

(No Model.)

W. E. HAIGHT.
NECK YOKE.

No. 603,562.

Patented May 3, 1898.

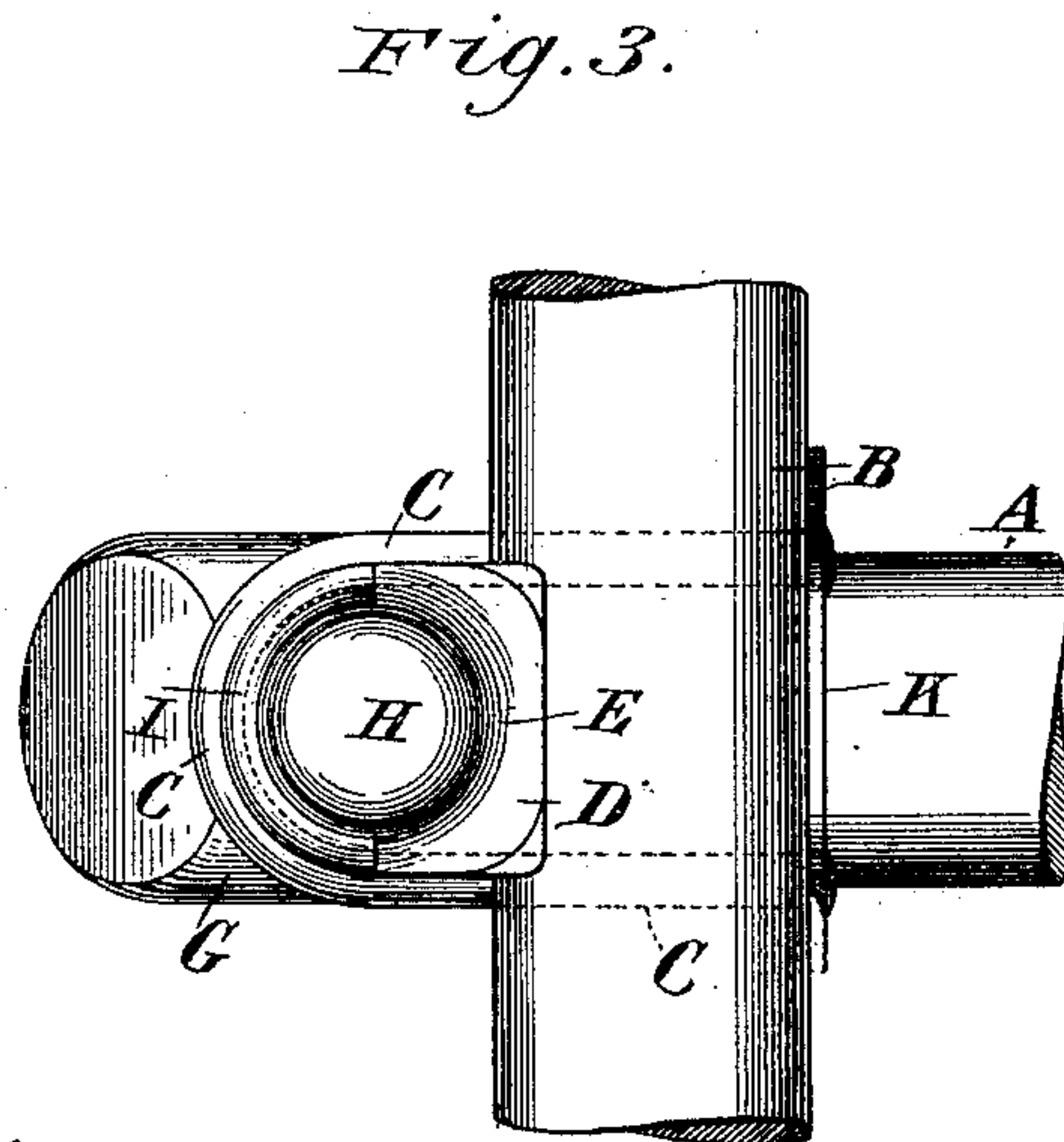
