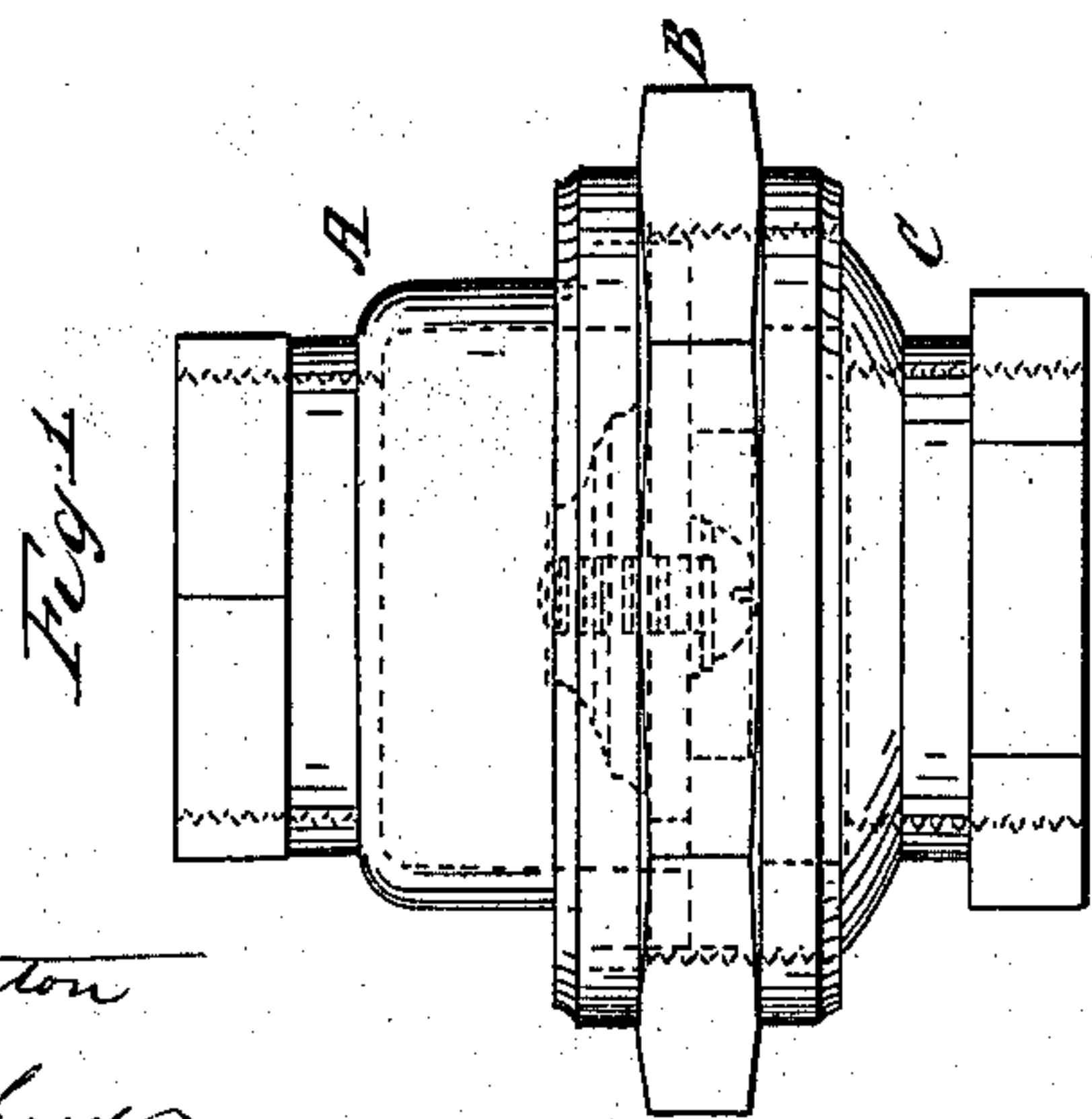
