

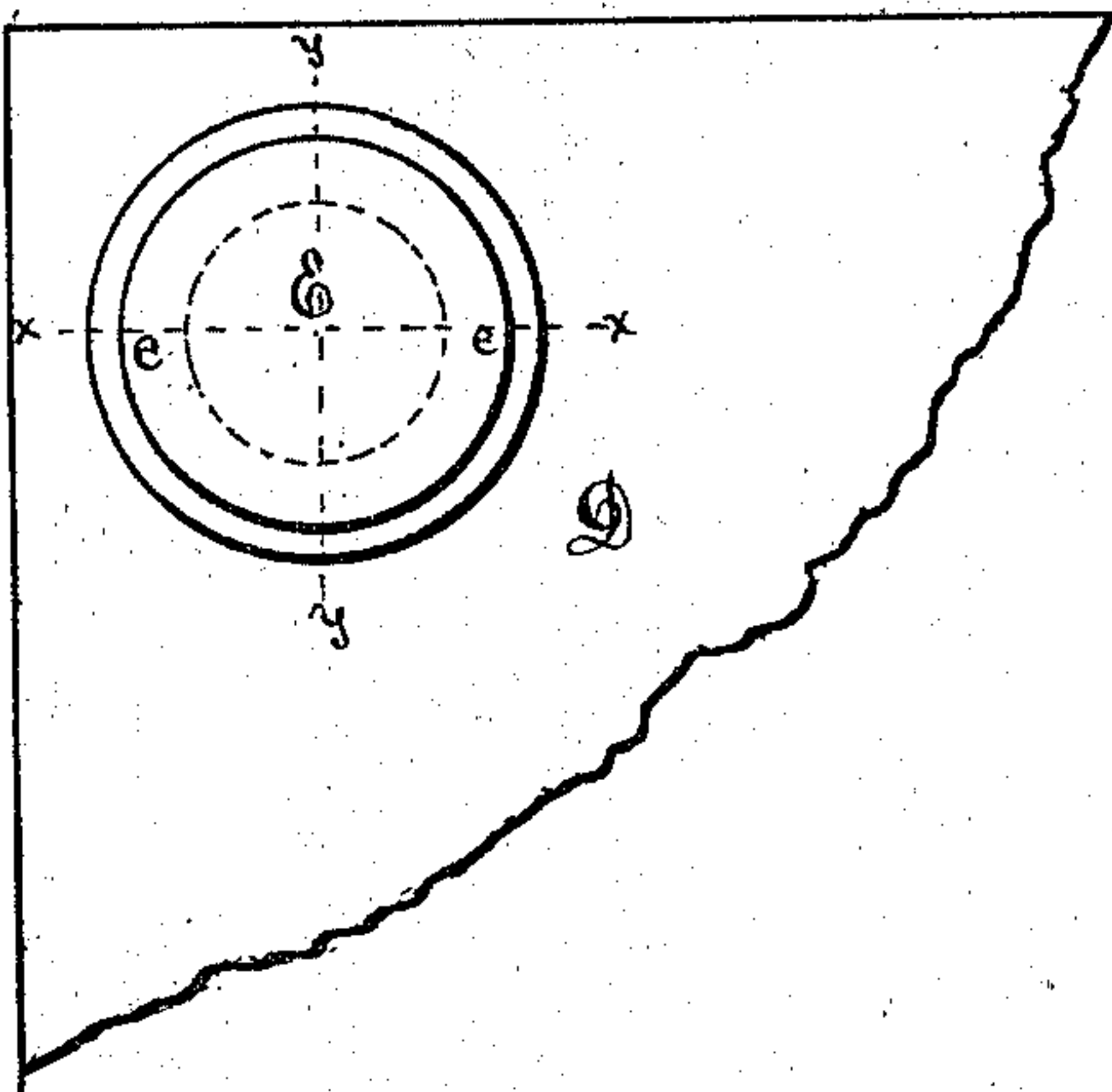
*J. A. Bostwick,*

*Can Nozzle.*

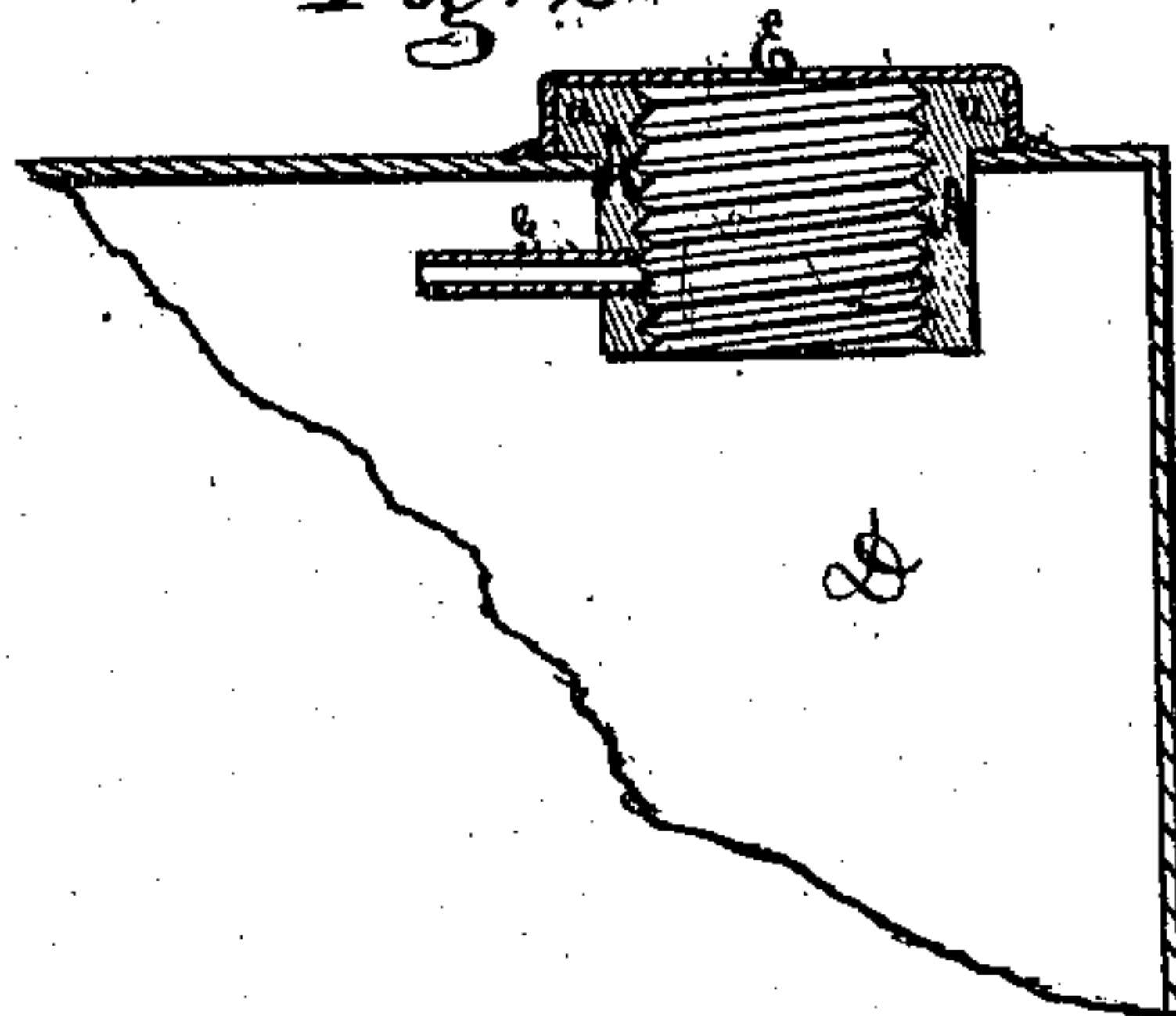
