P. MOONEY.

Safety-Valves.

No. 154,509. Patented Aug. 25, 1874.

Fig. 1

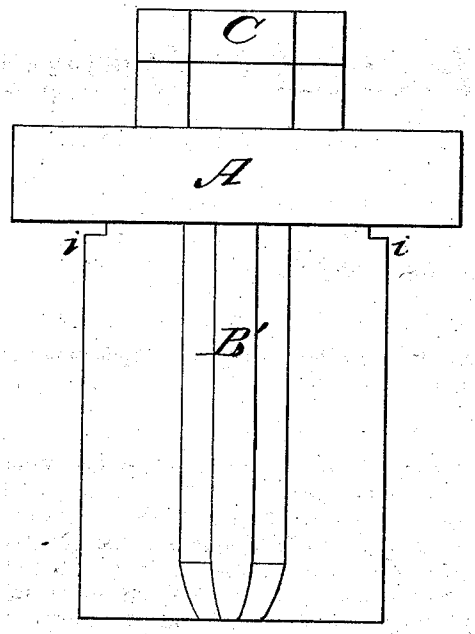


Fig. 2

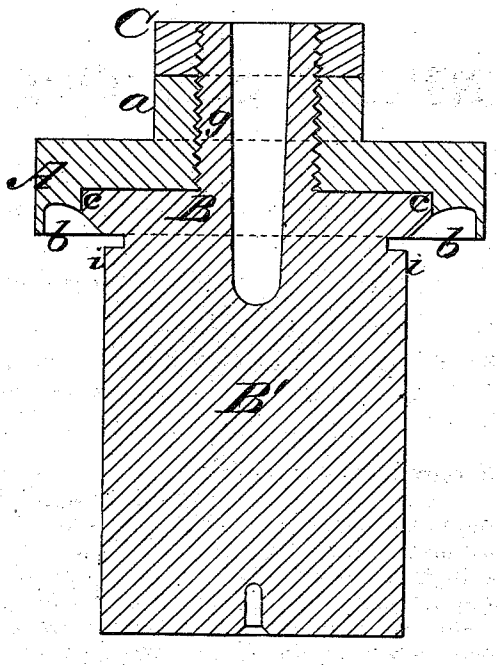
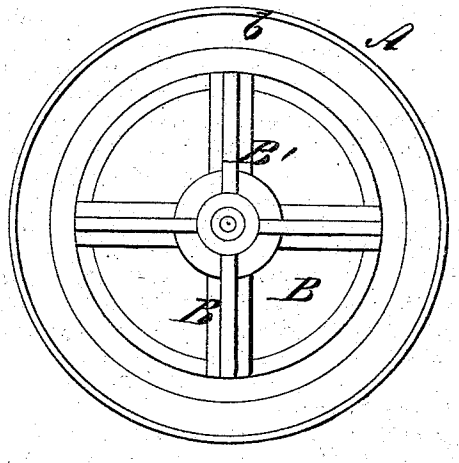


Fig. 3



WITNESSES

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UNITED STATES PATENT OFFICE.

PATRICK MOONEY, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SAFETY-VALVES.

Specification forming part of Letters Patent No. **154,509**, dated August 25, 1874; application filed July 25, 1874.

To all whom it may concern:

Be it known that I, PATRICK MOONEY, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and valuable Improvement in Safety-Valves; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a side view of my safety-valve. Fig. 2 is a sectional view, and Fig. 3 is an end view, of the same.

This invention has relation to safety-valves for steam-boilers; and my object is to improve the safety-valve described in the Letters Patent to George W. Richardson, dated September 25, 1866, by attaching the lipped portion of the valve to the body thereof by means of a screw and a check-nut, whereby the said lip can be varied to allow for wear on the seat, so that the engine can quickly release herself without materially reducing pressure.

In the annexed drawings I have represented a valve, which, in general appearance, resembles the valve of Richardson above referred to. A designates the adjustable lipped portion of the valve, which has on its under side an annular cavity, *b*, and which is screw-tapped centrally to receive the threaded portion *g*. This lipped portion is also constructed with a nut, *a*, on its upper side, on which bears a check-nut, C, applied on the screw-stem *g*, for the purpose of holding the portion A in the adjusted position. Inside of the groove *b* is a circular recess, which is designed to receive the cylindrical portion of the valve B. This valve B is constructed with the usual notches *i* and feathers B′.

It will be seen from the above description that the lipped portion A is adjustable on the body of the valve, and may be varied to allow for wear on the valve-seat.

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

The adjustable lipped portion A, with annular cavity *b* on its under side, and constructed with a nut, *a*, in combination with the screw-stem *g* and check-nut C, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

PATRICK MOONEY.

Witnesses:

THOMAS FEE, Jr.,

JOHN REID.