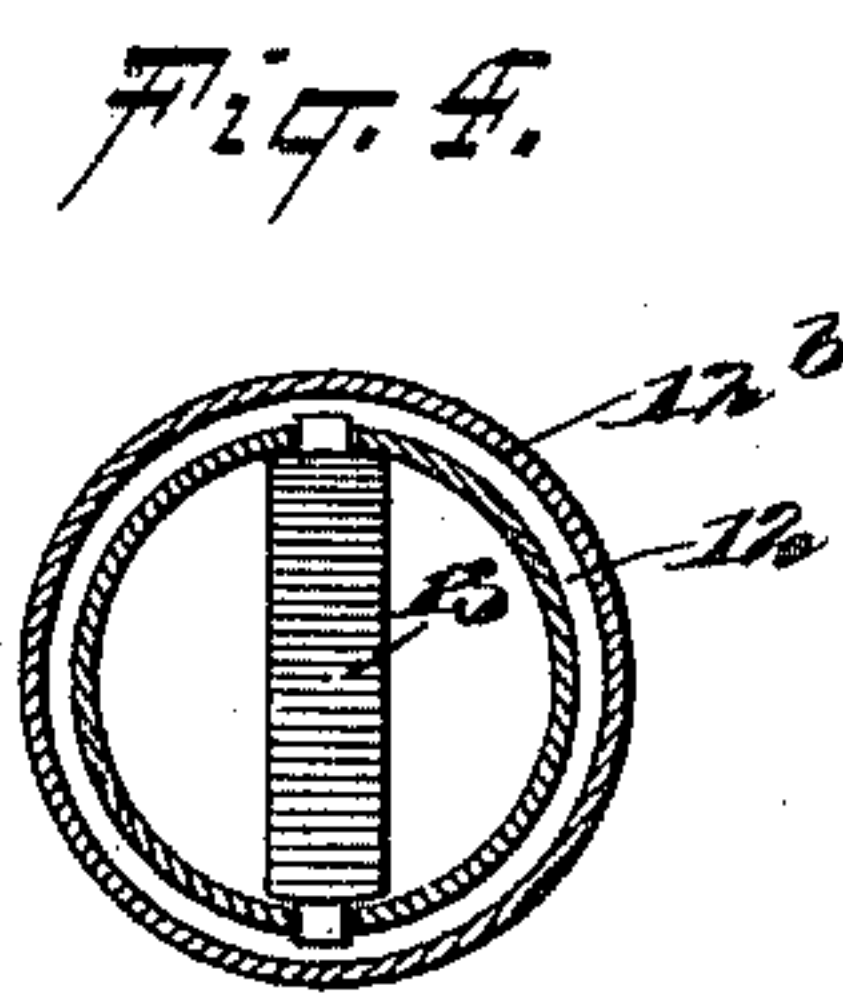
