

No. 629,731.

C. H. VEEDER.
SPOKE PIN.

Patented July 25, 1899.

(Application filed Dec. 3, 1896.)

No Model.)

Fig. 1.

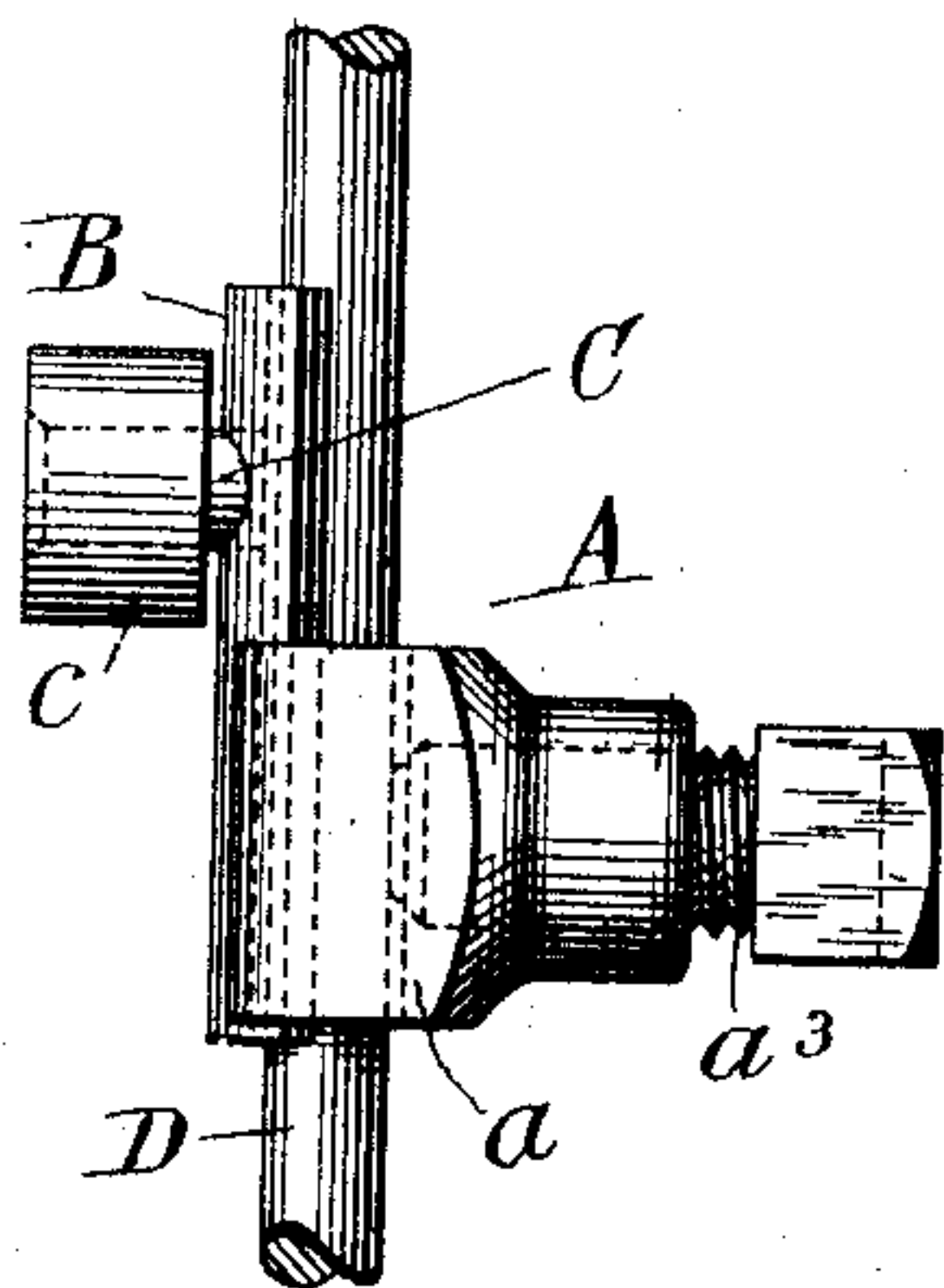


Fig. 2.

