

No. 845,312.

PATENTED FEB. 26, 1907.

M. M. MOORE.
STAND PIPE.

APPLICATION FILED MAY 20, 1905.

Fig. 1.

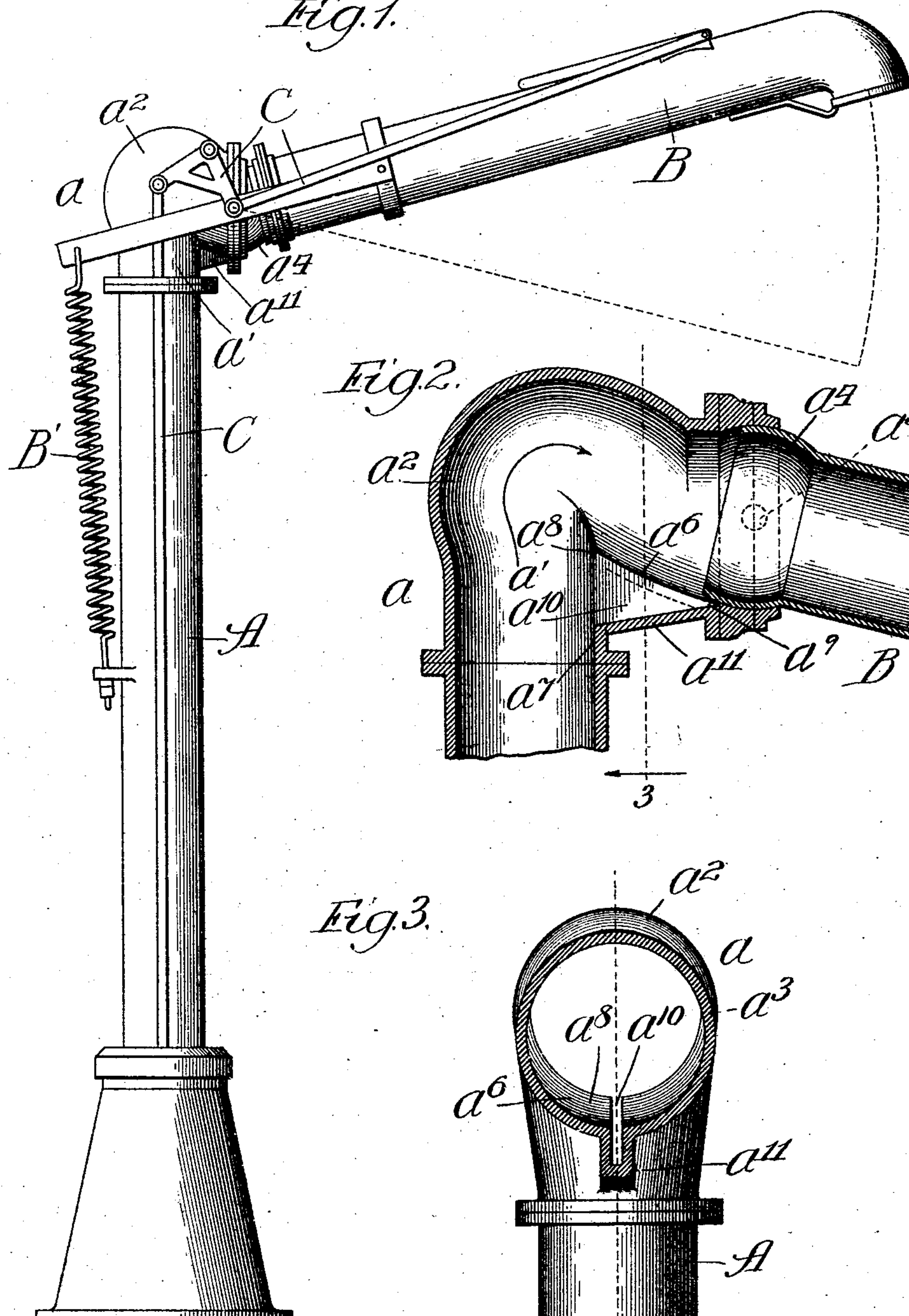


Fig. 2.