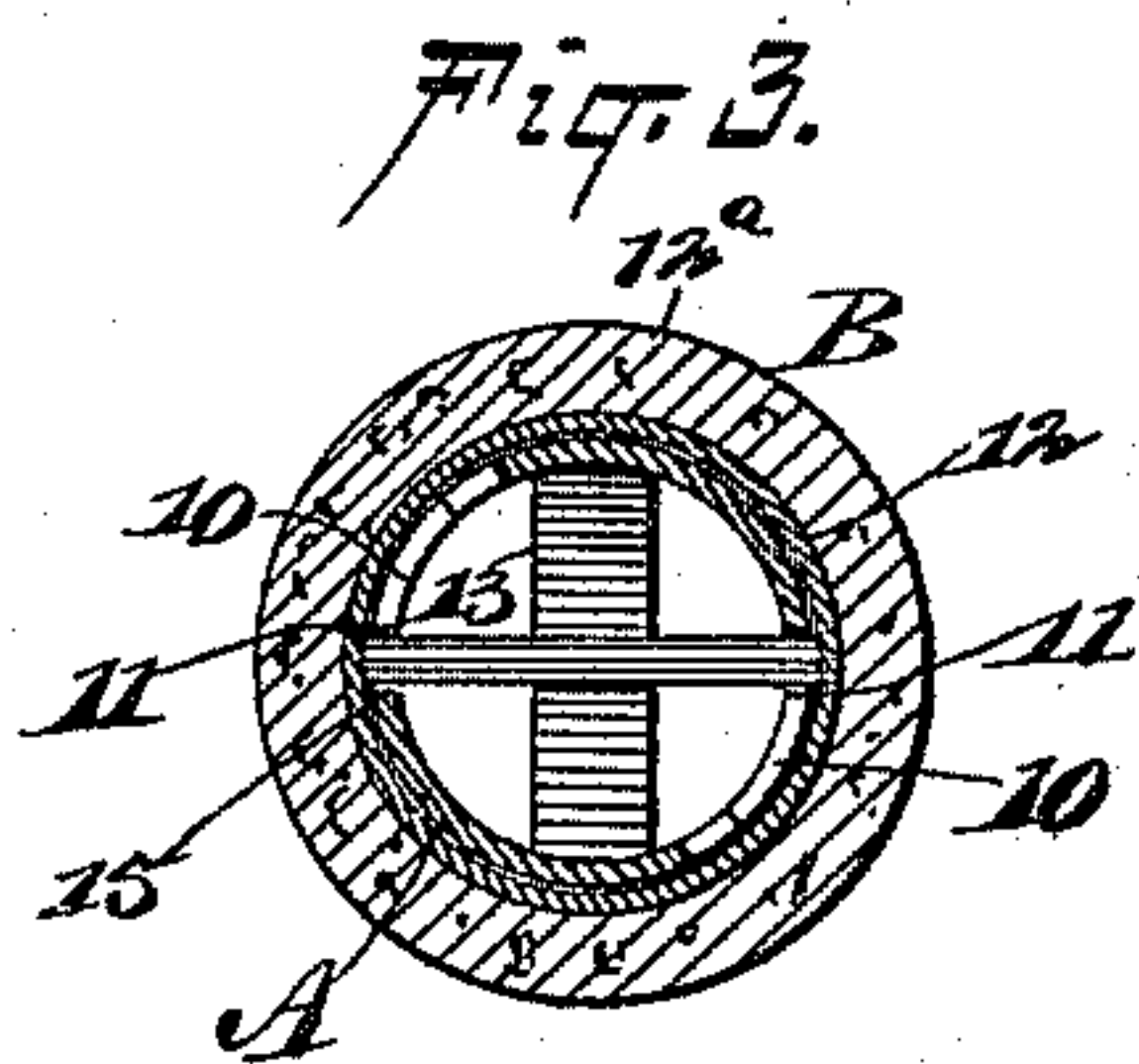
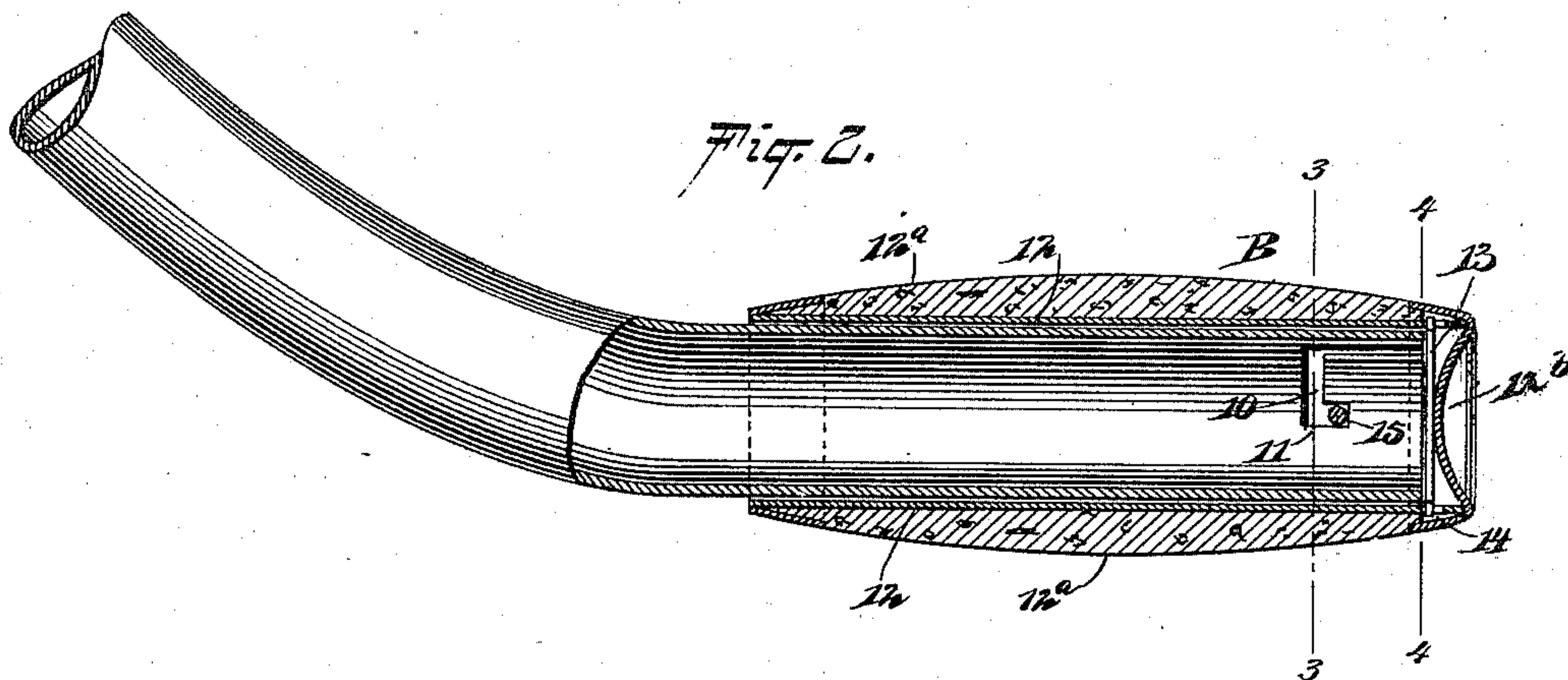