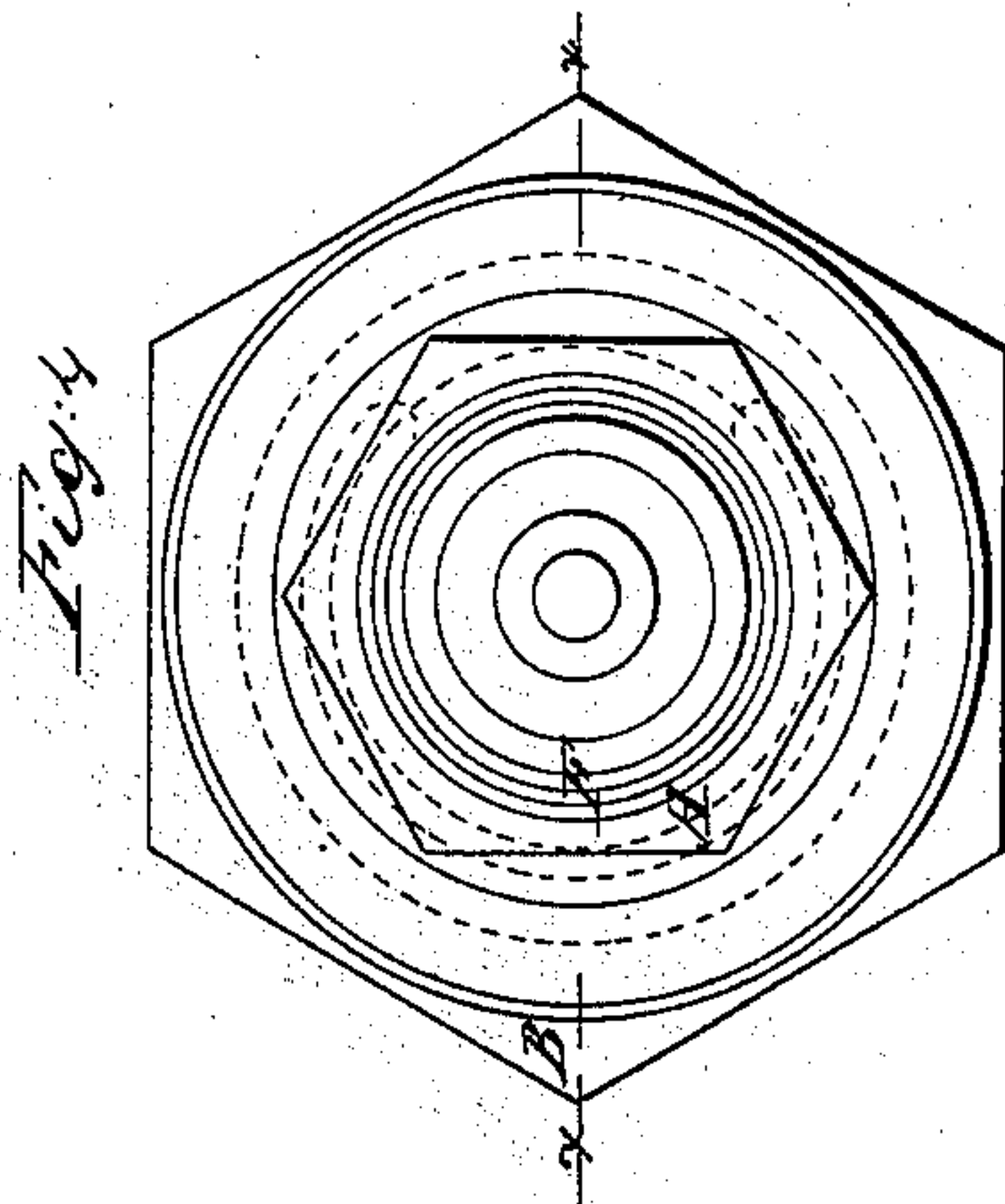
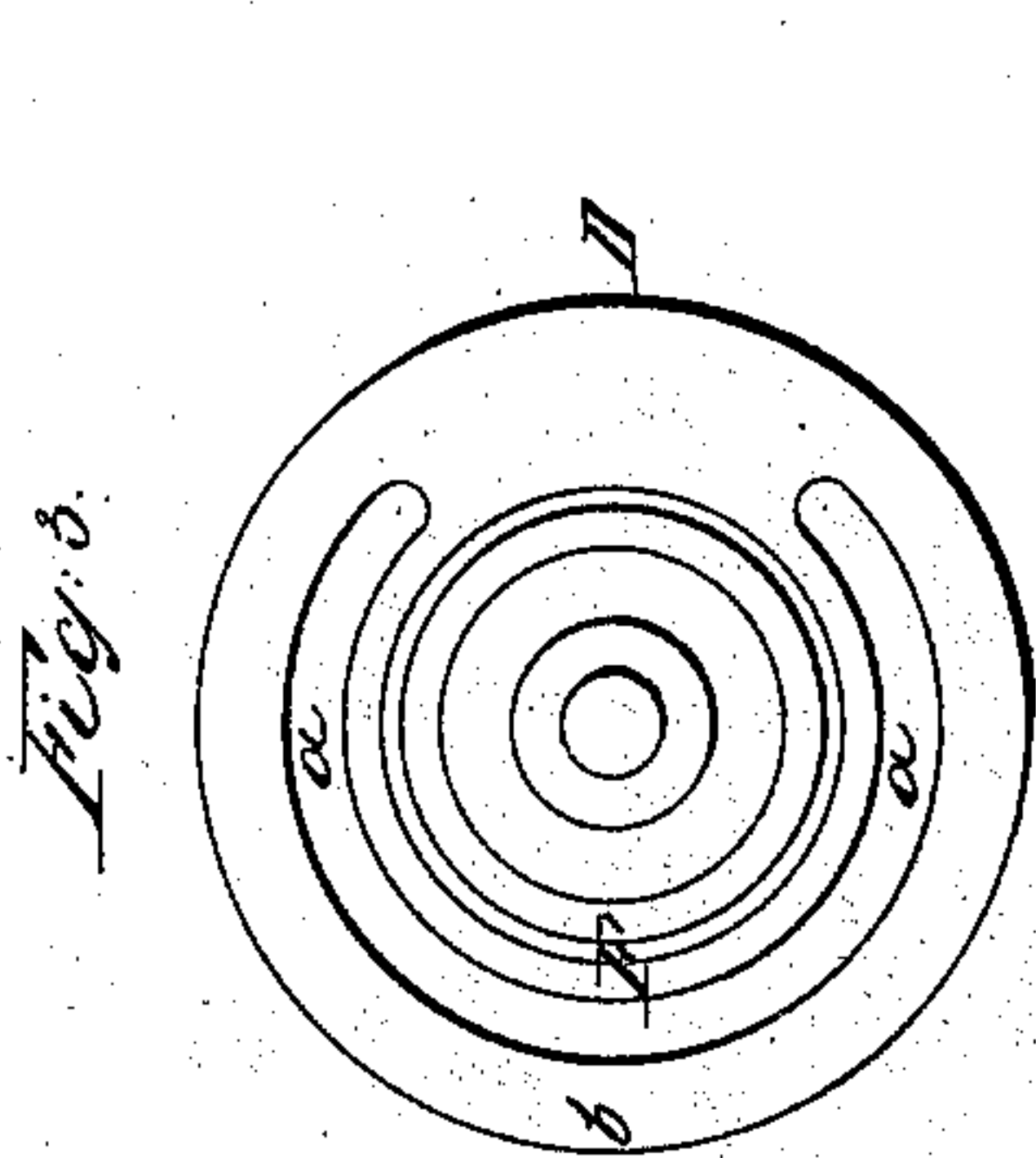
