

No. 647,971.

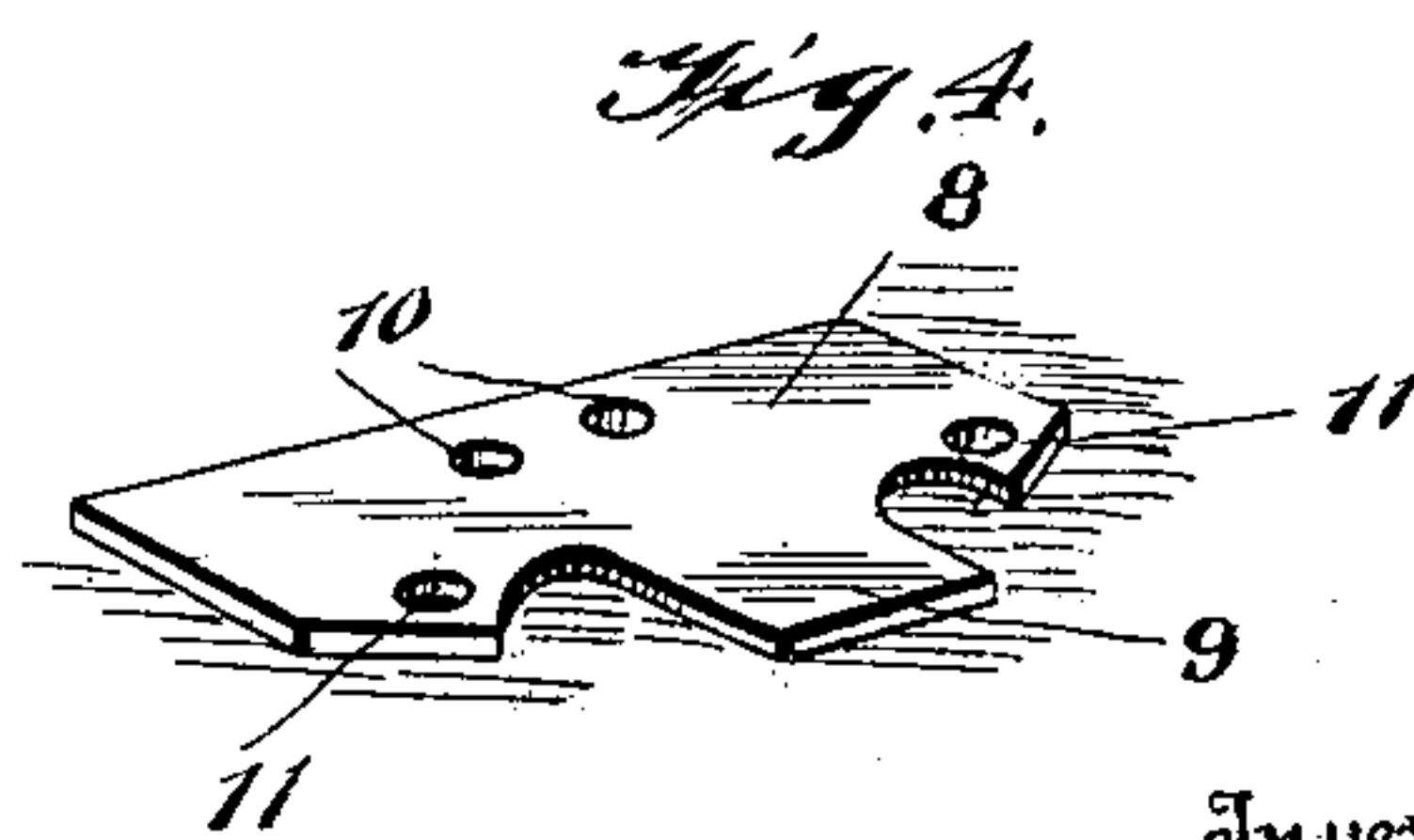
