

(No Model.)

A. W. ALLEN.

SPINDLE HOLDER FOR SPINNING MACHINES, &c.

No. 410,392.

Patented Sept. 3, 1889.

Fig 1.

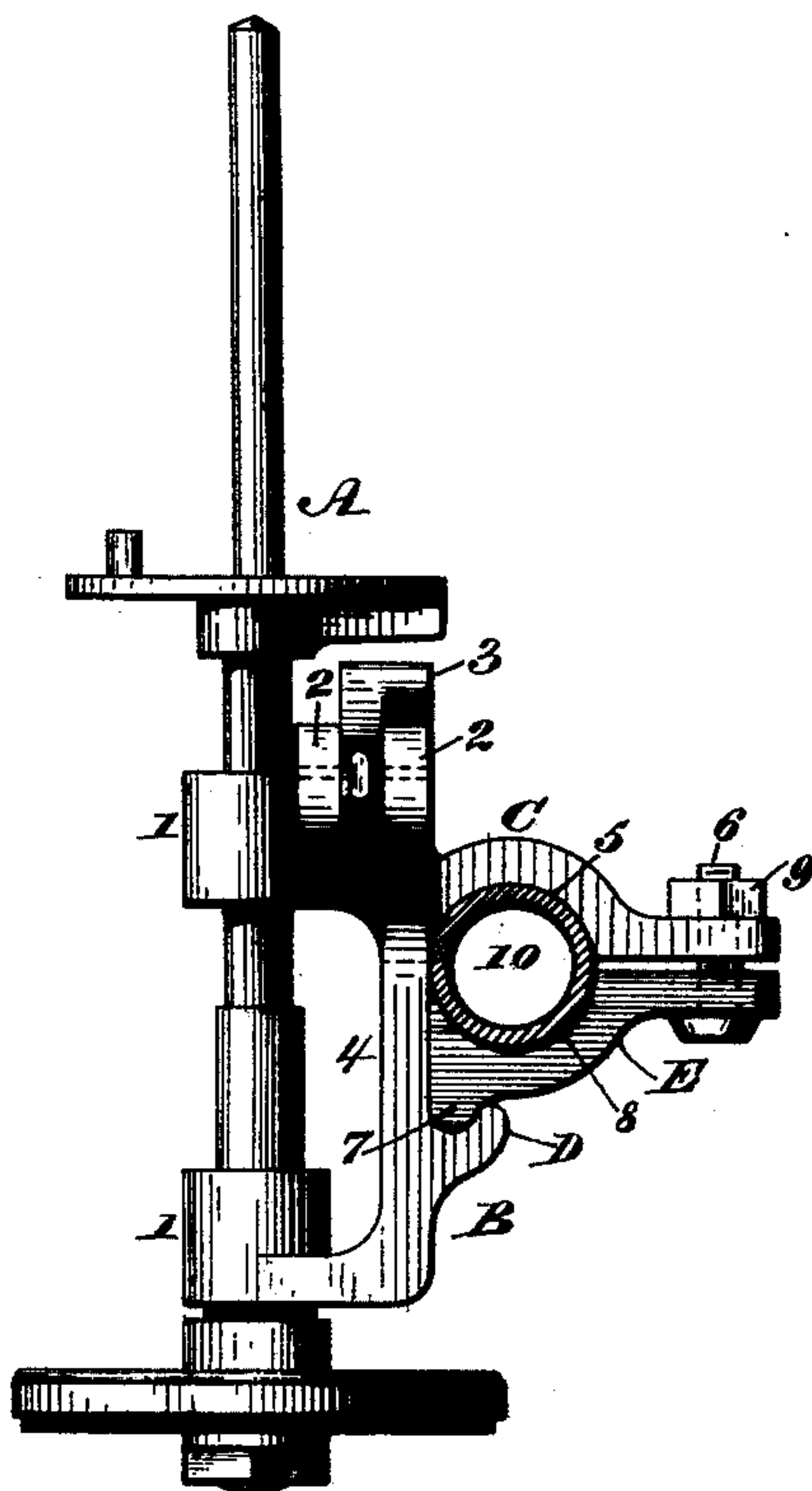


Fig 2

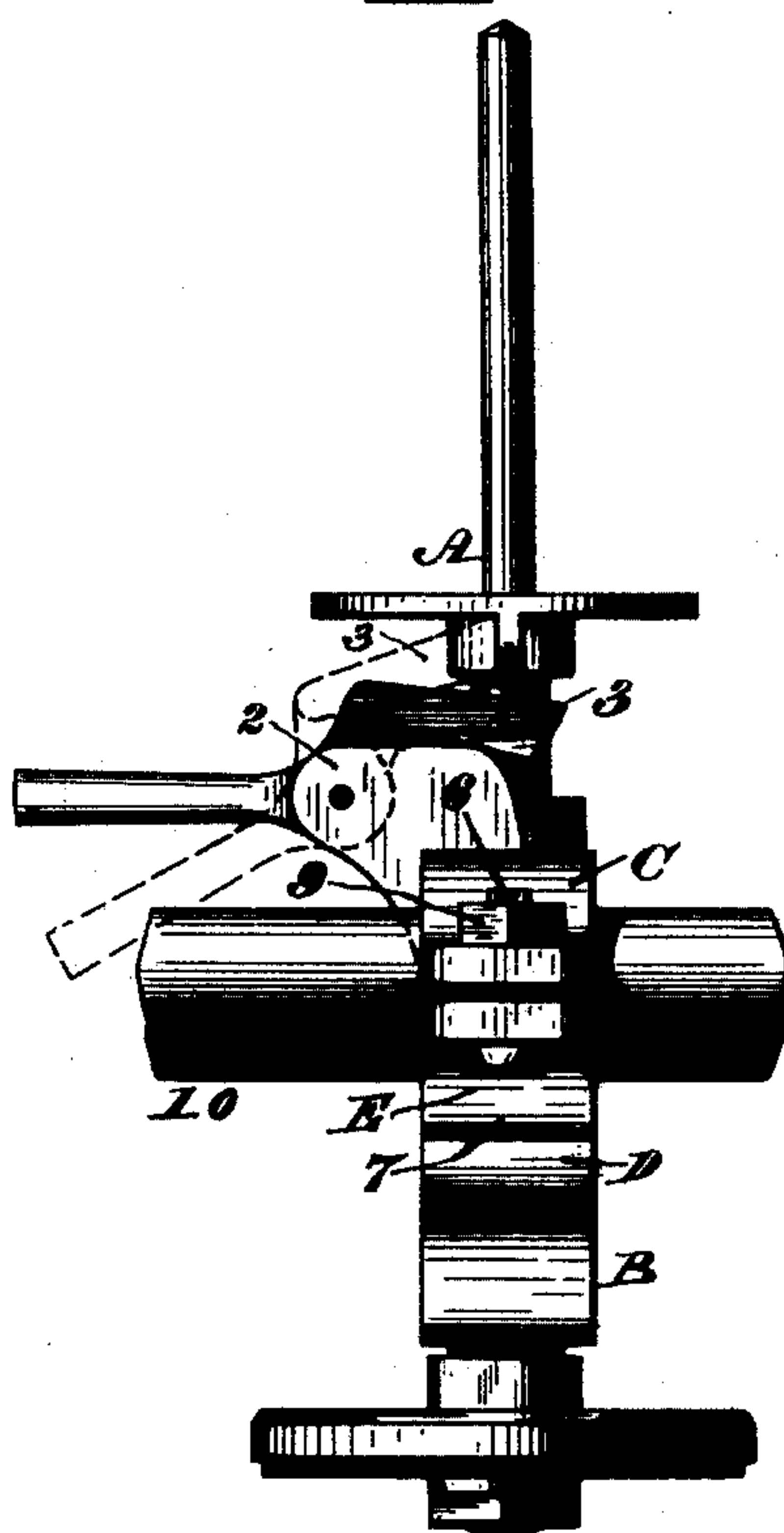
