(No Model.)

J. I. HANSEN.

STIPPLING AND STENCILING BRUSH.

No. 438,808. Patented Oct. 21, 1890.

Fig. 1

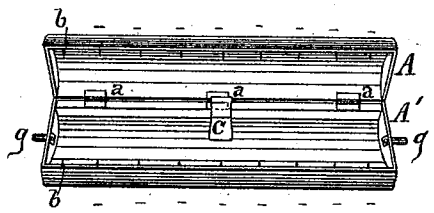


Fig. 2

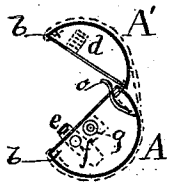


Fig. 3.

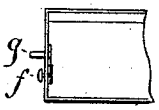


Fig. 4.

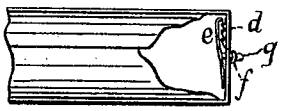


Fig. 5.

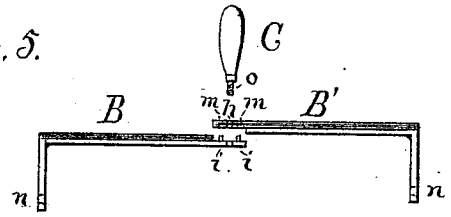
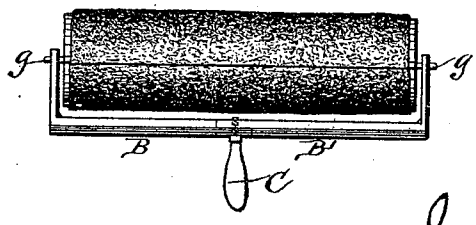


Fig. 6.



Witnesses:

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STIPPLING AND STENCILING BRUSH.

SPECIFICATION forming part of Letters Patent No. 438,808, dated October 21, 1890.

Application filed November 5, 1889. Serial No. 329,343. (No model.)

To all whom it may concern:

Be it known that I, JOHN I. HANSEN, a citizen of the United States, residing at the city of Portland, county of Multnomah, and State of Oregon, have invented a new and useful Stippling and Stenciling Brush, of which the following is a specification.

The object of my invention is to obtain a roller-like stippling and stenciling brush by the use of a cylinder, to the outer surface of which can be readily and securely attached a material like plush, so that the nap or shag of said plush will project outward as the hairs of a brush, and to afford a ready and easy means of removing said material and replacing the same by new material when desired. I attain these objects by the device hereinafter described, reference being had to the accompanying drawings.

Figure 1 is a perspective view of the hollow roller or cylinder. Fig. 2 is a transverse view of the same. Figs. 3 and 4 are sectional views of the same. Fig. 5 shows the handle in which revolves the roller, and Fig. 6 shows the whole of my invention ready for use.

The hollow roller or cylinder seen in Fig. 1 is constructed in two halves or parts A and A′, joined together by hinges *a*. On the inside of both ends of the lower part A of said roller are spring-clasps *e*, which catch in the ribs or cogs *d* on the inner sides of the upper part A′ of said roller, and by that means lock the two parts together. The upper and lower inner sides of both parts of the roller are provided with a row of pins *b*, to which are secured the ends of the piece of plush or other material. This is done while the cylinder is still open, as seen in Fig. 2, the dotted lines indicating the adjustment of the plush. The material having been secured in this manner to the pins *b*, Figs. 1 and 2, and stretched as tightly as possible while the roller is still open, with the nap or shaggy side thereof projecting outward, as mentioned, the two parts A A′ of the cylinder are pressed together, thus stretching the plush still more and causing the same to fit around the cylinder snugly. When thus adjusted, the cylinder may be closed, the spring-clasps *e*, Figs. 2 and 4, catching in the ribs or cogs *d* and so locking the cylinder, adapting themselves to the thickness of the material used, the ends of said material being firmly pressed between the two parts of the cylinder as aforesaid, and thereby held securely in place. The plush having been affixed, the handle in which revolves the cylinder (seen in Fig. 5) can be adjusted. This, as seen, is in two parts or sections, section B having two little pegs *i*, which fit in the holes *m* of section B′, the lower section B having a screw-hole *h*, in which screws the handle C, the axles *g* revolving in the bearings *n* of the arms of said handle.

The whole of my invention having been adjusted, as described, the same will be in the form as seen in Fig. 6, the material covering the cylinder uniformly and presenting a continuous seamless shaggy or brush-like surface. When it is desired to remove the covering, one has but to remove the handle and then to press on the little button *f*, attached to the spring-clasp *e*, so as to disengage the latter from the ribs or cogs *d*, whereupon the action of the spring *c* will throw the upper or cover part of the cylinder open, thus loosening the plush, which can then be removed and substituted by new material. The practicability of my invention for stippling work is obvious.

When using my invention for stenciling with several colors, I spread these colors across a slab or glass plate and feed my roller-brush on this, thus enabling me to carry the colors on the work desired to be painted in an even way, and to blend the same in a way more perfect than can be done by any other process or means.

My invention may be used, also, advantageously for paper-hanging, in which case a piece of cloth should be substituted for the plush.

I am aware that a roller or cylinder covered with some material has been used before for paper-hanging; but in all the forms in which I know this to have been done it was necessary that the material be secured on the roller by sewing the ends thereof together, which leaves a seam at the place where the same join and permits the material to slip from side to side in working, both serious objections; nor can the material be readily substituted, as in my invention.

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

1. A hollow stippling and stenciling brush

composed of two semi-cylindrical sections hinged longitudinally, each section provided with pins along the interior edge opposite the hinges for attaching a suitable covering thereto, an adjustable lock for securing the sections together, and a suitable handle embracing the cylinder, the parts being combined substantially as set forth.

2. A hollow stippling and stenciling brush composed of two semi-cylindrical sections hinged longitudinally, each section provided with pins along the interior of the edge opposite the hinges for attaching a suitable covering thereto, spring-clasps *e*, attached to the inner side of the ends of one section, and ribbed projections *d* on the inner side of the end of the other section co-operating with said clasps, means for releasing said clasps, and a suitable handle embracing the cylinder, the parts being combined substantially as set forth.

Dated at Portland, Oregon, October 29, 1889.

JOHN I. HANSEN.

Witnesses:
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T. J. GEISLER.