

No. 726,804.

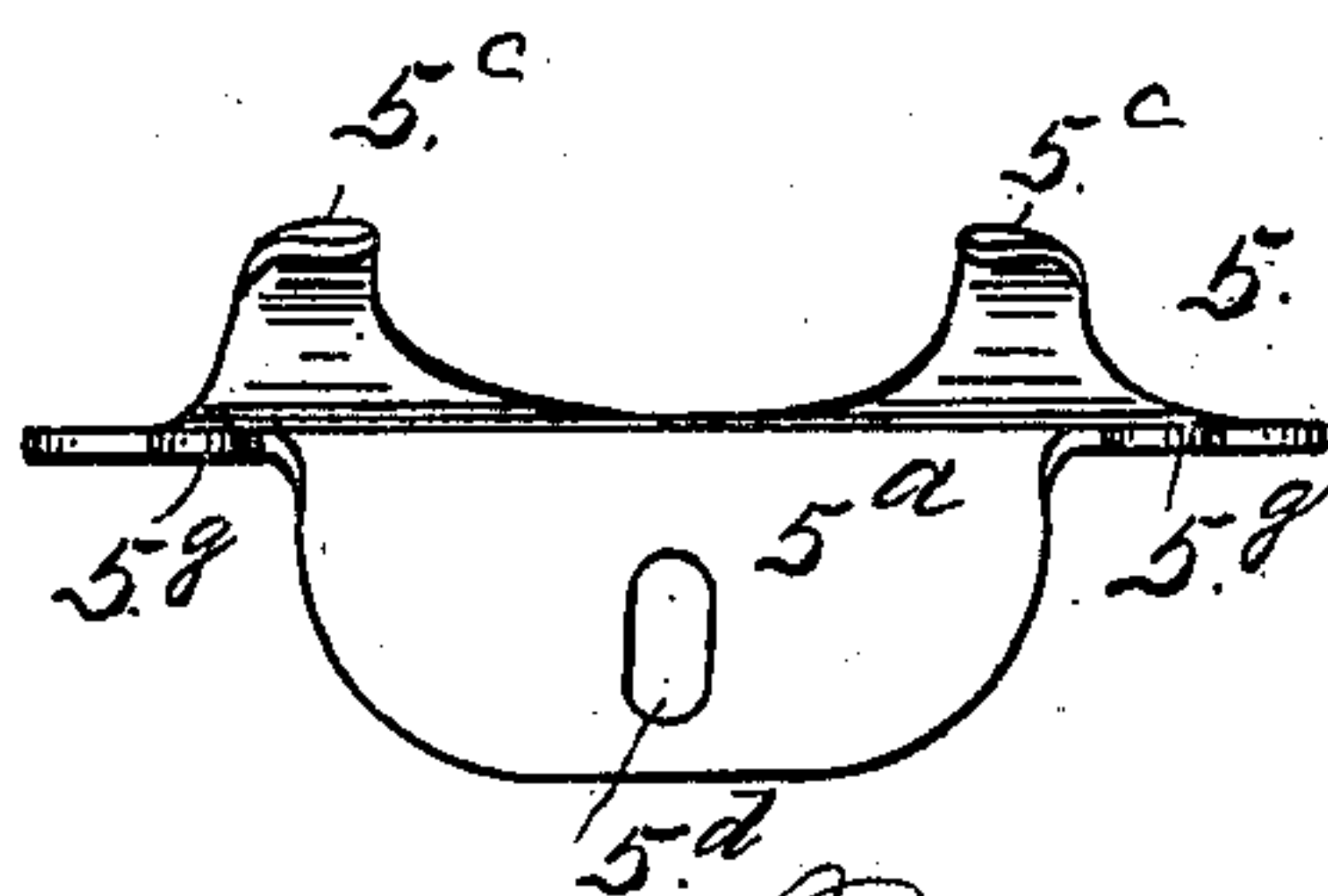
