No. 714,460. Patented Nov. 25, 1902.

R. R. DEBACHER.

HANDLE FOR TOILET ARTICLES.

(Application filed May 24, 1902.)

(No Model.)

Fig: 1.

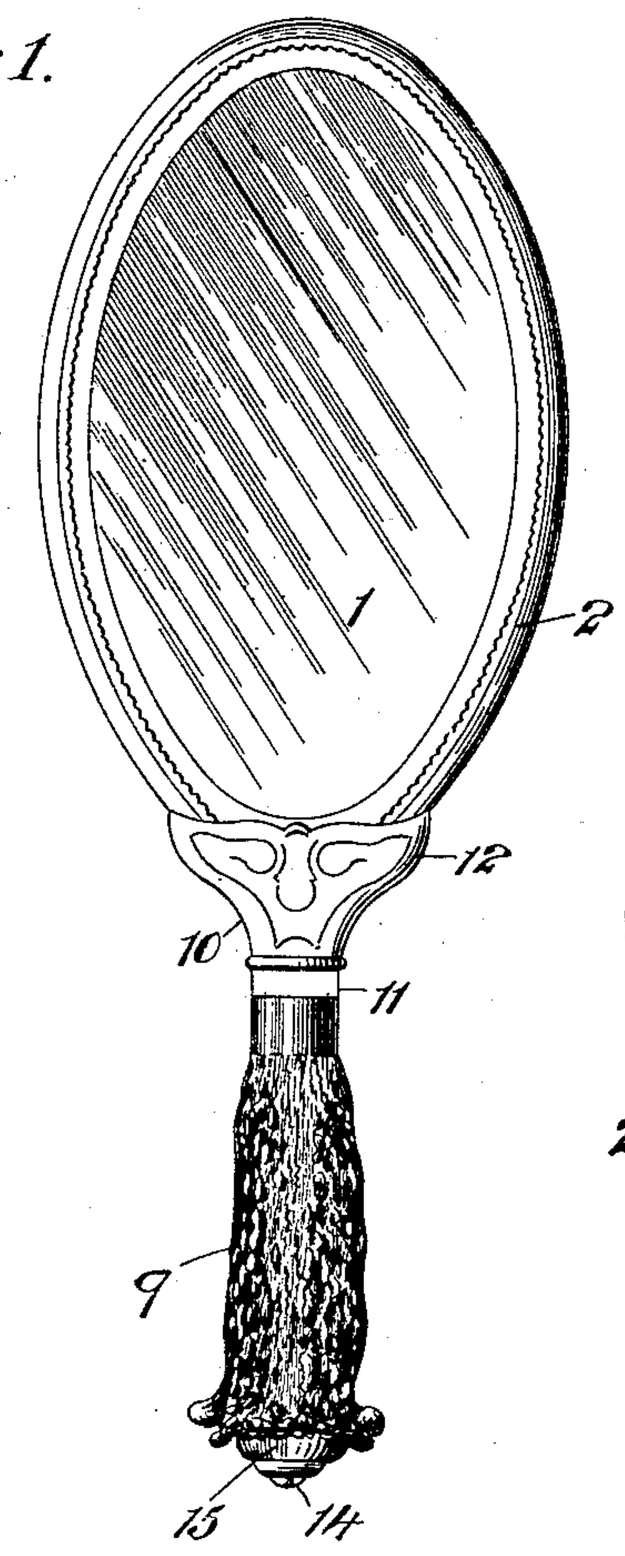


Fig: 2.

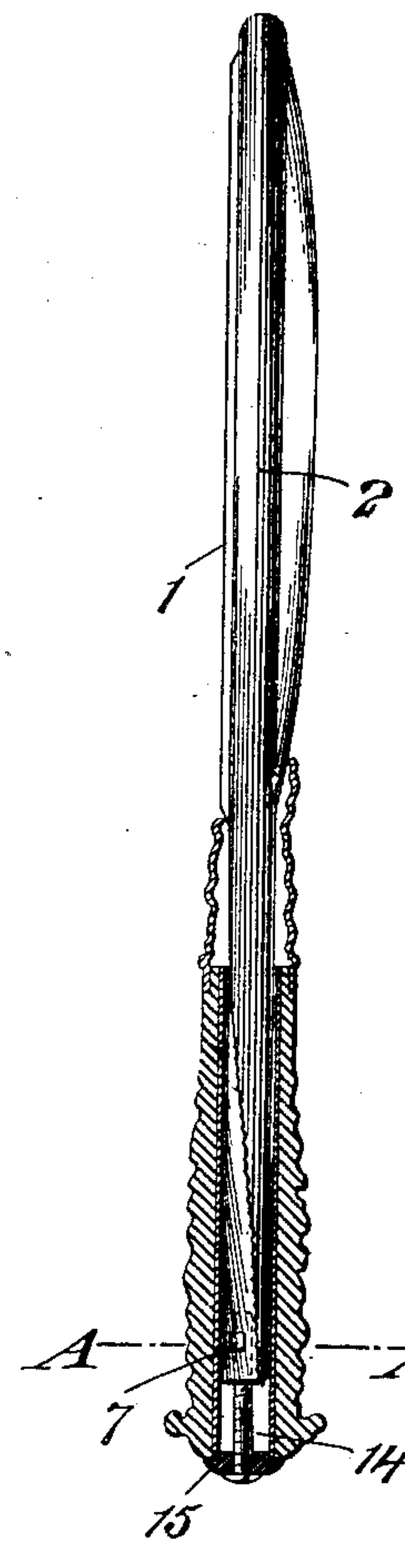


Fig: 3.

