J. W. McGill.

Brush.

No. 66,606. Patented Jul. 9, 1867.

Fig. 1.

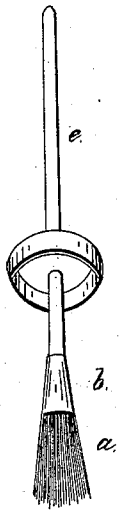


Fig. 2.

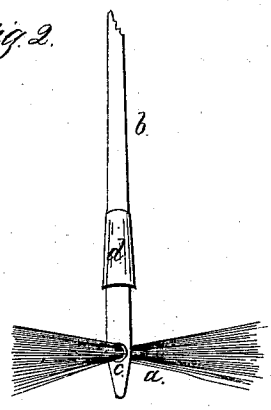


Fig. 3.



Fig. 6.

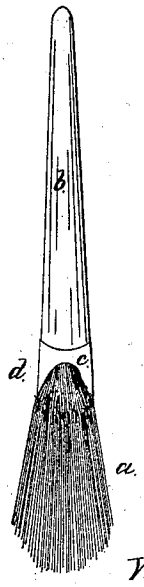


Fig. 4.

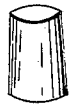


Fig. 5.

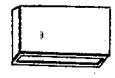


Fig. 7.

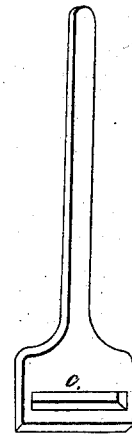
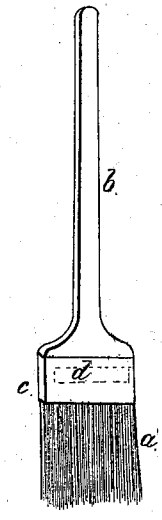


Fig. 8.



Witnesses;

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P. M. McGill.

Inventor;

John W. McGill.

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United States Patent Office.

JOHN W. McGILL, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 66,606, *dated July* 9, 1867.

IMPROVED BRUSH FOR MUCILAGE, PAINTING, GLUING, AND OTHER LIKE PURPOSES.

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, JOHN W. McGILL, of the city and county of Washington, in the District of Columbia, have invented a new and useful Mode of Making Brushes for Mucilage, Painting, Gluing, and other like purposes; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention consists in constructing a brush and its handle with a flat, oval, or round hole in one of its ends. Through this hole is run, for one-half their entire length, the hairs or bristles with which it is designed to make the brush. A neck or tube is then run down the handle over the hole, thereby doubling down both ends of the hairs or bristles, and bringing them into the proper perpendicular position below the end of the handle. This tube or neck is then secured, by one or more punctures being made through it, into the handle of the brush; or, if it is designed to make the brush flat, by that end of the tube which has passed over the hole and beyond the end of the handle being flattened, or by both means. The ends of the hairs or bristles are then trimmed to suit the maker, and the brush is finished.

This mode of making brushes obviates the necessity of tying the hairs or bristles to the handles of the brush, leaves it impossible for the hairs to come out, and thereby makes the brush far more durable than those made in the ordinary manner.

I will now proceed to describe the accompanying drawing.

Figure 1 is a finished view of a mucilage brush. *a* is the hair; *b*, the neck or tube; *c*, the handle.

Figure 2 is a sectional view of the brush. *a* is the hair; *b*, the handle; *c*, the hole in the handle through which the hair is half way driven; and *d* is the neck or tube which is run down the handle over the hole, for the purpose of doubling both ends of the hairs or bristles, and bringing them into the proper perpendicular position below the end of the handle *b*.

Figures 3, 4, and 5 are round and flat views of the neck or tube.

Figure 6 is a view of a paint brush. *a* is the hair; *b*, the handle; *c*, the hole in the handle for admitting the hair; *d*, the neck or tube.

Figure 7 is a view of the handle of a flat brush. *c* is the hole for admitting the hair.

Figure 8 is a view of a finished flat brush. *a* is the hair; *b*, the handle; *c*, the tube or neck; and the dotted lines *d* represent the hole through which the hairs have passed.

Claim.

What I claim as my invention, and desire to secure by Letters Patent, is—

A brush, made by running the hairs or bristles for one-half their entire length through the hole *c* in one end of the handle, then doubling down both ends of the hairs or bristles, and bringing them into their proper perpendicular position below the end of the handle, by running the neck or tube *d* down the handle over the hole *c*, for the purposes set forth and described.

JOHN W. McGILL.

Witnesses:

C. F. McGILL,

P. M. McGILL.