

E. D. Brown,

Pump Piston,

Nº 61,311,

Fig. 1.

Patented Jan. 22, 1867.

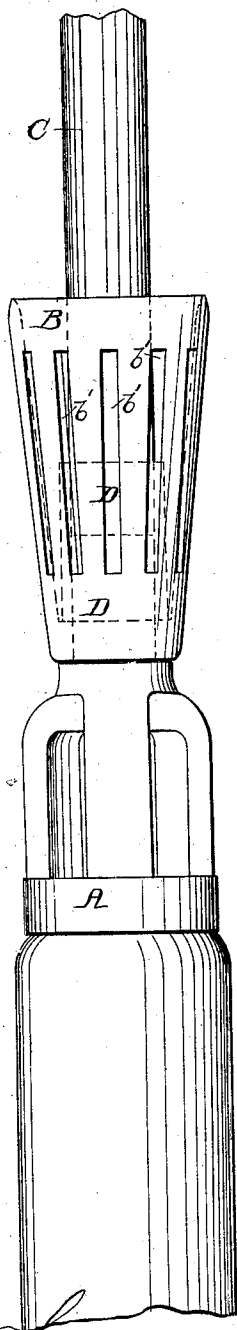
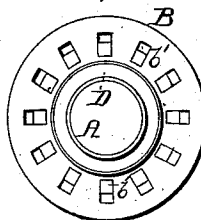


Fig. 2.



Witnesses;

B. H. Muehl

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Inventor,

Erasmus D. Brown

United States Patent Office.

ERASMUS D. BROWN, OF BUFFALO, NEW YORK.

Letters Patent No. 61,311, dated January 22, 1867.

IMPROVEMENT IN BASKET ATTACHMENTS FOR PISTONS OF DEEP WELL PUMPS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ERASMUS D. BROWN, of the city of Buffalo, county of Erie, and State of New York, have invented a new Basket Attachment for Pump Pistons; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure I is an elevation of my improvement, as connected with a pump piston and sucker-rod for practical use; and

Figure II is a top plan.

The nature of this invention relates to the attachment of a slotted flaring metallic basket to the upper end of a pump piston in such manner that the basket will catch and hold any broken or loose rivet or other thing which may happen to fall into the pump barrel, and thereby prevent any wedging or clogging of the piston or pump barrel.

Having reference to the drawings, A represents an ordinary pump piston, and B represents a slotted and flaring metallic basket, which is placed on the top of the piston with the flaring end uppermost. The flaring and open end just fills the bore of the pump barrel, (working freely and easily therein,) so that if any rivet which connects the wood and iron parts of the sucker-rod should break, work loose, and fall down, which is often the case, this basket will catch and hold it, and thereby prevent it from clogging or obstructing the working of the piston.

It often happens in pumping oil wells that the rivets which are used for connecting the wood and iron parts of the sucker-rods together break or work loose and fall down into the pump barrel, and thereby clog and prevent the piston from operating. It often happens, too, that chips, splinters from the sucker-rods, and other obstructions fall down into the pump barrel and clog and choke it up. My improvement is intended to remedy these difficulties. The slots *b'* in the basket are of sufficient area to allow all the liquid which the piston can raise to pass through freely, so that the basket is not the slightest obstruction to the free operation of the piston. The iron end of the sucker-rod is shown at C. This is connected to the pump piston by means of a screw thimble within the basket, represented by the dotted lines D in Fig. I, and by the circle D in Fig. II. The thimble screws on to the top of the piston, and the sucker-rod screws into the thimble. The basket may sit loosely on the top of the piston, and may be connected with any form of piston.

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

The slotted flaring basket A, for the purposes and substantially as described.

ERASMUS D. BROWN.

Witnesses:

B. H. MUEHLE,
E. B. FORBUSH.