

J. E. HUGOU.
Governors.

No. 144,205.

Patented Nov. 4, 1873.

Fig. 1.

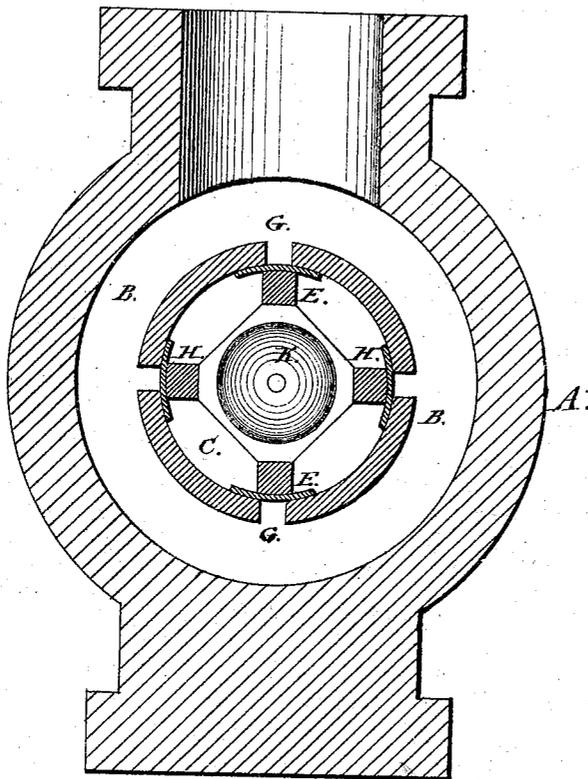
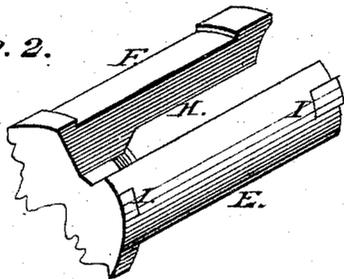


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN E. HUGOU, OF RICHMOND, INDIANA.

IMPROVEMENT IN GOVERNORS.

Specification forming part of Letters Patent No. **144,205**, dated November 4, 1873; application filed October 17, 1873.

To all whom it may concern:

Be it known that I, JOHN E. HUGOU, of Richmond, Wayne county, Indiana, have invented certain Improvements in Governors for Steam-Engines, of which the following is a specification:

My invention relates to an improvement in governors for steam-engines, wherein I use a rotary valve or valves fitted into a cylindrical valve-seat, said seat being inclosed within a chamber. The rotary valve has arms H H, to which the packing-plates E E are attached, as hereinafter described.

Figure 1 is a vertical section of the outer casing, inclosing the chamber B; also showing a cross-section of the valve and valve-seat. Fig. 2 is a section of the valve, showing the manner of attaching the packing-plates.

A is the outer casing, inclosing the chamber B and cylindrical valve-seat C. The packing-plates E E cover the ports G G, and H H are the arms of the valve, to which the packing-

plates are attached by means of the notches I I passing through the plate, as shown in Fig. 2. F is a recess in the arm, into which the packing-plate is placed. The arm and plate may be made solid or in one piece, and thus form a balance-valve; or it may be constructed as shown, and serve the purpose of a butterfly-valve. The steam presses the packing-plate tightly against the valve-seat C. G G are the ports.

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

The combination of the cylindrical valve-seat C, placed in the chamber B, the valve K, having the arms H, and packing-plates E, with the ports G, all arranged and operating substantially as described.

JOHN E. HUGOU.

Witnesses:

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