

R. W. English.
Mop-Head.

Nº 75253

Patented Mar. 10, 1868.

Fig 1

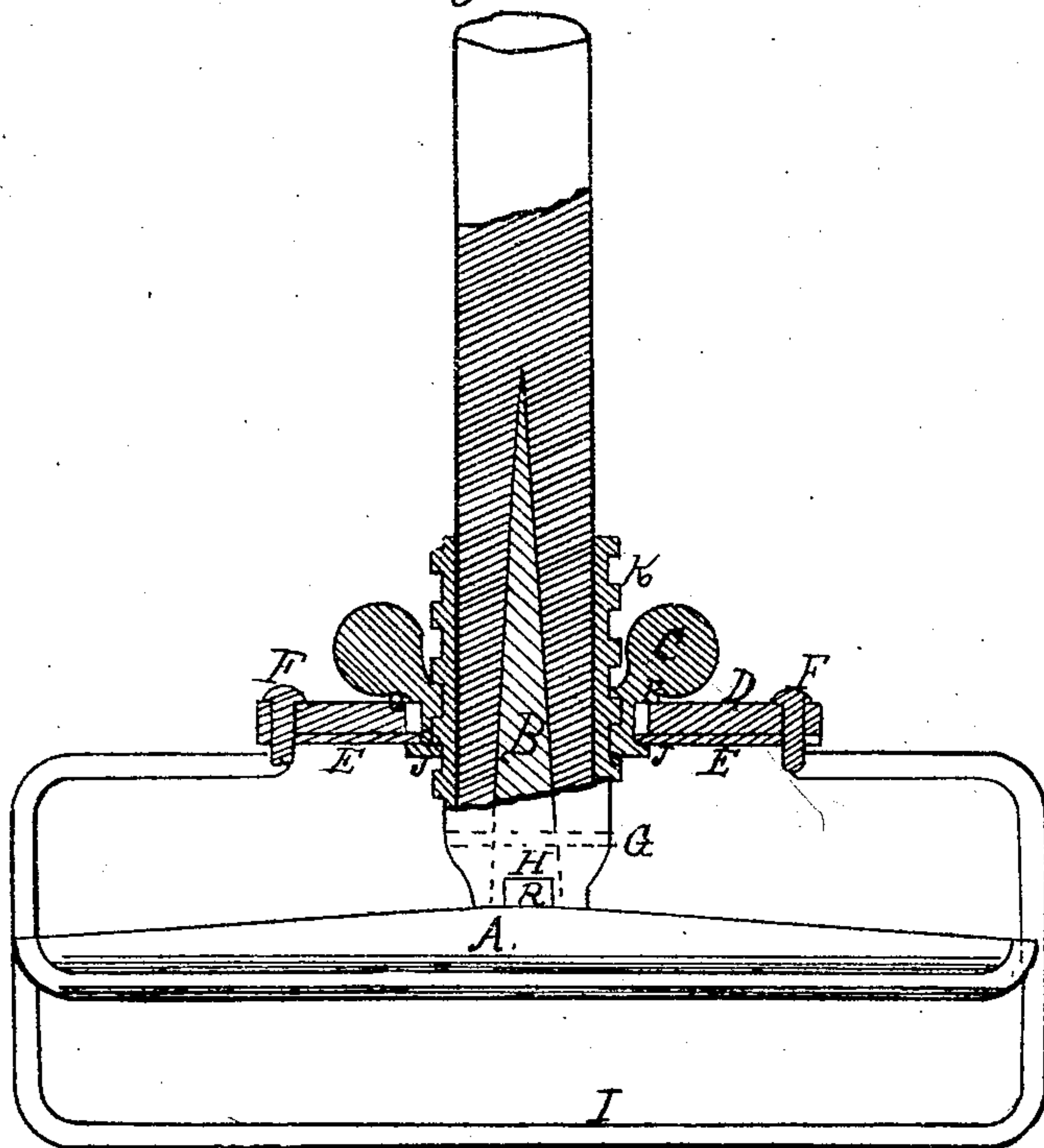


