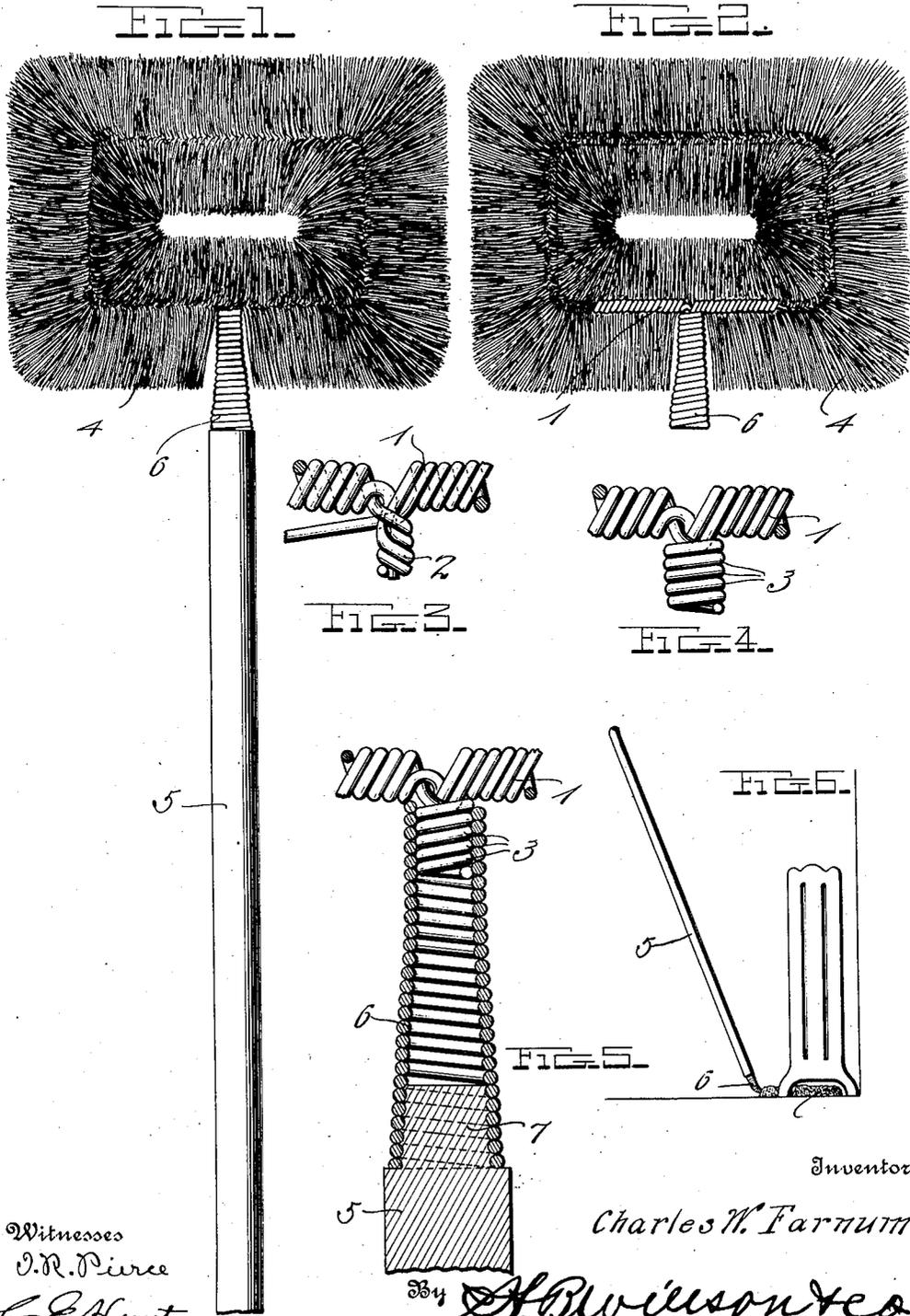


C. W. FARNUM.  
 DUSTING MOP.  
 APPLICATION FILED JULY 29, 1912.

1,047,021.

Patented Dec. 10, 1912.



Witnesses  
 J. R. Pierce  
 C. E. Hunt

Inventor  
 Charles W. Farnum.

