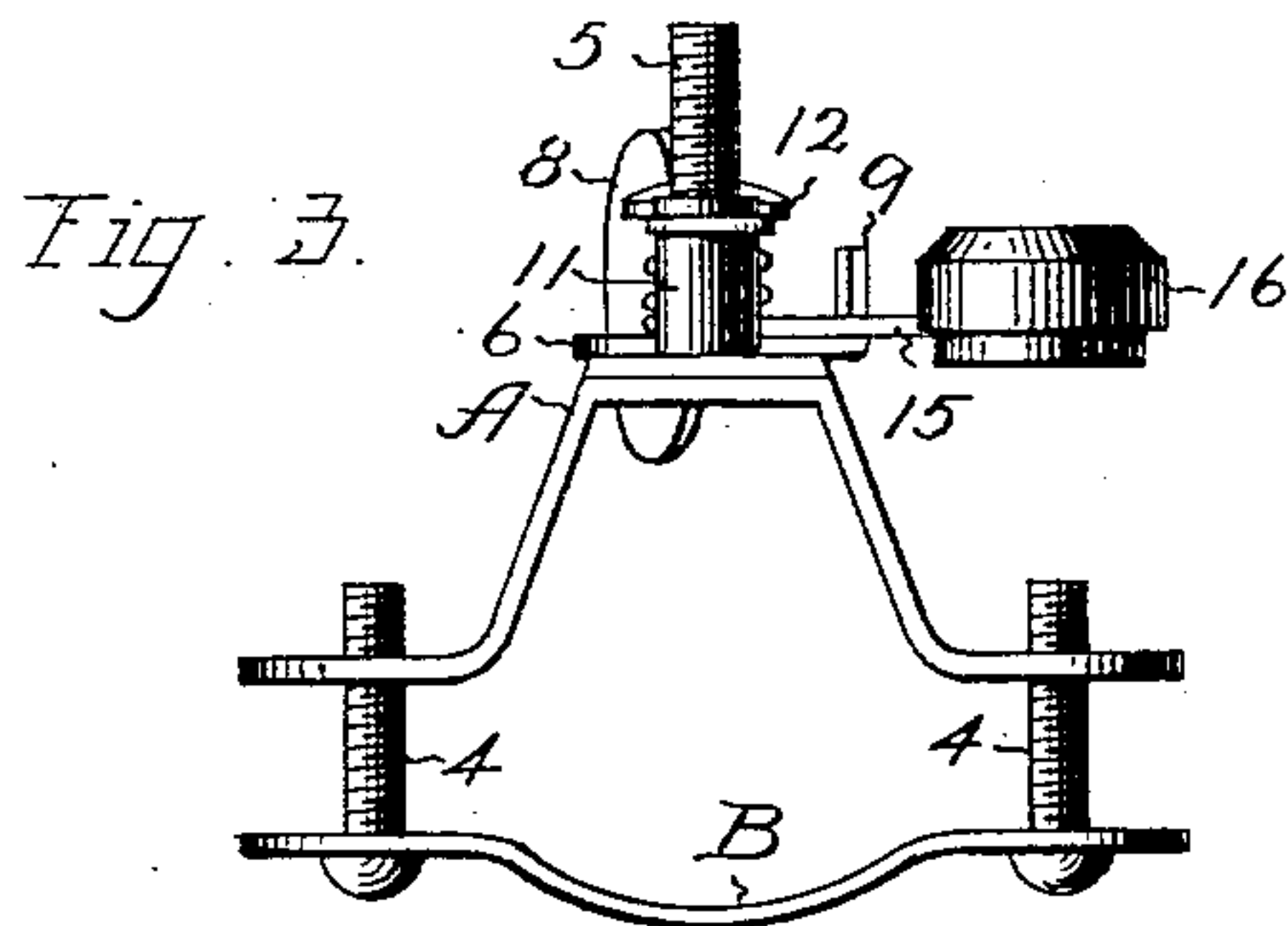
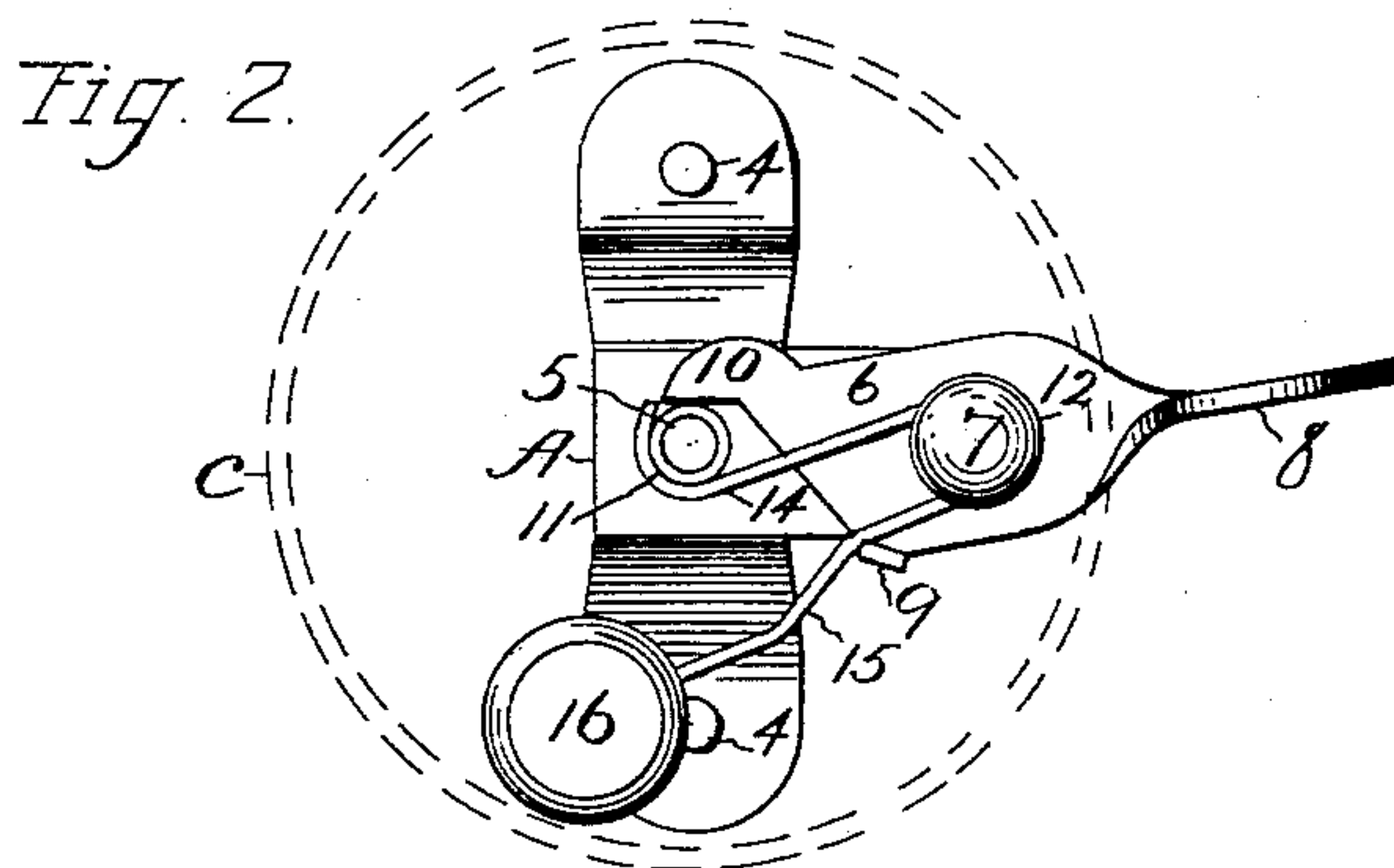