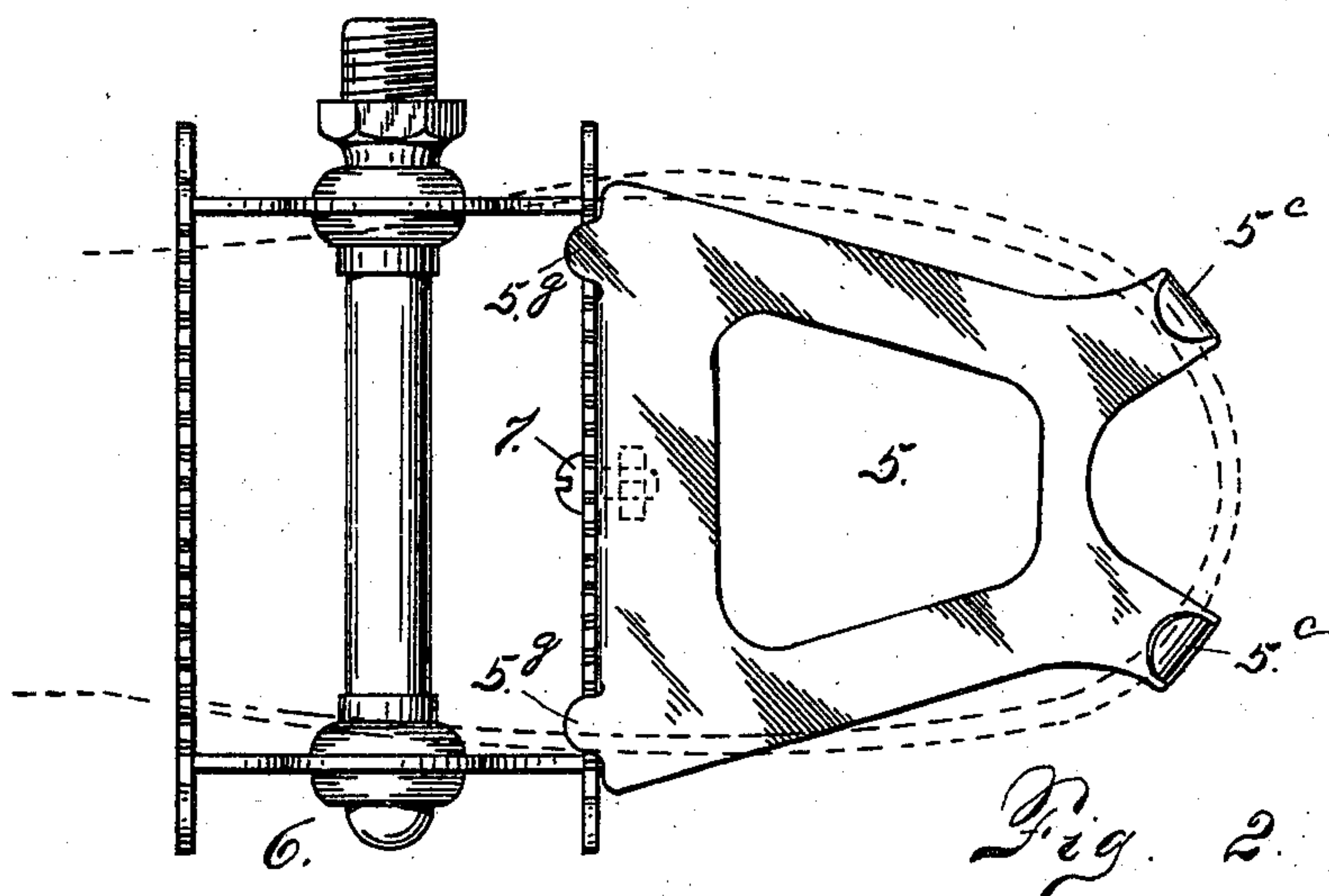