By *A. B. Wilson & Co.*  
 Attorneys

# UNITED STATES PATENT OFFICE.

CHARLES W. FARNUM, OF NORWOOD, OHIO.

DUSTING-MOP.

1,047,021.

Specification of Letters Patent.

Patented Dec. 10, 1912.

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*To all whom it may concern:*

Be it known that I, CHARLES W. FARNUM, a citizen of the United States, residing at Norwood, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Dusting-Mops; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in dusting mops.

One object of the invention is to provide a mop having an improved means for detachably and yieldingly or flexibly connecting the head of the mop to the handle thereof.

Another object is to provide a mop having a head which may be reversed or used on both sides without removing and turning the same in the handle and which will be simple, strong and durable in construction, efficient in operation and which may be used beneath objects sitting close to the floor, and in other places difficult to reach with a mop of the usual construction.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings; Figure 1 is a side view of my improved mop; Fig. 2 is a similar view of the mop head with part of the mop material removed; Fig. 3 is an enlarged side view of the inner ends of the twisted wire frame of the mop head showing the manner in which the ends of the wires are twisted together to form the shank of the brush head; Fig. 4 is a similar view of the same parts after the shank has been completed; Fig. 5 is an enlarged sectional view of the outer end of the handle and the flexible handle socket, showing the shank and a portion of the brush head frame engaged therewith; Fig. 6 is a view illustrating the manner in which the mop may be employed for reaching and dusting places not readily reached by an ordinary mop.

In the embodiment of the invention, I provide a frame 1 which may be of any suitable shape but is here shown and is preferably of rectangular oblong form and which is constructed of two wire rods twisted together and bent into the form

shown. The ends of the rods forming the frame 1 are brought together at a point midway between the ends of the inner side of the frame and three of said ends are bent outwardly at right angles to the side of the frame and twisted together to form a shank 2 around which is coiled the fourth end of the wires, said coiled wire forming threads 3 around the shank. Any suitable material may be employed for forming the head of the mop, said material being here shown as consisting of strands 4 of cord which are secured close together midway their ends between the twisted wires of the frame 1 whereby said strands will form a thick brush on all sides of and entirely around the frame 1 as shown.

The mop is provided with a handle 5 of any suitable length to which the frame 1 of the head is detachably and flexibly connected by means of a resilient socket 6 formed from a coiled wire rod, said socket being preferably tapered for a suitable distance from its inner end to receive the reduced outer end 7 of the handle, said reduced end of the handle being preferably threaded and screwed into the inner end of the socket as shown. The outer end of the socket 6 is of suitable size to receive the threaded shank 2 of the frame 1, the coiled wire forming the threads 3 of the shank being screwed into engagement with the coils forming the outer end of the socket. By thus connecting the head to the socket it will be seen that the head may be readily removed when desired and when the shank is engaged with the socket the head will be securely fastened to the handle.

As shown the socket 6 thus formed is of sufficient length, whereby when the reduced end 7 of the handle 5 and the shank 2 are screwed into the opposite ends of said socket the resiliency and flexibility of the intermediate portion of the socket is not interfered with.

By providing the flexible connection between the handle and the head of the mop it will be seen that the head may be used at an angle to the handle, thus facilitating the operation of the head beneath radiators and heavy articles of furniture standing close to the floor and which are not readily moved. Thus it will be seen that the mop is particularly adapted for dusting or wiping uncovered floors and other places which cannot be readily reached by an ordinary duster.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as shown.

Having thus described my invention, what I claim is;

A dusting mop comprising a yielding head supporting frame consisting of a plurality of twisted wire rods and bent to form a frame of the desired shape, said rods having their ends bent at right angles and twisted together to form a screw threaded shank, strands of material secured between the twisted rods of the head supporting

frame to form a reversible brush or mop, a flexible and expanding tapering socket formed from a single coiled wire rod, whereby internal screw threads are formed and adapted to receive the screw threaded shank of the frame at the reduced end of the socket, whereby the said end is adapted to be brought into binding contact with the yielding frame, and a handle having a reduced tapering screw threaded end for engagement with the screw threads of the opposite enlarged end of the socket.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

CHARLES W. FARNUM.

Witnesses:

WADLEIGH B. DRUMMOND,  
CHARLES M. DRUMMOND.