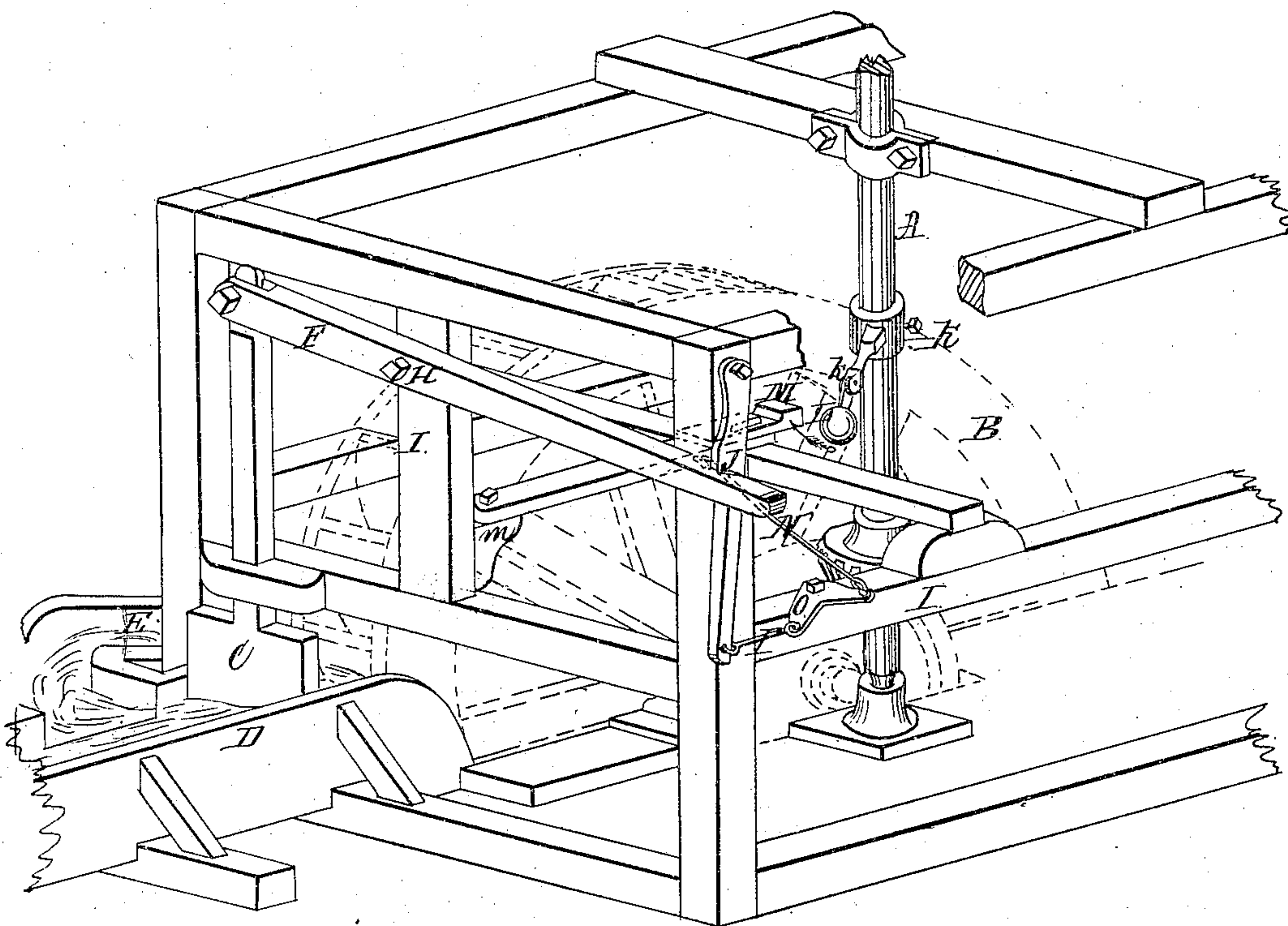


GOVERNOR.

No. 61,381.

Patented Jan. 22, 1867.



Witnesses:
Edward H Knight
Geo W Rootwell.

Inventor:
William Palmer.
by attorneys
Munroe &

United States Patent Office.

WILLIAM BAHME, OF NEW MEDIA, PENNSYLVANIA.

Letters Patent No 61,381, dated January 22, 1867.

IMPROVEMENT IN 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, WILLIAM BAHME, of New Media, in the county of Columbia, and State of Pennsylvania, have invented a new and improved Mill-Governor; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which the invention appertains to make use of it, reference being had to the accompanying drawing, which forms a part of this specification, and in which my invention is represented by a perspective view.

This device is intended to close the water-gate and stop the water-wheel when a certain speed is attained. When the grain ceases to feed between the mill-stones, the rapid revolution of the runner frequently fires the wood-work. To avoid this a revolving governor-ball is pivoted by an arm to the mill-shaft, so as, by the rise due to a high rate of speed, to strike a plate and release the water-gate, which controls the admission of water to the wheel.

In the drawing, A is the vertical shaft, which is revolved by the water-wheel B. C is the water-gate, which, when down, forms a barrier to the water in the flume D. E is a waste-way. The vertical shaft of the water-gate C is pivoted to the end of the lever F, which has its fulcrum on the pin H of the main frame I, and the water-gate is supported in its raised position by the catch J. Fastened upon the vertical shaft A is a collar, K, having an arm, *k*, from which is suspended by an arm, a ball, L. As the shaft revolves the ball L flies outwardly, and as the speed increases, it rises higher and higher, until it strikes against the end of the plate M, which is pivoted to a bracket, *m*, on the main frame I. As the plate M moves, it draws upon the rod N, rotates the bell-crank O, and, by means of the rod P, withdraws the catch J, so that the lever F vibrates, the water-gate C falls, and the machinery stops. Many mills have been burned by fire resulting from the attrition of the mill-stones, when, from some cause, the feed of grain has ceased. In such a case, the surfaces of the stones being relieved from the grain, meet with less resistance, and therefore revolve more rapidly. They also revolve in contact, and become heated, striking sparks, which fire the wood-work. My invention is designed to prevent this accident by providing a device which will shut off the water from the wheel when an unsafe speed is attained.

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

The arrangement upon the mill-shaft of a pivoted governor-ball and arm, to actuate a detaching apparatus for the water-gate lever, substantially as described.

To the above specification of my improved mill-governor I have signed my hand this 6th of December, 1866.

WILLIAM BAHME.

Witnesses:

S. C. KEMON,

EDWARD H. KNIGHT.