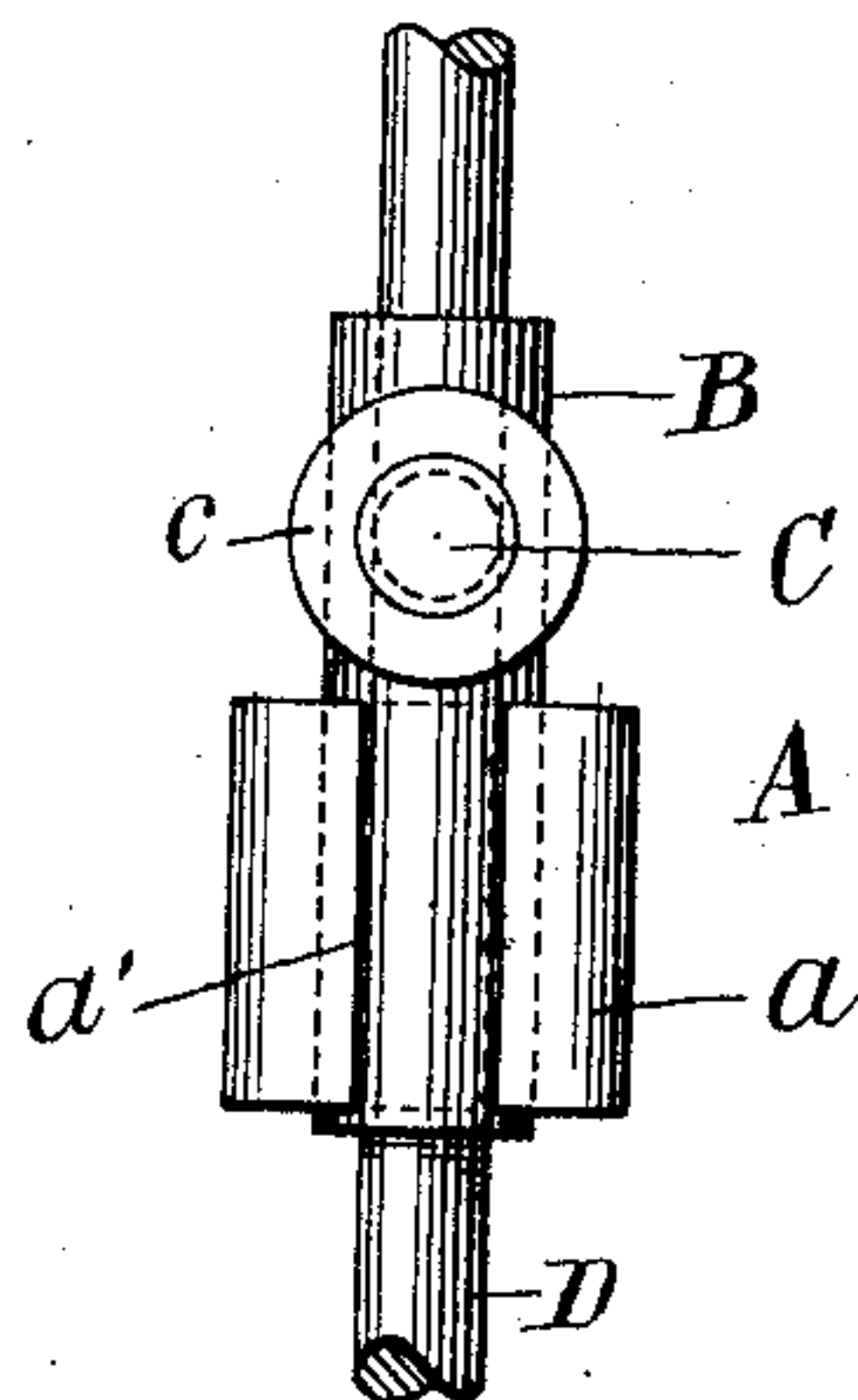


Fig. 3.