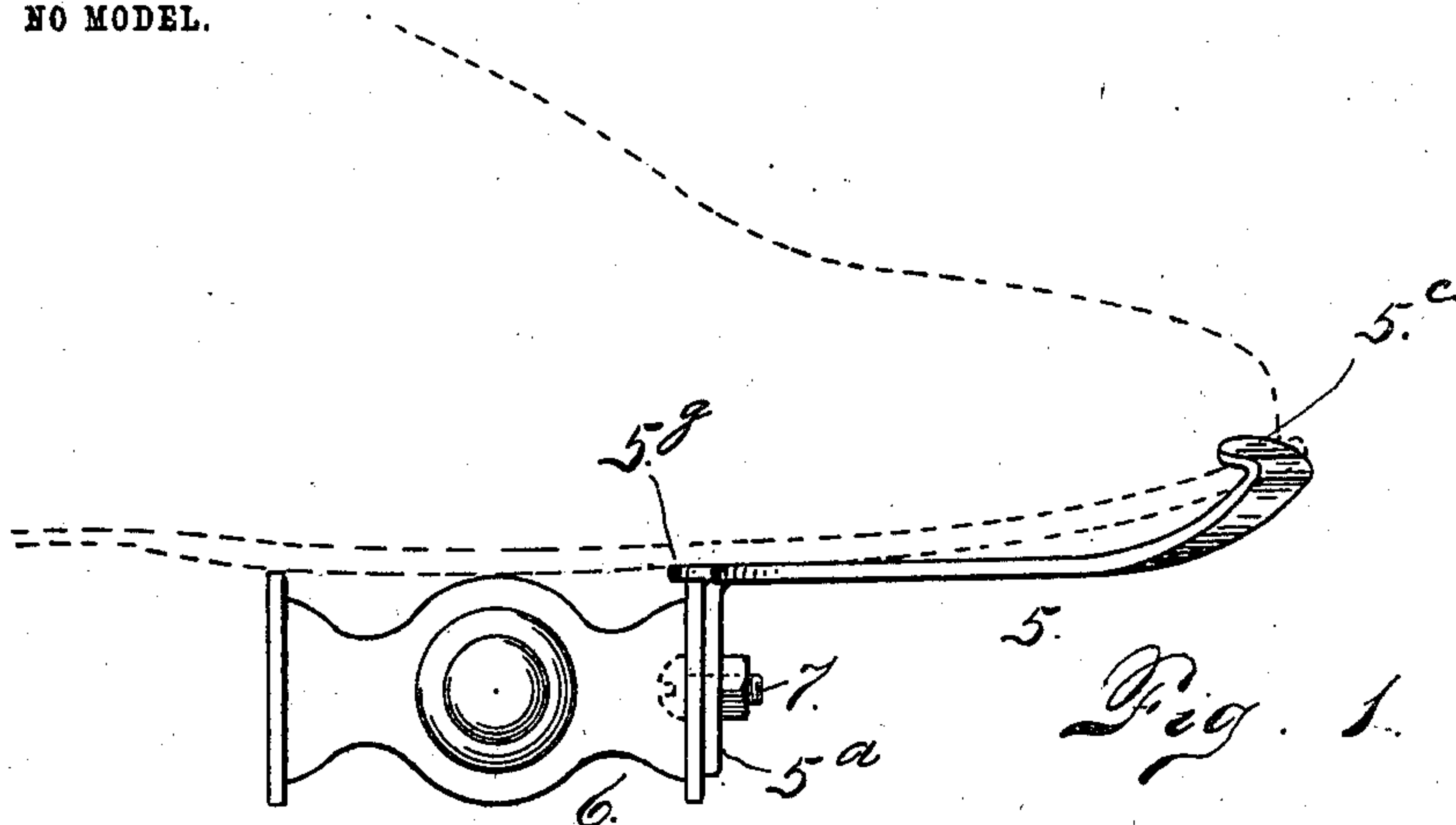
PATENTED APR. 28, 1903.