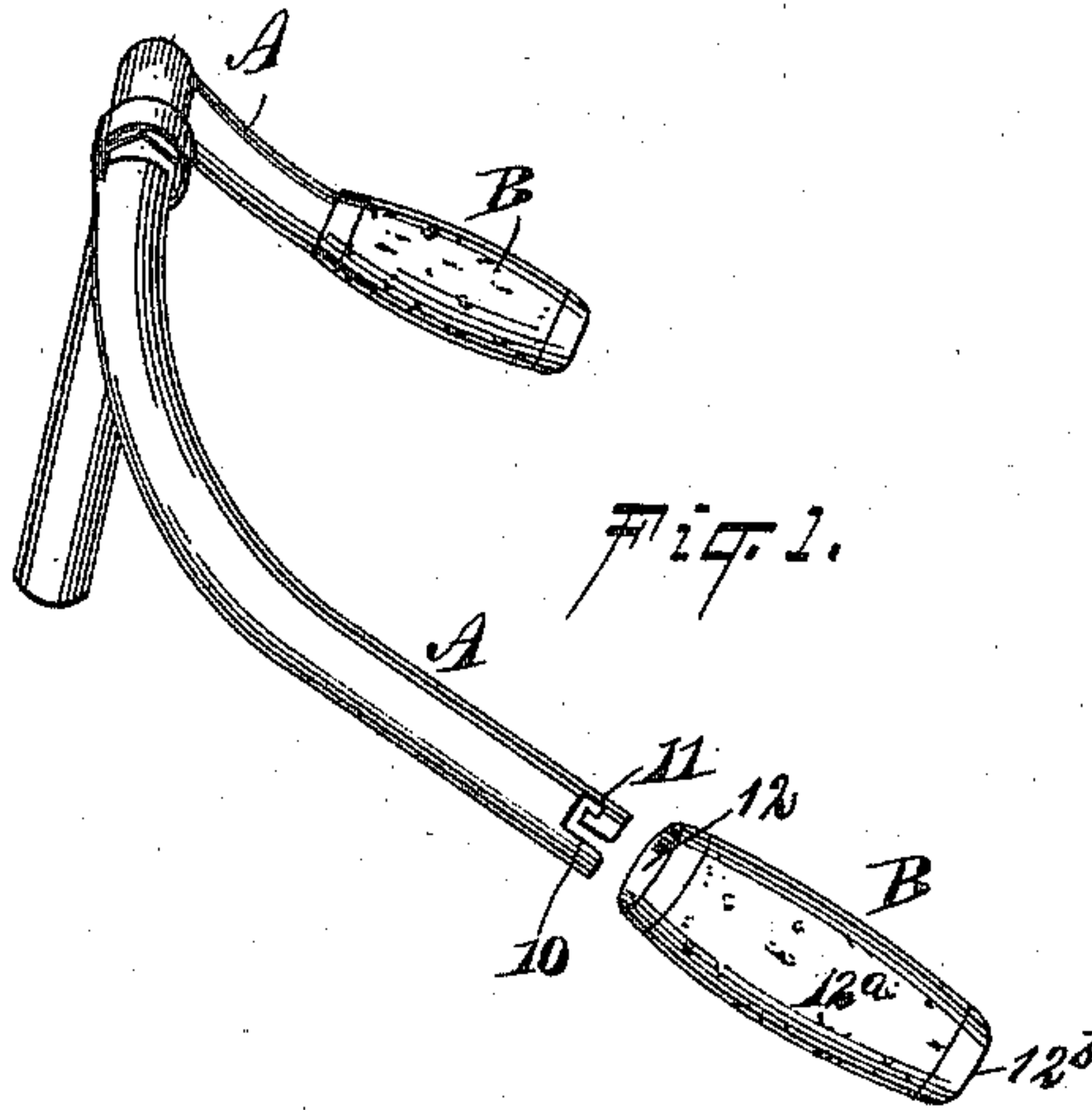


