

T. DAVIES.

Improvement in Steam-Exhaust for Locomotives.

No. 132,565.

Patented Oct. 29, 1872.

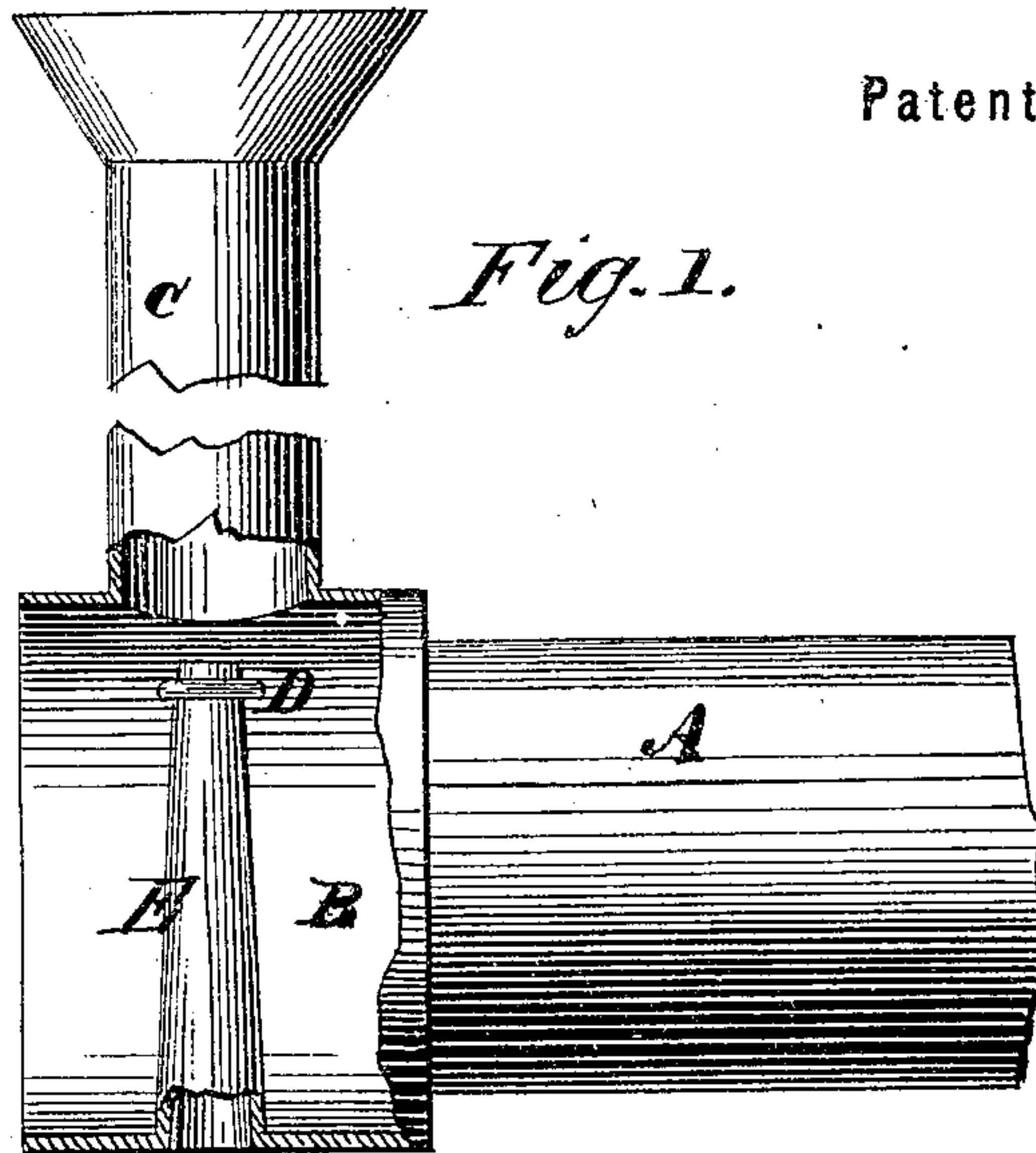


Fig. 1.