*No. 104413.*

*Patented June 21, 1870.*

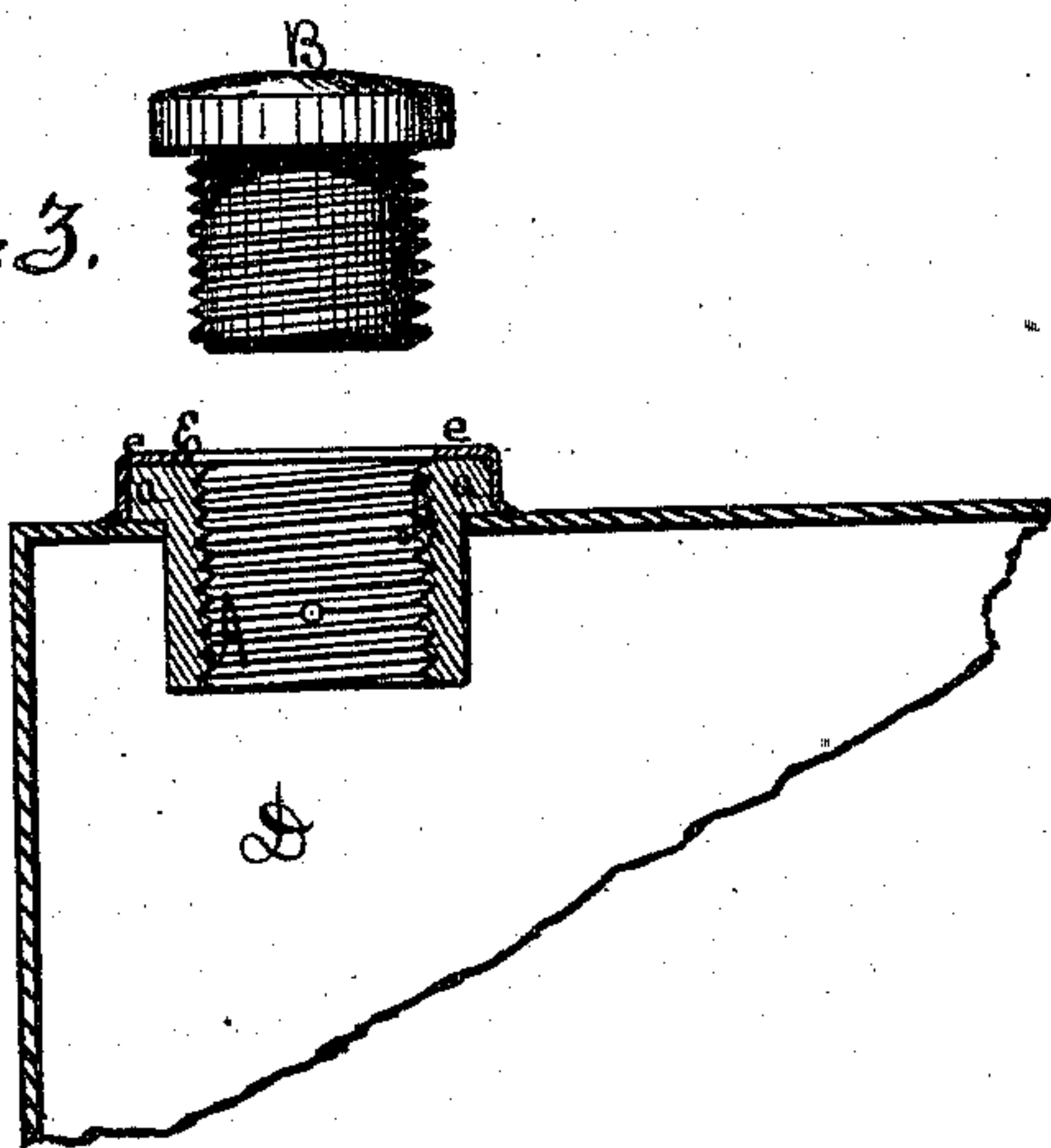
