

F. W. Bacon,
Steam Gage Cock,

No 24,692,

Patented July 5, 1859.

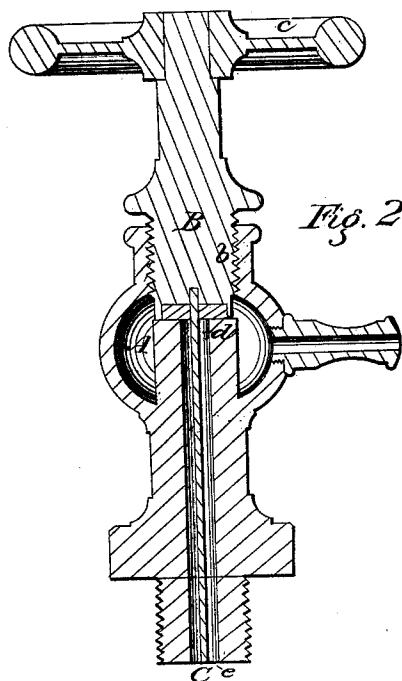


Fig. 2.

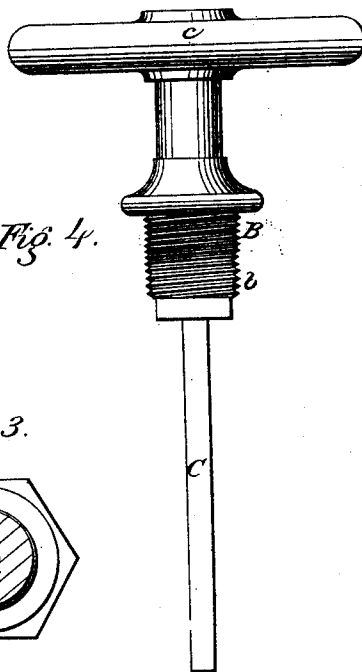


Fig. 4.

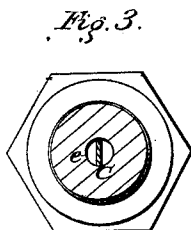
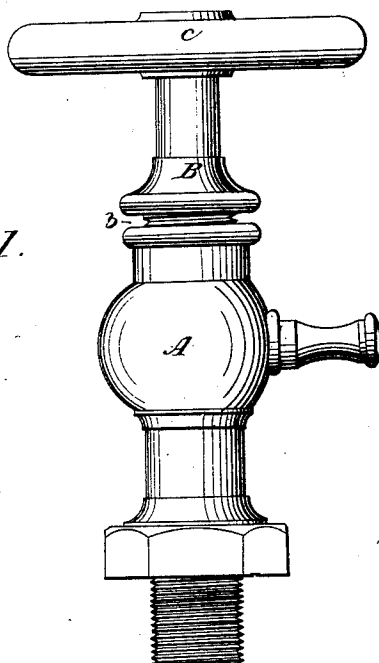


Fig. 3.

Fig. 1.



Witnesses.

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UNITED STATES PATENT OFFICE.

FRANCIS W. BACON, OF WEST NEWTON, MASSACHUSETTS, ASSIGNOR TO EDWARD H. ASHCROFT, OF BOSTON, MASSACHUSETTS.

GAGE-COCK FOR STEAM-BOILERS.

Specification of Letters Patent No. 24,692, dated July 5, 1859.

To all whom it may concern:

Be it known that I, FRANCIS W. BACON, of West Newton, in the county of Middlesex and State of Massachusetts, have invented a
5 new and useful Improvement in Gage-Cocks for Steam-Boilers; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

10 Figure 1, is a side elevation, and Fig. 2, a longitudinal and vertical section of a gage cock furnished with my invention. Fig. 3, is a transverse section taken through the throat and the clearer, thereof, while Fig. 4,
15 is a side view of the screw plug and the clearer as removed from the throat and the body of the cock or faucet.

The nature of my invention consists in the application of a throat clearer to the
20 screw plug of a gage cock and so as to extend into the throat of the cock and be capable of being rotated therein with and by the screw plug—the object of the clearer being to prevent the throat from becoming
25 clogged by foreign matter or mineral deposits.

30 The common gage cocks, or try cocks of steam boilers are very liable to become so clogged in their throats, and when such is the case, a considerable expenditure of time and labor is frequently required for removal of the obstructing matter.

In the drawings, A, denotes the body of the gage cock, while B is the screw plug which operates within the body and with
35 reference to a valve seat *a*, either against which or away from which it may be moved by a screw, *b*, applied to a hand wheel, *c*, and screwed into the body. The throat or induction passage, *e*, of the said body is
40 cylindrical and receives within it a thin metallic bar or clearer, C, whose width corresponds to or nearly to, the diameter of the said passage, such bar being made to extend from the center of the screw plug.
45 This bar rotates with the screw plug and serves to prevent calcareous deposits or foreign matter from becoming incrustated on the inner surface of the passage, any of
50 which lodging therein being discharged by the steam or the water on the gage cock being opened.

I claim—

The combination of the throat clearer C, with the throat and the screw plug of the
55 gage cock and so as to operate therewith substantially as specified.

In testimony whereof, I have hereunto set my signature.

FRANCIS W. BACON.

Witnesses:

JOSIAH M. HUBBARD,
CHAS. HOUGHTON.