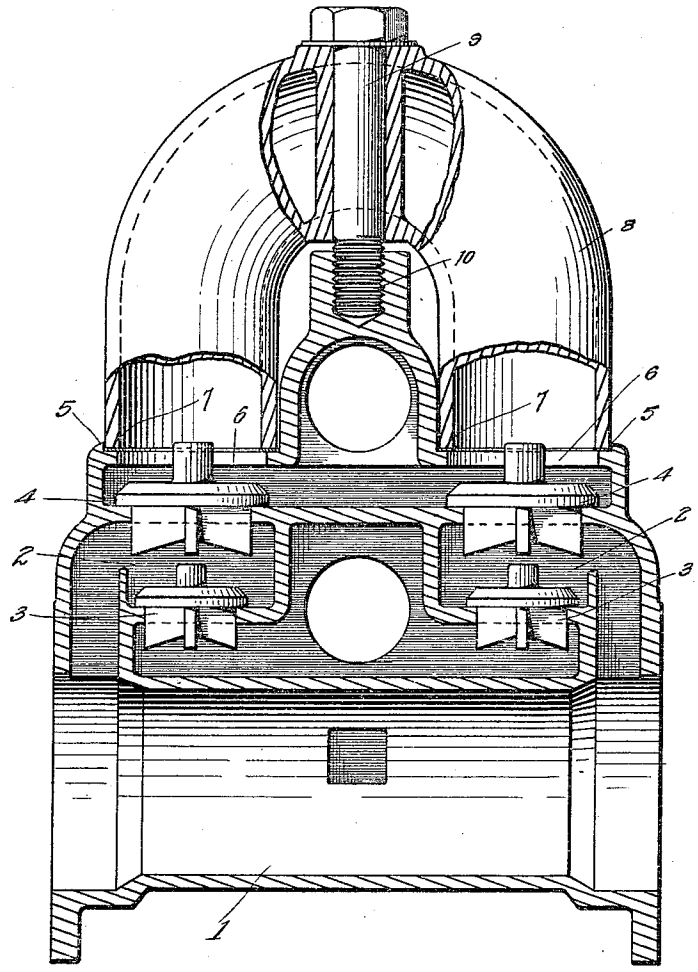
A. W. BURKS.

PUMP.

APPLICATION FILED AUG. 13, 1917.

1,272,771. Patented July 16, 1918.




INVENTOR

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

# UNITED STATES PATENT OFFICE.

ARTHUR W. BURKS, OF DECATUR, ILLINOIS, ASSIGNOR TO DECATUR PUMP & MFG. CO., OF DECATUR, ILLINOIS, A CORPORATION OF ILLINOIS.

## PUMP.

1,272,771. Specification of Letters Patent. **Patented July 16, 1918.**

Application filed August 13, 1917. Serial No. 185,851.

*To all whom it may concern:*

Be it known that I, ARTHUR W. BURKS, a citizen of the United States, a resident of Decatur, in the county of Macon and State of Illinois, have invented new and useful Improvements in Pumps, of which the following is a specification.

My invention relates to improvements in pumps and the object of the invention is the provision of a pump which may be readily assembled and also disassembled for removal, examination and repair of the valves, and in which the air chamber or compartment forms a cover or top for the valve and valve chambers, and which is held in place by a single securing means.

To the accomplishment of the foregoing and such other objects as may hereinafter appear, my invention consists in the combination, construction and arrangement of parts hereinafter described and then sought to be defined in the appended claims, reference being had to the accompanying drawings forming a part hereof, and which shows merely for the purpose of illustrative disclosure, a preferred embodiment of my invention, it being understood that various changes may be made in practice within the scope of the claims without digressing from my inventive idea.

The drawing illustrates a view partially in section and partially in side elevation, of a pump constructed according to my invention.

Referring now to the drawing, the numeral 1 designates the cylinder and the numeral 2 the valve chambers or compartments, the valves themselves being designated 3 and 4.

The top of the pump casing is provided with a plurality of annular shoulders 5 about the openings 6, giving access to the valve compartments as shown. Seated on these annular shoulders are the annular ends 7 of the tubular air chamber or compartment 8 which is arcuate in shape and held in position by means of the bolt 9, the end of which is threaded into the stud or projection 10. It is therefore seen from this construction, that I have provided a simple and effective means of assembling this pump and giving access to the valves for examination and repair.

What I claim is:

1. A device of the character described, including in combination with the cylinder of a pump having valve compartments near each end, with valves mounted in said compartments, the casing of the pump having openings above and in alinement with said valves, said openings being provided with annular shoulders, an arcuate tubular air compartment member arranged to be positioned on said shoulders and single securing means passing through said arcuate shaped member and into the casing so as to form a cover for the valves and also an air compartment.

2. A device of the character described including in combination with the cylinder of a pump having valve compartments near each end, valves mounted in said compartments, the casing of the pump having openings above and in alinement with the valves and also having a projection located between said openings, an arcuate shaped tubular air chamber member mounted on top of said casing with its ends in registration with said openings, and a single securing means passing through said arcuate shaped member and into said projection.

ARTHUR W. BURKS.

**Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."**