

No. 740,576.

PATENTED OCT. 6, 1903.

F. H. LOVELESS.
BRUSH STRAP FASTENER.
APPLICATION FILED JAN. 2, 1903.

NO MODEL.

Fig. 1.

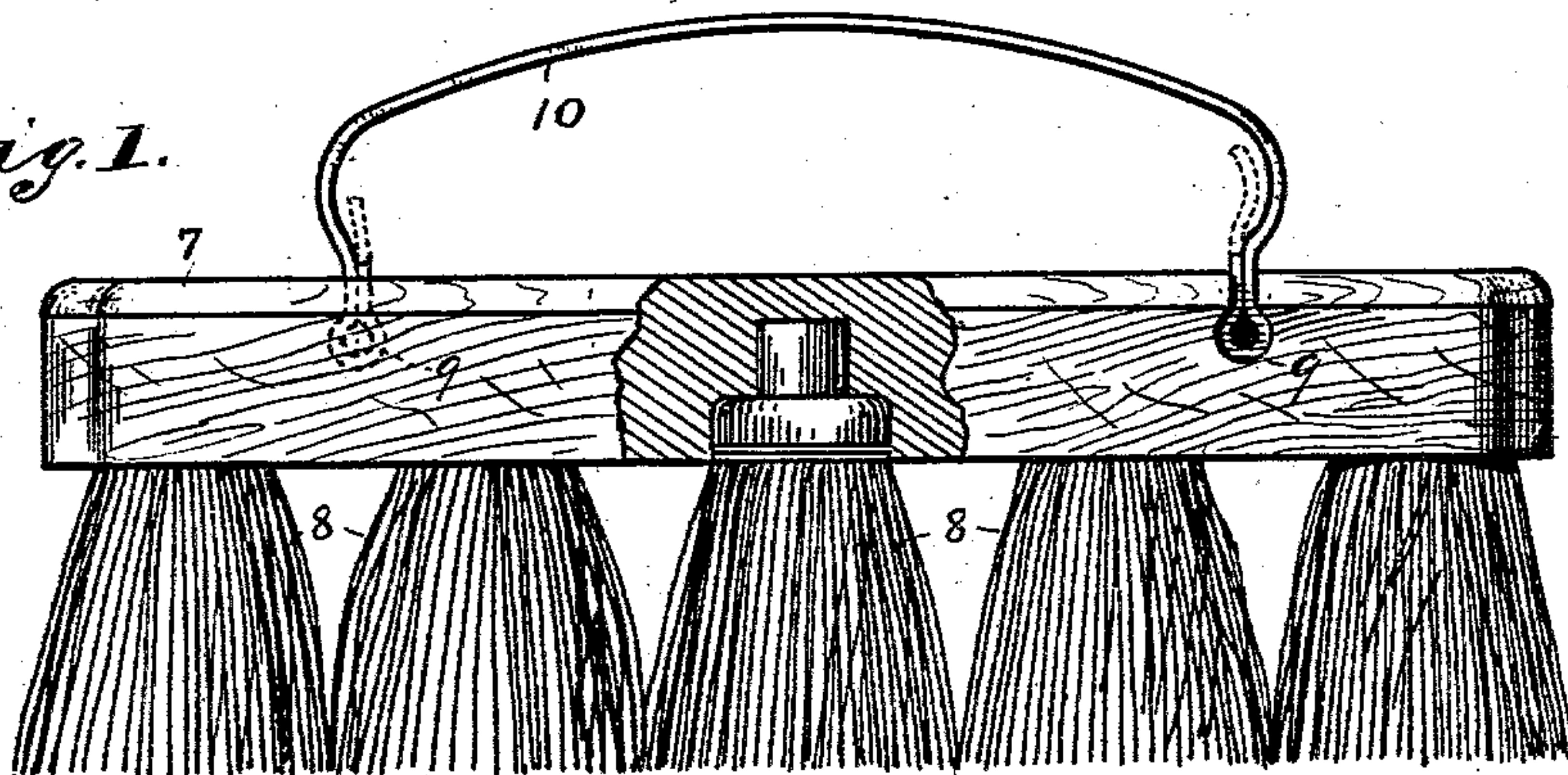


Fig. 2.