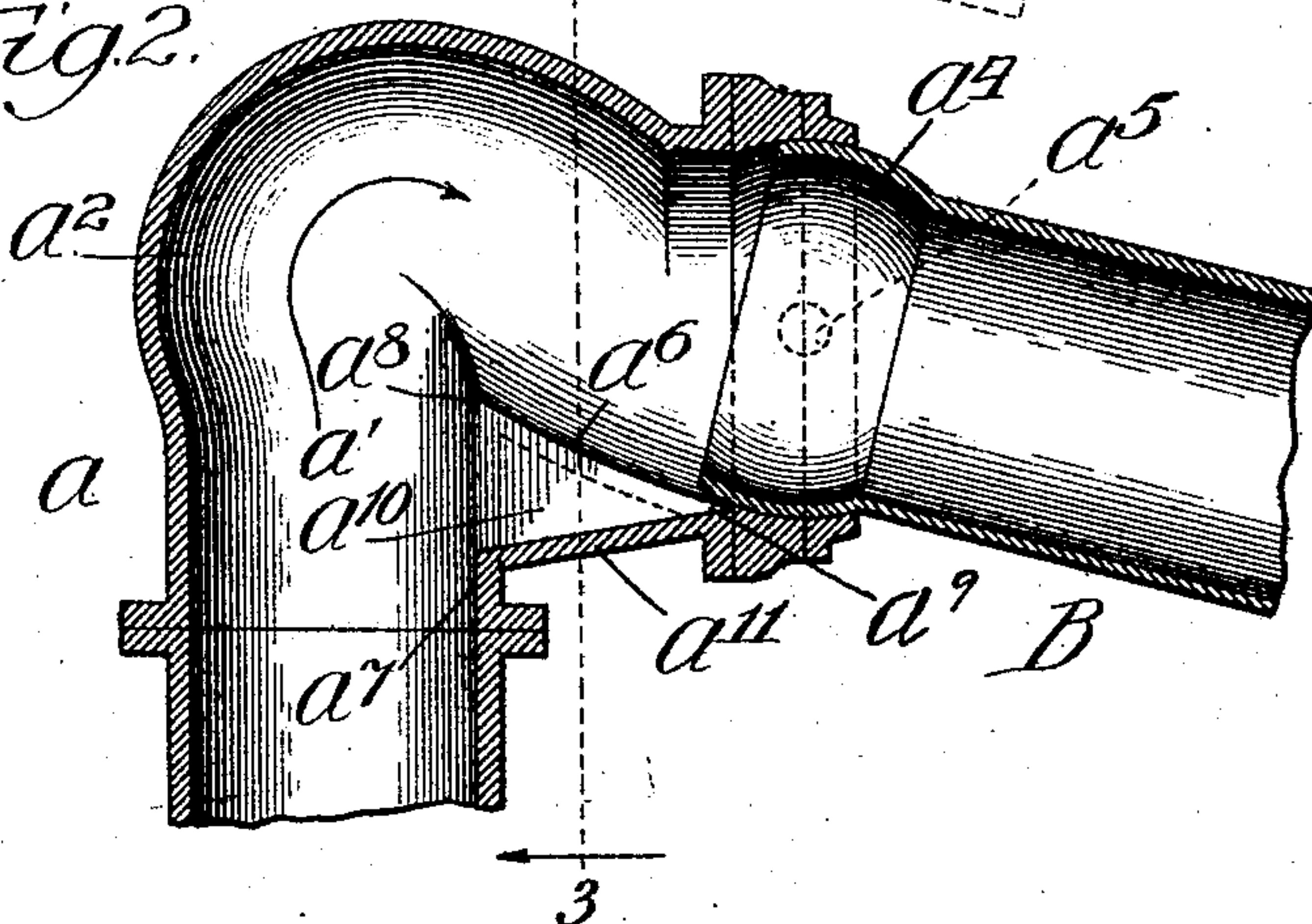
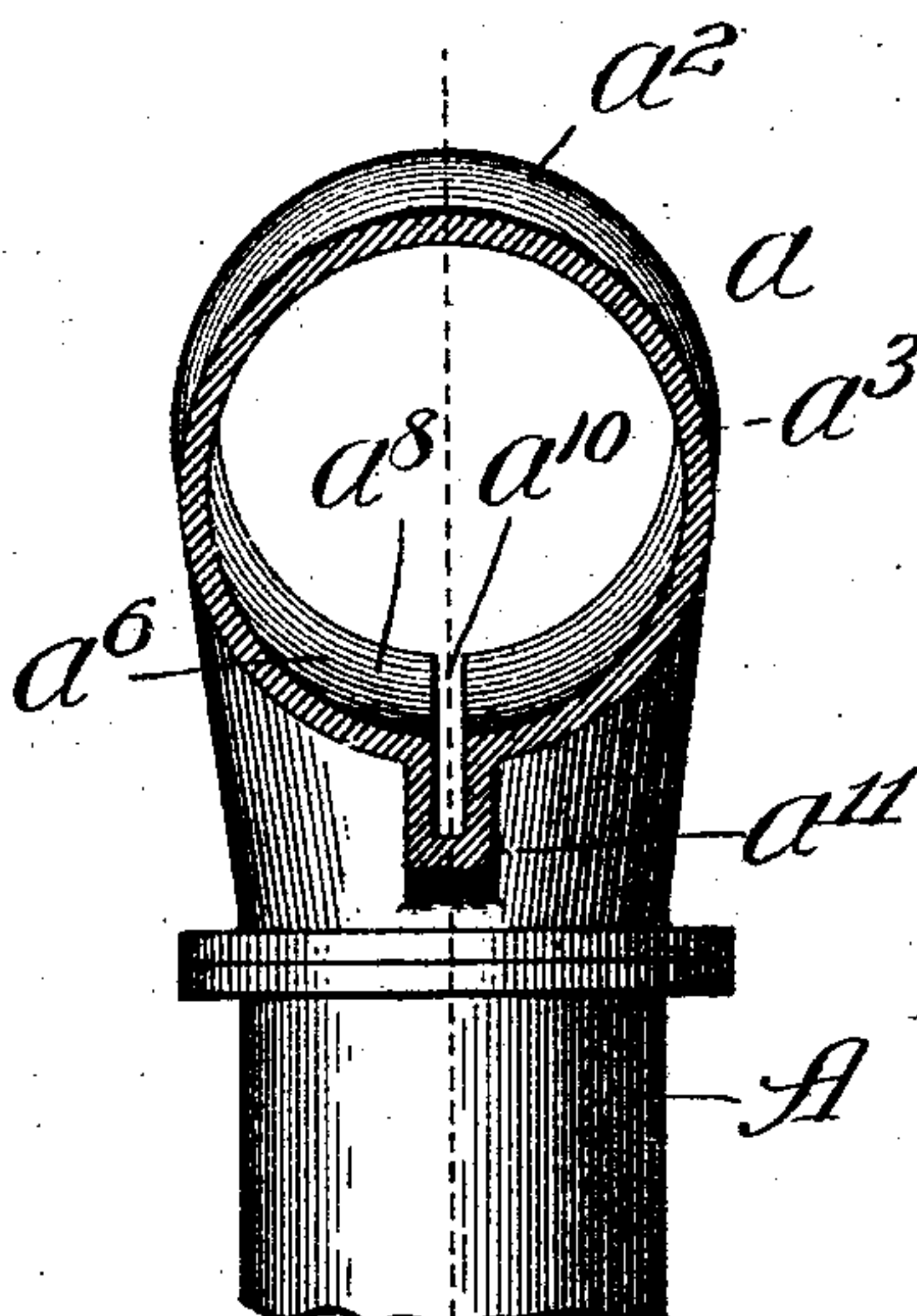