*Fig: 1.*



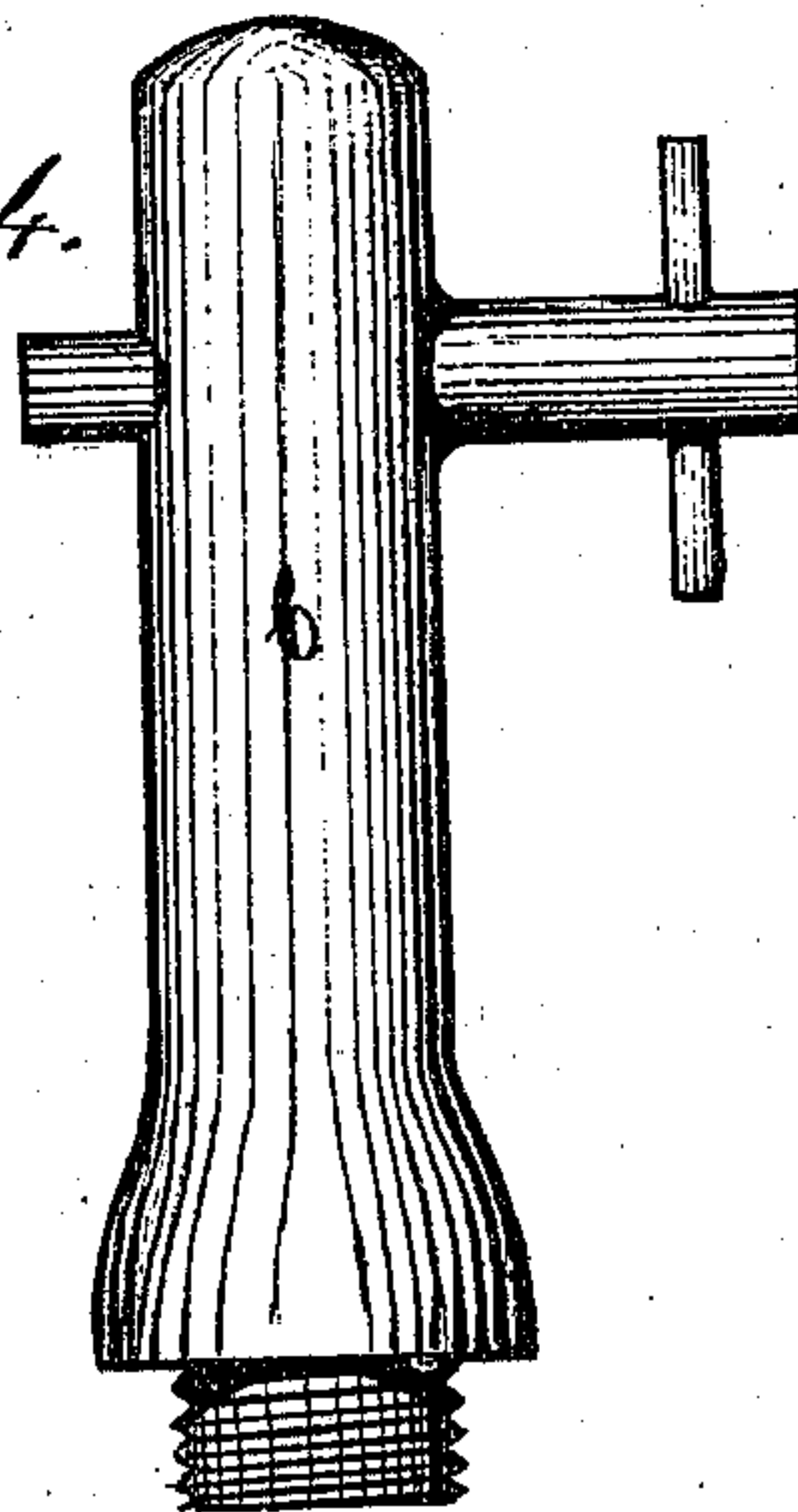
*Fig: 2.*



*Fig: 3.*



*Fig: 4.*



WITNESSES

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JABEZ A. BOSTWICK, OF NEW YORK, N. Y.