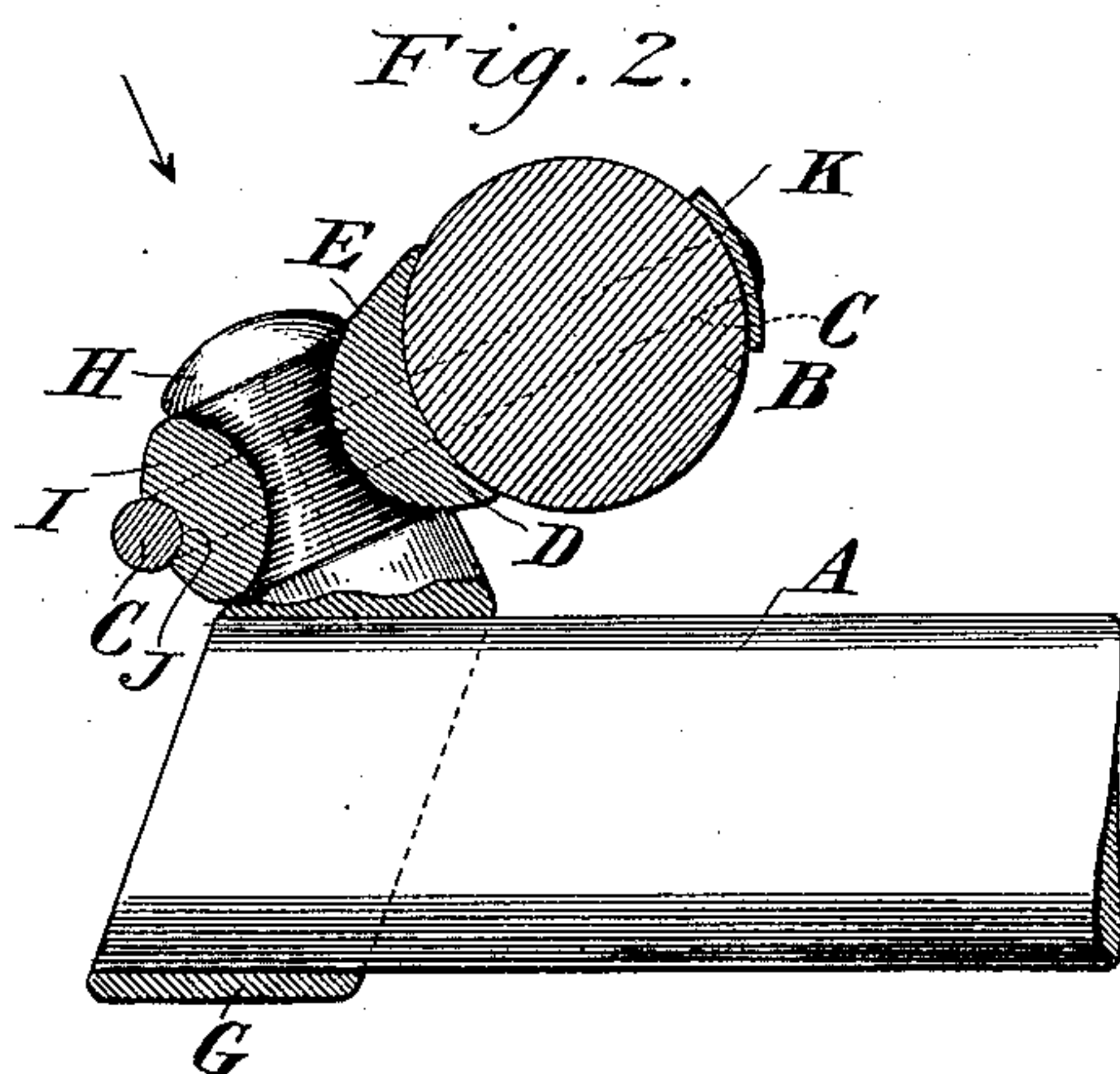
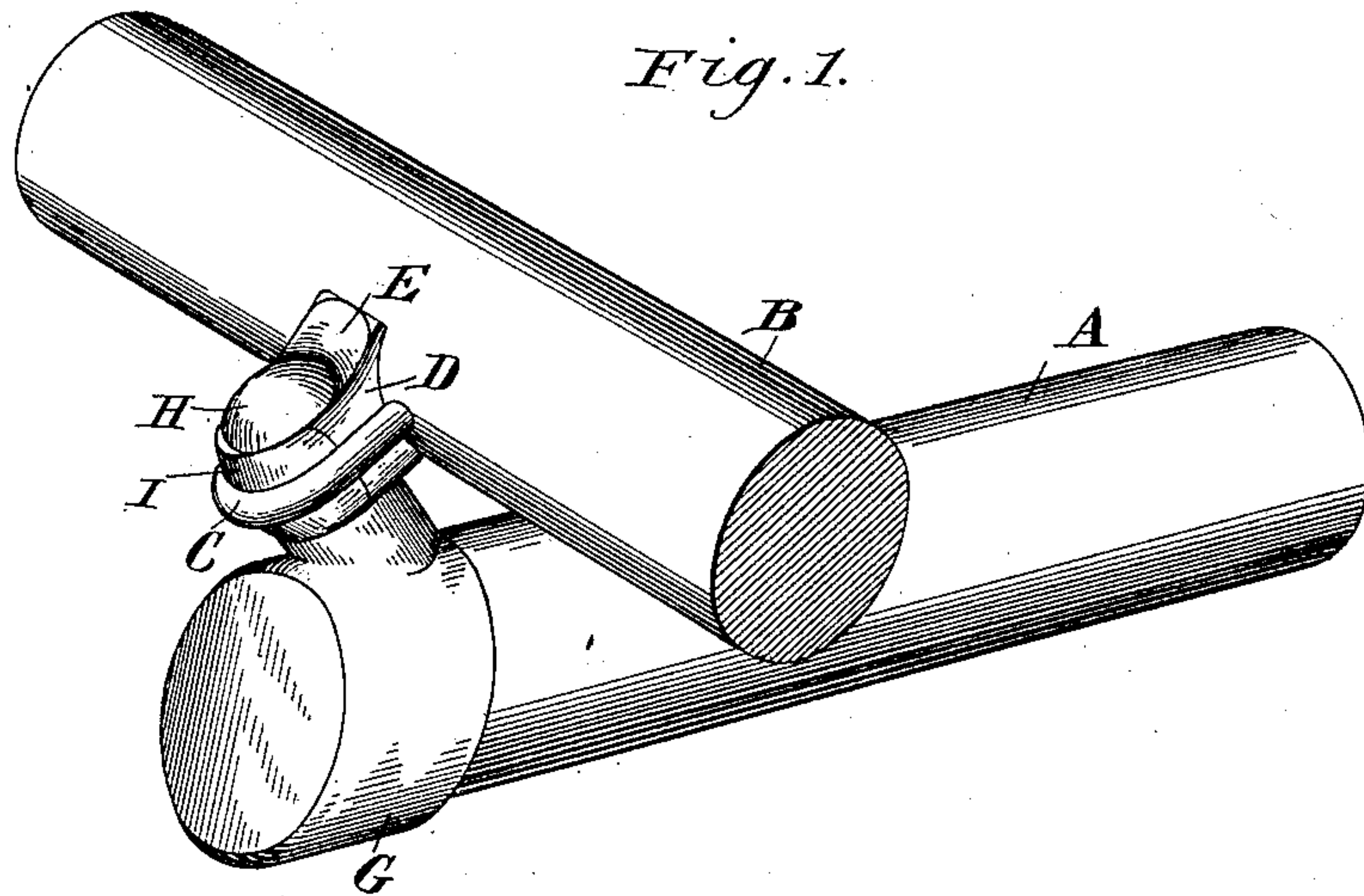
