottom is prepared for a lining or chamber to be of lead composition or other metal convenient at the bottom to the form of the trimmer used in boring the log or pipe in order to be used. A piece of lead pipe is then soldered to this chamber & entered at the top or upper end of the log and thro' at the bottom & so then to be brought down with a quick & smart motion which will shape it to the trimming of the log & make it tight. In this chamber or lining the hopes are placed & are in the usual form. The log or stock is now fitted for setting up which may be over the well or at a distance from it as the owner wishes. When water is to be drawn a considerable distance a great improvement consists in making a vacuum or air vessel in the pipe near the pump. This vessel I make of white oak or other suitable timber in the shape of a keg without a bilge & have a piece of pipe fixed in each end & near the side with one to go down & this is then to be covered with sheet lead perfectly tight. The pipe is joined a few feet from the pump with that in the ground & thus the friction and expense to the water. The said Bucklin claims as an improvement in said pump the having said chamber & the pipe soldered to it thereby preventing all liability of leaking & making said manner of making

7235X

evening it with Love Long perfectly healthy & life insurance Have expire
in any other mutual Insurance or Annuity

Witnesses
Saml Cuff
N. W. Rodgers

Mutual Benefit Life

448 Broadway

Ex'r.
Cl'k W.