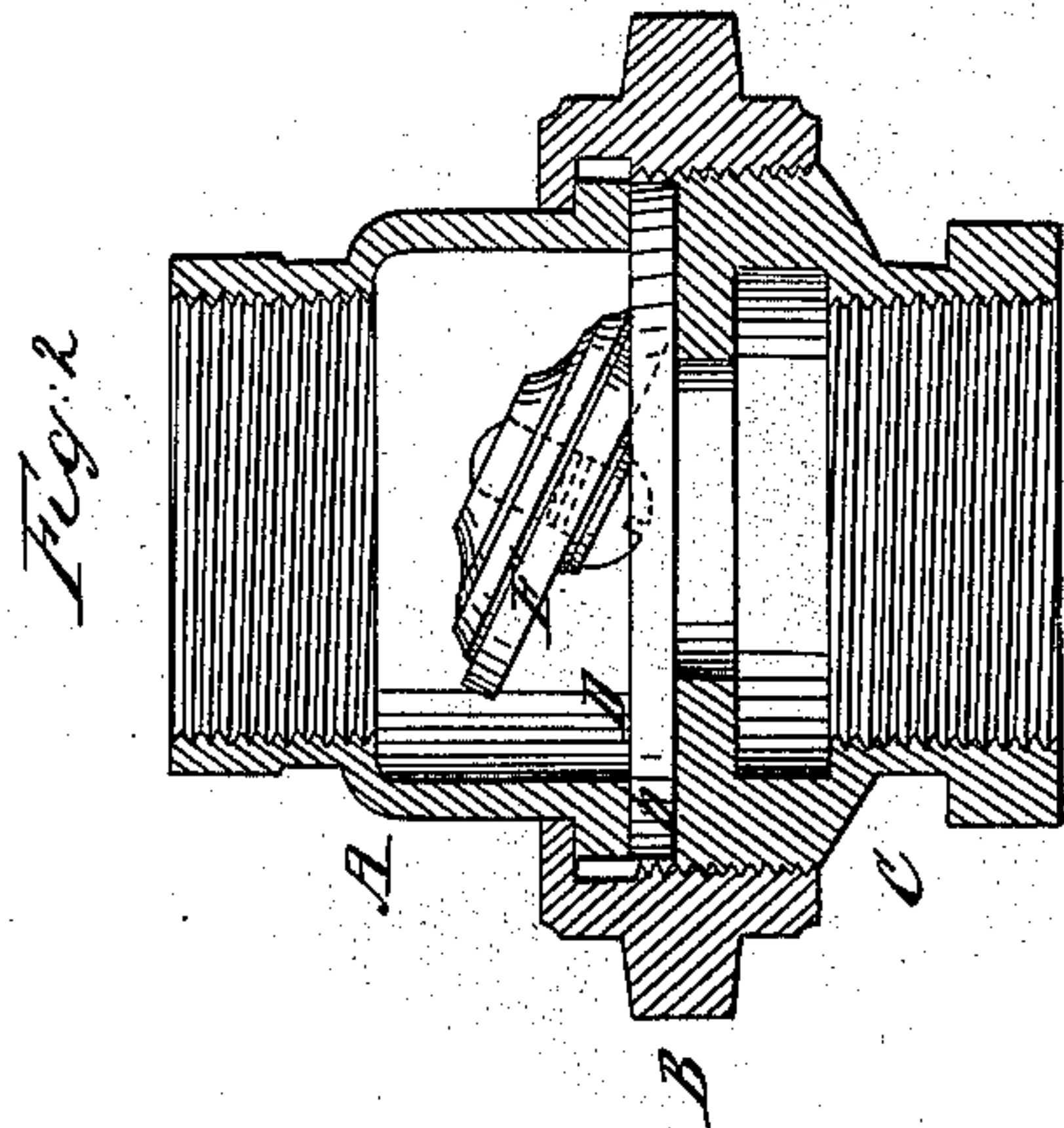


