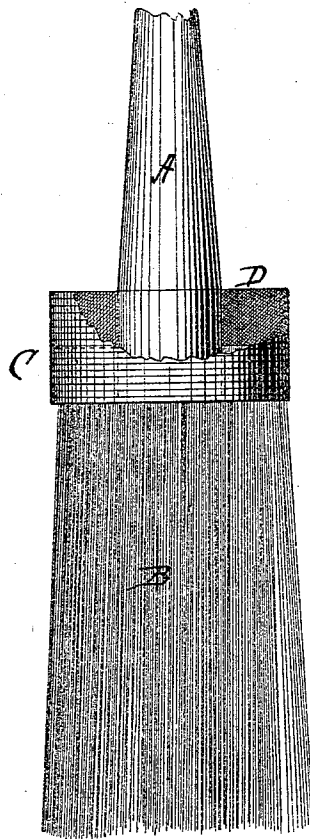


A. RANDOL.

Improvement in Paint and Varnish Brushes.

No. 123,293.

Patented Jan. 30, 1872.



Witnesses:

Henry N. Miller
C. L. Evert

Inventor

Alexander Randol
per Alexander Mason
Attorneys.

UNITED STATES PATENT OFFICE.

ALEXANDER RANDOL, OF PITTSBURG, PENNSYLVANIA, ASSIGNOR TO HIMSELF, ROBERT J. GRIER, AND WILLIAM KENNEDY, OF SAME PLACE.

IMPROVEMENT IN PAINT AND VARNISH BRUSHES.

Specification forming part of Letters Patent No. 123,293, dated January 30, 1872.

To all whom it may concern:

Be it known that I, ALEXANDER RANDOL, of Pittsburg, in the county of Allegheny and in the State of Pennsylvania, have invented certain new and useful Improvements in Composition for Filling Paint and Varnish Brushes; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in a filling for paint, varnish, or other brushes made of plastic material, said material not only being plastic when put in, but remaining always in that state, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which represents a paint-brush, partly in section.

A represents the handle; B, the bristles; C, the wire wrapping; and D, the filling of a paint, varnish, or other similar brush. The filling D is ordinarily made of some hard, brittle material, or of some soft material which hardens after it is put in. I propose to use for that purpose some material which is not only plastic when put in but always remains in that state, so that one or more nails may be driven into the same. Before using a brush a painter sometimes "bridles" it, so as

to spread it, and for this purpose a couple of nails may be driven into the filling so as to fasten the string or wire with which the brush is "bridled" to said nails. With a hard or brittle material this would not be possible, but by making the filling of some plastic material it can be done very readily.

Various materials or compositions may be used for this filling—for instance, a composition of one-third bees-wax or other fatty substance combined with two-thirds resin and as much saw-dust as this will absorb. This composition also gives the brush the appearance as if the bristles extended all the way up to the upper edge of the wire wrapping.

I do not wish to be understood as confining myself to the above composition, as any material of a plastic nature may be used.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As an article of manufacture, a paint or other brush, consisting of the bristles B secured to a handle, A, by the wrapping C extending above the top of the bristles, and forming a recess, D, filled with a permanently-plastic material, all as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 31st day of October, 1871.

ALEX. RANDOL.

Witnesses:

EDM. F. BROWN,
A. N. MARR.