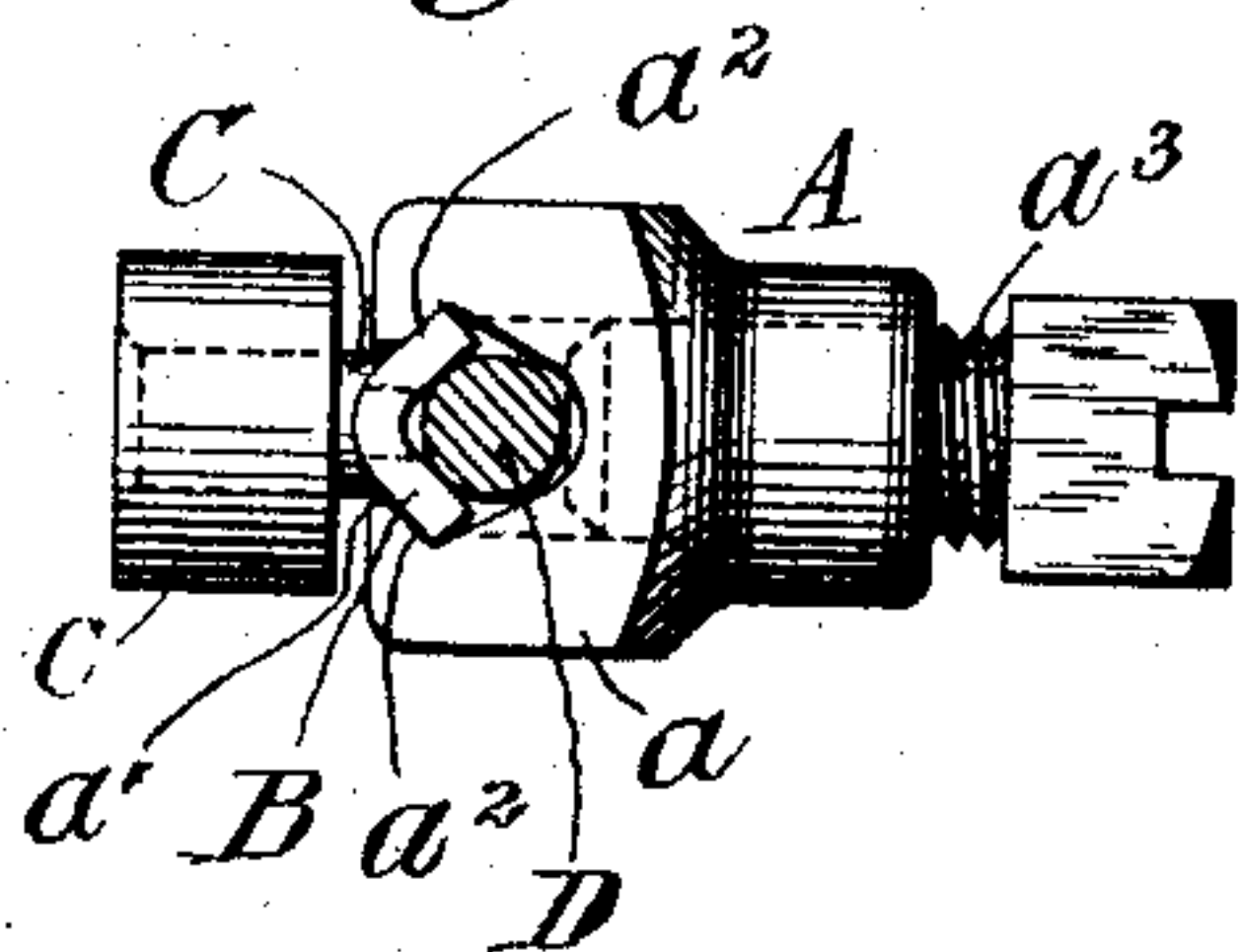
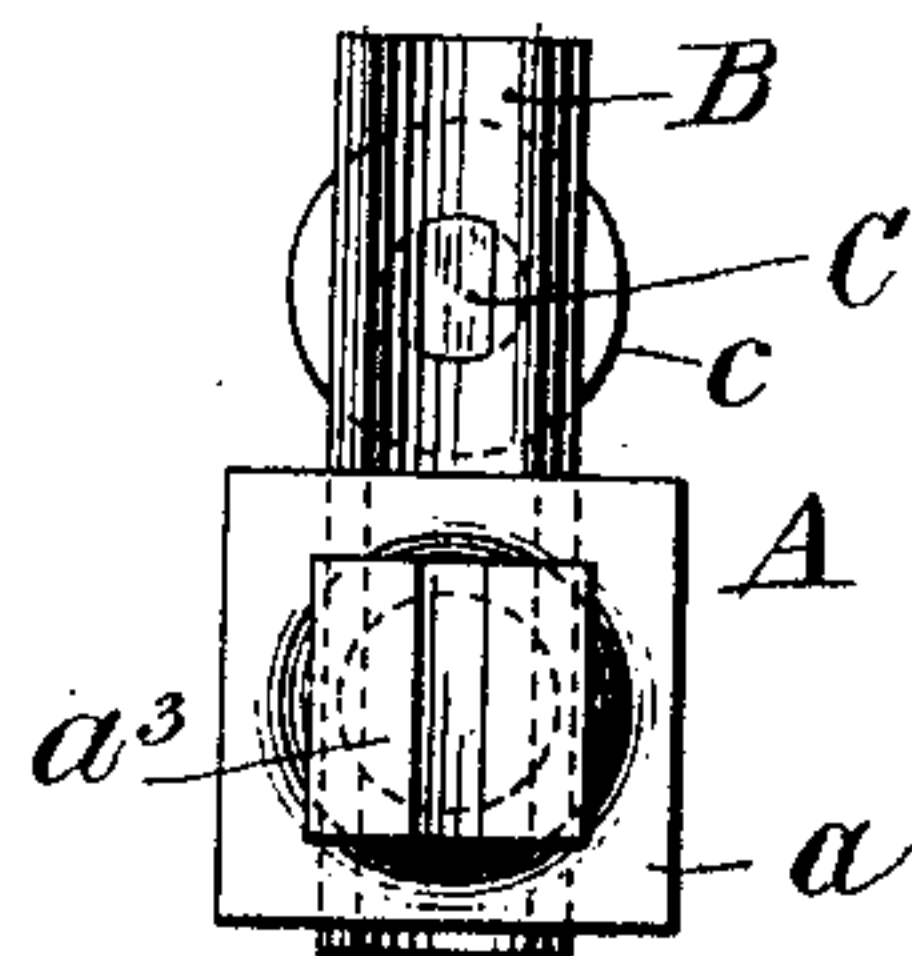


Fig. 4.



