No. 730,012. PATENTED JUNE 2, 1903.

E. T. GILBERT.

POLISHER.

APPLICATION FILED MAY 6, 1902.

NO MODEL.

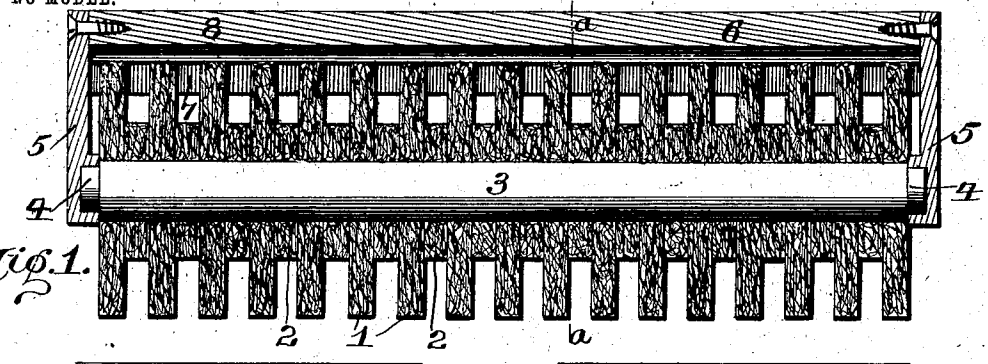


Fig. 1.

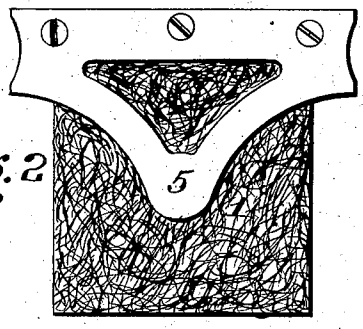


Fig. 2.

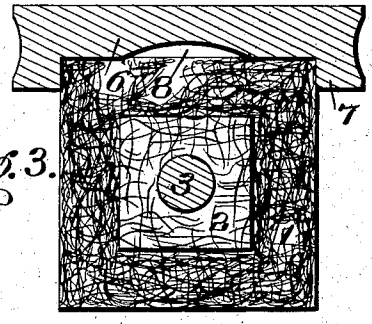


Fig. 3.

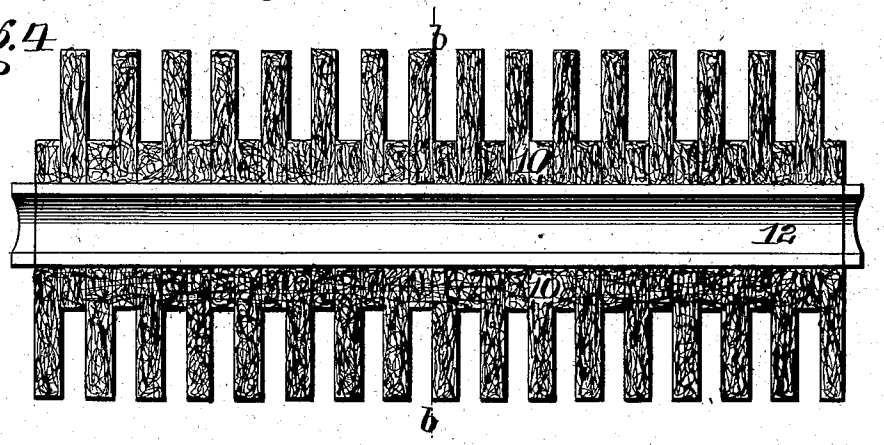


Fig. 4.

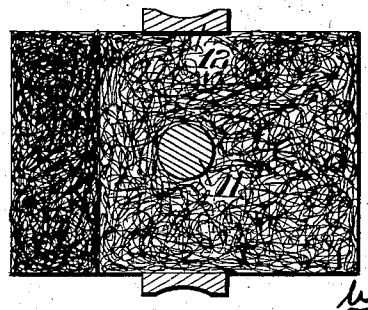


Fig. 5.

Witnesses.

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No. 730,012. Patented June 2, 1903.

UNITED STATES PATENT OFFICE.

EDGAR T. GILBERT, OF ROCHESTER, NEW YORK, ASSIGNOR TO E. T. GILBERT MANUFACTURING COMPANY, OF ROCHESTER, NEW YORK, A CORPORATION OF NEW YORK.

POLISHER.

SPECIFICATION forming part of Letters Patent No. 730,012, dated June 2, 1903.

Application filed May 6, 1902. Serial No. 106,128. (No model.)

To all whom it may concern:

Be it known that I, EDGAR T. GILBERT, of Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Polishers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and to the reference-numerals marked thereon.

