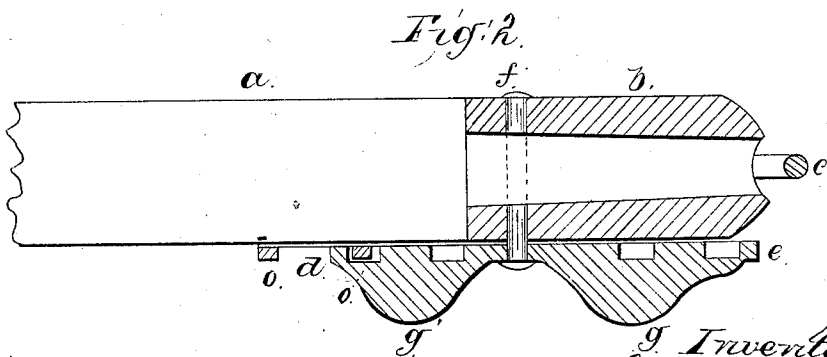
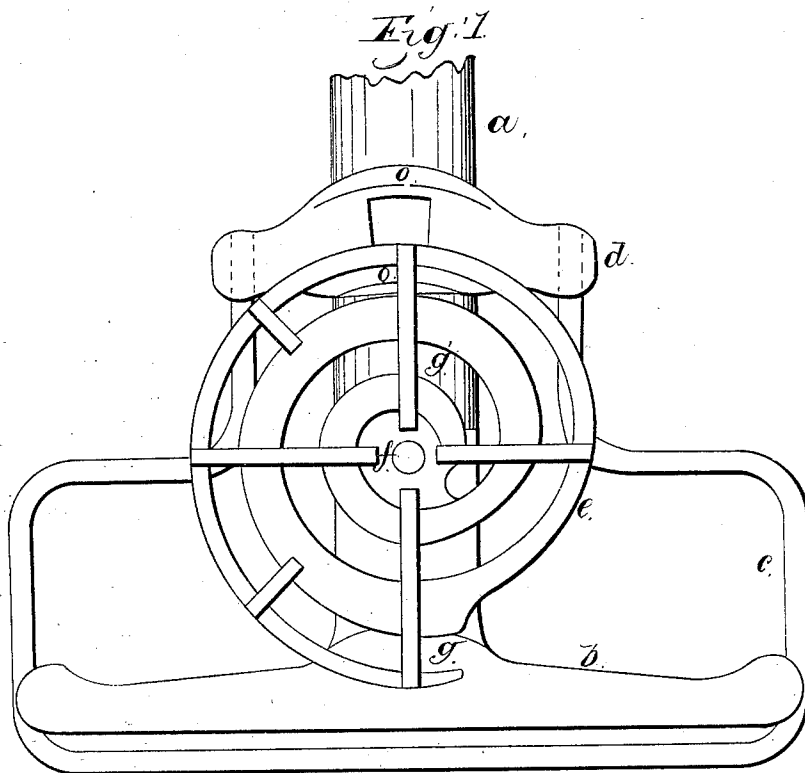


*G. W. Sanders,
Map Holder.*

N^o 69,368.

Patented Oct. 1, 1867.



*Witnesses:
John H. Stebbins
Arthur R. Peck*

*G. Inventor,
Geo. W. Sanders.
By his Attorney,
Solway Sanders*

United States Patent Office.

GEORGE W. SANDERS, OF SPRINGFIELD, VERMONT.

Letters Patent No. 69,368, dated October 1, 1867.

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, GEORGE W. SANDERS, of Springfield, in the county of Windsor, and State of Vermont, have made and invented a new and useful Improvement in Mop-Heads; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side elevation, and

Figure 2 a longitudinal section.

My invention relates to an improvement in mop-heads, and is designed to facilitate the adjustment of the mop or scrub, and to secure the same firmly when in use.

And in carrying out my invention, I provide an ordinary wooden handle, *a*, which I make three or four feet in length. And, further, I construct a cast-iron head, *b*, which I make five or six inches long, and provide the same with a socket on the upper side for the insertion of a handle, and with a groove or channel extending along the lower side and around the ends thereof. And, further, I provide a movable jaw, *c*, which I usually make of iron wire of suitable strength; and in about the form represented in fig. 1; and the upper ends of the wire forming the jaw *c* I connect together by means of a cast-iron slide, *d*, fig. 1, the middle of which I make in the form of a semicircular swell, to fit the convex surface of the handle *a*, whereon it is designed to move; and I provide the front or outside of the slide *d* with slightly-inclined projections or teeth *o o*, designed to operate in the nature of the thread of a screw or bolt, as hereinafter described. And, further, I construct what I term a screw-cam, *e*, of about the size and form represented in figs. 1 and 2. The cam *e* I usually make of cast iron, and provide the same with ears or thumb-pieces *g g'*, whereby to turn the cam and adjust the mop. I then insert the handle *a* in the socket of head *b*, and arrange the jaw *c*, the ends of which are held by the groove or channel in the ends of head *b*, while the slide *d* rests or moves on the handle *a*. And, further, I provide an iron pin or rivet, *f*, whereby I attach the screw-cam *e* firmly to the side of the socket of head *b*, and in such a manner that the teeth *o o* of slide *d* are caught by the cam *e*, and by turning the cam, the jaw *c* is moved up or down at pleasure for the adjustment and security of the mop or scrub.

Having thus described the nature and construction of my invention, and how the same is to be operated, I wish to be understood that it is to the screw-cam *e* and slide *d* that my invention particularly relates, and for which I wish to obtain Letters Patent, and—

I claim the screw-cam *e* and slide *d* or its equivalent, in combination with the jaw *c*, constructed and operating substantially in the manner described and for the purpose specified.

Witnesses:

W. H. WHEELER,
CHAS. O. BRYANT.

GEORGE W. SANDERS.