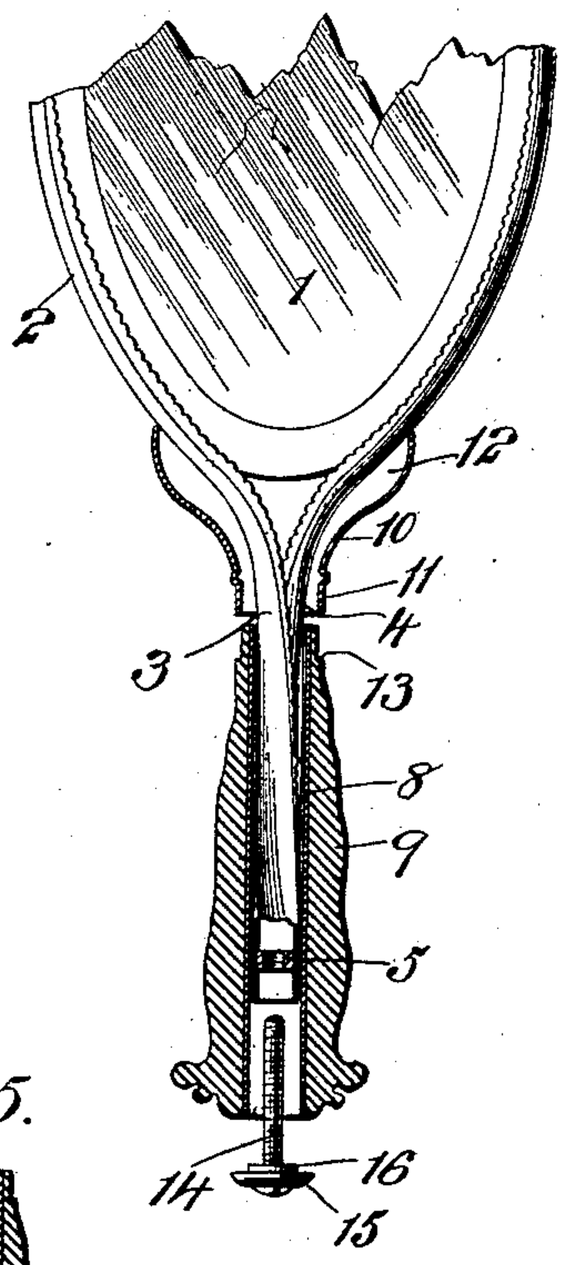


Fig: 4.

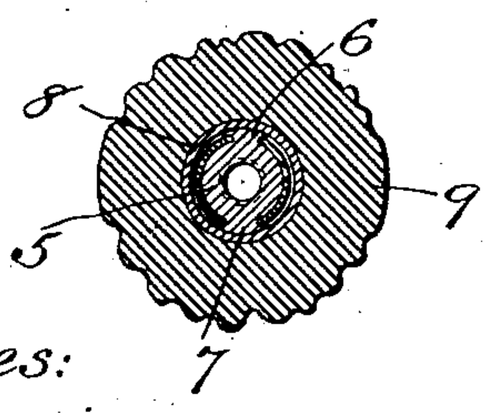
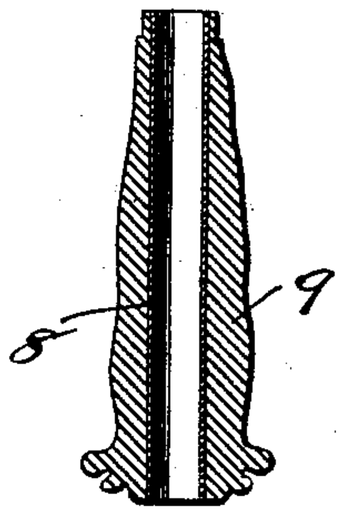


Fig: 5.



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UNITED STATES PATENT OFFICE.

ROBERT R. DEBACHER, OF NEW YORK, N. Y.

HANDLE FOR TOILET ARTICLES.

SPECIFICATION forming part of Letters Patent No. 714,460, dated November 25, 1902.

Application filed May 24, 1902. Serial No. 108,753. (No model.)

To all whom it may concern:

Be it known that I, ROBERT R. DEBACHER, a citizen of the United States, and a resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Improvement in Handles for Toilet Articles, of which the following is a specification.

My invention relates to an improvement in handles for toilet articles—such, for instance, as mirrors, brushes, and the like—which will be very strong and durable and which comprises a band for embracing the article, a grip or hand portion, a ferrule interposed between the article and the grip or hand portion, and a single fastening-screw for securing the parts in their assembled arrangement.

