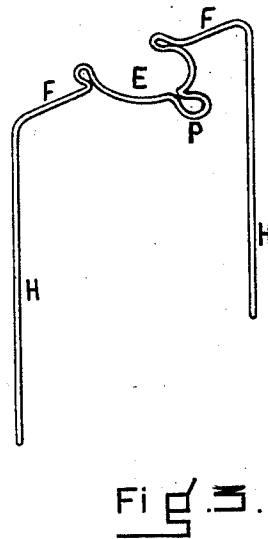
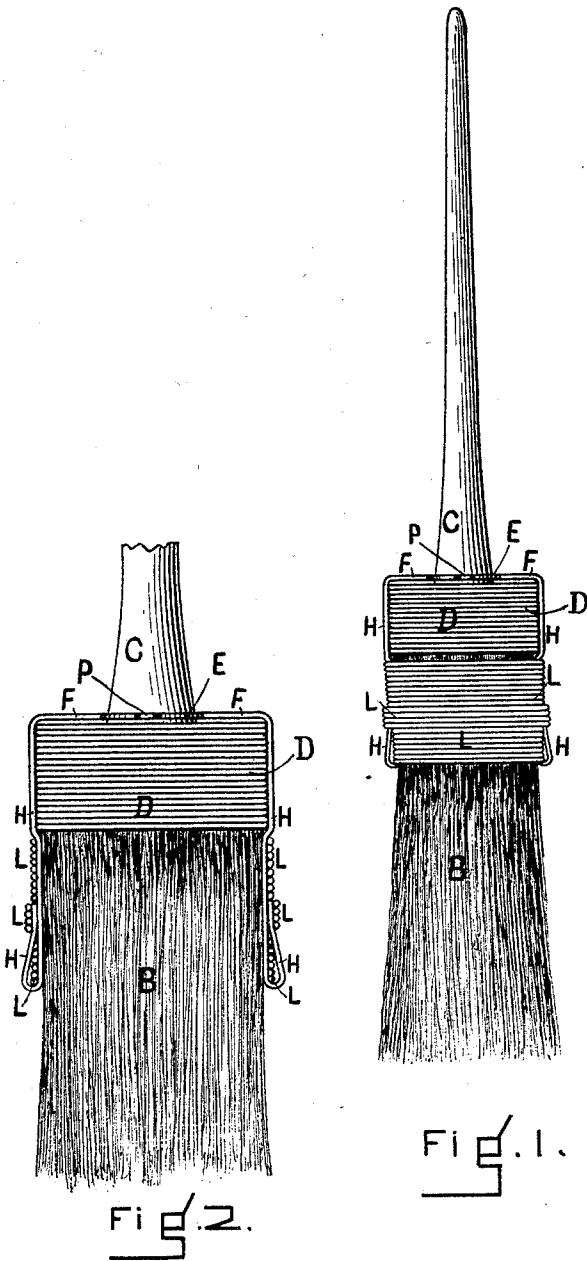


(No Model.)

T. W. FROST.
PAINT BRUSH BINDER.

No. 519,996.

Patented May 15, 1894.



WITNESSES

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THOMAS W. FROST, OF WAYLAND, MASSACHUSETTS.

PAINT-BRUSH BINDER.

SPECIFICATION forming part of Letters Patent No. 519,996, dated May 15, 1894.

Application filed August 18, 1893. Serial No. 483,495. (No model.)

To all whom it may concern:

Be it known that I, THOMAS W. FROST, of Wayland, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Paint-Brush Binders, of which the following is a specification.

The object of my invention is to provide a cheap, simple, convenient and durable binder for paint brushes, and it consists in the construction, combination and arrangement of the several parts of the holder and binder, as hereinafter more fully described and set forth in the claim.

The nature of my invention is such, that it may be applied to the long bristles of a new paint brush which has too much flexibility until it is partially worn off, and gradually removed as the brush is worn, so as to retain uniform elasticity.

Figure 1 represents a sectional elevation of a portion of a paint brush showing my invention applied thereto. Fig. 2 represents a side elevation of a paint brush with my invention applied thereon in position ready for use. Fig. 3 represents a perspective view of the holder removed, or separate from the brush, drawn on an enlarged scale.

A represents a paint brush of usual construction, the bristles B, of which are secured to the handle C, in the manner heretofore employed for the purpose. Now in order to render the long bristles B, of a new brush less flexible, or from bending too much when applied to actual use in painting, I apply the looped, or curved horizontal central portion E, of the wire holder, around the handle C, of the brush, (as shown,) from the opposite sides of which extend outwardly the horizontal portions F, to points corresponding to the diameter of the head portion of the said brush, whence they are bent downwardly, forming two vertical parallel prongs H, H, which extend in close proximity to the said bristles B, and are bent inward slightly so as to contact with the same. I now take a small twine, or cord, L, and place one end of the same beneath one of the said prongs H, at or near the lower edge of the head band D, and then wind the cord L, around the bristles B, and over the prongs H, of the holder, downwardly and in even turns, or coils around the

same, a suitable distance, sufficient to stiffen, or reinforce the bristles as much as desired to accomplish the object. I then draw the opposite end of the said cord or twine L, in beneath some of the lower coils, and then bend upward the ends of the said prongs H, and pass them beneath three or more of the coils of the said cord, as clearly shown, in Figs. 1 and 2. The brush is thus rendered less flexible until considerably worn away at the end, or when said bristles B, are so much worn as to become more rigid, or too stiff for rapid and easy working, I release the lower end portion of the said cord L, and remove from the wire prongs H, H, several coils of the cord and cut it off and then bend up the ends of the prongs shorter, and secure the free end of the cord as above described, or in any suitable manner.

When paint brushes have been used for painting and are to remain unused over night, or for several hours, it is customary and desirable to immerse the same in a pail, or bucket of water, and in order to retain the bristles in the best shape and condition for use when again required, it has been found necessary to suspend the brush when in the water, and for this purpose I provide the said semicircular spring loop portion E, with an eye, or small loop P, adapted to be placed over a small wire hook provided in the edge or top of the water pail, or bucket, and thereby hold the brush suspended in the water as long as may be desirable. By means of my invention I provide a simple binder and holder. It will be evident that the metal wire part of my said invention may be similarly constructed of thin sheet metal, instead of the bent wire part shown, and above described. It will be understood that the said eye or loop P, projects outward beyond the circumference of the said head band D, when placed in position on the brush and secured by the cord ready for use. I contemplate constructing several sizes of the said wire holders, adapted to the several sizes of brushes manufactured and now in general use, for painting, particularly round brushes used in house painting.

Although I have not shown or described such a holder and binder adapted to be ap-

plied to flat paint brushes, I contemplate such construction without departing from the essential features of my invention.

I am aware that brush and broom bridles
5 are old and well known and in common use, therefore I do not broadly claim such as are shown in the German patent to Becker, dated May 29, 1886, as it would not serve the purposes contemplated by my invention.

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

A paint brush binder and holder consisting of a bent wire having the curved spring E, loop P, and extensions F, provided with 15 prongs H, and adapted to receive and hold the binding cord L, in position therewith, substantially as shown and described, as and for the purposes set forth.

THOMAS W. FROST.

Witnesses:

SYLVENUS WALKER,
WILLIAM H. PARRY.