

(No Model.)

T. POOLE & E. S. RISDON.
BICYCLE HOLDER.

No. 582,086.

Patented May 4, 1897.

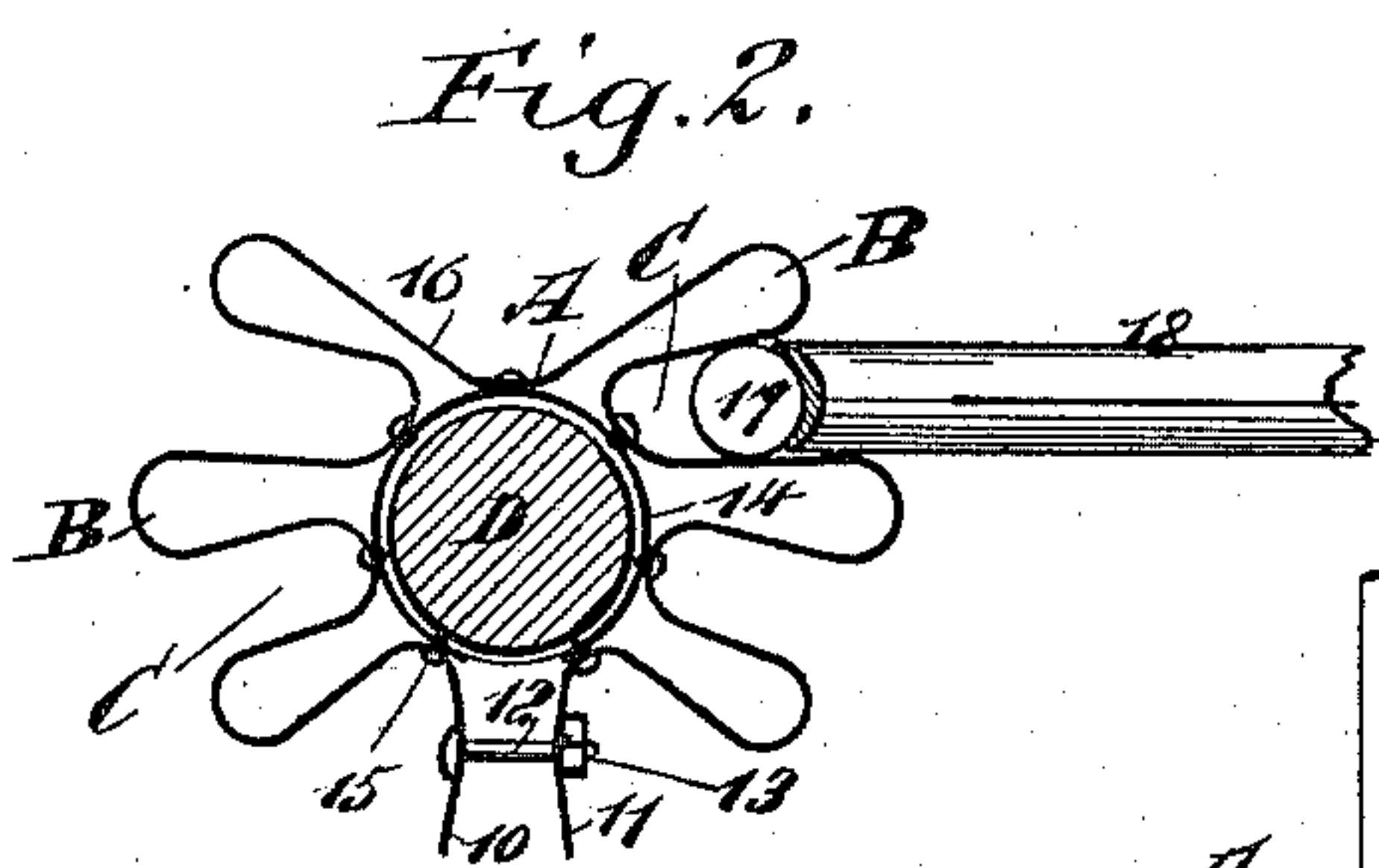
