

S. Brillinger

Paint Brush

N^o 94,941.

Patented Sep. 21, 1869.

Fig: 1

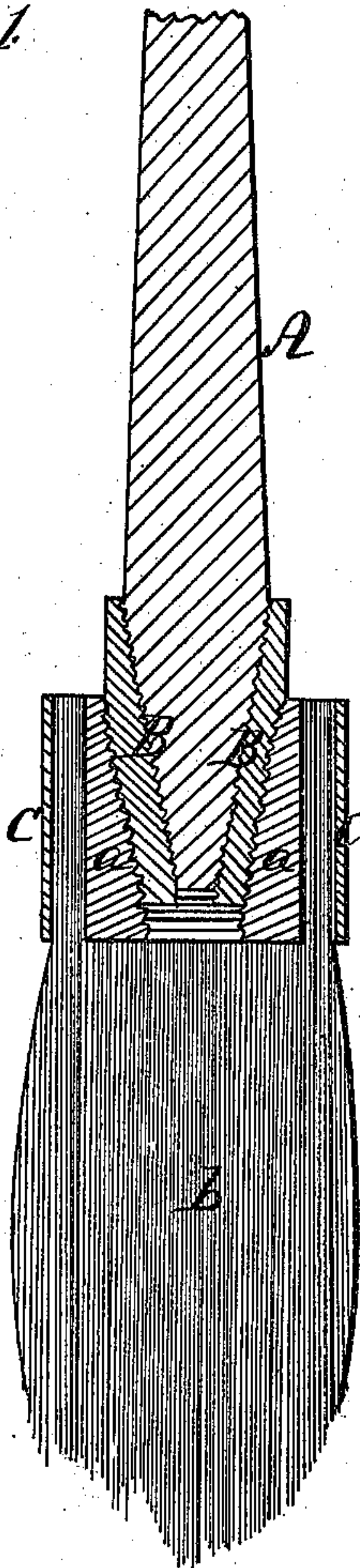
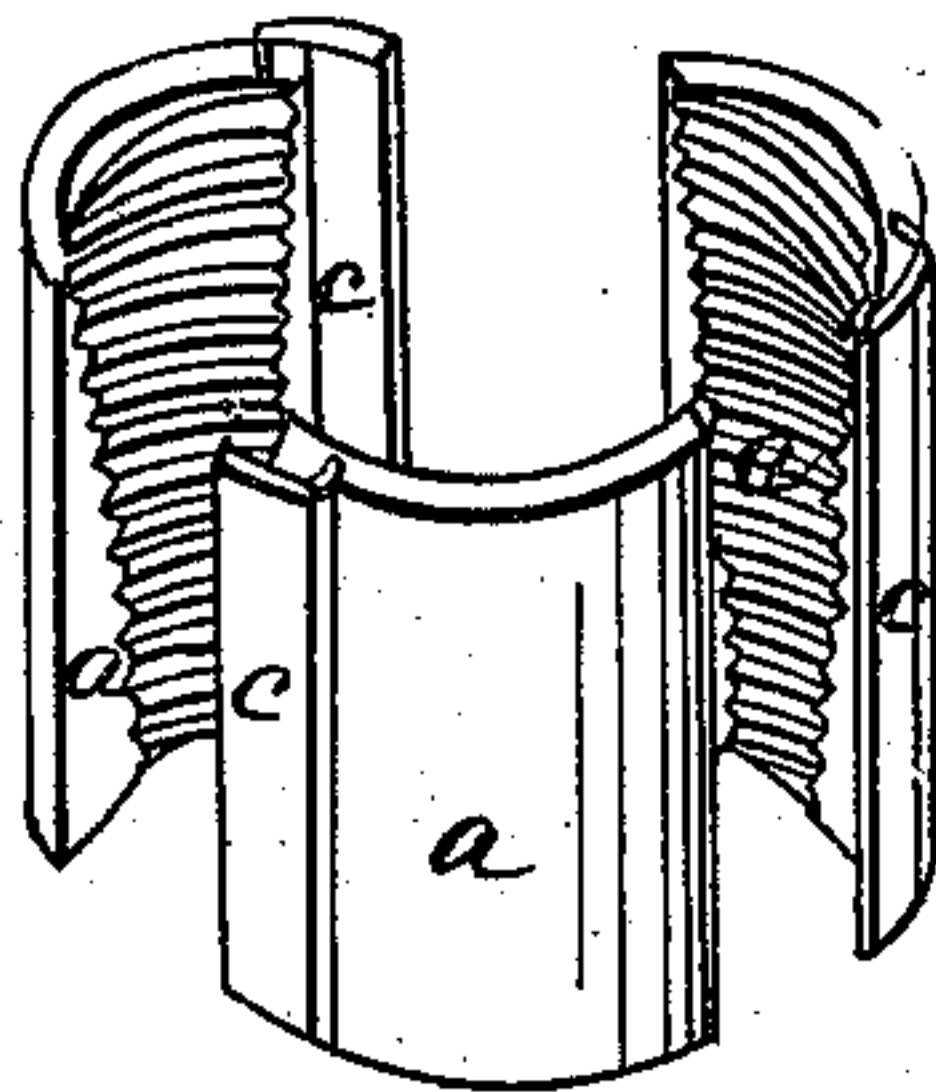