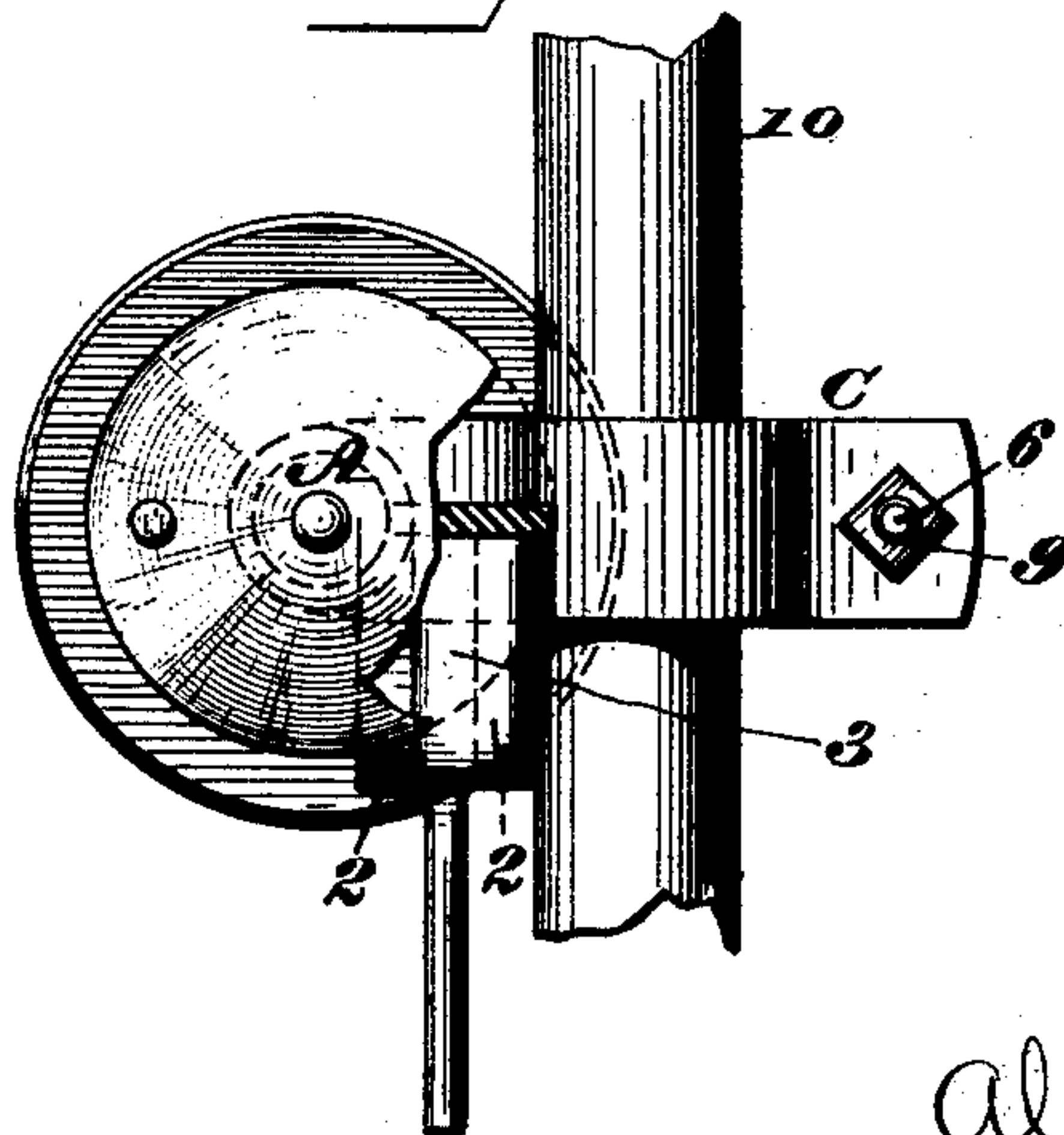


Fig 3



Witnesses
L. Douville,
A. P. Jennings.