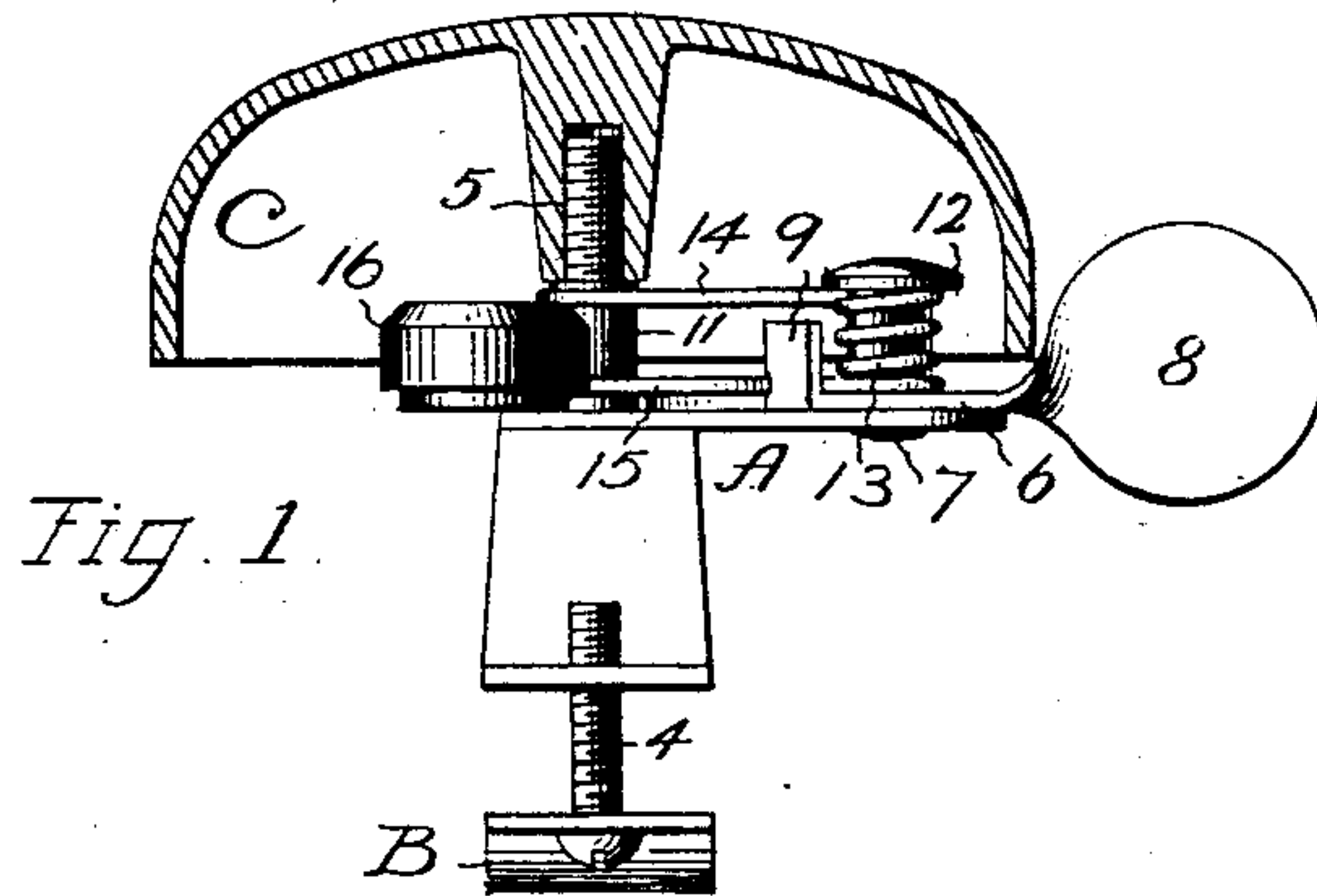