A further object is to provide a grip or hand portion for use in connection with the parts above enumerated which will comprise an outer portion molded around a metallic tubular core, which core serves to strengthen the hand portion and also serves to receive interlocked branches of the band which embraces the article and the fastening-screw.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents a face view of a hand-mirror with my improved handle applied thereto. Fig. 2 is an edge view of the same with the ferrule, the grip or hand portion, and the washer carried by the fastening-screw shown in section. Fig. 3 is a partial face view with the parts separated from each other, the ferrule and the grip or hand portion being shown in section and a portion of one of the branches of the metallic band being broken away to show the nut for engaging the fastening-screw. Fig. 4 is an enlarged cross-sectional view in the plane of the line A A of Fig. 2, showing the manner of securing the nut and ends of the branches of the metallic band together; and Fig. 5 is a vertical central section through the grip or hand portion of the handle.

In the present instance I have represented the handle as applied to a mirror. The mirror is denoted by 1 and is herein represented as of oval form. A single strip of metal is bent to form a metallic band having a loop portion 2, which embraces the edge of the mirror, and two branches 3 and 4, which are twisted together, as shown, for strengthening the same. The twisting together of the branches 3 and 4 serves to form a tube. Within the outer end of the tube thus formed I locate a nut 5, which is riveted, as shown at 6 and 7, to the branches 3 and 4, thus serving to secure the ends of the branches rigidly together.

The grip or hand portion of the handle comprises an inner metallic tubular core 8 and an outer portion 9 of some suitable composition, which may be molded around the tubular core and shaped to form an attractive exterior of any desired form.

I provide a hollow metallic ferrule 10, which is interposed between the grip or hand portion of the handle and the article, which ferrule is provided with a small cylindrical end 11, fitted to embrace the adjacent end of the grip or hand portion, and an enlarged mouth portion 12, fitted to extend upwardly along the bases of the branches 3 and 4 of the band at the adjacent end of the article embraced by the looped portion 2 of the band.

The molded outer portion 9 of the grip or hand portion of the handle is provided with an annular shoulder 13, spaced a short distance from the end adjacent to the ferrule 10, against which the cylindrical portion 4 of the ferrule abuts when the parts are assembled.

The fastening-screw is denoted by 14, and it is provided with a washer 15, fitted to engage the outer open end of the grip or hand portion of the handle as the screw 14 is screwed into the nut 5 in the outer ends of the branches 3 and 4 of the band. To prevent all lateral movement of the screw, the washer 15 is provided with a reduced cylindrical portion 16, arranged to fit the bore of the tubular core 8 when the parts are assembled.

The parts are assembled by first placing the mirror or other article to which the handle is to be applied within the looped portion 2 of the metallic band. The ferrule 10 is then slipped on over the tube formed by the branches 3 and 4 of the band. The grip or hand portion of the handle is then slid over the branches 3 and 4 of the band, and the fastening-screw 14 is then inserted through the outer end of the grip or hand portion into engagement with the nut 5. As the screw is

forced home the ferrule will be slipped over the adjacent end of the grip or hand portion and also brought snugly into engagement with the metallic band at the base of the branches. It will thus be seen that the several parts are assembled by the use of a single securing device.

The small cylindrical end 4 of the ferrule 10 is forced over the end of the grip or hand portion of the handle against the annular shoulder 13, thus preventing the chipping of the end of the handle and also serving to strengthen the handle at the point where the greatest strain is imposed.

By twisting the branches 3 and 4 of the band together to form a tube and inserting them within the tubular core 8 of the handle I am enabled to produce a handle of very great strength, even where a molded hand portion is provided.

What I claim is—

1. A handle for toilet articles comprising a hand portion, a band for embracing the article having its branches extended into the hand portion, a nut carried by the branches, a ferrule interposed between the hand portion and the article embraced by the band and a screw engaging the outer end of the hand portion and the nut for securing the parts in their assembled adjustment.

2. A handle for toilet articles comprising a hand portion, a metallic band for embracing the article having branches twisted together to form a hollow tube fitted to be inserted into the hand portion, a ferrule embracing the band and interposed between the hand portion and the article and a single fastening-screw engaging the branches of the band and the outer end of the hand portion for securing the parts in their assembled adjustment.

3. A handle for toilet articles comprising a hand portion, a metallic band for embracing the article having branches twisted together to form a tube, a nut riveted in the tube formed by the branches, a ferrule embracing the branches and interposed between the hand portion and the article and a single fastening-screw engaging the nut and the outer end of the hand portion for securing the parts in their assembled adjustment.

4. A handle for toilet articles comprising a tubular hand portion, a metallic band for embracing the article having its branches extended into the hand portion, a nut secured to the branches, a ferrule embracing the band and interposed between the hand portion and the article, a fastening-screw engaging the nut and a washer carried by the screw for engaging the outer end of the hand portion as the screw is engaged with the nut for assembling the parts, the said washer being provided with a reduced cylindrical portion for engaging the bore of the hand portion to prevent lateral movement of the screw therein.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 16th day of May, 1902.

ROBERT R. DEBACHER.

Witnesses:
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