Inventor
Alongo W. Allen
By his Attorneys
Wiederheime & Spinkner

UNITED STATES PATENT OFFICE.

ALONZO W. ALLEN, OF PHILADELPHIA, PENNSYLVANIA.

SPINDLE-HOLDER FOR SPINNING-MACHINES, &c.

SPECIFICATION forming part of Letters Patent No. 410,392, dated September 3, 1889.

Application filed February 1, 1889. Serial No. 298,385. (No model.)

To all whom it may concern:

Be it known that I, ALONZO W. ALLEN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Spindle-Holders for Spinning-Machines, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a spindle-holder which is provided with a clamp of such construction that said holder may be removed from its beam or support without disturbing another holder that may be fitted thereon.

Figures 1 and 2 represent side elevations at a right angle to each other of a spindle-holder embodying my invention. Fig. 3 represents a partial top view and partial horizontal section thereof.

Similar letters and numerals of reference indicate corresponding parts in the several figures.

Referring to the drawings, A designates a spindle of well-known form and construction, the same being mounted in bearings 1, formed on the frame of the holder B, the latter having ears 2, to which is pivoted the stopping-latch 3. Projecting laterally from the upright portion 4 of the frame of the holder B is an arm C, whose under face has a semi-cylindrical recess 5, and whose outer end has passed through it a screw or bolt 6.

D designates a foot, which projects laterally from the frame of the holder below the arm C and receives a lip 7 on the lower end of a removable arm E, said lip being on the inner end of the arm E and forming a hinged joint with said foot. The upper face of the arm E has in it a semi-cylindrical recess 8, and the outer end of said arm has passed through it the bolt 6, said bolt being provided with a nut 9, for holding and clamping purposes, as will be hereinafter explained.

It will be seen that the beam or support 10 is fitted between the arms C and E in contact with the walls of the recesses 5 and 8, and the arm E is interlocked with the foot D. The nut 9 is tightened, whereby the arms are brought together, and said arms close against and clamp the beam or support 10. By these means the spindle-holder may be firmly and reliably sustained in position, as almost the entire surface of the beam or support is embraced by the two arms, which latter, as is evident, are controlled by the screw or bolt

6. Should it be desired to displace the spindle-holder, the screw or bolt 6 is removed, whereby the arm E may be withdrawn from its place of occupation, this being accomplished by a lateral motion, inasmuch as said arm is applicable to and removable from the foot D at the side of the same. As the arm C has its recess open or uncovered, the holder may now be lifted clear of the beam or support and repaired, (or replaced, if necessary,) after which it may be restored, in which case the arm C is located on the beam or support, and the arm E slipped into the foot D at the side thereof, thus coming under the beam or support. The screw or bolt 6 is now inserted in the openings of the arms C E and the nut 9 applied and tightened, whereby the arms are brought together, the lip 7 readily turning on the foot D as a fulcrum, the two arms clamping the beam or support between them and sustaining the holder D, as has been hereinbefore stated.

The boss 1, ears 2, upright 4, arm C, and foot D are cast in one piece, thus making a lighter, stronger, and more durable holder than heretofore existing in articles of the class.

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

1. A spindle-holder having its frame, consisting of the bearings 1, ears 2, upright 4, arm C, with recessed under face, and foot D, formed in one piece, and the removable arm E, said foot D and arm E forming in connection with a screw or bolt in said arm C a clamp for sustaining the holder on the beam or support, substantially as described.

2. A spindle-holder having an arm which is removably fitted to the frame of said holder and a stationary arm opposite to said removable arm, the two arms embracing the beam or support and being clamped thereon by the screw or bolt, substantially as described.

3. The frame of a spindle-holder, having an arm, such as C, and a foot D, in combination with a removable arm E, which is connected with said foot by means of a lip 7, and with said arm by means of a screw or bolt 6, substantially as described.

ALONZO W. ALLEN.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. JENNINGS.