H. STEVENS.

TOE CLIP.

APPLICATION FILED AUG. 30, 1902.

NO MODEL.



WITNESSES:  
*Otto E. Haddick.*  
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INVENTOR.  
*Henry Stevens.*  
BY *[Signature]* ATTORNEY.

# UNITED STATES PATENT OFFICE.

HENRY STEVENS, OF DENVER, COLORADO.

## TOE-CLIP.

SPECIFICATION forming part of Letters Patent No. 726,804, dated April 28, 1903.

Application filed August 30, 1902. Serial No. 121,668. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY STEVENS, a subject of the King of Great Britain, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Toe-Clips; and I do 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in toe-clips for bicycle-pedals.

My object is to provide a clip which engages the sole of the shoe only as distinguished from those clips which engage the upper of the shoe above the sole and hurt the foot of the rider.

My further object is to provide a device of this class which shall be simple in construction, economical in cost, reliable, durable, and efficient in use; and to these ends the invention consists of the features hereinafter described and claimed, all of which will be fully understood by reference to the accompanying drawings, in which is illustrated an embodiment thereof.

In the drawings, Figure 1 illustrates my improved device in use, the shoe of the user being indicated by dotted lines and the pedal being shown in end elevation. Fig. 2 is a top or plan view of the same. Fig. 3 is a rear end view of the toe-clip, shown in detail.

The same reference characters indicate the same parts in all the views.

Let the numeral 5 designate the toe-clip, which consists of a plate of suitable design having its rear extremity bent downwardly, as shown at 5<sup>a</sup>, to fasten to the pedal 6, while its forward extremity is provided with two upwardly-turned hook-shaped parts 5<sup>c</sup>. The parts 5<sup>c</sup> are bent upwardly gradually as they leave the plate, while their upper extremities are bent inwardly abruptly to engage the top of the sole, whereby the foot is held securely in place on the pedal against forward or upward movement. The depending part 5<sup>a</sup> is provided with an opening 5<sup>d</sup>, through which a bolt 7 is passed for securing the clip to the pedal. The rear extremity of the clip is pro-

vided with two short lugs 5<sup>e</sup>, located on opposite sides of the fastening-bolt and engaging the pedal from the top, whereby the clip is prevented from turning on the bolt.

When the device is in use, the toe of the rider is moved forwardly until stopped by the hooks 5<sup>c</sup>, one of which is adapted to engage the sole of the shoe on each side of the center of the toe, thus preventing lateral as well as forward and upward movement of the shoe at the toe.

Having thus described my invention, what I claim is—

1. A toe-clip comprising a plate whose forward portion is provided with hooks formed integral therewith and located on opposite sides of the center, said hooks being bent gradually upwardly from the plate and terminating in abrupt inward bends adapted to engage the shoe between the sole and the upper and arranged to prevent the toe of the shoe from moving forwardly, upwardly or laterally as long as the toe is held against the hooks, but having no clamping tendency, whereby the foot of the rider may be released from the pedal at will by a rearward movement.

2. A toe-clip comprising a plate having a depending rear part adapted to be attached to the pedal, rearwardly-projecting parts adapted to engage the pedal-frame on opposite sides of the center to keep the clip from turning, the forward portion of the clip being provided with hooks formed integral therewith, and located on opposite sides of the center, said hooks being bent gradually upwardly from the plate and terminating in abrupt inward bends adapted to engage the shoe between the sole and the upper and arranged to prevent the toe of the shoe from moving forwardly, upwardly or laterally as long as the toe is held against the hooks, but having no clamping tendency, whereby the foot of the rider may be released from the pedal at will by a rearward movement.

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

HENRY STEVENS.

Witnesses:

DENA NELSON,  
A. J. O'BRIEN.