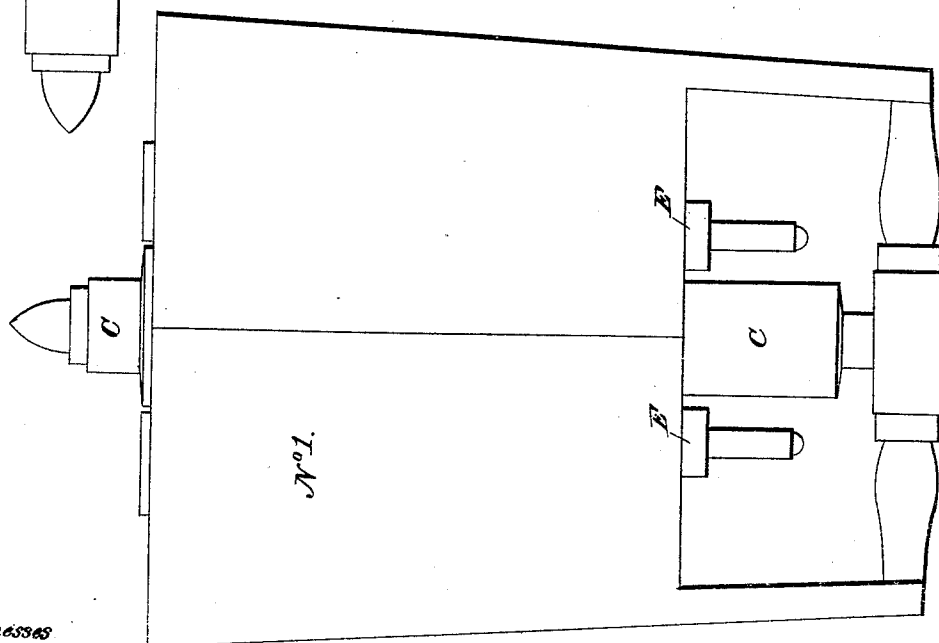
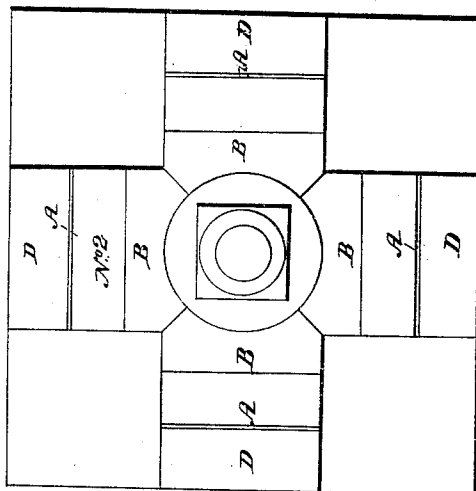
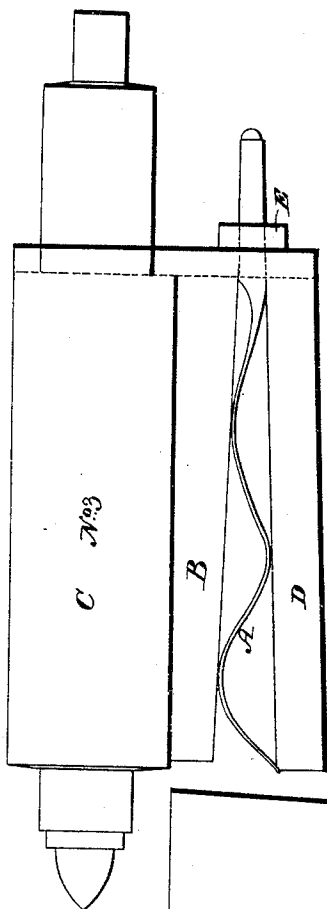


G. W. WILSON.

Mill Spindle.

No. 36,975.

Patented Nov 18, 1862.



Witnesses
J. V. Ballou
John C. Starnes

Inventor.
G. W. Wilson

UNITED STATES PATENT OFFICE.

GEORGE W. WILSON, OF GALESBURG, ILLINOIS.

IMPROVEMENT IN MODE OF TIGHTENING FOLLOWERS TO MILL-SPINDLES.

Specification forming part of Letters Patent No. **36,975**, dated November 18, 1862.

To all whom it may concern:

Be it known that I, GEORGE W. WILSON, of Galesburg, in the county of Knox and State of Illinois, have invented a new and useful Mode of Tightening Followers to Mill-Spindles; 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 the specification, in which —

Figure No. 1 is a perspective view. No. 2 is a view of the top of the bush, followers, and end of springs. No. 3 is an internal view of spindle, followers, spring, and bush.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A is the spring, B is the follower, C is the spindle, D is the bush, E is the nut.

The nature of my invention consists in placing an elliptical spring, having four bearings between the bush and follower, the upper end of the spring passing over the upper end of the bush with an angle sufficient to give the

pressure required, the lower end being furnished with a nut and screw, so that when the screw is turned up it draws the spring down into the wedged cavity, which gives the pressure required. Thus it will be seen that I obviate the necessity of removing the stone for the purpose of tightening or loosening the followers, and that the springs will accommodate themselves to the pressure in case of expansion or contraction of the spindle. In case it heats or expands, the springs will yield to the pressure and prevent the cutting of the follower or spindle. It will save much time and expense over any mode now in use.

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

The secured spring A, constructed as described, in combination with adjusting-nut E and follower B, when arranged and operated as and for the purposes set forth.

GEORGE W. WILSON.

Witnesses:

JNO. C. STEWART.

JOHN MCFARLAND.