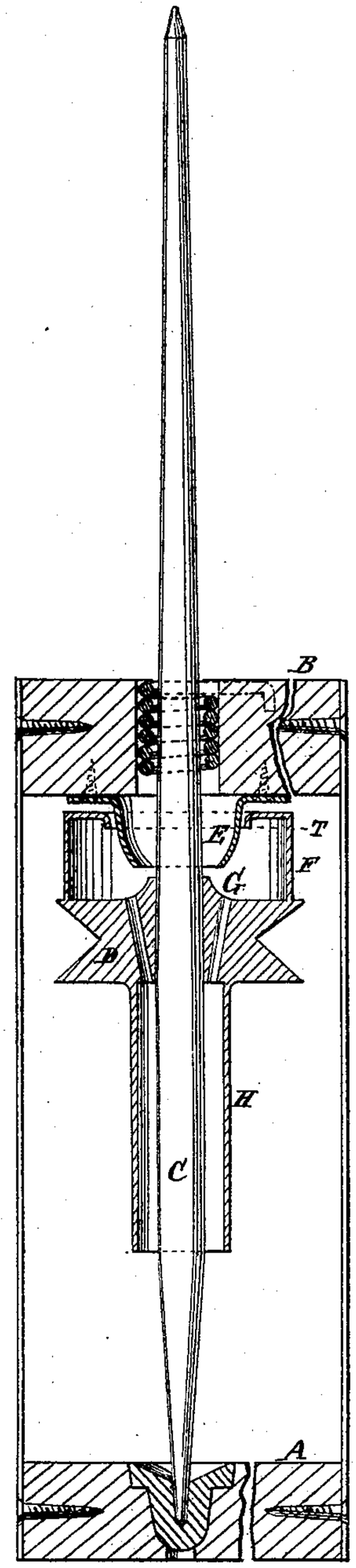
W. G. BARTLEY.

Spindles.

No. 149,089. Patented March 31, 1874.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM G. BARTLEY, OF ROCHESTER, MINNESOTA, ASSIGNOR TO HIMSELF AND ANSON B. BEACH, OF SAME PLACE.

IMPROVEMENT IN SPINDLES.

Specification forming part of Letters Patent No. **149,089**, dated March 31, 1874; application filed February 21, 1874.

To all whom it may concern:

Be it known that I, WILLIAM G. BARTLEY, of Rochester, in the county of Olmsted and State of Minnesota, have invented a new and Improved Oiling Apparatus for Spindles, of which the following is a specification:

My invention consists of a funnel on the under side of the bolster-rail, extending into a cup on the top of the pulley, to receive the oil which drips from the bolster-bearing above; also, holes through the pulley to conduct the oil down, and also a tube on the under side of the pulley, extending down the spindle for some distance, to conduct the oil which drips from the bolster-rail down to the step, and prevent it from getting on the face of the pulley and on the band.

The invention is designed for the spindles of jacks, mules, and other spinning machinery.

The drawing is a sectional elevation of the bolster and step-rails, also the pulley and the attachments which I apply for protecting the band and pulley from the oil.

A is the step-rail; B, the spindle-rail; C, the spindle, and D the pulley, as commonly arranged in a spinning-machine. E is a funnel, which I attach to the under side of the bolster-rail to receive the oil dripping from the bearing above, and conduct it downward into the cup F, which I attach to the top of the pulley to prevent the oil from flowing outward to the face and to the belt, and cause it to flow through the pulley at the holes G to the under side into the tube H, attached to the under side of the pulley, and extending sufficiently below to insure the escape of the oil beyond the pulley and belt and onto the step-rail below, both for the protection of the belt and for lubricating the step by the waste oil from the bolster. The cup has a flange, T, on top to prevent the oil from escaping over the top.

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

The combination of the pulley D, provided with cup F, tube H, and oil-passages G with funnel E and spindle C, substantially as specified.

WILLIAM G. BARTLEY.

Witnesses:

L. L. EATON,

B. W. EATON.