

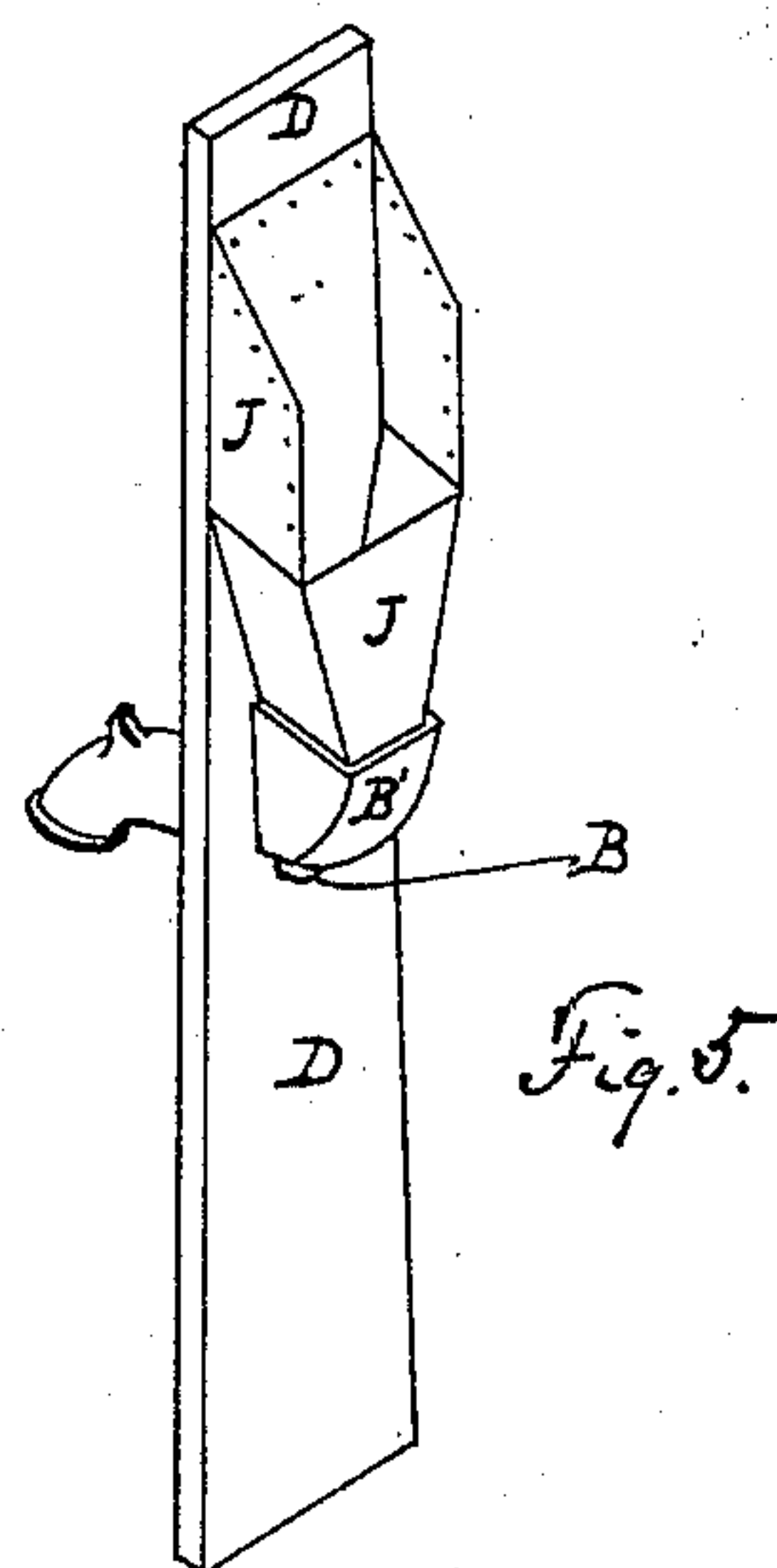