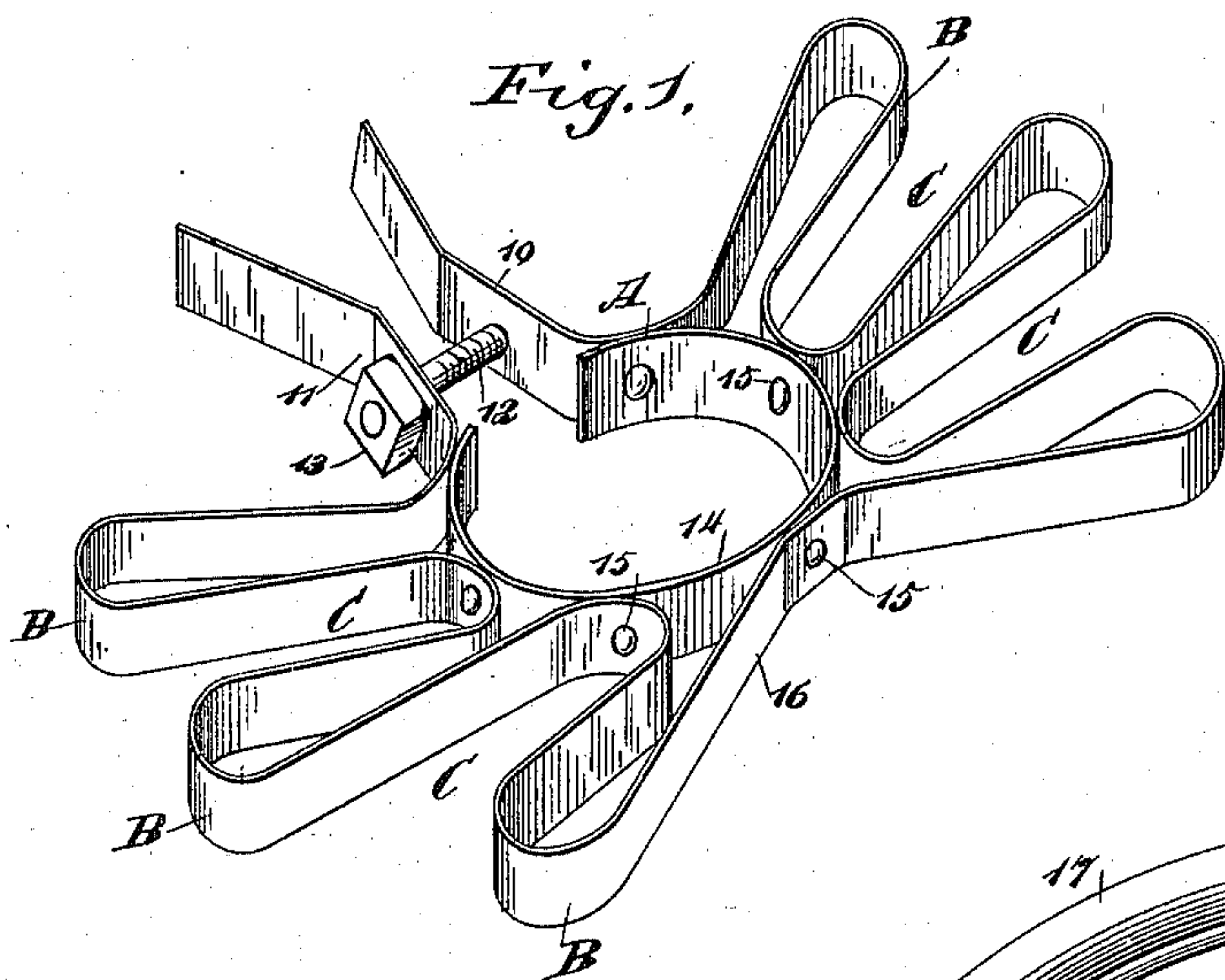
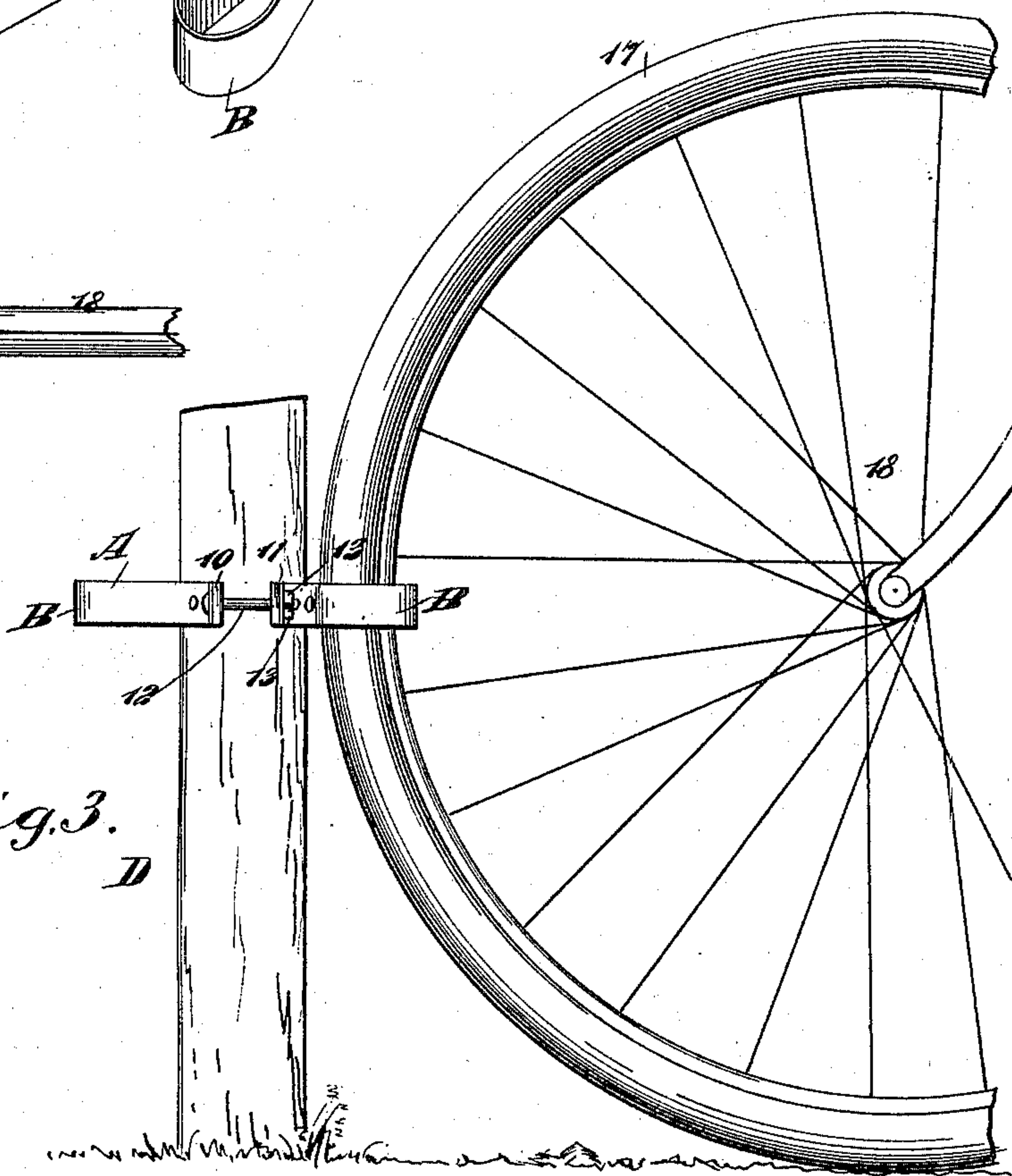


