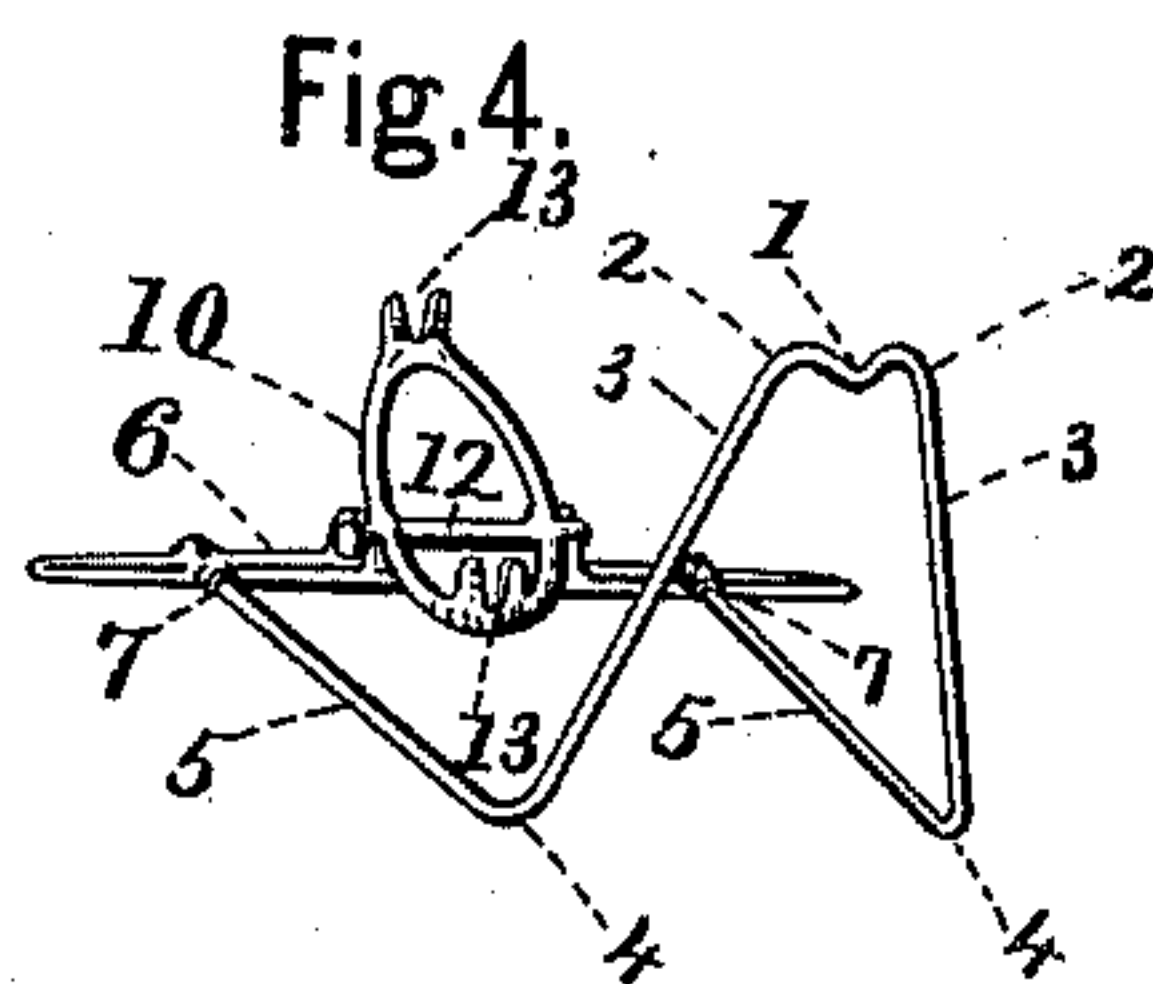