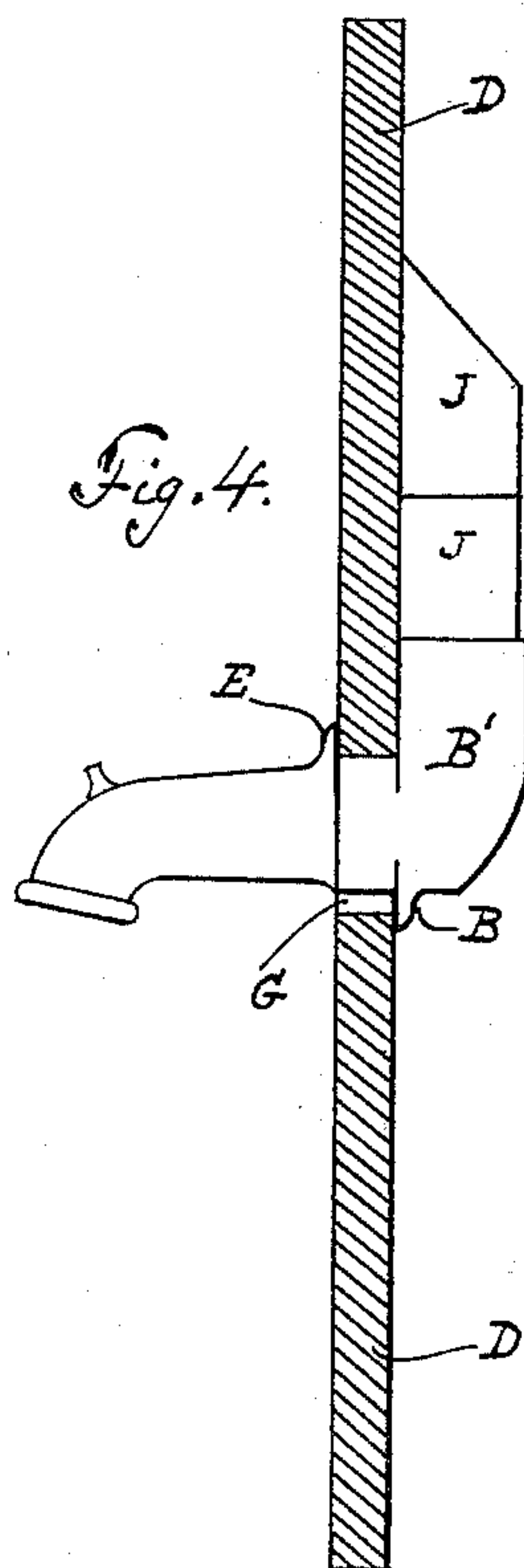
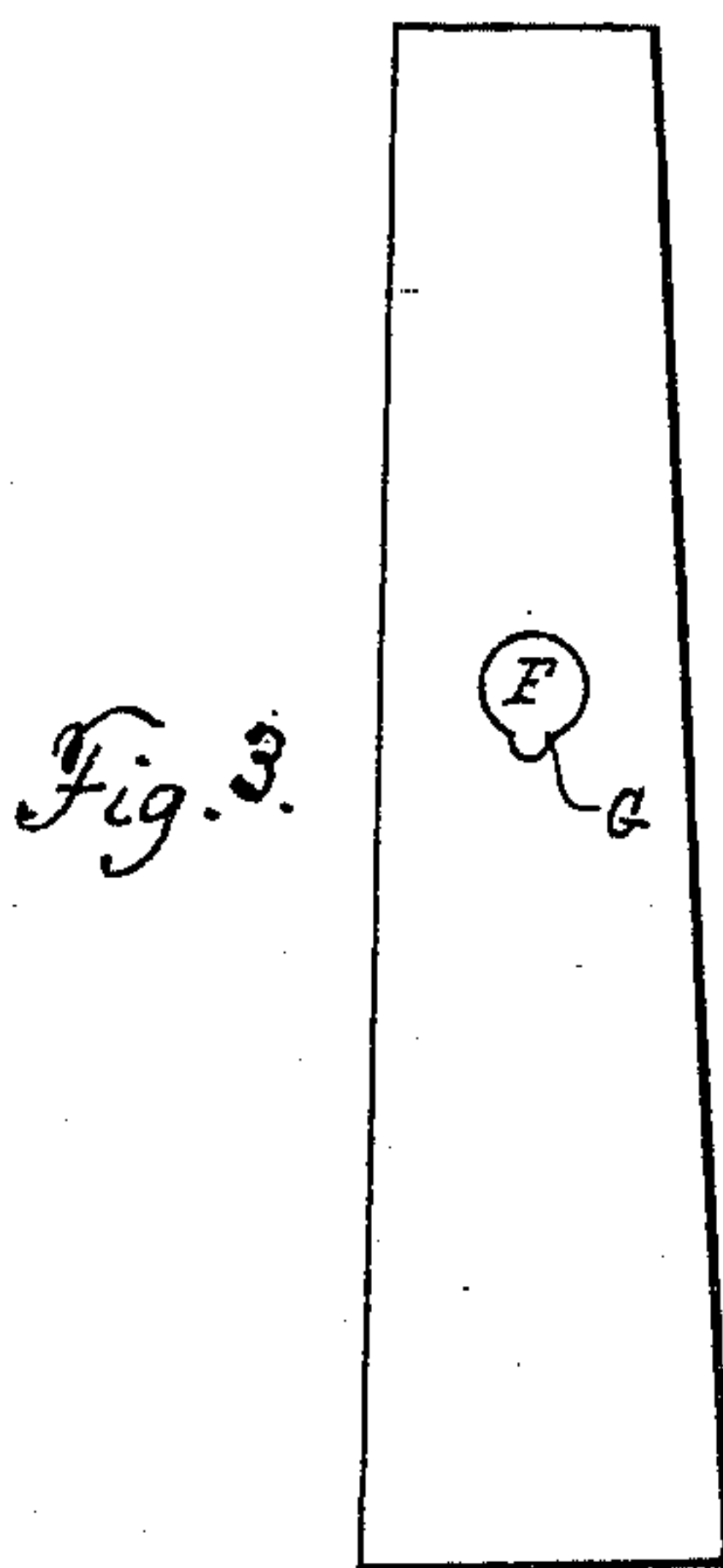