Fig. 3.
D



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THOMAS POOLE AND EDGAR SMITH RISDON, OF TRENTON, NEW JERSEY.

BICYCLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 582,086, dated May 4, 1897.

Application filed September 26, 1896. Serial No. 607,032. (No model.)

To all whom it may concern:

Be it known that we, THOMAS POOLE and EDGAR SMITH RISDON, of Trenton, in the county of Mercer and State of New Jersey, have invented a new and Improved Bicycle-Holder, of which the following is a full, clear, and exact description.

The object of our invention is to provide a bicycle-holder of simple and economic construction and which may be expeditiously and conveniently attached to or removed from a pillar, post, or standard, no matter where situated, on a lawn or the sidewalk, or, if desired, on the street.

A further object of the invention is to so construct the holder that it is portable and in such a way that it can be reversed, so as to maintain the bicycle or bicycles at different angles to the support for the holder.

Another object of the invention is to construct the holder in such manner that it will grip the tire of a hind wheel of a machine, holding the said machine firmly in an upright position without engaging with the rim or the spokes, thereby avoiding any possibility of injury to the working parts of the machine or to its appearance.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improved holder. Fig. 2 is a plan view thereof on a smaller scale, illustrating the holder as attached to a support, the support being in horizontal section, said Fig. 2 also illustrating a portion of a wheel which is gripped by the holder; and Fig. 3 is a side elevation of the device and its support and a wheel held thereby.

In carrying out the invention the body of the device is made preferably from a strip A of flat wire or hoop or band metal of suitable width, and the strip A is bent upon itself in such manner that said strip will be crimped, forming alternate loop-arms B and substantially U-shaped spaces C, and the spaces C are preferably at angles to one another, so that

when a wheel is introduced into a space it will stand tangentially to a circle formed by the crimping arrangement of the band, since preferably the band after being crimped or while being crimped is given somewhat of a circular center, although its center may be more or less polygonal, if desired.

The ends of the band are carried outward to form opposing jaws 10 and 11, and these jaws may be drawn together through the medium of a bolt 12 and a suitable nut 13. A tie-band 14 is employed in connection with the body of the holder, the tie-band being at the central portion of the said holder, and the body-band is attached to the tie-band by rivets 15 or their equivalents, the rivets being passed through the inner walls of the spaces C, as is shown in Figs. 1 and 2.

Any desired number of arms and consequently any desired number of spaces C may be embraced in the holder. In the form of holder illustrated, however, the arms and spaces are at the sides of the tie-band, the front of the body-band being without an arm and is given a horizontally-arched form. This arched portion of the body-band is designated as 16 and is opposite the jaws 10 and 11, which constitute the clamp for the device.

It is evident that the device by being reversed will cause the wheels to assume a different inclination with reference to the tie-band, so that the device may be applied to a post or to a standard D, located at one or the other side of the street, the arched portion 16 of the device facing the street, since it is not desirable that a wheel shall stand at an angle to the curbstone or at an angle to the walk, extending into the street.

The spaces C, which may be termed "pockets," are so formed that they will receive and grip the tire 17 of the wheel 18, as shown in Figs. 2 and 3, whereby the holder will not injure the appearance of the wheel in any manner, while holding the wheel firmly in an upright position, and in order that the device may be made as small as possible and yet support a number of bicycles the hind wheels of the bicycles are introduced into the pockets of the holder, so that the machines will be separated at the front and the handle-bars of adjacent machines will not interfere.

The tie-band 14 is open at that portion which faces the space between the jaws 10 and 11, so that the device may be readily accommodated to the post, standard, or pillar D.

5 The device is placed upon the post or standard D, above referred to, and is secured thereon by tightening up or drawing together the clamping-jaws 10 and 11.

10 Having thus described our invention, we claim as new and desire to secure by Letters Patent—

15 1. A bicycle-holder, consisting of a metal strip bent upon itself to form a hollow center, a series of arms grouped around the center, and pockets intervening the said arms, a tie-band attached to the inner surface of the said strip, and means for securing the device on a post or standard, substantially as shown and described.

20 2. A bicycle-holder consisting of a strip of spring metal crimped to form a hollow center, a series of loop-arms, and pockets intervening the arms, the ends of the strip being carried outward, forming jaws, and a locking device for the said jaws, as and for the purpose
25 set forth.

3. A bicycle-holder consisting of a strip of spring metal crimped to form a series of loop-arms grouped around a hollow center, and pockets intervening the said arms, the ends 30 of the strip being carried outward, forming jaws, a locking device for the said jaws, and a tie-band attached to the inner crimped surfaces of the said strip, the tie-band being open where the strip is formed into jaws, as and 35 for the purpose set forth.

4. A bicycle-holder consisting of a metal strip bent upon itself to form a series of arms and pockets intervening the arms, the said arms and pockets being arranged at the sides 40 of the holder, the front portion of said holder being given a horizontally-arched form, and the ends of the metal strip being carried outward at a point opposite the said front portion and forming jaws, substantially as shown 45 and described.

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Witnesses:

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