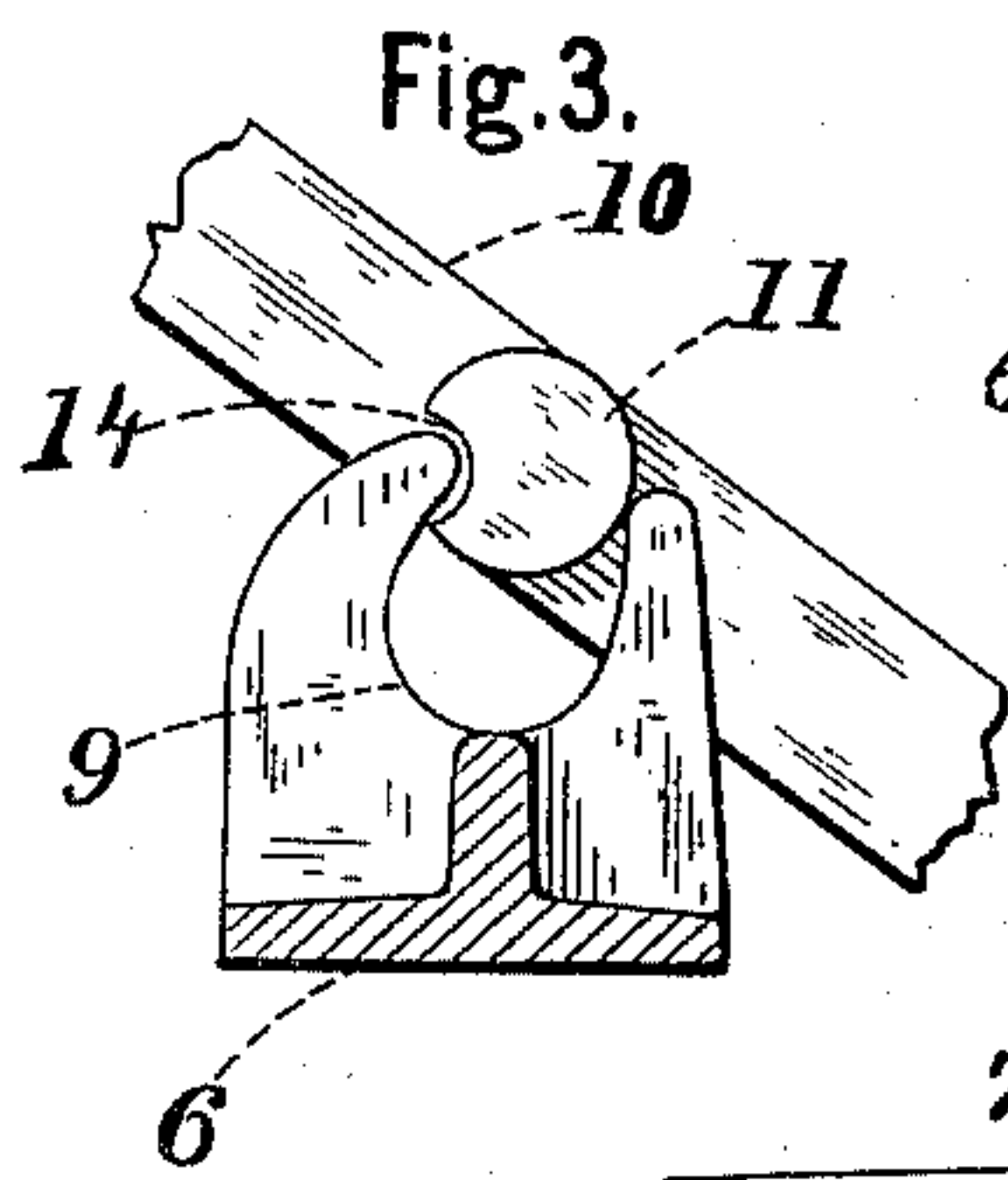
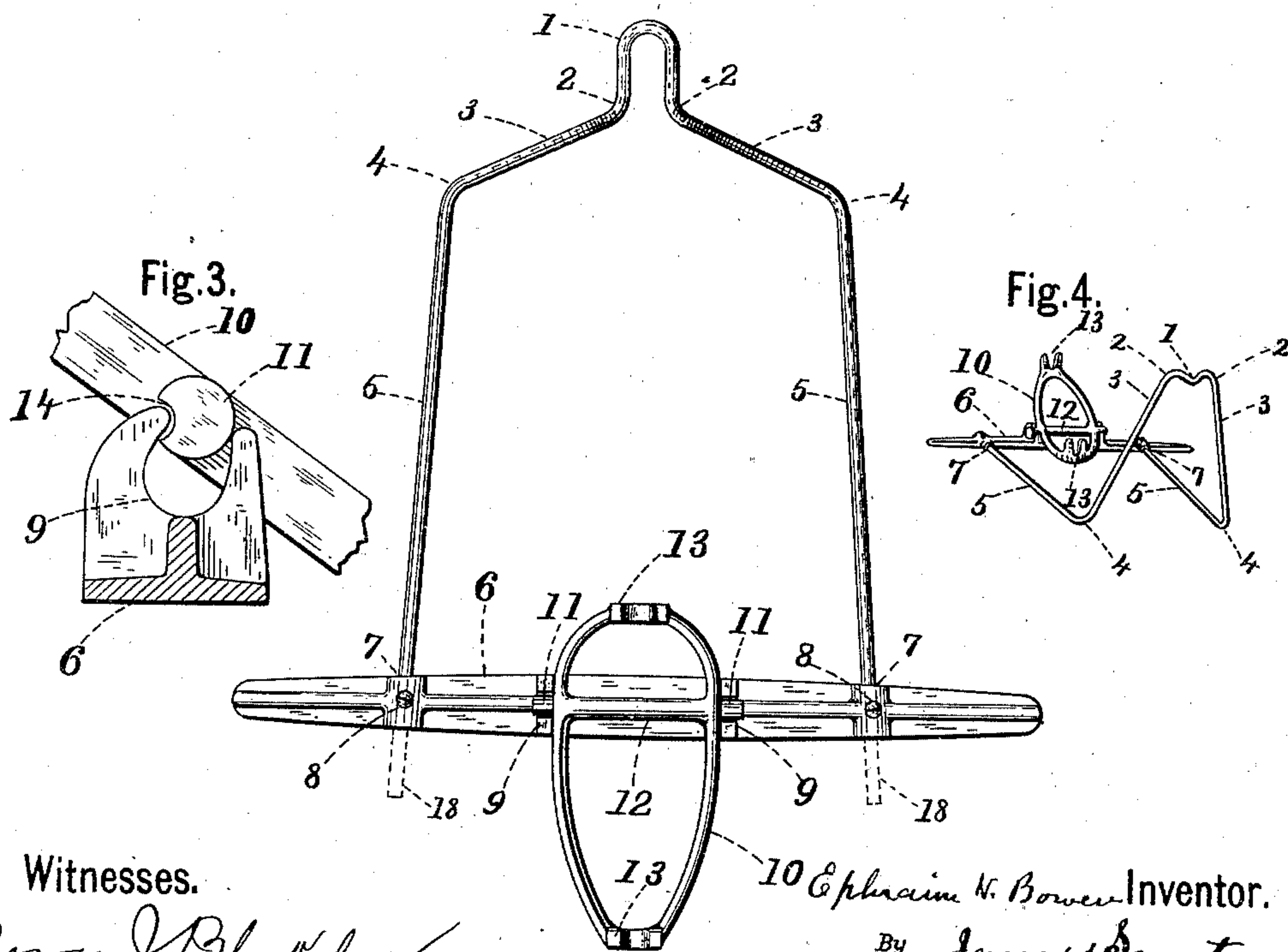
