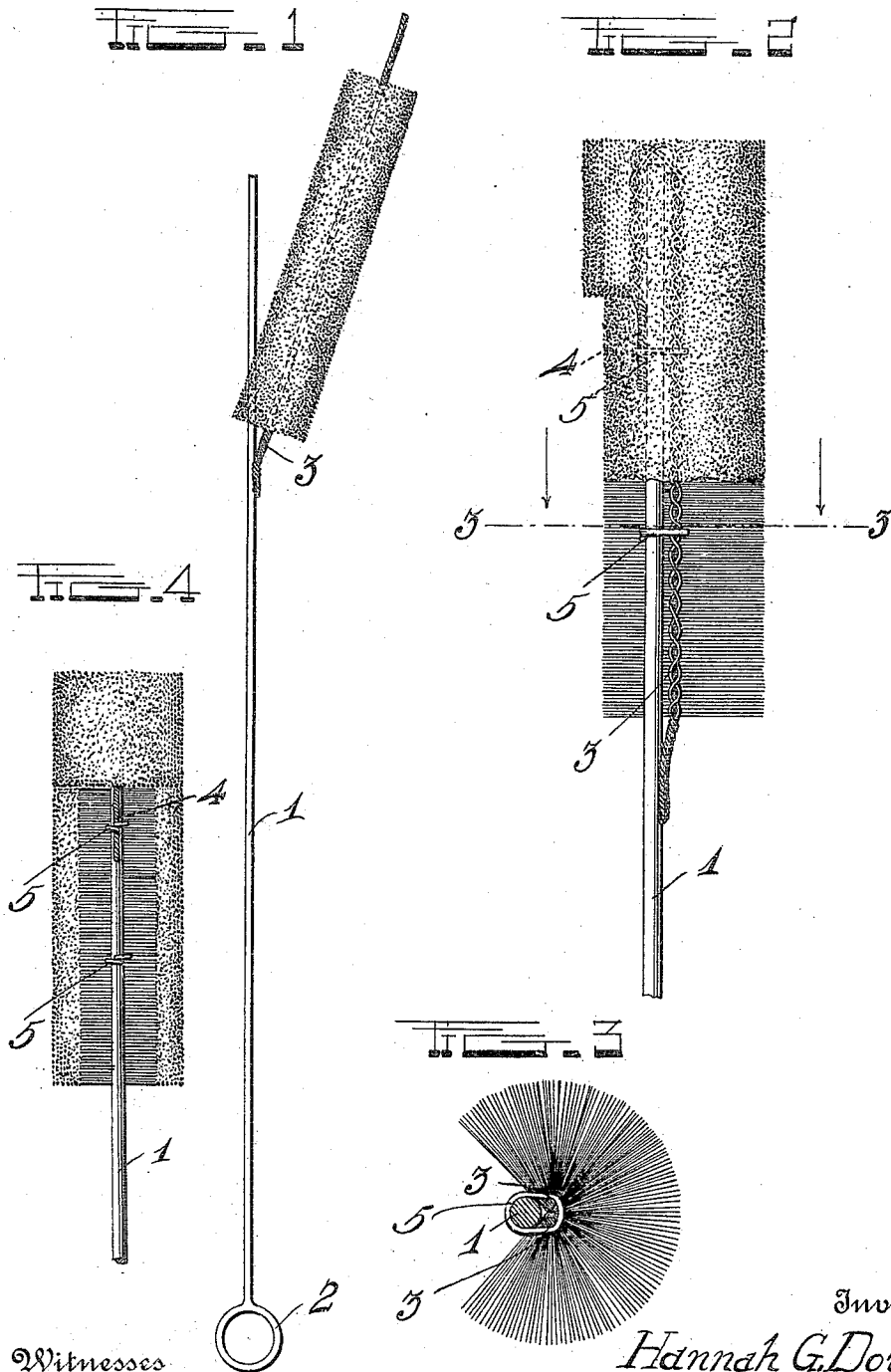


H. G. DOUGLASS.
 CLEANER FOR REFRIGERATOR DRAIN PIPES.
 APPLICATION FILED MAR. 14, 1910.

986,370.

Patented Mar. 7, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

HANNAH G. DOUGLASS, OF NEW ALBANY, INDIANA, ASSIGNOR OF ONE-HALF TO
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CLEANER FOR REFRIGERATOR DRAIN-PIPES.

986,370.

Specification of Letters Patent.

Patented Mar. 7, 1911.

Application filed March 14, 1910. Serial No. 549,172.

To all whom it may concern:

Be it known that I, HANNAH G. DOUGLASS, a citizen of the United States, residing at New Albany, in the county of Floyd and State of Indiana, have invented certain new and useful Improvements in Cleaners for Refrigerator Drain-Pipes; 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 an improved cleaning brush for refrigerator and other drain pipes.

The object of the invention is to provide a brush especially constructed to clean refrigerator drain pipes having drip cups at the end thereof.

With the above and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side elevation of the head of this improved brush with the bristle member thereof shown with the outer end disconnected before it is bent down. Fig. 2 is a similar view of the completed head. Fig. 3 is a transverse section taken on the line 3—3 of Fig. 2. Fig. 4 is a front elevation of the head.

In the embodiment illustrated, a handle member 1 is shown which may be of any desired or suitable length and composed of any suitable material, preferably of heavy wire having a loop 2 formed at one end to facilitate the operation of the device.

Secured to the other end of the handle member 1 is a bristle member 3, preferably composed of a twisted wire having bunches of bristles secured between the loops or twists thereof. This bristle-carrying member 3 is secured at one end to the handle 1 at any desired point, it being obvious that

the member 3 may be made of any length to furnish a brush having a head of the desired or requisite length for cleaning the pipe with which it is to be used. The other end 4 of this member 3 is bent over the free end of the handle member and is secured to said member by any suitable means, the body of the bristle member 3 being also secured by any suitable means to said handle 1. The bending of the member 3 around the end of the member 1 provides a rounded brush head which is especially adapted for cleaning drip cups carried at the end of the refrigerator or other drain pipe. The bristles of the head of this improved brush extend around about two thirds, more or less, of the member 1, as is shown clearly in Figs. 3 and 4, to provide a longitudinally extending space or groove 5 terminating near the outer end of the head.

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.

I claim as my invention:

A structure of the character described for cleaning pipes of refrigerators comprising an elongated straight handle with a loop on one end thereof, a bristle member comprised of twisted wire having bristles interwoven therebetween, said bristles being arranged to form a three quarter circle, said wire having one of its ends attached to the handle member at a point spaced from its free end and at the other end thereof bent around said free end and secured thereto, whereby a rounded brush head is provided at the free end of the handle member.

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

HANNAH G. DOUGLASS.

Witnesses:

CLAUDE N. DOUGLASS,
FLORA D. MEDLOCK.