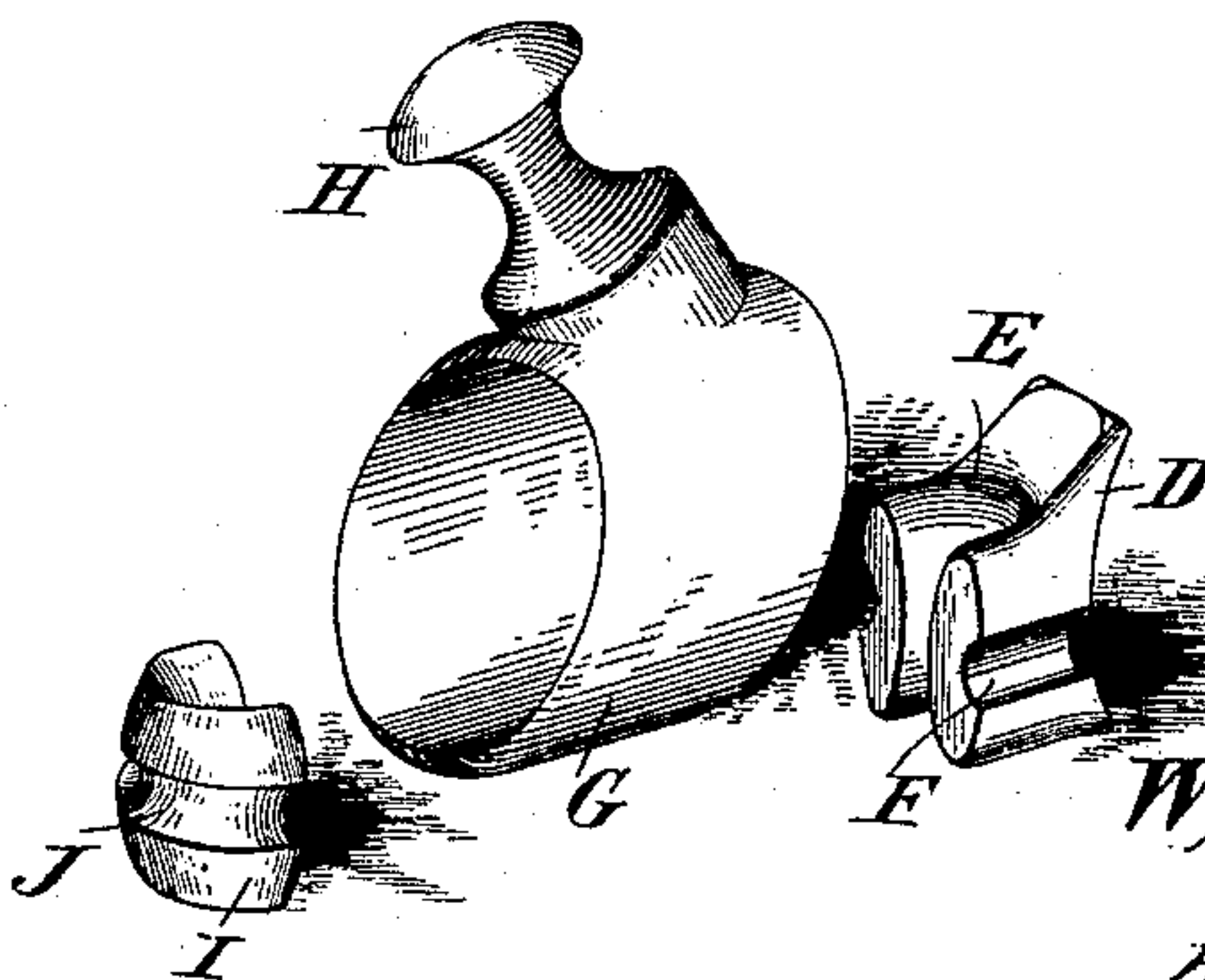


