

(No Model)

L. D. GOULD.
PAINT BRUSH.

No. 416,596.

Patented Dec. 3, 1889.

Fig. 1.

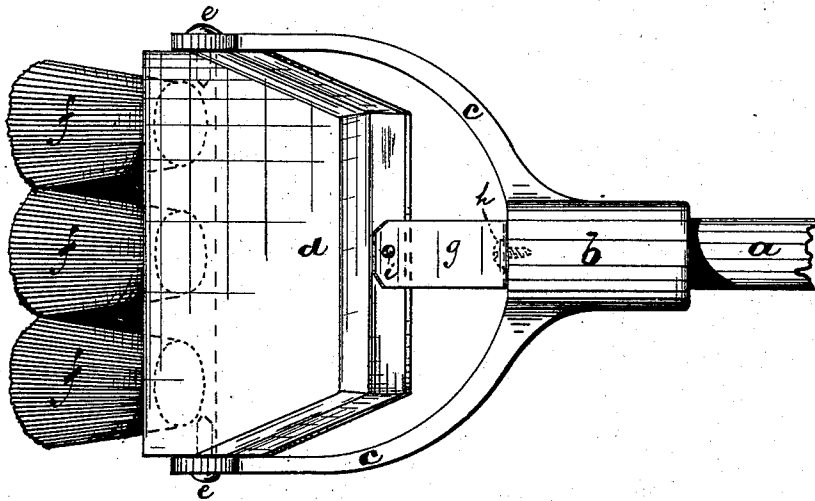
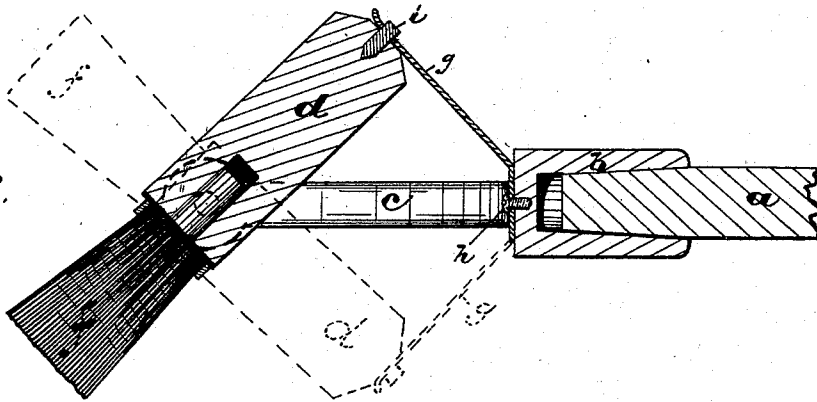


Fig. 2.



WITNESSES:

Alfred Gartner
E. C. Sherman

INVENTOR:

Lucius D. Gould,

BY *Drake & Co.* ATTY'S.

UNITED STATES PATENT OFFICE.

LUCIUS D. GOULD, OF NEWARK, NEW JERSEY.

PAINT-BRUSH.

SPECIFICATION forming part of Letters Patent No. 416,596, dated December 3, 1889.

Application filed August 14, 1889. Serial No. 320,763. (No model.)

To all whom it may concern:

Be it known that I, LUCIUS D. GOULD, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Paint-Brushes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to increase the durability of paint-brushes, particularly those which are commonly employed in covering large surfaces—such as the roofs of buildings—with paint, tar, &c.

The invention consists in the improved brush and in the arrangements and combinations of parts thereof, substantially as will be hereinafter set forth and finally embodied in the clauses of the claim.

Referring to the accompanying drawings, in which like letters indicate corresponding parts in each of the several figures, Figure 1 is a top plan view of the improved device; and Fig. 2 is a central longitudinal section of the same, showing the two positions of the brush in its holder.

In said drawings, *a* indicates an ordinary brush-handle, which is preferably of sufficient length to allow of the brush being used by the painter as he stands on the roof.

b indicates a ferrule of said handle, adapted to receive the pole portion thereof, and provided with forked arms *c c*. At the extremities said arms are slightly enlarged and are perforated to receive the pivotal pins or screws *e e*, for holding the brush-block *d* in position between the arms. Said block *d* provides suitable bearings or acts as a base for the brushes *f f*, which are firmly fixed thereto in any suitable manner.

Heretofore in brushes for roof-painting purposes, where a long handle has been arranged at an angle to a broad collection of bristles, the said handle has ordinarily been fixed in its relation to the block or stock. Thus the wear on the bristles has been brought on one side, so that at that side the bristles soon become shorter than those of the opposite side,

and thus the brush, because of the unequal wear, becomes unserviceable before half of the bristles are fairly worn away.

By my improvements I am enabled to easily and quickly reverse the relation of the brush to the handle, so that the wear which before came more directly at one side of the brush can be diffused over the whole of the brush by making the changes from time to time in the relation of said brush to the handle, the bristles thus wearing away evenly, and the durability of the brush being greatly increased.

To secure the desired results at a limited expense of construction, to avoid expensive and complex mechanisms, and to enable the changes to be made at the least expense of time and labor, I have arranged the block *d* between the arms *c c* on pivotal bearings, as above indicated, so that it may be turned pivotally from the position shown in full line to the position shown in outline in Fig. 2. To hold the said block in either of its two positions, I have provided a brace *g*, which serves the double purpose of bracing the block and holding it in its inclined positions and as a spring-catch by which the said block may be caught and fastened in a stationary relation to the handle or released from such relation with facility and ease. When said brace is in the form of a spring-catch, it is adapted to spring into holding relation to a pin or lug *i* on the upper edge of the pivotal block. Said brace or holder is pivoted to the end of the ferrule, as at *h*, so that after the end of the said brace has been raised from the pin *i* said brace may be turned on said pivot and be brought into position to again engage said pin after the block has been brought to its second position.

In operating to reverse the position of the brush, the holding-brace is simply raised from the pin, both the block *d* and brace are turned on their respective pivots to the second positions indicated, and the brace and pin again brought into holding engagement, when the brush is ready to be used.

I am aware that in English Patent No. 10,374 of 1844 a pivoted brush is shown, said brush being so arranged in relation to the handle that the inclination of the brush to the handle may be varied. In my improvement I

reverse the brush, so that its bristles point toward the opposite side of the handle from that to which they pointed when lying in their former position. The brush is therefore
5 reversible as distinguished from being only adjustable, and by its being reversible the advantages above described are secured.

Having thus described the invention, what I claim as new is—

10 1. In combination, the handle having arms *c c*, a block *d*, pivoted between said arms and provided with a pin or lug, and a pivoted spring-brace, substantially as and for the purposes set forth.

15 2. The improved paint-brush herein described, combining with a handle reversible in inclination with respect to the stock, said

stock carrying the bristles, a brace extending from the handle to the stock for holding the said handle in either of the opposite inclina- 20 tions, substantially as set forth.

3. The improved brush herein described, combining with a handle a ferrule *b*, having arms *c c*, a block *d*, reversibly arranged be- 25 tween said arms, and a brace *g*, extending between the upper part of said block to said ferrule and bristles, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 3d day of August, 1889.

LUCIUS D. GOULD.

Witnesses:

CHARLES H. PELL,
MINNIE D. GOULD.