M. VEECK.

BRUSH.

APPLICATION FILED SEPT. 5, 1918.

1,296,719.

Patented Mar. 11, 1919.

Fig. 1.

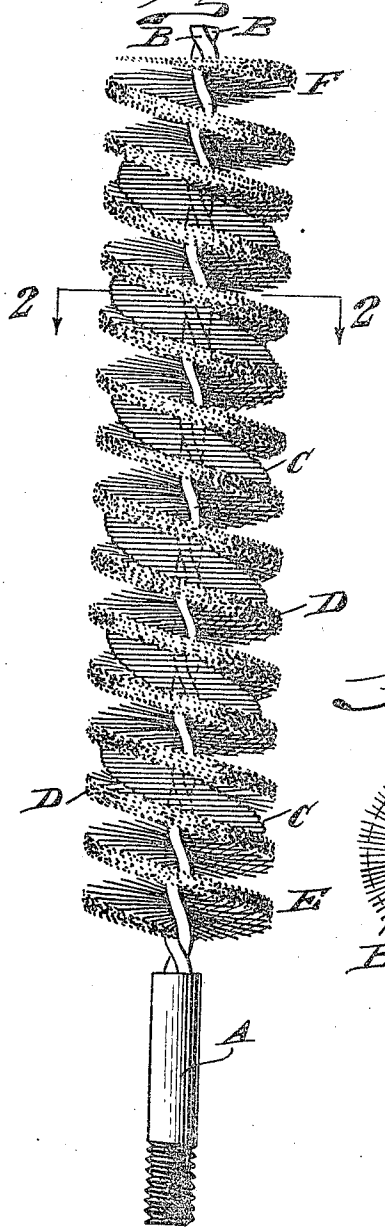


Fig. 2.

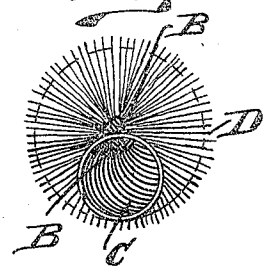
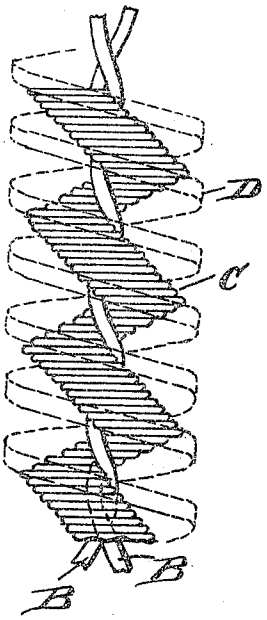


Fig. 3.



Witness

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UNITED STATES PATENT OFFICE.

MAX VEECK, OF LA FAYETTE, PENNSYLVANIA.

BRUSH.

1,296,719. Specification of Letters Patent. Patented Mar. 11, 1919.

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To all whom it may concern:

Be it known that I, MAX VEECK, a citizen of the United States of America, and resident of La Fayette, in the county of Montgomery and State of Pennsylvania, have invented a certain new and useful Improvement in Brushes, of which the following is a true and exact description, reference being had to the accompanying drawings, which form a part hereof.

My invention relates to the construction of brushes and has for its object to provide a coiled wire brush of great durability, and preferably of a composite character having its periphery made up in part of spirally twisted coiled wires and in part of bristle like material. The nature of my invention will be best understood as explained in connection with the drawing in which:—

Figure 1 is a side view of my improved brush in what I believe to be its best form.

Fig. 2 a cross section on the line 2—2 of Fig. 1, and

Fig. 3 a fragmentary view showing the twisted coiled wire in full lines and the bristles in dotted lines.

A is the handle of the brush to which are secured the wires B B, which are twisted together, as shown. C is a spirally coiled wire held between the wires B B, and twisted by them into the form of a spiral brush. Brushes formed in this way are well known, but are liable to breakage of the wire in use, particularly at the point where the wire is clamped between the wires B B. They are also particularly useful as scrapers for the insides of tubes, but are not as efficient in what I may call their sweeping action as are bristle brushes. In my new construction I provide a layer or ribbon of bristles or bristle like material, which I twist between the wires B B together with the spirally twisted wire so as to form a layer of bristles, such as D on one side of the coils of wire where they are held by the wires B B. This affords a cushion for the wire coils where they are held by the wires B B, and decreases the liability to breakage of the wire. By preference, the layer of bristle like material is slightly broader than the periphery of the wire brush, so that the ends of the bristles project slightly beyond the coiled wire as shown.

I have also found it desirable to form the ends E and F of my brush of bristles alone, as shown in Fig. 1.

Having now described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. A brush having a stem formed of twisted wires in combination with a coiled wire twisted into a spiral brush and held between the wires of the stem, and a layer of bristle like material also twisted into a spiral form and held between the twisted wires of the stem.

2. A brush having a stem formed of twisted wires in combination with a spirally coiled wire and a layer of bristle like material twisted and held between the wires of the stem, the bristles projecting from the stem to approximately the same distance as the coiled wire so as to form a composite wire and bristle brush.

3. A brush having a stem formed of twisted wires in combination with a spirally coiled wire and a layer of bristle like material held between the wires of the stem into the form of a composite wire and bristle brush, with the bristles extending peripherally beyond the edges of the coiled and twisted wire.

MAX VEECK.