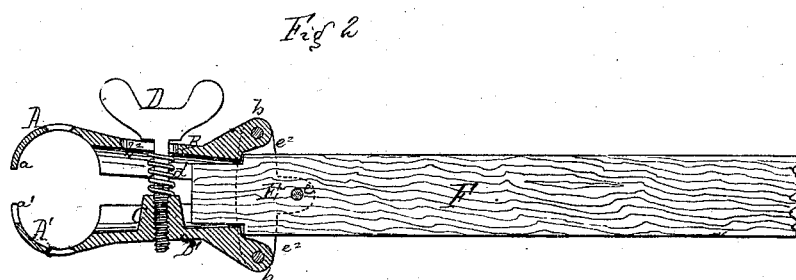
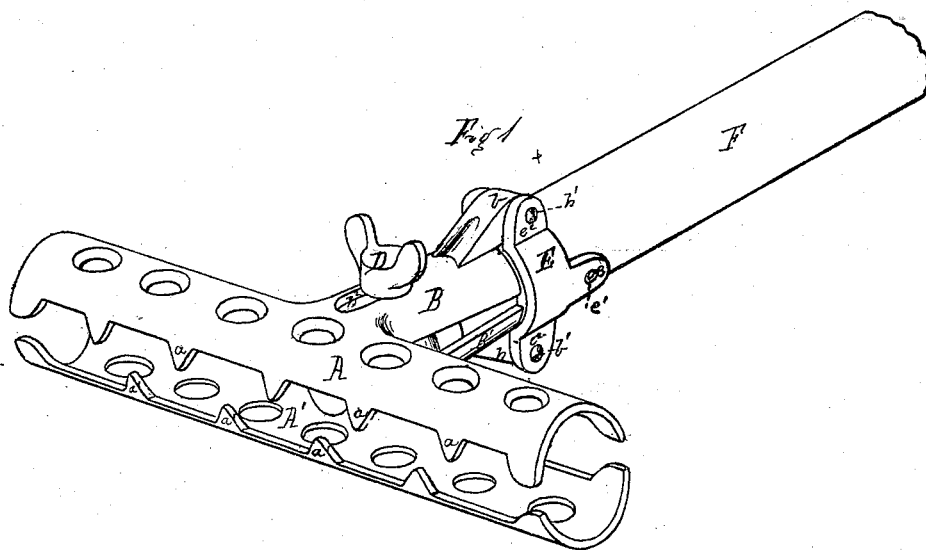


*Selden & Griswold, Jr.,*

*Mop Head.*

*No. 113,457.*

*Patented Apr. 4, 1871.*



*Witnesses*  
*Alex. Mahon*  
*W. H. Doubleday,*

*Samuel Selden*  
*and Matthew Griswold,*  
*by their Attorney*  
*A. M. Smith*

# United States Patent Office.

SAMUEL SELDEN AND MATTHEW GRISWOLD, JR., OF ERIE, PENNSYLVANIA.

Letters Patent No. 113,457, dated April 4, 1871.

## IMPROVEMENT IN MOP-HEADS.

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

### *To all whom it may concern:*

Be it known that we, SAMUEL SELDEN and MATTHEW GRISWOLD, Jr., of the city and county of Erie, State of Pennsylvania, have invented certain new and useful Improvements in Mop-Heads, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing, in which—

Figure 1 is a perspective view of the improved mop-head, and

Figure 2 is a section of the same taken longitudinally of the pivoted shanks.

Similar letters of reference denote corresponding parts in both figures.

A A' are the jaws, each of which is semi-cylindrical in form, and provided on its outer or clamping-edge with teeth *a a'*, which engage with and securely hold the material of which the mop is made, as will be readily understood.

B B' are shanks projecting at right angles from the jaws A A'. These shanks are also semi-cylindrical in form, and are adapted to receive and inclose the end of a mop-stick or handle.

Each of shanks B B' is expanded at its outer end and formed into a lug *b*, substantially as shown in the drawing, and is perforated to receive a pin or rivet, *b'*.

Shank B' is provided centrally with a boss, C, in which is cut a screw-thread.

D is a thumb-screw passing through a slot, *b<sup>2</sup>*, in shank B, and engages with the thread in boss C.

*d* is a spiral spring surrounding screw D, and serving to press the jaws A A' apart when they are not held together by said screw.

E are socket-pieces, shown in full lines in fig. 1 and in dotted lines in fig. 2.

They are provided with ears *e*, by means of which they may be secured to the mop-stick F by a rivet, *e'*, as represented in the drawing.

The central portion of each of the socket pieces is circular in form so as to fit the mop-stick, and each represents something less than a semicircle, their ends *e<sup>2</sup>*, forming wings, being turned outward on nearly radial lines in such manner that, when the parts are placed in proper position, as shown in the drawing, the inner faces of these wings *e<sup>2</sup>* shall be parallel with each other, and at such distance apart as will allow the lug *b* to be placed between them, so that, when a rivet, *b'*, is put in, the parts E, *e<sup>2</sup>*, *b*, and *b'*, form a hinge by which the jaws A A' are flexibly united to each other and may be firmly secured to stick F.

The construction and operation of these devices are so simple that a more extended description is not deemed necessary.

Having now described the invention,

What is claimed as new, and sought to be secured by Letters Patent, is—

The combination of jaws A A', hinged shanks B B', and thumb-screw D, substantially as set forth.

SAMUEL SELDEN.

MATTHEW GRISWOLD, JR.

Witnesses:

RICHARD H. CAMP,  
J. C. SELDEN.