Fig: 2



Witnesses;
J. B. Drake
C. N. Woodward.

Inventor;
Samuel Brillinger
J. Fraser & Co
attys

United States Patent Office.

SAMUEL BRILLINGER, OF CLARENCE CENTRE, NEW YORK.

Letters Patent No. 94,941, dated September 21, 1869.

IMPROVED BRUSH.

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, SAMUEL BRILLINGER, of Clarence Centre, in the county of Erie, and State of New York, have invented a certain new and useful Improvement in Brushes; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a vertical section of the brush.

Figure 2 is a perspective view of the expanding-nut, with the defenders attached.

My invention is for the purpose of using and preserving the same handle and stock of a paint-brush, so that when one set of bristles is used up, another can be put in, and so on, without throwing away the whole thing, as is usual; and

It consists in providing a conical metal socket, into which a wooden handle is screwed, making the whole handle, and screwing this into a sectional nut, made conical within, between which and the outer metallic band are placed the bristles; also, in providing a series of defenders, to go over the interstices, to keep the bristles from entering.

In the drawings—

A represents the wooden handle, made pointed at its lower end, which screws into a cone-shaped metallic socket B, forming a circular wedge or cone, which makes part of the handle, and which screws into and forces outward the sectional nut *a a a*, surrounded by the bristles *b*, against the ordinary outer rim C.

To keep the bristles from getting into the spaces between the staves, when forced apart by the socket B, I place defenders, *c c*, over each space, bending one edge, and inserting it into a corresponding groove in each section of the nut, as clearly shown in fig. 2, the other part overlapping the next section, thus covering the space between.

Glue or cement can be used to hold the bristles together, as is usual in all brushes.

The novelty in this invention consists, essentially, in the employment of the conical screw B, entering directly the sectional nut *a a*, and expanding it to hold the bristles without the interposition or agency of any other device or cement whatever, thus using but two essential parts. By this means, it will be seen that it is only necessary to screw or unscrew the handle directly from the top, without projecting the cone down into the body of the brush below the cover.

I am aware, that in other brushes sectional staves have been expanded, by the turning down of the handle, as in Wm. H. Forker's patent, of November 5th, 1867; but in that case he has to project the screw down into the body of the brush, and has to employ,

in addition to the staves and the screw, a loose nut, making a third element, which not only renders the device expensive and difficult to keep in working-order, on account of the complicated interior construction, but renders it difficult to insert and remove the handle. By using the two parts, viz, the conical screw and the sectional nut, I remedy these difficulties, for the handle is simply screwed in and out at the top, and does not run down deep in the brush.

I am also aware that a conical-pointed handle has been long in use, for simply screwing down into the bristles, and expanding them against the encircling-band, by the action of the entering cone itself, below the top of the brush. In such case, as the sectional staves or nut is dispensed with, it is not the equivalent of my invention.

This simple screwing of the handle in at the top, thus expanding the nut to hold the bristles in place, puts the whole device in the best possible form for use, as the brush can be tightened or loosened at pleasure. The handle can be removed at any time, for any purpose, and the bristles can be replaced without removing and adjusting a complicated and troublesome interior arrangement. This is of great consequence, as, in ordinary use, the bristles wear out in a week or ten days.

To renew the bristles, all that is necessary, is to unscrew the handle, remove the sectional nut, and the bristles will drop out. Its most important feature, I consider, is allowing the bristles to be renewed at will.

My device is entirely for the purpose of saving an unnecessary expense.

I do not claim, either, an entering-cone or expanding staves, in themselves alone, as I am aware that both have been before employed, but none arranged and operating like mine, forming part of the handle; but

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

1. The combination and arrangement of the conical screw B, and expanding-nut *a a*, as herein described, the said screw screwing directly into the sectional nut, without the interposition or agency of other parts, as specified.

2. In combination with the sectional nut *a a*, the defenders *c c*, arranged as described, and operating in the manner and for the purpose specified.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses.

SAMUEL BRILLINGER.

Witnesses:

C. N. WOODWARD,
J. R. DRAKE.