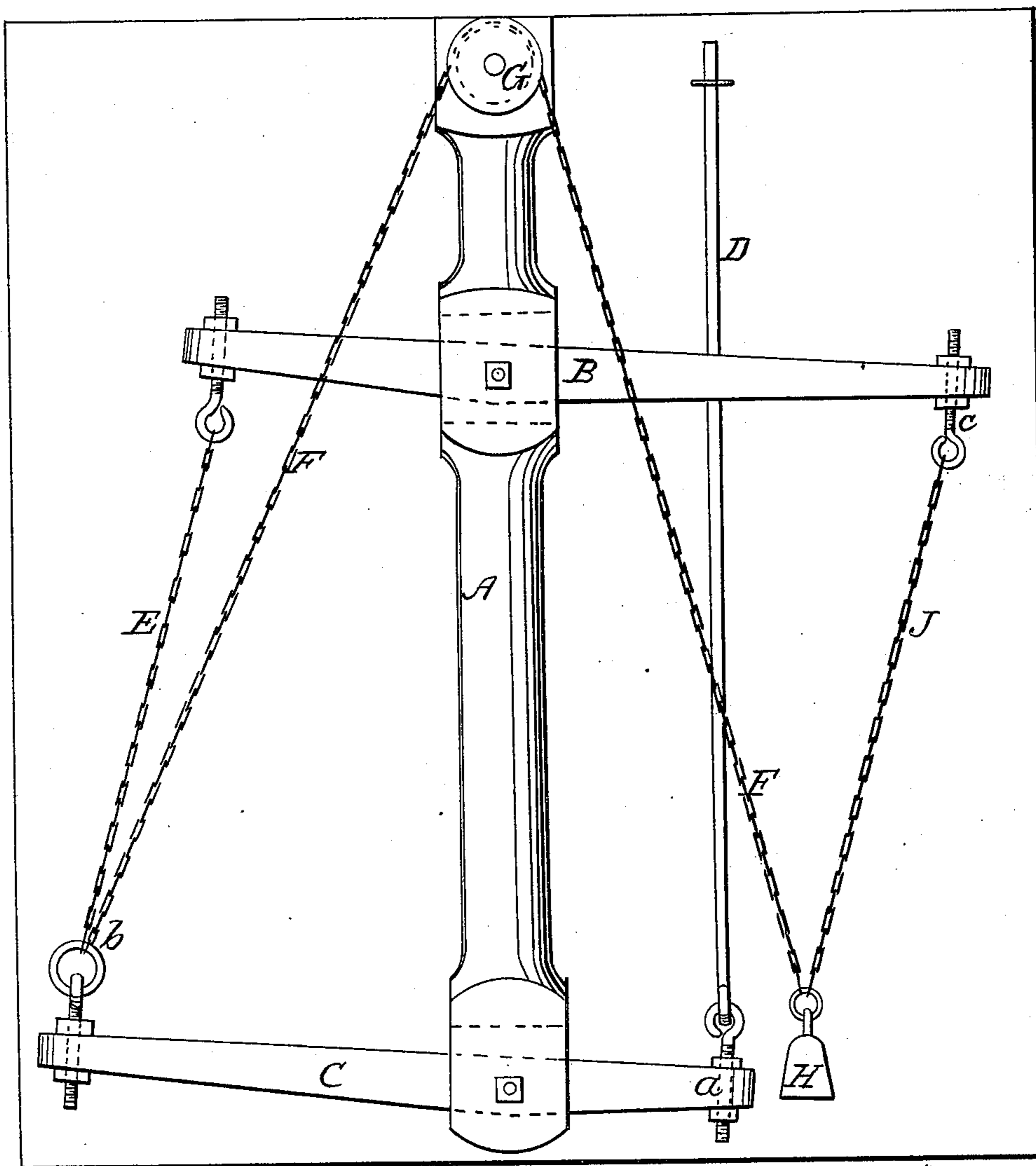


Patented Sep. 3, 1867.



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68495

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United States Patent Office.

JOHN EDDY, OF BARNESVILLE, OHIO.

Letters Patent No. 68,495, dated September 3, 1867.

IMPROVEMENT IN STEAM-ENGINE GOVERNORS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN EDDY, of Barnesville, in the county of Belmont, and State of Ohio, have invented a new and useful Improvement in Steam-Engine Governors; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of this invention is to render the action of the ordinary centrifugal governor more sensitive to variations of speed in the engine than is usual by the common method; and it consists in an arrangement of levers and chains, combined with a weight and rod, whereby the governor of the engine controls the throttle-valve in the most perfect manner, as will be hereinafter described.

The drawing represents an elevation of the apparatus, showing the different parts and their combination with each other.

A is a pillar or stand, which supports the levers, which levers have their fulera in mortises or slots therein, as seen in the drawing. B is the upper lever, and C is the lower lever. D is a rod, which is attached to or connected with the sliding-sleeve of the governor. This rod D is connected at its lower end with the lever C at *a*. The two levers are connected together at one end by a chain, marked E. F is a chain, which is attached to the lower lever C at *b*, from whence it passes up over a pulley, marked G; and it then passes down and takes hold of a weight, marked H, as seen in the drawing. J is another chain, which is connected with the upper lever B at *c*, and to the weight H, as seen. The weight H represents the throttle-valve as the valve is opened or closed as the weight is raised or lowered by the action of the governor on the levers.

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

The combination of the pillar A, levers B C, connecting-rod D, chains E F J, pulley G, and weight H, substantially as described for the purpose specified.

JOHN EDDY.

Witnesses:

JOHN REED,
ISAAC L. HOLMES.