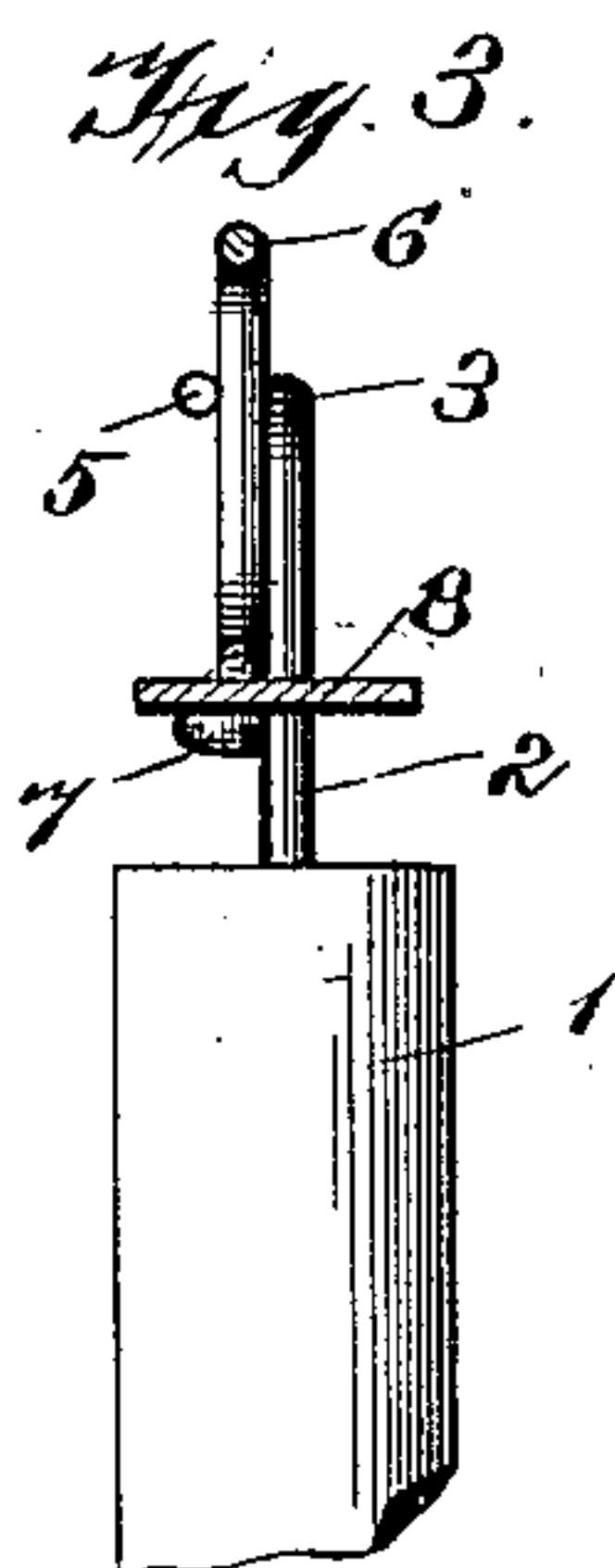
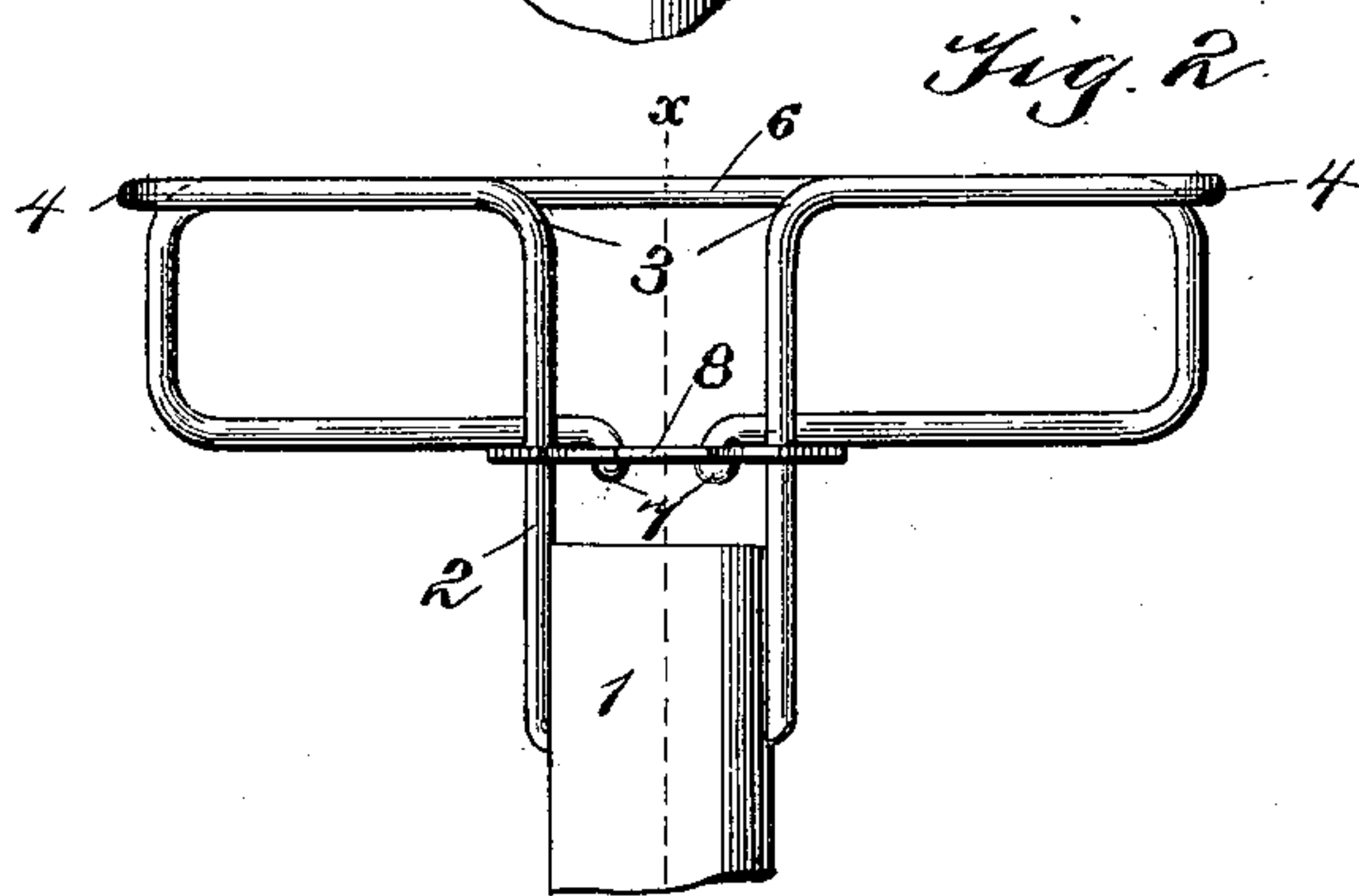
