

(No Model.)

H. BINTZ.  
CALCIMINING AND WALL BRUSH.

No. 307,519.

Patented Nov. 4, 1884.

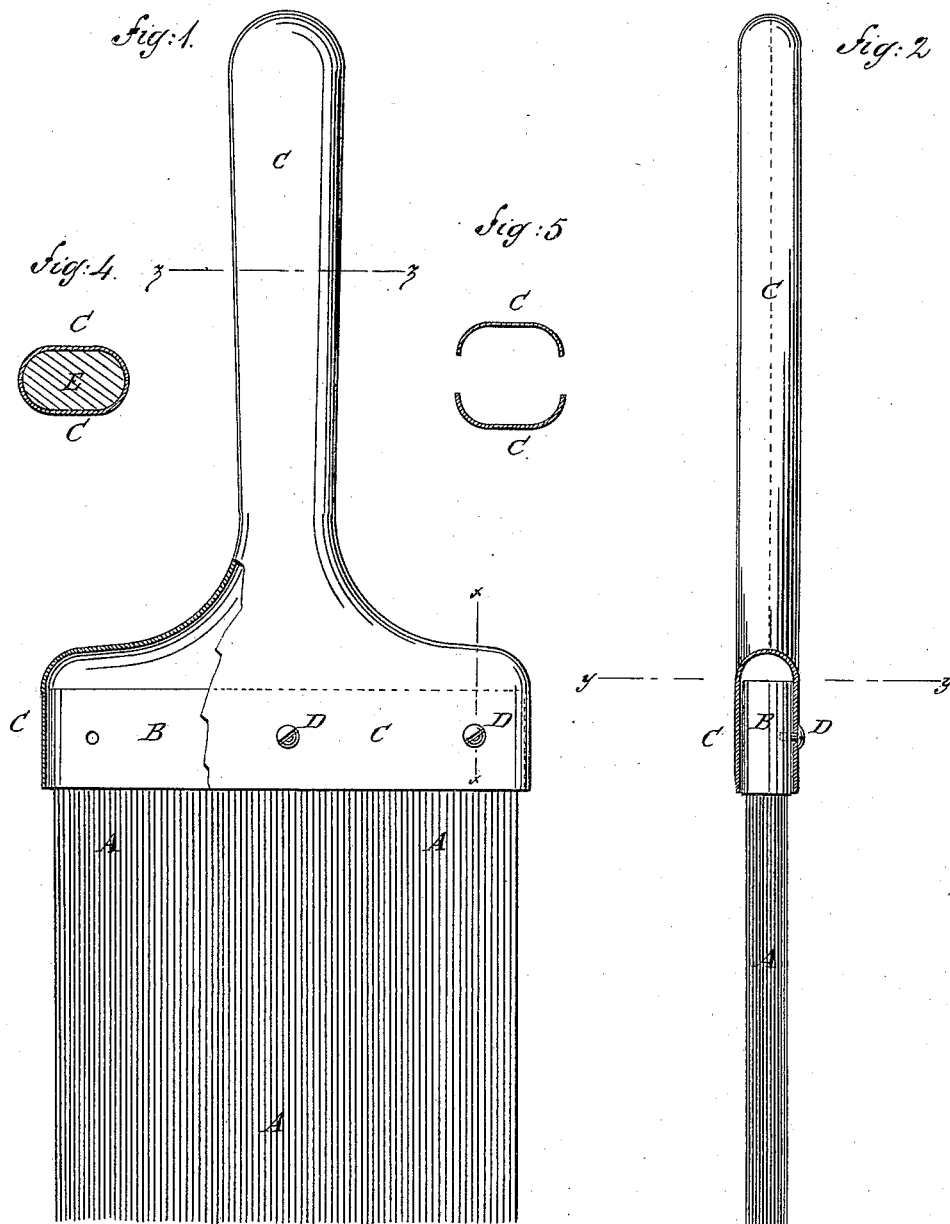


Fig. 3.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY BINTZ, OF NEW YORK, N. Y.

## CALCIMINING AND WALL BRUSH.

SPECIFICATION forming part of Letters Patent No. 307,519, dated November 4, 1884.

Application filed October 23, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY BINTZ, of the city, county, and State of New York, have invented a new and useful Improvement in Calcimining and Wall Brushes, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of my improved brushes, partly in section. Fig. 2 is an edge elevation of the same, partly in section, through the line *x x*, Fig. 1. Fig. 3 is a sectional plan view of the same, taken through the line *y y*, Fig. 2. Fig. 4 is a cross-section of the handle, taken through the line *z z*, Fig. 1. Fig. 5 is the same section as Fig. 4, but showing the parts before they are joined together.

The object of this invention is to facilitate the manufacture of calcimining and wall brushes, and also to promote convenience in renewing the bristles when worn out.

The invention consists in the construction and arrangement of parts, as will be hereinafter fully described and specifically set forth in the claim.

A represents the bristles of the brush, the butts of which are inserted and glued in a sheet-metal band, B, forming the head of the brush.

C is the handle, the lower end of which is enlarged or widened to form the body portion C' to receive the head A B. The handle C is made of two pieces of sheet metal struck up into the desired form, so as when the edges of the two parts are soldered together to form a hollow handle open at its widened lower end, C', to receive the brush-head A B, which is secured in place by screws D, passing through the body portion C' of the handle C and screwing into the band B.

The interior of the hollow handle C is filled with plaster-of-paris E or other suitable material before the brush-head has been inserted in

it, to keep the shell of the handle from being readily bent or dented.

With this construction, when the bristles A become worn, the screws D can be taken out and the brush-head removed from the handle and replaced with a new head, so that the brushes can be cheaply made and can be renewed at the expense of a new head without its being necessary to go to the expense of a new handle every time the bristles wear out.

I am aware that door-knobs and whip-handles have been formed of two pieces of struck-up sheet metal joined at their edges and provided with a composition filling; also, that the "head or body" of the brush has been cut out of sheet metal and folded into shape, the lower part of one of the sides of head being folded under the open end of said head and perforated to allow of bristles being passed there-through. Two strips were placed on the inner edges of the body portion, and screws passing through the body portion and strips were secured by nuts on the opposite sides of the head. A socket for the handle was secured to said body portion by rivets; also, that other forms of brushes have been provided with a body portion and handle made of separate pieces; and I do not claim, broadly, any of said constructions as of my invention.

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

As a new article of manufacture, a brush consisting of the head A B, a sheet-metal handle, C, and its body portion C', within which body portion said head is removably secured, the said handle C and its body portion C' being struck up in halves from sheet metal and joined at their side and top edges, as shown, and a filling, E, in the handle portion C, substantially as set forth.

HENRY BINTZ.

Witnesses:

JAMES T. GRAHAM,  
EDGAR TATE.