Fig 2

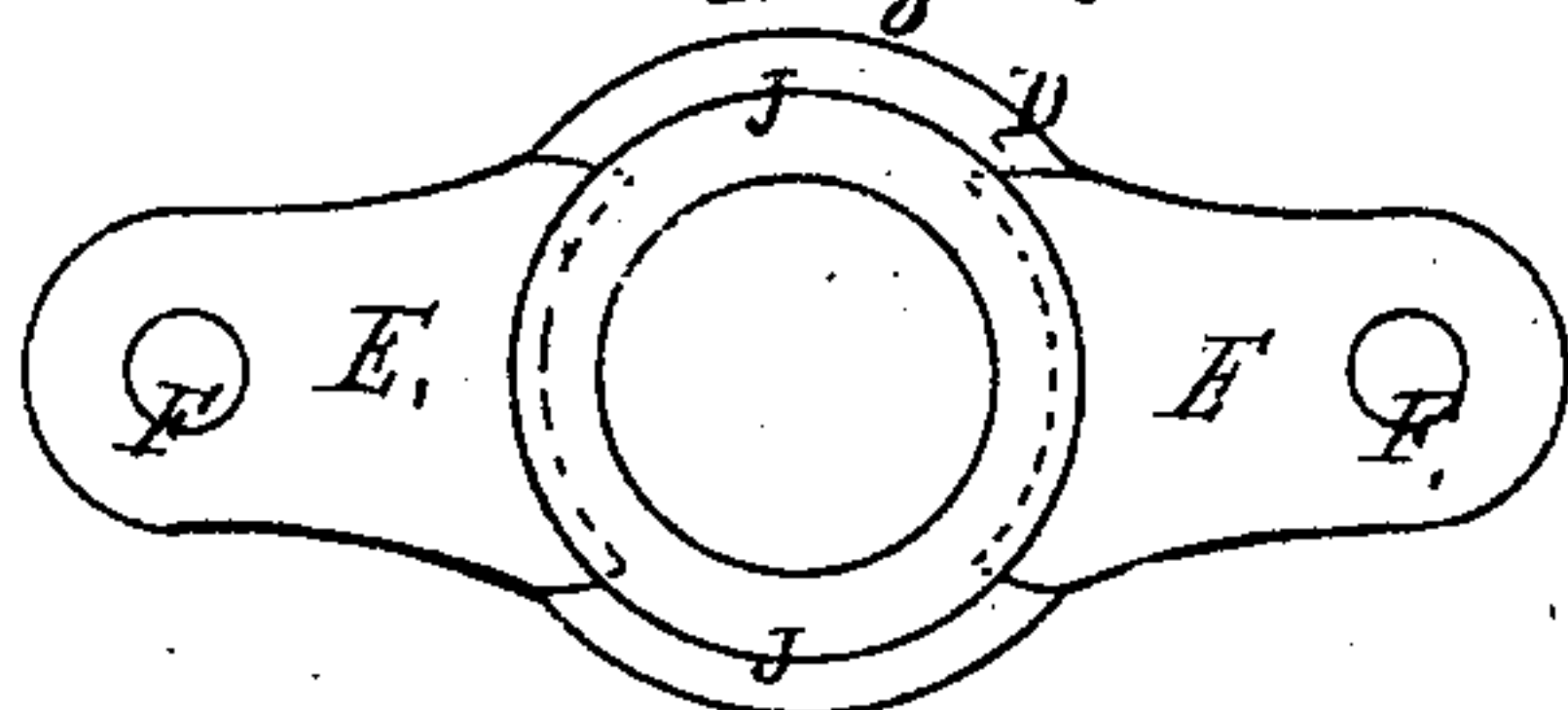
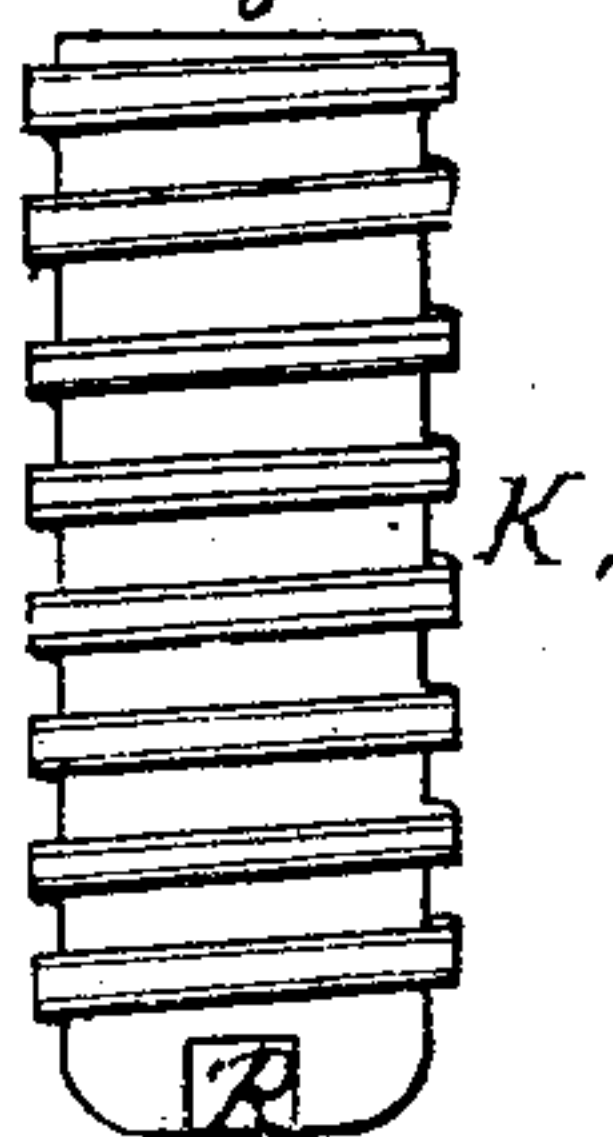