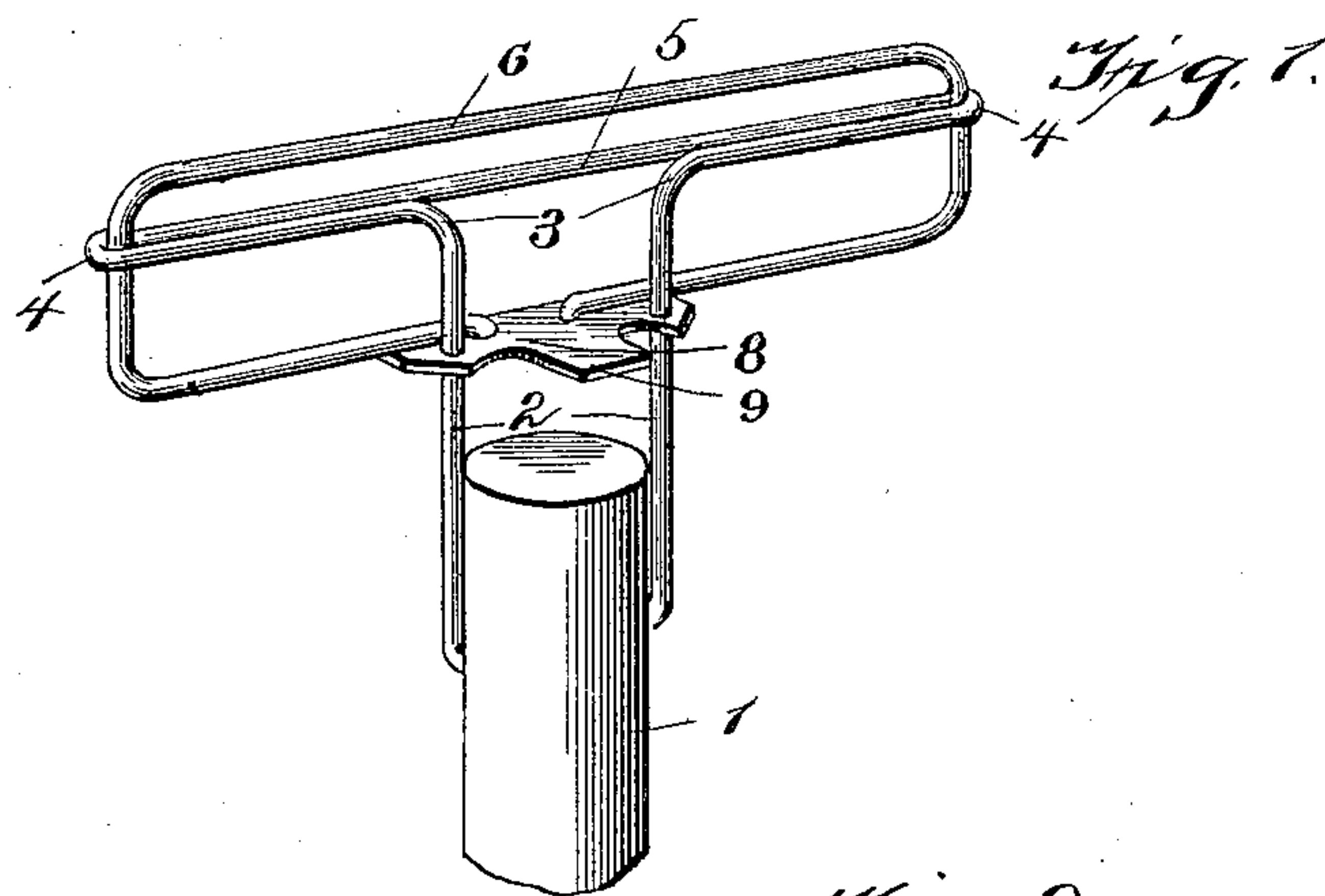
Patented Apr. 24, 1900.

