

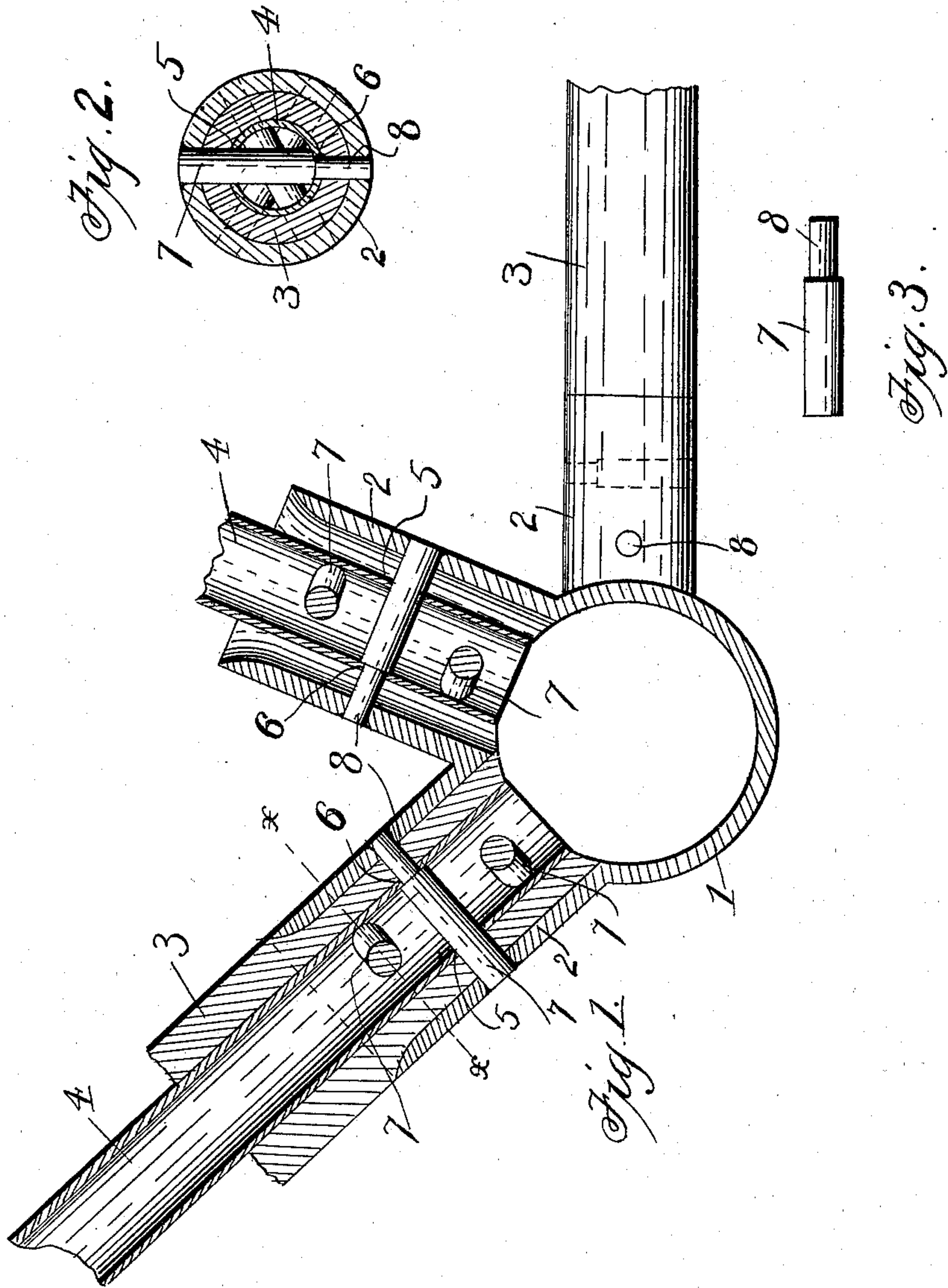
No. 609,952.

Patented Aug. 30, 1898.

A. F. TEMPLE.
BICYCLE FRAME.

(Application filed Sept. 9, 1897.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

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BICYCLE-FRAME.

SPECIFICATION forming part of Letters Patent No. 609,952, dated August 30, 1898.

Application filed September 9, 1897. Serial No. 651,127. (No model.)

To all whom it may concern:

Be it known that I, ANSEL F. TEMPLE, a citizen of the United States, residing at Muskegon, in the county of Muskegon and State of Michigan, have invented certain new and useful Improvements in Bicycle-Frames; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to the frames of bicycles; and its object is to provide an improved joint whereby the bars are securely connected with the couplings; and it consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a view, partly in section and partly in elevation, of a bicycle-frame coupling and connections made in accordance with my invention. Fig. 2 is a section on the line $x x$, Fig. 1. Fig. 3 is a view of one of the rivets removed.

In the said drawings the reference-numeral 1 designates a bicycle-frame coupling provided with one or more sockets 2, made integral therewith. Fitting in these sockets are hollow wooden bars 3, the ends of which are driven thereinto. Seated in said bars are metal tubes 4, formed at suitable points with opposite holes 5 and 6, the holes 5 being larger or of greater diameter than the holes 6.

The numeral 7 designates rivets for connecting said bars and tubes with the sockets. These rivets are cylindrical in form and have one end reduced, forming a smaller cylindrical portion 8.

In practice the metal tubes are inserted in the hollow wooden bars, and the latter are then driven into the sockets of the coupling. The rivets are then passed through opposite holes of different diameters on the sockets and also through coinciding holes in the bars and the holes in the tubes, and the ends are then upset or clenched, so as to hold them securely in place. I prefer to use a number of these rivets passing through the socket, bar, and tube at different angles, so as to insure a strong and rigid joint. The rivets are made large at one end, so as to securely fasten the walls of the tube 2, 3, and 4 and at the same time bind the outer walls of the socket 2.

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

In a bicycle-frame, the combination with the coupling provided with a socket having a number of holes of varying diameters, at different angles, of the hollow wooden bar, the metal tube inserted therein formed with holes coinciding with the holes in the socket, and the rivets having ends of different diameters, the small ends serving to bind the tube and socket together and the large ends acting as a binder for the two outer walls of the socket, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ANSEL F. TEMPLE.

Witnesses:

WM. CARPENTER,
DELIA PICHETTE.