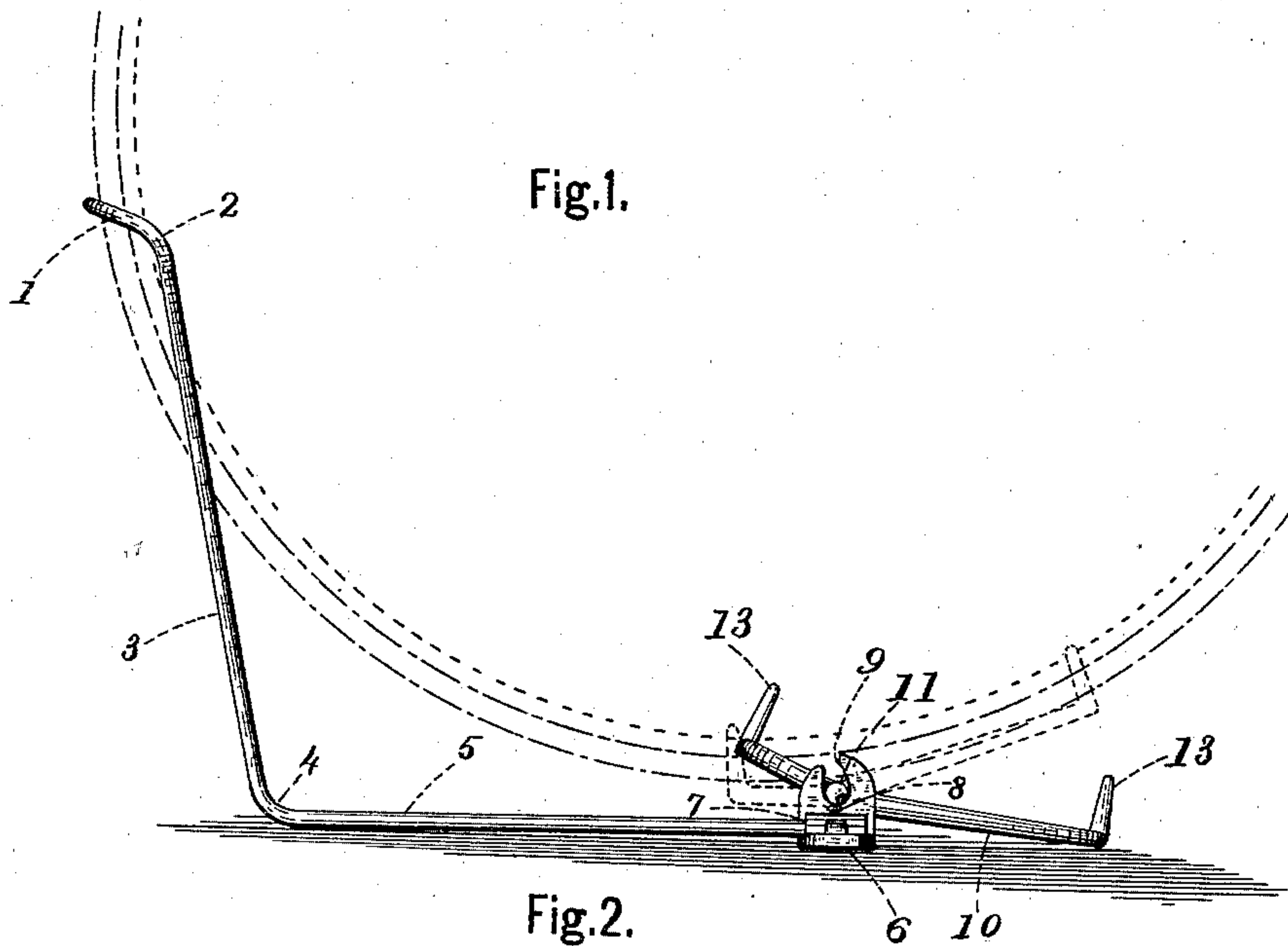