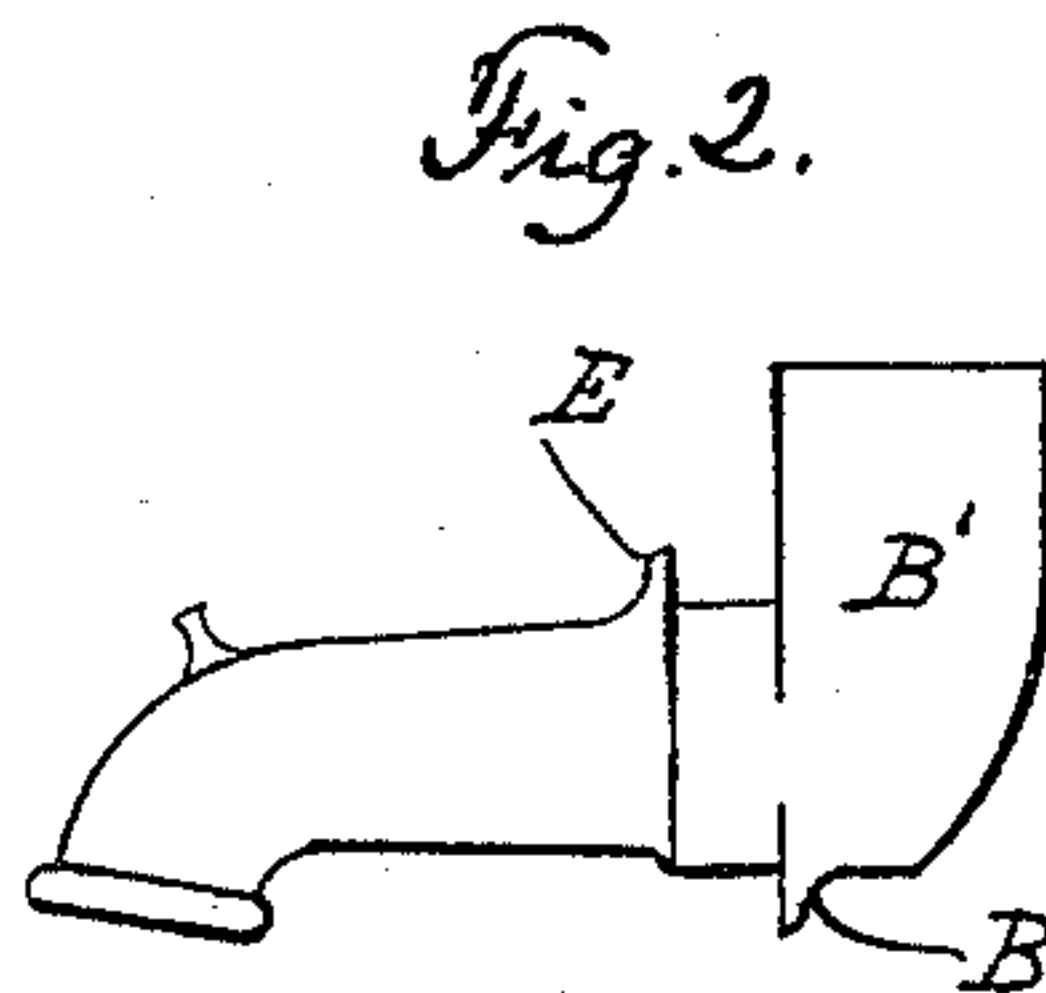