S. O. Blanding,

Valve Coupling.

Nº 80,704.

Patented Aug. 4, 1868.



Witnesses:

John J. Thurston
William W. Rickard

Inventor
Samford O. Blanding

United States Patent Office.

SANFORD O. BLANDING, OF SMITHFIELD, RHODE ISLAND.

Letters Patent No. 80,704, dated August 4, 1868.

IMPROVEMENT IN UNION-VALVE COUPLING.

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, SANFORD O. BLANDING, of (Central Falls) Smithfield, in the county of Providence, and State of Rhode Island, have invented a new and useful Improvement in Union-Couplings, which I term a combined union-coupling and check-valve; and I do hereby declare the following specification, taken in connection with the drawings, making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is an elevation.

Figure 2 is a vertical section, on the line xy of fig. 4.

Figure 3 is a top view of the valve.

Figure 4 is a top view of the coupling.

In the accompanying drawings—

A C are the two well-known parts of a coupling familiar to all mechanics.

B is the usual coupling-ring, furnished with planes about its periphery, to accommodate a wrench, and forming in figure a many-sided polygon. The two parts of the coupling are held together by the ring B, in the usual way, clearly shown at fig. 2.

Between the two flat faces of the parts of the coupling A and C, I interpose a combined valve and packing-ring, D. A top view of such valve is shown at fig. 3. Its construction is well understood by all pump-manufacturers.

A circular disk of leather is cut so that a segmental piece, a , shall be taken out of the same, leaving a central circular portion, F, attached at one side to the disk. This central portion, which is weighted, forms the common flap-valve, and the surrounding concentric portion, b , furnishes a packing to be interposed between the two faces of the coupling.

It is quite obvious, that when the parts are arranged and united as shown in section at fig. 2, the packing-ring will close the joint, and the valve will be in proper position.

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

A combined coupling and check-valve, constructed and arranged substantially as described, for the purposes specified.

SANFORD O. BLANDING.

Witnesses:

JOHN D. THURSTON,

WILLIAM W. RICKARD.