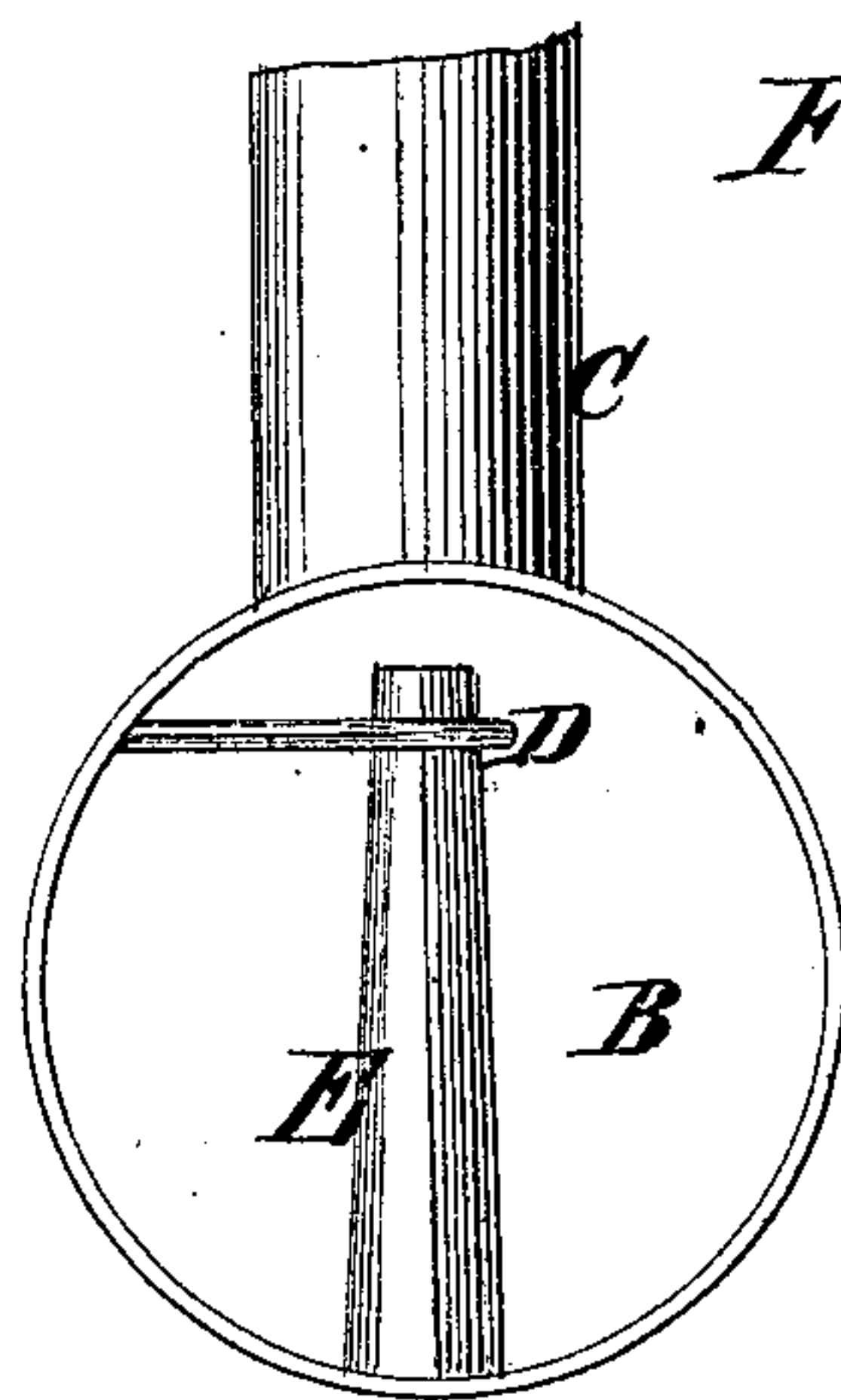


Fig. 2.