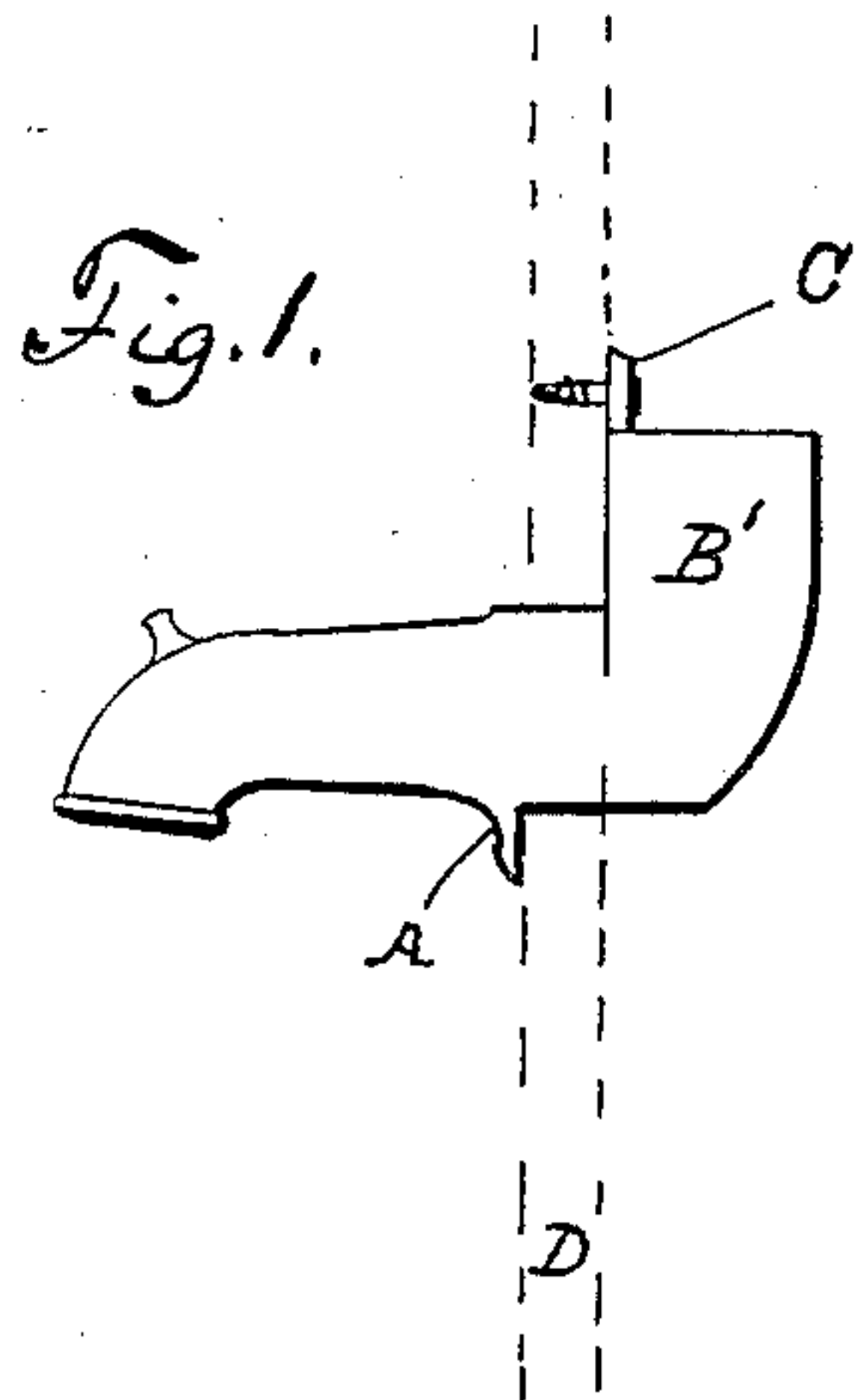
(No Model.)