(No Model.)

W. E. HAMMOND.
BICYCLE BELL.

No. 587,578.

Patented Aug. 3, 1897.



Witnesses

W. E. Hammond
P. J. Egan

Inventor

William E. Hammond.
By James Shepard
Atty.

UNITED STATES PATENT OFFICE.

WILLIAM E. HAMMOND, OF MERIDEN, CONNECTICUT, ASSIGNOR TO THE
RUSSELL & ERWIN MANUFACTURING COMPANY, OF NEW BRITAIN,
CONNECTICUT.

BICYCLE-BELL.

SPECIFICATION forming part of Letters Patent No. 587,578, dated August 3, 1897.

Application filed March 3, 1897. Serial No. 625,848. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. HAMMOND, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Bicycle-Bells, of which the following is a specification.

My invention relates to improvements in bicycle-bells; and the objects of my improvements are simplicity and economy in construction and efficiency in operation.

In the accompanying drawings, Figure 1 is a sectional front elevation of my bell. Fig. 2 is a plan view with the gong removed and its position indicated by broken circles, and Fig. 3 is a side elevation of the same with the gong removed.

A designates the base in a form specially adapted for a bicycle-bell, said base being secured to or formed as a part of one member of an ordinary clamp. If the bell is to be used for other purposes, any other ordinary form of base may be substituted for the base A. B is the companion member of the clamp, the said two members being provided with clamp-screws 4 in the ordinary manner.

Upon the base A, I secure a central post 11 or standard, threaded at its upper end 5 for the reception of the ordinary gong C. A lever 6 is fulcrumed on the base by the pivotal stud 7 and is provided with a handle 8, lug 9, and stop-shoulder 10 for engaging one side of the central post 11 to stop or limit the movement of the lever 6 in one direction when said lever is in the position shown most clearly in Fig. 2. The stud or rivet 7, by which the lever 6 is pivoted to the base, projects from the broad side of said lever sufficiently to form

a spring-support and is provided with a flanged upper end 12 to retain the spring 13 against working off the end of said stud. One arm 14 of the spring 13 is secured to the base by having one end hooked around the central post, and the other arm 15 extends along by the side of and presses against the lug 9 of the lever 6 and terminates in a hammer 16.

The spring 13 holds the parts normally in the position shown. By pulling or pushing on the handle 8 of the lever 6 in the direction to carry the stop-shoulder 10, Fig. 2, away from the central post 11, thereby putting the spring under greater tension and suddenly releasing the lever, the spring will return the lever to its normal position. In reaching this position the lever moves with considerable energy until stopped by the engagement of the stop-shoulder and central post, after which the momentum of the hammer will deflect the spring sufficiently to have the hammer strike the gong, and the resiliency of the spring will bring the hammer to rest slightly out of contact with the gong, as it should do in all efficient bell-striking mechanisms.

I claim as my invention—

In a bell a striking mechanism consisting of a suitable base, a central post mounted thereon, the lever pivoted on said base and having a handle, stop-shoulder, and lug, the spring mounted on the pivotal stud of said lever and having one arm secured to the base and the other arm extending along by the lug on the lever and terminating in a hammer, substantially as described.

WILLIAM E. HAMMOND.

Witnesses:

THOS. S. BISHOP,
M. S. WIARD.