(No Model.)

E. N. BOWEN.
BICYCLE STAND.

No. 445,710.

Patented Feb. 3, 1891.



Witnesses.

Cora J. Blakeley
Harrist Johnson

Ephraim W. Bowen Inventor.

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Attorney.

UNITED STATES PATENT OFFICE.

EPHRAIM N. BOWEN, OF BUFFALO, NEW YORK.

BICYCLE-STAND.

SPECIFICATION forming part of Letters Patent No. 445,710, dated February 3, 1891.

Application filed April 12, 1890. Serial No. 347,676. (No model.)

To all whom it may concern:

Be it known that I, EPHRAIM N. BOWEN, a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Bicycle-Stands, of which the following is a specification.

The object of my invention is to produce a simple and efficient device for holding any sort of bicycle in an upright position, and it will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a side elevation of the bicycle-holding stand complete, showing in dotted lines a portion of a wheel held in position thereby. Fig. 2 is a plan or top view. Fig. 3 is a sectional elevation of a portion for illustrating the manner of putting the forked rocker in place or releasing it therefrom, and Fig. 4 is a perspective view of the bicycle-holding stand complete.

The front stay-frame is made of steel or iron rod, and is provided with a U-shaped bend 1 and then two bends 2, so that the side pieces 3 extend downward to the points 4, where each side piece is bent so as to form the horizontal or base pieces 5, which extend back until their ends pass into holes in the transverse floor-piece 6 at or about the points 7 and are secured by set-screws 8. The floor-piece 6 is preferably constructed of cast-iron, and is provided with two bearings 9, into which is mounted what may be termed a "holding-rocker." This rocker 10 is provided with two pivots 11, one at each side, which pass into said bearings 9, and also with a strengthening cross-bar 12, and at each end is a forked piece 13, the forked pieces being located so as to be substantially in a line with each other and with the U-shaped portion 2 of the front stay-piece, so that the rim of the wheel passes into all of these parts, as shown in Fig. 1, and is thereby held in position by them. The rocker

10 is put in place in the bearings of the floor-piece in such a manner that it cannot be lifted out of place while the stand remains on the floor by means of a groove 14 in one or both of the pivots 11. (See Fig. 3.) This groove 14 is so located that in order to put the rocker in place or to remove it the rocker has to be turned down or back, as shown in said Fig. 3, the floor-piece 6 being lifted up high enough to permit it to be turned down sufficiently for that purpose. This construction prevents the rocker from being accidentally removed from its place at any time.

It will be noticed that the front stay-piece is made adjustable by means of the screws 8, which can be loosened, and the base portions 5 may be adjusted, as shown by the dotted lines 18, Fig. 2, so as to make them shorter or longer, and thereby adjust the device to hold different sizes of wheels.

I claim as my invention—

1. A bicycle-stand composed of a transverse floor-piece 6, secured to a stay or holding frame composed of a single piece of rod forming the two base-pieces 5, the upwardly-inclined side pieces 3, and the forwardly-projecting U-shaped portion 1, in combination with a rocker 10, having forked portions 13 located in a line with the U-shaped portion 1 of the stay or holding frame, substantially as and for the purposes described.

2. In a bicycle-stand, a rocker having journals 11, adapted to fit into journal-bearings in the floor-piece so as to rock back and forth, and having on one pivot a groove or recess 14, so that the pivot may pass down in between the upper ends of the journal-bearing while the floor-piece is raised from the floor and be securely locked in position while the stand rests in its proper position on the floor.

EPHRAIM N. BOWEN.

Witnesses:

JAMES SANGSTER,
CORA J. BLAKELEY.