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

MOSES M. MOORE, OF CHICAGO, ILLINOIS.

STAND-PIPE.

No. 845,312.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed May 20, 1905. Serial No. 261,378.

To all whom it may concern:

Be it known that I, MOSES M. MOORE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Stand-Pipes, of which the following is a specification.

My present invention pertains particularly to an improvement in stand-pipes of the type shown in my Patent No. 682,106, granted September 3, 1901.

My primary object is to provide for directing the issuing water from the vertical column into the vertically-swinging horizontal arm or spout in such manner as to hold the latter depressed while the engine is taking water, the counterweight or spring serving to elevate the spout after the valve is closed to shut off the water.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents an elevational view of my improved stand-pipe; Fig. 2, an enlarged broken vertical section, and Fig. 3 a section taken as indicated at line 3 of Fig. 2.

In the preferred construction, A represents the vertical column; B, the vertically-swinging arm or spout supported on the vertical column and normally held yieldingly somewhat above the horizontal position by springs B', (one shown,) and C the usual valve-actuating means.

The alteration over former constructions lies in a change in the form of the elbow a , which surmounts the vertical-column, affording a vertical leg a' , a curved neck portion a^2 , and a downwardly-deflected leg a^3 , with whose free extremity is connected, by the now well-known ball-and-socket joint a^4 , the

swinging arm B. The arm B, as is well known, swings upon a pivot a^5 (shown in dotted lines) as an axis. The elbow a , which may be likened to a gooseneck, is provided at the throat with a lower wall a^6 , which meets the vertical wall a^7 of the leg a' at a^8 , and substantially the lowermost point a^9 of the wall a^6 is joined by an open drain-channel a^{10} with the vertical leg of the elbow, the channel being formed in a throat enlargement a^{11} , as shown.

From the foregoing description it readily will be understood that when the water is flowing it follows the course of the arrow in Fig. 2, being directed downwardly before leaving the elbow so as to impinge upon the lower wall of the swinging pipe, thus tending to hold the latter depressed while the engine is taking water. In former constructions where the water has been allowed to issue from the elbow at right angles to the vertical column the water had a strong tendency to raise the spout above its lowermost positions, requiring in some instances the exertions of two men to overcome this tendency and hold the spout depressed.

What I regard as new, and desire to secure by Letters Patent, is—

In a stand-pipe, the combination of a vertical column, a gooseneck-elbow supported thereon having an open drain-channel through the throat, and a yieldingly-supported swinging pipe connected with the free end of the elbow, for the purpose set forth.

MOSES M. MOORE.

In presence of—

W. B. DAVIES,
J. H. LANDES.