

(No Model.)

J. K. COLLINS.
Mop Head.

No. 232,688.

Patented Sept. 28, 1880.

Fig. 1.

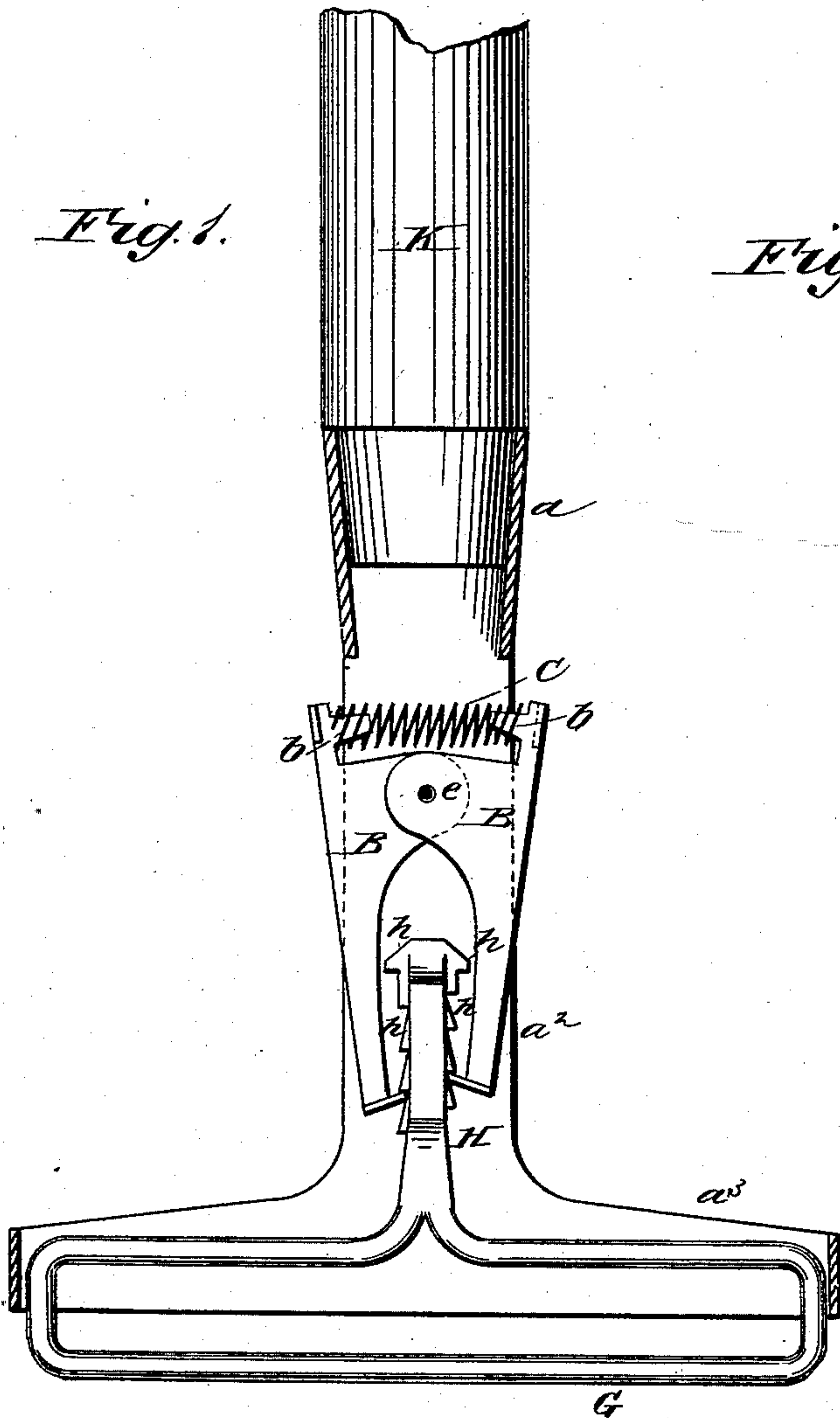
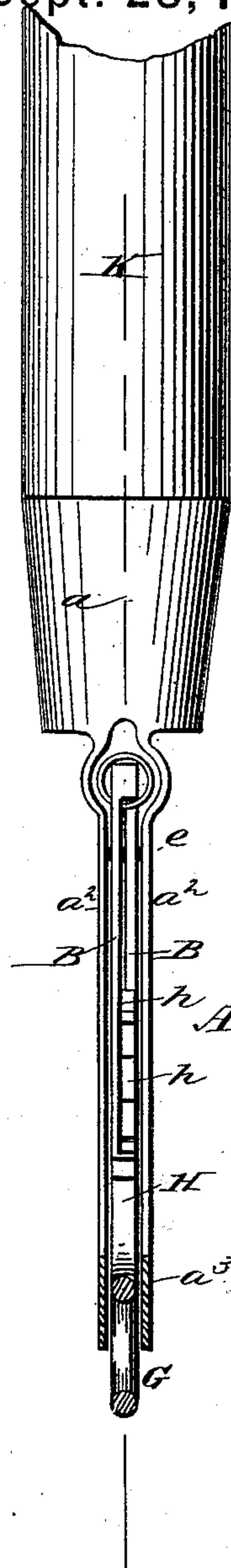


