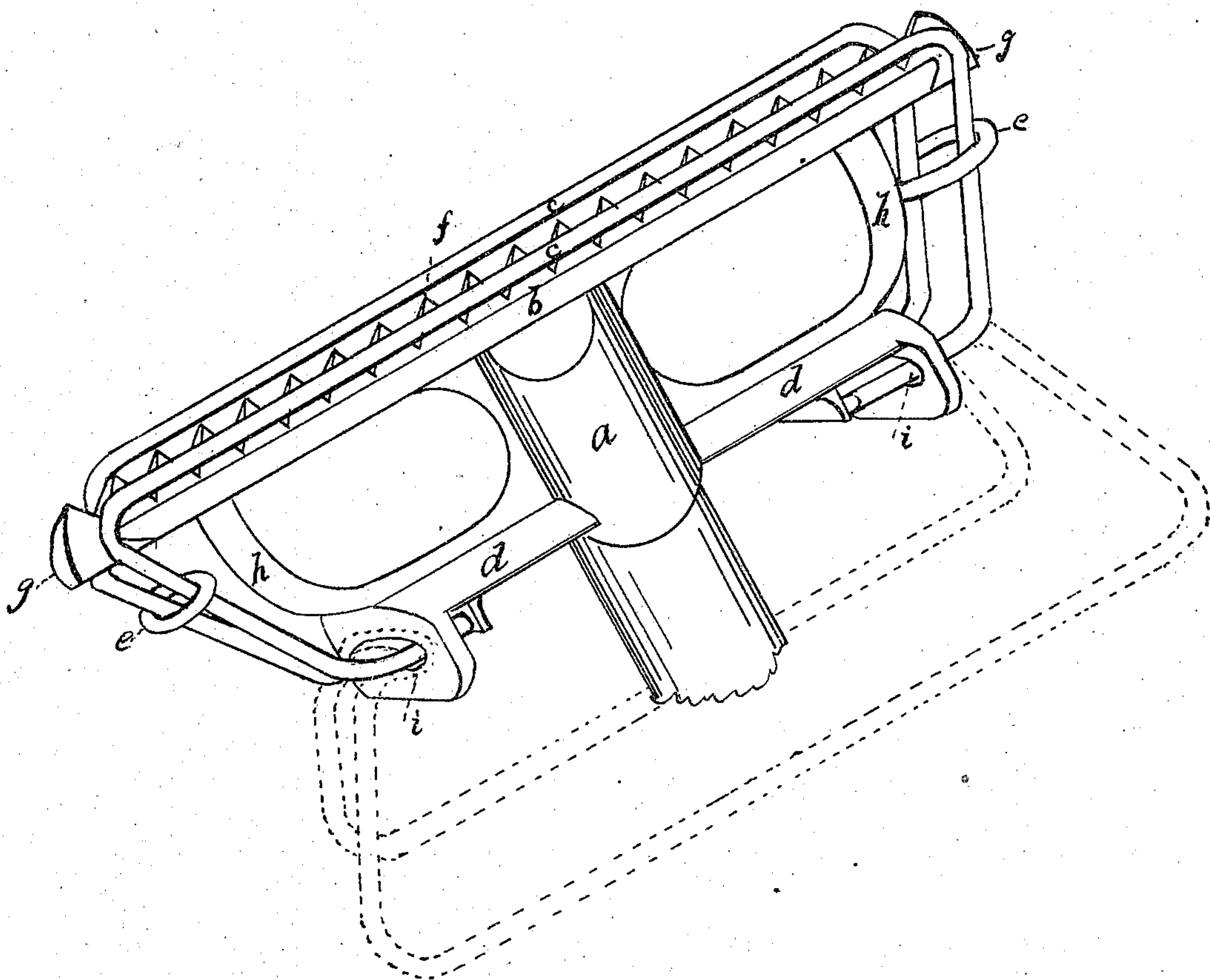


W. A. Robinson.

Mop-Head.

N<sup>o</sup> 75796

Patented Mar. 24, 1868



Inventor.

Wm. A. Robinson

Witnesses.

R. P. Cutler  
W. C. Angell

# United States Patent Office.

WILLIAM A. ROBINSON, OF GRAND RAPIDS, MICHIGAN.

*Letters Patent No. 75,796, dated March 24, 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, WILLIAM A. ROBINSON, of the city of Grand Rapids, in the county of Kent, and State of Michigan, have invented a new and improved Mop-Head; and I hereby declare that the following is a full and exact description of said invention, reference being had to the attached drawings, making a part of this specification.

Said invention, when constructed of iron, consists of a socket, *a*, to receive the handle, a transverse head, *b*, two wire bows, *c c*, two arms *d d*, and two links *e e*. There is a thickly-set row of pointed teeth, *f*, in the centre of the head *b*, extending the whole length of the head. There is a tenon-like projection, *g g*, on each end of the head, which prevents the bows *c c* from passing back and forth over the head. The arms *d d* are attached to the opposite end of the socket from the head, and extend on a line parallel with the head, and are supported by braces *h h*, resting on the head. In the outer end of the arms *d d* there may be a mortise, *i i*, as shown in the drawings, or slots, to receive the end of the bows *c c*. The links *e e* slide on the bows *c c*, from the mortise or slots to the end of the head, and when brought back, the bows *c c* may be opened to receive the mop-cloth, which being passed over the head and through the bows, will be brought on to the teeth *f*, and fastened there by sliding the links *e e* down towards the end of the head. The teeth *f* serve to prevent the cloth from coming out, and also from coming together during the process of wringing.

The said invention may also be constructed of wood and wire, without the cast head, in which case the head will be made of wood. The teeth may be made of wire, and inserted in the centre of the head like spurs, a short distance from each other, or their equivalents. A brace, made of wire, may be inserted in each end of the head, and extended any desirable distance upward, when it will be coiled once and a half round, forming an opening corresponding with the mortise *i i*, above described, to receive and hold the ends of the bows *c c*, and from thence it will be turned toward, extended to, and inserted in the handle. The links *e e* are used on the bows of this style of mop-head in the same manner and for the same purpose as on the iron head above described.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The combination of the arms *d d*, the socket *a*, and teeth *f*, and the mode thus provided for attaching and holding the bows *c c*, substantially as and for the purpose described.
2. The arrangement and combination of the socket *a*, head *b*, bows *c c*, braces *h h*, with the arms *d d*, links *e e*, and teeth *f*, substantially as and for the purpose intended.

WM. A. ROBINSON.

Witnesses:

R. P. CUTLER,  
W. C. ANGELL.