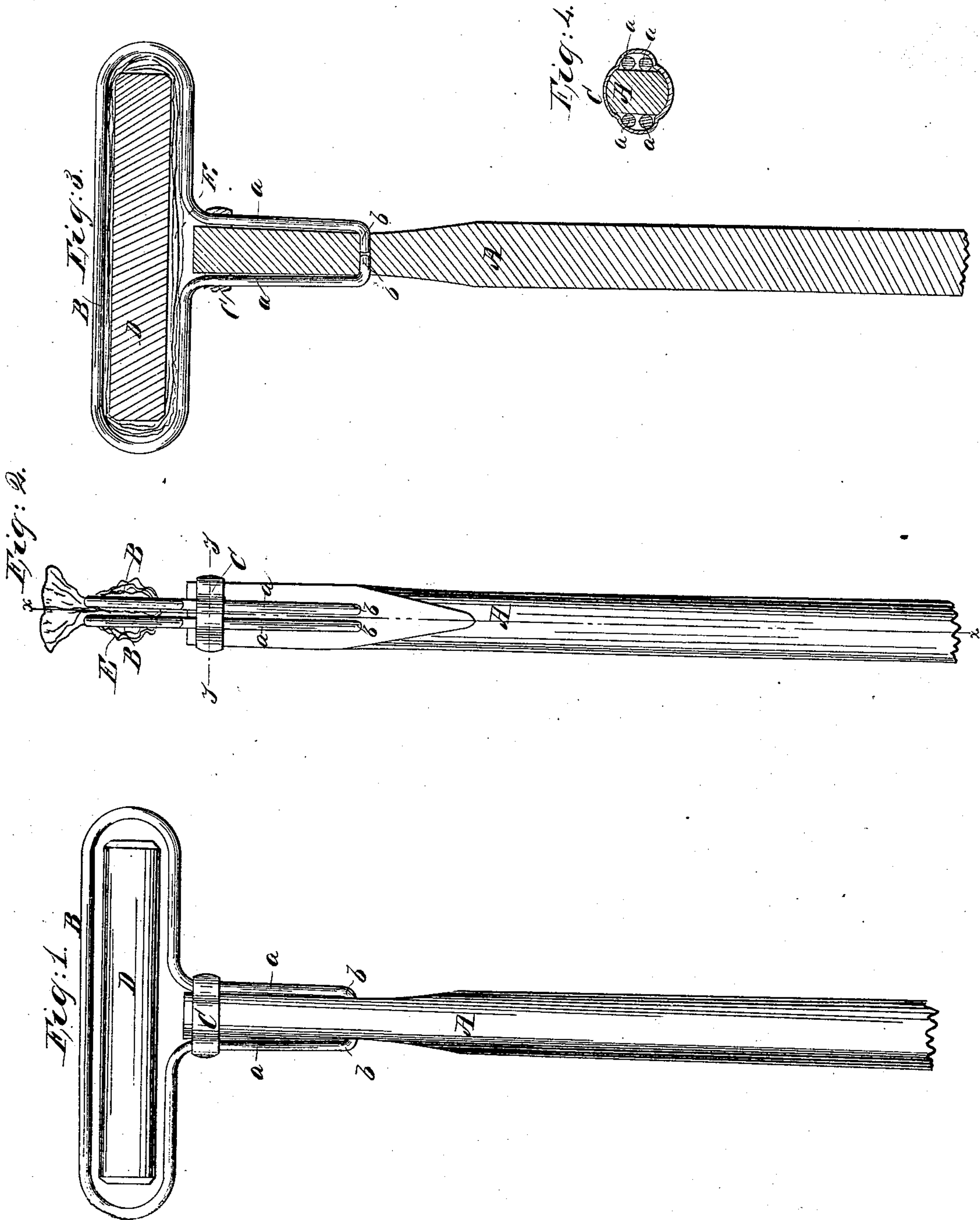


*J. S. Harris,*  
*Mon Holder.*

*N<sup>o</sup> 17,877.*

*Patented July 28, 1857.*



# UNITED STATES PATENT OFFICE.

JAMES S. HARRIS, OF POULTNEY, VERMONT.

## MOP-HEAD.

Specification of Letters Patent No. 17,877, dated July 28, 1857.

*To all whom it may concern:*

Be it known that I, JAMES S. HARRIS, of East Poultney, in the county of Rutland and State of Vermont, have invented a new and Improved Mop-Head; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, Figure 1 being a side view of the mop-head, together with a part of the handle to which it is attached; Fig. 2, an edge view thereof; Fig. 3, a section of the same in the plane indicated by the line *x, x*, Fig. 2; Fig. 4, a section in the plane indicated by the line *y, y*, Fig. 2.

Like letters designate corresponding parts in all the figures.

I construct two jaws B, B, of wire, bent into the form, substantially as represented, so as to leave an oblong space between the sides thereof. The ends of the wire forming each jaw, are thence extended parallel with each other, so as to form shanks *a, a*, a few inches in length. These shanks lie against the opposite chamfered, or flattened, sides of the handle A, and finally terminate in claws *b, b*, which enter a hole perforated in the handle, as shown in Fig. 3. The respective shanks of the two jaws are situated side by side, at a little distance from each other, as indicated in Fig. 2, the claws *b, b*, of the respective jaw-shanks, entering different holes in the handle. The jaws are held together by a sliding ring, or ferrule, C, which may be made of cast-iron,

and of the form to fit the handle and shanks, as seen in Fig. 4. When the ferrule is slipped along the handle till the shanks *a, a*, are left free, the jaws can be swung apart as far as desired, for the reception of the cloth E. A wooden pin D, of cylindrical or other convenient shape, and of such size as to nearly fill the space inclosed by the wire of each jaw, is first inserted between the folds of the cloth; and then the whole is simply placed between the jaws, as indicated in Figs. 2, and 3. The ferrule C, is then slipped over the shanks, close up to the jaws, and thus holds the cloth firmly in place.

A mop-head thus constructed, is exceedingly simple, cheap, light, strong and durable.

What I claim as my invention is—

1.. Constructing the wire jaws B, B, so as to nearly or quite inclose oblong spaces, substantially as represented and described, for the purpose of more effectually embracing and holding the cloth.

2. I also claim the pin D, when used in combination with the jaws B, B, substantially in the manner and for the purpose herein set forth.

The above specification of my improved mop-head, signed by me this sixth day of May, 1857.

JAMES S. HARRIS.

Witnesses:

ELIZABETH W. HARRIS,  
JOS. P. HARRIS.