L. A. BRIGEL.

PUMP SPOUT.

No. 397,532.

Patented Feb. 12, 1889.



Witnesses:
Francis Farnsworth.
William Farnsworth.

Inventor:
Leo A. Brigel,
per Oscar Snell
Atty.

UNITED STATES PATENT OFFICE.

LEO A. BRIGEL, OF CINCINNATI, OHIO.

PUMP-SPOUT.

SPECIFICATION forming part of Letters Patent No. 397,532, dated February 12, 1889.

Application filed October 15, 1888. Serial No. 288,092. (No model.)

To all whom it may concern:

Be it known that I, LEO A. BRIGEL, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Pump-Spouts, of which the following is a specification.

This invention relates particularly to the means of attaching a pump-spout to either a metal or wooden curb, but in this instance is shown attached to a wooden curb.

The object of this invention is to provide a spout which can be quickly placed in proper position for use and fastened in a substantial manner without the use of screws or bolts, so that the curb can be roughly handled in shipping without danger of loosening the spout.

Figure 1 represents the ordinary pump-spout as ordinarily constructed. Fig. 2 represents my construction of the spout. Fig. 3 is an elevation of the curb. Fig. 4 represents the spout as attached to the curb, and Fig. 5 is a perspective view of the same.

Heretofore I have been using a spout fastened to the curb by means of the arrangement of lugs shown in Fig. 1. On this spout there is a lug, A, cast upon the bottom at a place coincident with the surface of the outside of the pump-curb. At B', which is the inside end of the spout, is a square hopper-shaped receptacle, and at its top, on the rim, is a lug, C, to receive a common wood-screw to secure the receptacle to the inside of the pump-curb, as shown in Fig. 1. In practice the objectionable features of this spout are: A wood-screw is commonly used to attach it to the curb, and this screw, being in such a position as to be difficult to reach with a screw-driver, is frequently driven in such a manner that it is easily pulled out when the curb is being handled in shipping, since the spout is almost always used as a handle.

My new spout is shown in Fig. 2. This spout has lugs cast upon its top and bottom surface at E and B. The front end piece, D, of the curb, Fig. 3, has a hole, F, whose lower side is notched, as shown at G, sufficient to admit the passage at G.

In attaching the spout it is first turned upside down and then inserted into the hole F from the inside of the curb. The spout is then pushed through, the lug E freely passing

through the notch G until the front face of the receptacle B' rests against the inside of the curb. The spout is now turned one-half of a revolution, which turns the lug E to the position shown in Fig. 4, and the lug B, which is larger than the notch G, to the bottom position, as shown in Fig. 4.

In Figs. 4 and 5 is shown a sheet-metal receiver, J, whose lower end is tapered, and is inserted into the top of the square cast-iron receptacle B'. This sheet-metal receiver J is then nailed to the inside of the pump-curb, and will effectually prevent the spout from turning from its proper position.

It will be seen that if the hole F in the front end, D, of the curb is of such a size as to make a snug fit around the spout, and the lugs B and E and receptacle B' come in close contact with the inside and outside of the curb, as shown in Fig. 4, the spout will be very substantially attached without the use of screws or bolts.

In shipping, the curbs are used for boxes to contain the chain, buckets, wheels, &c. This makes them heavy, and frequently the spout is used as a handle, and if constructed in the old way, hereinbefore described, they were often loosened, as before stated; but this new construction so disposes the lugs B and E in relation to the receptacle B' as to entirely prevent any danger of a spout becoming loose by any amount of handling to which the curbs would be subjected. This spout is perfectly substantial, is easily attached by an unskilled person, and, being cheap, will at once be appreciated as a valuable improvement by both manufacturers and dealers.

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

A well-curb having a hole therein and a notch adjacent thereto, a pump-spout with a top outside lug, E, smaller than the notch G of the hole F in the curb, and a bottom inside lug, B, larger than the notch G of the said hole F in the curb, both lugs B and E acting, in combination with the receptacle B' and receiver J, to hold the spout firmly in its proper position in the hole F of the curb.

LEO A. BRIGEL.

Witnesses:

CHAS. E. BRIGEL,
FLORA DUSENBERRY.