My present invention has for its object to provide a polishing-brush that will be simple and economical in construction and which embodies a holder and a brush portion thereon having a plurality of polishing-surfaces, permitting the device to be used with one or more cleaning or polishing compounds or which may be operated to bring a new surface into operative position when one becomes worn or soiled.

To these and other ends the invention consists in certain improvements hereinafter fully described and the novel features being pointed out in the claims at the end of this specification.

In the drawings, Figure 1 is a longitudinal sectional view of a polishing-brush constructed in accordance with my invention. Fig. 2 is an end view thereof. Fig. 3 is a cross-sectional view on the line *a a* of Fig. 1. Fig. 4 is a side elevation of a modification of my invention, and Fig. 5 is a cross-sectional view thereof on the line *b b* of Fig. 4.

Similar reference-numerals in the several figures indicate similar parts.

Brushes constructed in accordance with my invention are capable of being employed in any of the various uses to which such devices are subjected, and they are particularly adapted for polishing boots and shoes and for use in connection with the paste or wax compounds frequently used for producing smooth and lustrous surfaces. The brush is composed of a series of pieces of felt or similar resilient and more or less fibrous material (indicated by 1) provided with central apertures, and between said pieces are arranged washers or filling-pieces 2, also provided with apertures. Extending through the apertures and longitudinally of the brush is a rod or support 3, provided at its ends with journals 4, supported in brackets 5, mounted upon the end of the back portion or handle 6. The several pieces composing the brush are preferably rigidly secured together by the use of glue or cement, forming a solid block, and this latter is preferably glued or cemented to the rod or support 3. The pieces 1 are preferably rectangular in outline, thereby providing the block with a number of faces or polishing surfaces, and the support is so arranged that one of the faces of the brush will engage the lower side of the handle 6, and the latter is provided at its edges with small rims or flanges 7, extending over the sides of the block. When it is desired to bring a new surface into operative position, the operator revolves the brush, and the pieces 1 being composed of flexible material allow their corners to be crowded down sufficiently to pass beneath the handle, and a portion (indicated by 8) at the center of the latter is removed to afford a larger space, in which the corners of the pieces 1 may pass as the brush is revolved.

Polishing-brushes constructed as described possess advantageous features in that one surface may be used in drying the polishing compound when it is first applied and the second surface may be immediately revolved into position and the polishing operation completed with a dry surface. This arrangement greatly facilitates the polishing operation, as otherwise the operator is required to wait until the brush has dried either by exposure to the atmosphere or by friction from the rubbing operation. Furthermore, if it is desired a brush provided with a plurality of faces, as shown, those upon opposite sides may be used to apply two different kinds or varieties of polishing compounds and the intermediate surfaces used for drying and polishing the same, as will be readily understood.

In Figs. 4 and 5 I have shown a modification of my device in which the brush is composed of a series of felt pieces 10, which are

overlapped at their inner edges, so that the outer edges of the alternate pieces project at opposite sides of the brush and are separated, as shown in Fig. 4. These pieces are also glued or cemented together to form a block through which extends a central aperture adapted to receive a bar or rod 11. The brush is surrounded by a frame 12, the ends of which are secured in any suitable manner to the rod 11, and the latter not only forms a convenient means for securing the frame to the brush, but also supports the latter at the middle, preventing the block from being displaced in the frame.

Brushes constructed in accordance with my invention which I have shown and described may be composed of small pieces of material, which makes the construction one that is simple and inexpensive and provides a polisher that is capable of being employed for different purposes, and the block being composed of flexible pieces and having one of its faces engaging the lower side of the handle securely holds the opposite face in the operative position.

I claim as my invention—

1. The combination with a handle, a revoluble support extending at one side of the latter and brackets attached to the handle and engaging said supports, of a brush mounted on the support having a plurality of rubbing-surfaces arranged angularly to each other adapted to engage the handle to secure the brush with one of its surfaces in operative position.

2. The combination with a handle, and a support extending at one side of the latter and connected rigidly thereto, of a brush mounted on the support having a series of surfaces arranged at an angle to each other and composed of flexible material and adapted to engage the handle to normally prevent its rotation thereon.

3. In a brush, the combination with a plurality of angular pieces of flexible material provided with apertures, and a support extending through the apertures and secured to said pieces to hold their edges in alinement, of a handle engaging the edges of the pieces at one side of the support and rigid brackets on the handle in which the support is revolubly mounted.

4. In a brush, the combination with a plurality of angular pieces of flexible material, a support secured to said pieces to hold their edges in alinement and projecting beyond the ends of the brush, and filling-pieces arranged between the flexible pieces to separate the latter at their edges, of a handle engaging the edges of the pieces at one side of the support, and rigid brackets on the ends of the handle engaging the ends of the support.

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Witnesses:
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