Fig. 2.



WITNESSES:

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JOHN K. COLLINS, OF LEBANON, NEW HAMPSHIRE.

MOP-HEAD.

SPECIFICATION forming part of Letters Patent No. 232,688, dated September 28, 1880.

Application filed June 24, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN K. COLLINS, of Lebanon, in the county of Grafton and State of New Hampshire, have invented a new and useful Improvement in Mop-Heads, of which the following is a specification.

My invention consists in a novel construction and combination, with each other, of a mop-holder provided with a notched or serrated shank, and a mop-head provided with pivoted spring-pawls engaging with said shank, whereby provision is made for adjusting and holding the mop-holder in place in the head and for preventing its accidental displacement.

In the accompanying drawings, Figure 1 is a sectional view in one direction, and Fig. 2 is a sectional view at right angles to Fig. 1.

Similar letters of reference indicate corresponding parts.

The mop-head A is made of metal, either cast or wrought, and is provided with the usual ferrule or socket *a*, for the reception of a wooden handle, K, said ferrule or socket being at the upper termination of two arms, *a*², extending from a flattened band, *a*³, which forms the lower part of the mop-head. Between the arms *a*² are pivoted, by means of a screw or rivet, *e*, two pawls, B B, provided with a spring, C, which has a tendency to press their upper ends outward and their lower ends toward each other, said spring being above the pivot *e*. The upper ends of the pawls are provided with inwardly-projecting studs *b*, which serve as seats for the spring C, and also serve to limit the inward motion of the pawls.

The mop-holder consists of a laterally-elongated loop, G, provided with a shank, H, at right angles edgewise with the length of the loop. On two opposite sides of the shank are ratchet-teeth *h*, and the lower ends of the pawls B are hooked or turned inward for engagement with said teeth. At the extreme upper end of the shank H the two opposite teeth are longer than those on the rest of the shank, and the distance between the points of these two teeth is greater than the distance to which the

hooked lower ends of the pawls B can be separated when they are pivoted in place in the head. The mop-holder is placed in position in the head by first placing the toothed shank H between the jaws of the pawls and then pivoting said pawls in place between the arms *a*² of the head.

The mop being placed in the holder it is held securely by pushing the loop upward, so as to cause the band *a*³ to clamp the mop and loop and the jaws of the pawls to grasp the toothed shank. As the two uppermost teeth of the shanks are together longer than the space between the jaws of the pawls, the holder cannot become entirely removed from the head without removing the pivot *e*, which holds the pawls in place.

I am aware that it is not broadly new in mop-heads to hold the parts thereof firmly in any required position by a spring-dog engaging with a ratchet-arm.

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

1. A mop head and holder consisting of the head A, having the socket *a*, arms *a*², and flattened band *a*³, the loop G, having the toothed shank H and two pivoted spring-pawls, B, engaging with said toothed shank, all arranged and operating as herein shown and described.

2. The combination, with the loop G, having toothed shank H, of the spring C, and the pivoted pawls B, provided with the studs *b*, forming seats for said spring and limiting the motion of the pawls, substantially as herein described.

3. The combination, with the head A and the pawls B, of the mop-holder shank H, provided with teeth *h*, and having the uppermost teeth longer than the distance between the separated jaws of the pawls, whereby the accidental displacement of the mop-holder is prevented, substantially as herein described.

JOHN K. COLLINS.

Witnesses:

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