A. M. KAUFFMAN.

MOP HOLDER.

(Application filed July 22, 1899.)

(No Model.)



Witnesses  
W. C. Linsford.  
Chas. E. Brock

Inventor  
Arthur M. Kauffman.  
By *Wm. A. Co.*  
Attorney

# UNITED STATES PATENT OFFICE.

ARTHUR M. KAUFFMAN, OF FOUR CORNERS, IOWA.

## MOP-HOLDER.

SPECIFICATION forming part of Letters Patent No. 647,971, dated April 24, 1900.

Application filed July 22, 1899. Serial No. 724,821. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR M. KAUFFMAN, a citizen of the United States, residing at Four Corners, in the county of Jefferson and State of Iowa, have invented a new and useful Improvement in Wire Mop-Holders, of which the following is a specification.

My invention relates to mop-heads, and has for its object the production of a device of this character that is simple in construction, one that is readily manipulated, cheap in construction, and positive in operation.

My invention consists of two pieces of wire properly bent and a friction-clutch suitably and effectively securing the same together for coöperation; and my invention consists of the parts and combination of parts hereinafter more fully set forth.

In the drawings which accompany and form part of this application, Figure 1 is a perspective view of my invention, the handle to which it is secured being broken away. Fig. 2 is a front elevation of the same. Fig. 3 is a vertical section of the same on the line *xx* of Fig. 2. Fig. 4 is a perspective view of the clutch-plate detached from Fig. 1.

1 represents the usual handle of a mop, one part of the mop-head comprising a piece of wire having the arms 2, the lower ends of which are bent inward and sharpened and driven in the sides of the handles, as will be readily understood. The wire is then bent at 3 and again at 4, thereby forming the loop 5 at the top of the arms 2. This loop is bent at a right angle to the said arms. 6 is another member of this mop-head and comprises an elongated link, the ends 7 of which are bent downward. 8 is the frictional clamping-plate, from which extends laterally an operating thumb-piece 9. 10 are openings formed through said plate, in which the ends of the elongated link or hook 6 are rigidly secured.

11 are openings in the plate 8, through which the arms 2 of the hook 5 pass, thereby securing the loops 5 and 6 together for coöperation.

The operation of the device is as follows: The parts being in the position shown in Fig. 2, the thumb is pressed upon the extension 9, thereby depressing the clamping-plate 8 to a level throughout, thus relieving the impingement of the sides of the openings 11

against the arms 2, whereupon the plate may readily be moved upon said arms. The plate 8 is then pushed upward, thus elevating the loop 6 the desired distance above the loop 5, and pressure upon the plate being removed the parts are firmly held in this position. A mop-cloth is now inserted between the two loops 5 and 6, after which the mop-head is inverted and the loop 6 pressed firmly against the floor, whereupon it is forced back into the loop 5 as far as the mop will permit. In this movement the clamp is pushed up on the arms 2 and holds the loop 6 in its closed position rigidly against accidental displacement by reason of the friction due to the impingement of the sides of the arms 2 against the edges of the holes 11 in the plate 8.

This construction produces a very rigid and positive clamp.

It is obvious that many changes may be made in the details of construction of my mop-head. Hence I would have it understood that I do not limit myself to the specific construction shown.

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 mop-head, the combination with a loop, arms depending from the same, of a second loop terminating in a friction-clamp adapted to engage the arms of the first-named loop, substantially as described.

2. In a mop-head, the combination with a loop, arms depending from the same, of a second loop working within the first-named loop, and a friction clamping-plate secured to the ends of the last-named loop and to the arms of the first-named loop, substantially as described.

3. In a mop-head, the combination with a loop, arms depending from the same, of a second loop working within the first-named loop, a clamping-plate, a laterally-extending thumb-piece integral with said plate and openings formed through said plate in which the respective loops are secured, substantially as described.

ARTHUR M. KAUFFMAN.

Witnesses:

WESLEY G. WALGRAN,  
W. H. RIPLEY.