(No Model.)

P. C. PETERSON.  
BICYCLE HANDLE.

No. 582,084.

Patented May 4, 1897.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

PETER CHRISTIAN PETERSON, OF ALEXANDER VALLEY, CALIFORNIA.

## BICYCLE-HANDLE.

SPECIFICATION forming part of Letters Patent No. 582,084, dated May 4, 1897.

Application filed June 22, 1896. Serial No. 596,439. (No model.)

*To all whom it may concern:*

Be it known that I, PETER CHRISTIAN PETERSON, of Alexander Valley, in the county of Sonoma and State of California, have invented a new and Improved Bicycle-Handle, of which the following is a full, clear, and exact description.

The object of my invention is to so construct a bicycle-handle that in the event that it should ever become necessary to remove the handle from the handle-bar such removal may be accomplished in an exceedingly simple, convenient, and expeditious manner and whereby the handle may be placed upon the handle-bar as readily as removed, and when in position on the handle-bar the handle will be automatically locked to the bar in such manner as to render the two parts virtually integral.

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 handle-bar of a bicycle, illustrating the handle secured upon one end and the handle removed from the opposite end. Fig. 2 is an enlarged longitudinal section through the end portion of the handle-bar and the handle locked on the bar. Fig. 3 is a transverse section taken substantially on the line 3 3 of Fig. 2, and Fig. 4 is a like section taken practically on the line 4 4 of Fig. 2.

In carrying out the invention the handle-bar A may be made of any suitable or approved shape or construction, and at each end of the handle-bar, which is open, diametrically opposing angular or bayonet slots 10 are produced, the diametrical member of each slot having a pocket 11 formed at its inner terminal, extending in direction of the outer end of the bar, it being understood that the diametrical members of opposing slots extend in opposite directions, while the longitudinal members of the slots are in registry.

The handle B consists of a metallic sleeve 12 of such diameter as to neatly slip over the end of a handle-bar, and the sleeve is

provided with an outer covering 12<sup>a</sup>, of cork or other material, which is adapted to be grasped by the hand of the rider. The inner end of the handle is provided, preferably, with a ferrule, and at the outer end of the handle a cap 12<sup>b</sup> is firmly secured, forming a ferrule for the outer end of the said handle, and the end portion of the cap 12<sup>b</sup> is dished, having its outer face concaved and its inner face convexed. The sleeve 12 of the handle extends beyond the outer end of the covering 12<sup>a</sup> and, preferably, to an engagement with the inner face of the cap 12<sup>b</sup> between its marginal flange and its dished portion, as shown in Fig. 2.

A spring 13 is made to extend from one side of the handle-sleeve 12 to the other, engaging at its center with the convexed inner face of the handle-cap 12<sup>b</sup>. This spring is preferably straight, and its ends are reduced and extend outward through longitudinal slots 14, made in the handle-sleeve, as shown in Figs. 2 and 4. A rod 15 extends from one side of the handle-sleeve to the other at a point near the vertical center, crossing the spring 13, and the rod 15 is adapted to enter the slots 10 in the handle-bar for the purpose of locking the handle thereto.

In the operation of applying the handle to the handle-bar the rod 15 of the handle is introduced into the longitudinal portions of the slot 10 and is pushed inward until the diametrical section is reached, and at this time it will have been necessary to press the handle in to such an extent that the handle-bar will have engaged with the free ends of the spring 13 and flexed the same outward, and when the rod 15 is in the diametrical portion of the slots 10 the handle is turned until the rod 15 is opposite the pockets 11 of the aforesaid slots 10, whereupon the spring 13 will straighten itself to draw the rod into the said pockets, as shown in Fig. 2, holding the handle firmly against turning.

It is evident that the handle may be as readily removed from the handle-bar as applied to the same.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination of a handle-bar having a partly-turned slot in its end, a hollow han-



dle fitting on the end of the handle-bar and having an inwardly-extending bearing-surface at its outer end, a straight spring carried within the handle and at the outer end thereof, the spring bearing at an intermediate point on the bearing-surface aforesaid, and a rod carried by and projecting into the handle proper and capable of entering the slot in the handle-bar, the spring having its ends bearing against the handle-bar to hold the rod in the slot, and being flexed around said bearing-surface as the rod is placed and displaced in the slot, substantially as described.

2. The combination of a handle-bar with a tubular end and a partly-retained slot, a hollow handle fitting on the handle-bar and hav-

ing oppositely-disposed interior slots at its outer end, a straight spring the ends of which respectively bear against the tubular end of the handle-bar and are respectively movable in the slots of the handle, a cap closing the outer end of the handle and dished inward to form a bearing-surface for an intermediate portion of the spring, and a rod carried by and projecting inward from the handle, the rod being capable of entering the slot of the handle-bar, substantially as described.

PETER CHRISTIAN PETERSON.

Witnesses:

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