Attest:

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UNITED STATES PATENT OFFICE.

CURTIS HUSSEY VEEDER, OF HARTFORD, CONNECTICUT, ASSIGNOR TO THE
VEEDER MANUFACTURING COMPANY, OF SAME PLACE.

SPOKE-PIN.

SPECIFICATION forming part of Letters Patent No. 629,731, dated July 25, 1899.

Application filed December 3, 1898. Serial No. 698,198. (No model.)

To all whom it may concern:

Be it known that I, CURTIS HUSSEY VEEDER, a citizen of the United States, residing in the city and county of Hartford, State of Connecticut, have invented certain new and useful Improvements in Spoke-Pins, &c., of which the following is a specification, reference being had to the accompanying drawings, forming a part hereof.

10 This invention relates particularly to the construction of spoke-pins such as are commonly applied to the wheels of bicycles for the purpose of actuating cyclometers. On account of the limitations of the space within
15 which such spoke-pins must be placed and of the crossing of the wheel-spokes near the hubs it is oftentimes difficult to set the spoke-pin in the exact position which it should occupy with relation to the cyclometer even though
20 the latter be adjusted in position, and with the form of spoke-pin heretofore most generally used it has been necessary to remove entirely at least one screw from the clamp whenever the spoke-pin is to be removed from
25 or applied to the wheel.

It is the object of this invention to provide a spoke-pin which can be adjusted easily to the exact position required without necessitating the adjustment of the cyclometer and
30 can also be removed or applied easily and without requiring the complete withdrawal of any screw.

Although the invention has been made with especial reference to the particular use referred to, it will nevertheless be understood
35 that it is capable of application to other uses and for other purposes.

In the accompanying drawings, in which the invention is illustrated in a convenient and practical embodiment thereof, Figure 1
40 is a side view of the improved device applied to a rod or bar which may represent the spoke of a bicycle-wheel. Fig. 2 is a view of the same as seen from the left in Fig. 1. Fig. 3 is an end view of the same with the rod or
45 bar in section; and Fig. 4 is a view of the same seen from the right in Fig. 1, but without the rod or bar.

The device as a whole, whatever the particular use to which it may be applied, is referred to herein as a "spoke tappet or pin." 50 It comprises a clamp A, a slide or carrier B, and a pin C, which in the particular use referred to hereinbefore makes contact with the star-wheel of the cyclometer at each revolution of the pin about the axis of the bicycle-wheel. The tappet or pin C is shown as having a roller *c* thereon, although it is not essential. The slide or carrier B, to which the tappet or pin C is secured in any suitable
60 manner, as by being riveted therein, is adjustable transversely on the clamp A. For convenience the latter is formed with a head *a*, which is slotted, as at *a'*, the edges of the slot being undercut or dovetailed, as indicated at *a''*. The slot *a'* is of such width as to permit the shank of the pin C to move through the same and to permit the clamp to be slipped upon the rod or bar B, to which it is to be applied, which rod or bar in the particular use above referred to may be one of
70 the spokes of a bicycle-wheel. A set-screw *a'''* is threaded into the head to bear upon such rod or bar. The slide or carrier B is of such a width as to be engaged by the overhanging
75 edges of the clamp and in the form of the device shown is preferably concaved that it may be seated more firmly upon the rod or bar D, which is clamped between such slide or carrier and the end of the set-screw *a'''*. 80

It will be observed that by simply loosening the set-screw *a'''* the slide or carrier B can be slipped along or withdrawn and reversed in position, so as to place the pin C in any desired position with respect to the clamp; 85 also, that when the slide or carrier has been withdrawn from the clamp the latter can be at once removed from the wheel.

I claim as my invention—

1. A device of the character described, comprising a clamp, a carrier adjustable transversely on the clamp and a tappet on the carrier, said carrier and clamp being adapted to receive between them the rod or bar to which the device is applied. 95

2. A device of the character described, com-

prising a slide having a laterally-projecting
pin and a clamp having a slot to receive both
the slide and the rod or bar to which the de-
vice is applied, said clamp being provided
5 with an undercut or dovetailed portion, as a^2 ,
and provided with a set-screw to bear upon
the rod or bar, substantially as described.

This specification signed and witnessed this
22d day of November, A. D. 1898.

CURTIS HUSSEY VEEDER.

In presence of—

E. BARRIE SMITH,

CHAUNCEY B. LAMB.