Fig 3



Witnesses:
James Sangster
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United States Patent Office.

RICHARD W. ENGLISH, OF BUFFALO, NEW YORK.

Letters Patent No. 75,253, dated March 10, 1868.

IMPROVED MOP-HEAD.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, RICHARD W. ENGLISH, of Buffalo, in the county of Erie, and in the State of New York, have invented certain new and useful Improvements in Mop-Heads; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, in which like letters in the several figures represent similar parts.

The nature of my invention consists in the combination of a screw-ferrule with the cross-head, for the double purpose of tightening and holding the said cross-head to the handle and providing a screw for a thumb-nut to operate the binding-wire; also in a new device for holding the thumb-nut in its proper position within the collar, and an arrangement by which the binding-wire is made to hold the several parts together.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my mop-head of cast and wrought iron, that being the best and cheapest material. To prevent rust, &c., it is covered with a thin coating of copper in the usual way. In the accompanying drawings—

Figure 1 represents a side elevation, in partial section, of my said invention.

Figure 2 is a plan view of the collar, with the parts for holding the thumb-nut in position within it.

Figure 3 represents a side elevation of the screw-ferrule.

In the said drawings, A represents the cross-head. It is made, as shown, with a shank or pointed projection, B, and a projection, H. I is the binding-wire; it is riveted to the collar D at the points F F. D represents the collar; K, the screw-ferrule; C, the thumb-nut which works over it. E E represent two pieces, which hold the nut C in position within the collar. As will be seen, the thumb-nut is made with two flanges, P P and J J. The lower flange, J J, is made small enough to pass through the said collar, and the upper flange, P P, large enough to rest upon the top of the same, as shown in fig. 2. The pieces E E are made so as to slip within or into the said flange J J, and are riveted in position, as shown at F F, also in fig. 2. To keep the cross-head and screw-ferrule firmly in position, and from turning, the small projection H, in the cross-head A, is made to fit into a slot, R, in the screw-ferrule, after which the pin G is fastened, as shown in the drawing, passing through the screw-ferrule K, handle and shank B, thereby holding everything firmly in place. The shank B may be riveted on to the cross-head A, but I prefer casting them all in one piece.

Having thus described my said invention with sufficient clearness to enable others skilled in the art to which it appertains, or to which it is most nearly connected, to make, construct, and use the same, what I claim as my invention, and desire to secure by Letters Patent, is—

1. The cross-head A and shank B, in combination with a screw-ferrule, K, provided with a slot, R, as and for the purposes substantially described.

2. The thumb-nut C, in combination with the parts E E and collar D, substantially as and for the purposes described.

3. The employment of the binding-wire, for holding the collar D and parts E E together, as herein shown and set forth.

Witnesses :

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S. M. SANGSTER.

R. W. ENGLISH.