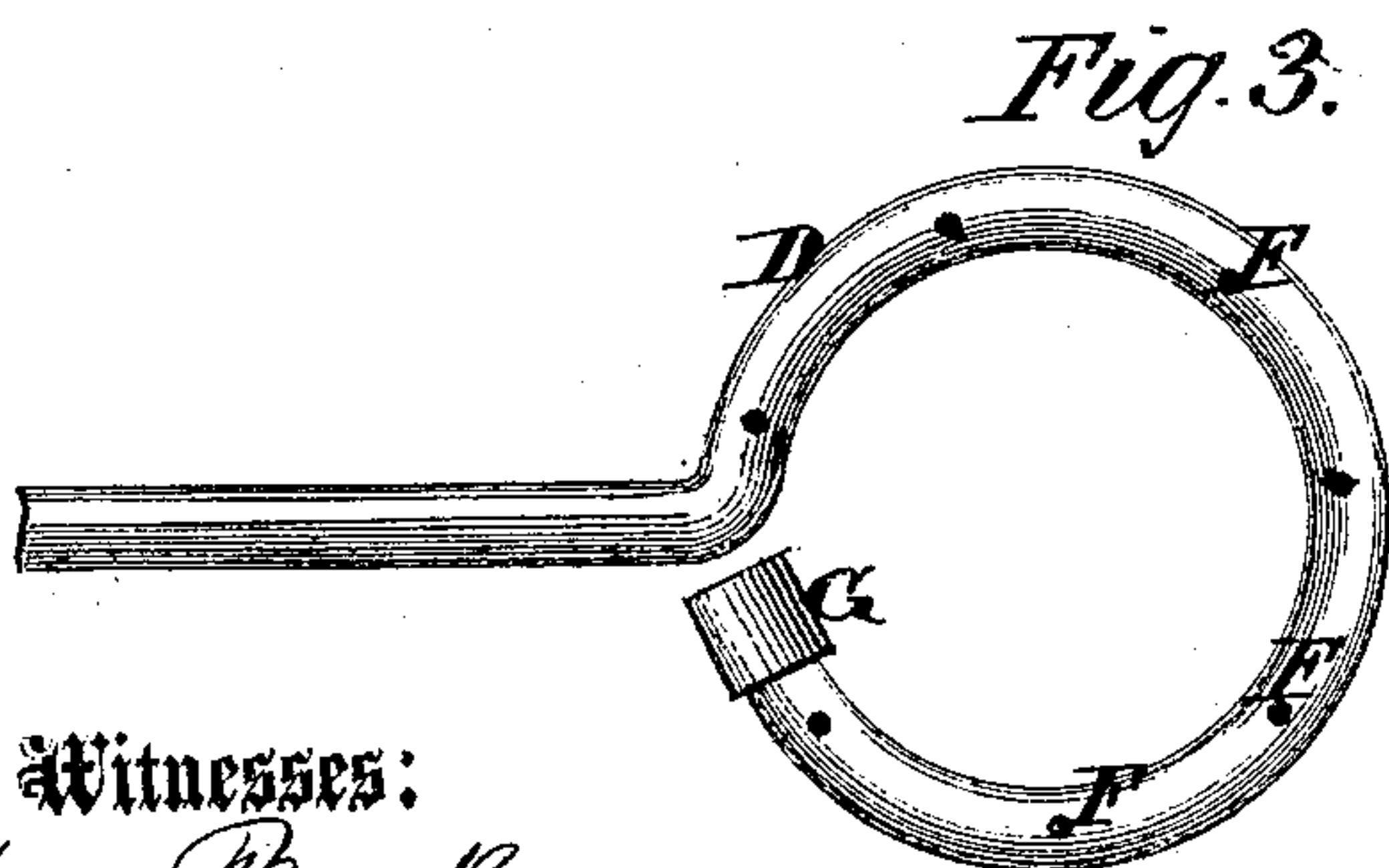


Fig. 3.

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UNITED STATES PATENT OFFICE.

THOMAS DAVIES, OF CLEVELAND, OHIO.

IMPROVEMENT IN STEAM-EXHAUSTS FOR LOCOMOTIVES.

Specification forming part of Letters Patent No. **132,565**, dated October 29, 1872.

To all whom it may concern:

Be it known that I, THOMAS DAVIES, of Cleveland in the county of Cuyahoga and State of Ohio, have invented a new and useful Improvement in Steam-Exhaust for Locomotive-Boilers, of which the following is a specification:

My invention relates to an improvement in the means for supporting the ring-jet pipes through which the steam is exhausted in certain marine boilers; and consists in the construction and arrangement of parts herein described.

In the accompanying drawing, Figure 1 represents a partly-sectional side view; *d*, the front portion of a locomotive boiler with the cap of the smoke-box off, showing my improved arrangement of devices; Fig. 2 is a front view of the same; and Fig. 3 is a plan view of the ring-exhaust pipe detached.

Similar letters of reference indicate corresponding parts.

A is the boiler. B is the smoke-box. C is the chimney. D is the perforated ring exhaust-pipe heretofore employed. E is an upright pipe which supports the exhaust-pipe D. This pipe, as shown, is tapered, and open at each end. It thus forms a support for the ring D at any point in its height, according to the predetermined size of the said ring and the point of its insertion in the smoke-box.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The tapered pipe E and ring-jet exhaust-pipe D, arranged as specified.

Witness: THOMAS DAVIES.

JOSEPH MCGANN,
JOSEPH GREAVES.