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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NECK-YOKE.

SPECIFICATION forming part of Letters Patent No. 603,562, dated May 3, 1898.

Application filed November 20, 1897. Serial No. 659,304. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. HAIGHT, residing at McMinnville, in the county of Yam Hill and State of Oregon, have invented a new and useful Neck-Yoke, of which the following is a specification.

This invention has relation to certain improvements in neck-yokes, and more particularly to an improved device whereby an easy movement of the yokes can be had.

The object of this invention is to provide a device of the character described which may be easily and freely movable upon its supporting member, which is carried by the tongue, thereby enabling it to be easily and readily turned, also simple and cheap in construction, composed of few parts, and efficient in operation.

With this and other objects in view my invention consists in certain novel features of construction and in combinations and arrangements of parts, as will be more fully hereinafter described, and particularly pointed out in the claims.

Referring to the accompanying drawings, illustrating my invention, Figure 1 is a perspective view showing my improved neck-yoke in operative position. Fig. 2 is a longitudinal sectional view. Fig. 3 is a top plan view of the neck-yoke, tongue, and the fastening means; and Fig. 4 is a general view illustrating the fastening device attached to the yoke and receiving the tongue separated.

The same letters of reference will indicate like parts throughout the different views.

In the drawings I have shown a tongue A, which may be of any desirable shape.

B indicates the neck-yoke, to which is secured the staple C.

D represents a bushing provided on its rear end with a curved face adapted to bear against the outer surface of the yoke B, said bushing being provided with the semicircular recessed portion E in its front end adapted to partly embrace the neck or reduced portion of the head H. On the side edges of the bushing D are provided grooves F for the reception of the rear ends of the staple C for retaining the said bushing in position.

I represents a semicircular bushing provided with an inner recess and adapted to embrace the remaining part of the neck or

reduced portion of the head H, and has provided on its outer surface an annular groove J, adapted to receive the front portion of the staple C.

G represents a ferrule adapted to be tightly fitted to the end of the tongue A and provided on its upper surface with a forwardly-inclined head H, formed integral with the said ferrule. The said head H is formed with a reduced neck portion, as shown in the drawings, and is adapted to be embraced by the two-part bushings and secured to the yoke by means of the staple, as above described.

It should be noticed that the two sections of plate, E and I, are brought firmly together against the reduced portion of the capstan-shaped head H, the staple C being passed through the grooves J F and the free ends thereof driven into the yoke B, as shown in dotted lines, Fig. 3, and allowed to project through the rear portion of the yoke and through the openings of a plate K, to which they are riveted or otherwise secured. Instead of riveting the said ends of the staple to the plate any suitable nut or the like can be employed for this purpose. By fastening the rear ends of the staple to the plate as described the two-part bushing embracing the head H will be firmly held together against wobbling or rattling.

From the foregoing description it will be seen that I provide a neck-yoke having certain fastening means or staples wherein the clamp is located, so that the headed end thereof will be freely movable between the faces of the recessed bushing secured to the yoke and the inner surfaces of the opposite bushing I, thereby permitting of easy movement of the yoke.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a neck-yoke, the combination with a ferrule adapted to be fitted to the end of the pole, a forwardly-extending head formed integral with said ferrule, a reduced neck for said head, a two-part bushing adapted to embrace the said neck, grooves formed in the outer surface of the said bushing and a staple adapted to embrace grooves in the bushing, and pass through the yoke, substantially as set forth.

2. In a neck-yoke, the combination with a ferrule adapted to be fitted on the end of the pole, an upwardly and forwardly projecting head formed integral with said ferrule having
5 a reduced neck, a two-part bushing adapted to embrace said neck, the rear section of said bushing provided with a curved face adapted to bear against the outer surface of the yoke, a semicircular groove provided on the outer
10 surface of the said bushing, a staple adapted

to fit in said groove and embrace the bushing and pass through the yoke, and a retaining-plate on the opposite side of the yoke to which the free ends of the staple are riveted, substantially as shown and described.

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Witnesses:

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