

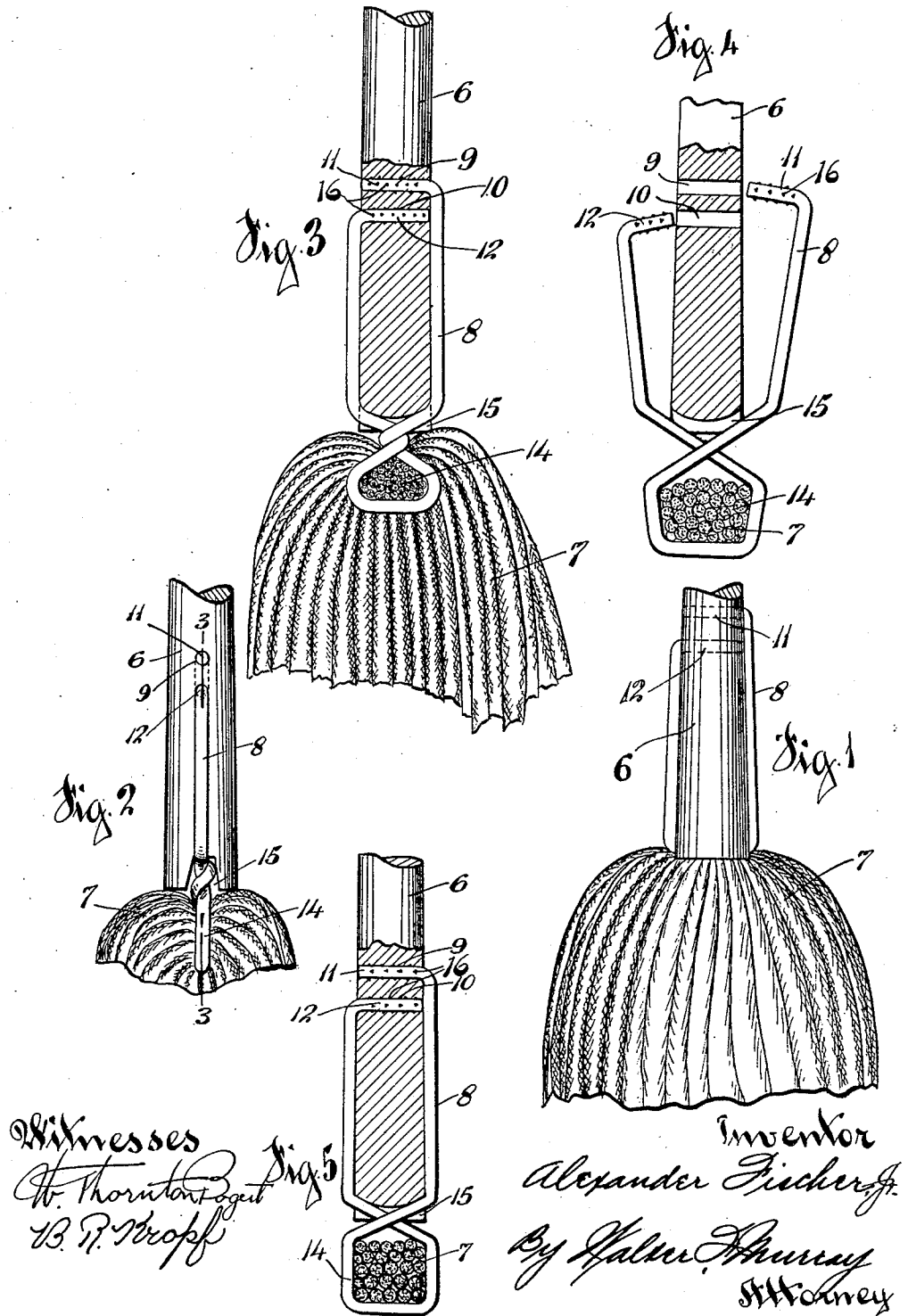
A. FISCHER, JR.

MOP.

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1,183,181.

Patented May 16, 1916.



UNITED STATES PATENT OFFICE.

ALEXANDER FISCHER, JR., OF CINCINNATI, OHIO.

MOP.

1,183,181.

Specification of Letters Patent.

Patented May 16, 1916.

Application filed November 21, 1913. Serial No. 802,305.

To all whom it may concern:

Be it known that I, ALEXANDER FISCHER, Jr., a citizen of the United States of America, and resident of Cincinnati, county of Hamilton, and State of Ohio, have invented certain new and useful Improvements in Mops, of which the following is a specification.

This invention relates to improvements in mops and has for an object to produce a mop which is simple and cheap to manufacture, and which is strong and durable. These and other objects are attained in the mop construction described in the following specification, and illustrated in the accompanying drawings, in which,

Figure 1 is a fragmental side elevation of a mop embodying my invention. Fig. 2 is a fragmental side elevational view of the mop, taken at right angles to the position shown in Fig. 1. Fig. 3 is a fragmental sectional view taken on the line 3—3 of Fig. 2. Fig. 4 is a sectional view illustrating the first step taken in assembling the component parts of the mop. Fig. 5 is a sectional view illustrating the second step taken in assembling the mop.

The mop comprises a handle 6, a mop portion 7, and a means for securing the mop portion to the handle, which consists of a wire 8, which is looped to engage the mop portion.

The handle is provided with two transverse bores 9 and 10, into which the respective ends 11 and 12 of the wire loop member 8 are adapted to project. Member 8 is in the shape shown in Fig. 4, previous to assembling the mop parts. The strands 14 of the mop are placed in the loop of the member, previous to crossing the wires, the wires are then crossed as shown, and the bent ends 11 and 12 are then pressed into the bores 9 and 10, as shown in Fig. 5. The strands are now secured in member 8 by

twisting the end of the loop. This causes the strands to be bound closely together, and also aids in retaining the ends of the member in their mounting bores. The base or strand-engaging end of the loop must however be secured against movement relatively to the handle. A notch 15, formed in the end of the handle, is provided for this purpose, and by having the twisted portion of the wire located in the notch, as shown in Fig. 3, such movement is prevented. The wire is drawn into the notch during the operation of twisting, and is thereby caused to occupy the position shown. In twisting the wire, the ends 11 and 12 are also drawn tightly against the bottoms of the bores 9 and 10, thereby securing the ends of the wire in the handle. These ends may be provided with burs or scores 16, similar to those formed upon the shanks of wire nails, which will also aid in retaining the ends of the wire in the handle.

Having thus described my invention, what I claim is:

In combination in a mop, a mop portion comprising a plurality of strands of mopping material, a wire loop through which the strands extend, having handle engaging ends formed thereon at an angle to the sides of the loop, said loop being twisted to hold the strands in place, and a handle having bores formed near one end thereof for receiving the ends of the loop, and a notch formed in the end thereof for receiving the twisted portion of the loop the twist retaining the ends of the loop in the bores.

In testimony whereof, I have hereunto subscribed my name this 18th day of November, 1913.

ALEXANDER FISCHER, JR.

Witnesses:

WALTER F. MURRAY,
W. THORNTON BOGERT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."