Letters Patent No. 104,413, dated June 21, 1870.

## IMPROVEMENT IN NOZZLE AND SEALING-CAP FOR SHEET-METAL CANS.

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

I, JABEZ A. BOSTWICK, of the city, county, and State of New York, have invented a new and improved Combination of Nozzles and Sealing-Caps with Metallic Vessels, of which the following is a specification.

My invention relates to the combination of a flanged nozzle or thimble with a metallic vessel by inserting said nozzle through an aperture in the top of the vessel, to project therein, having a flange or shoulder formed thereon, to rest upon the rim of the aperture, and then fastening and securing it by means of a metallic cap, fitting closely over the same, and soldered down upon the vessel; and also to the combination of a plug or of a faucet with said nozzle when it has been opened by cutting away that portion of the cap which covers its opening; the object of my invention being to obtain a cheap and ready mode of fitting oil-cans and other vessels of comparatively thin metal with sealed nozzles, which, when opened, shall be ready to receive and hold securely a suitable plug or a faucet.

In the accompanying drawing—

Figure 1 is a top view of a corner of a metallic vessel provided with a nozzle secured and sealed by an outer metallic cap—

Figure 2 being a central vertical section thereof in the line *xx* of fig. 1.

Figure 3 is a similar central section in line *yy* of fig. 1, representing the sealing and fastening-cap, when cut out centrally, ready for the reception of a plug to fit into the nozzle, and reclose the same.

Figure 4 represents in elevation one form of faucet adapted to fit into the open nozzle in the place of a plug.

A, figs. 2 and 3, represents a cylindrical nozzle or thimble, provided with a circumferential offset or flange, *a*, at its upper end.

This nozzle or thimble may be threaded interiorly, to receive a counterpart threaded plug, B, fig. 3, to close the same when opened, or the threaded end of a faucet, C, fig. 4, through which to draw the contents of the vessel to which the nozzle is secured.

D is a metallic vessel, to which the nozzle is to be attached, for the purpose of facilitating the removal of its contents, and of closing the same when it has once been opened.

In using the detached nozzle A with a vessel, D, an aperture corresponding in diameter with the external diameter of the nozzle is first pierced in the vessel, through which it may be filled.

After the vessel has been duly filled, the nozzle is inserted into the aperture, so that its shoulder or flange *a* shall rest upon and be supported by the rim thereof, as clearly illustrated in figs. 2 and 3, and a metallic cap, E, closely fitting thereon, and of a height just equal to the thickness of the flange or offset *a*, is placed upon its outer end, and soldered down securely upon the vessel D, as shown in figs. 1, 2, and 3.

This cap E thus serves the double purpose of completely closing and sealing the opening through the nozzle A into the can D, and also of securing the nozzle firmly in place upon the can.

When it is required to open the can, the central portion of the cap E is cut away, so as to uncover and open fully the aperture in the nozzle, as shown in fig. 3, leaving, however, an annular rim, *e*, which, bearing upon the flange *a*, will still retain and secure the open nozzle in its place.

After being thus opened, the nozzle may be fitted with a faucet, C, to facilitate the withdrawal of the liquid therein, or be closed with a plug, B.

Although I prefer to use a threaded nozzle to receive a screw-threaded plug, I contemplate making the same plain, to be fixed and held therein by friction alone.

A small vent-tube, G, fig. 2, may be inserted in the neck of the nozzle, to facilitate a discharge through the same.

I claim as my invention—

The combination of an extended flanged nozzle, formed substantially as herein described, with a metallic vessel, by means of an outer sealing and fastening-cap and rim, secured to the vessel over and upon the outer end of the nozzle, substantially as and for the purpose herein set forth.

J. A. BOSTWICK.

Witnesses:

CHAS. W. JONES,  
W. H. TILFORD.