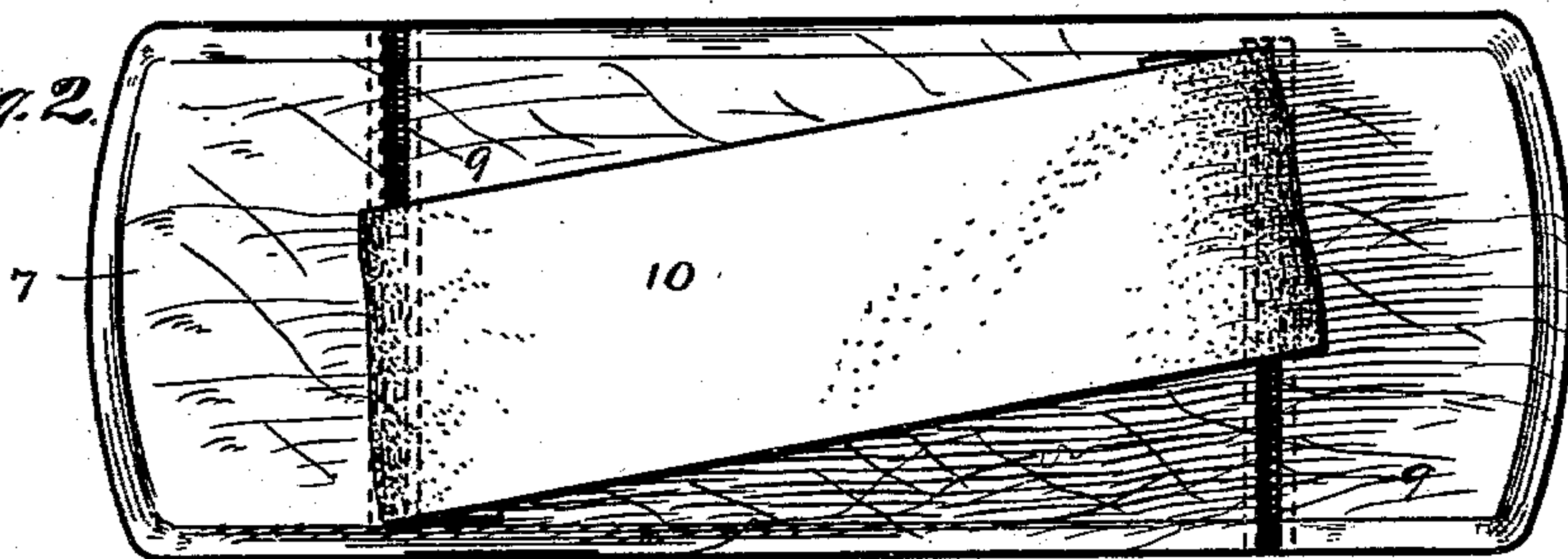


Fig. 3.

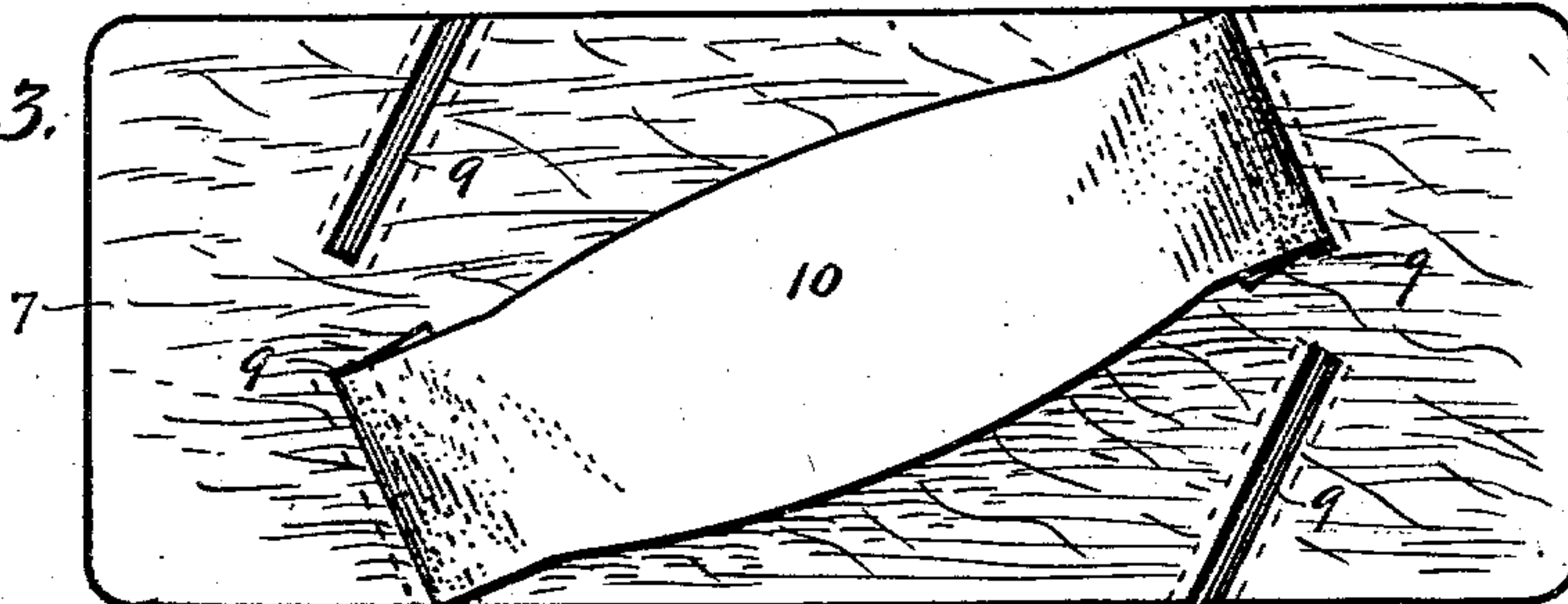
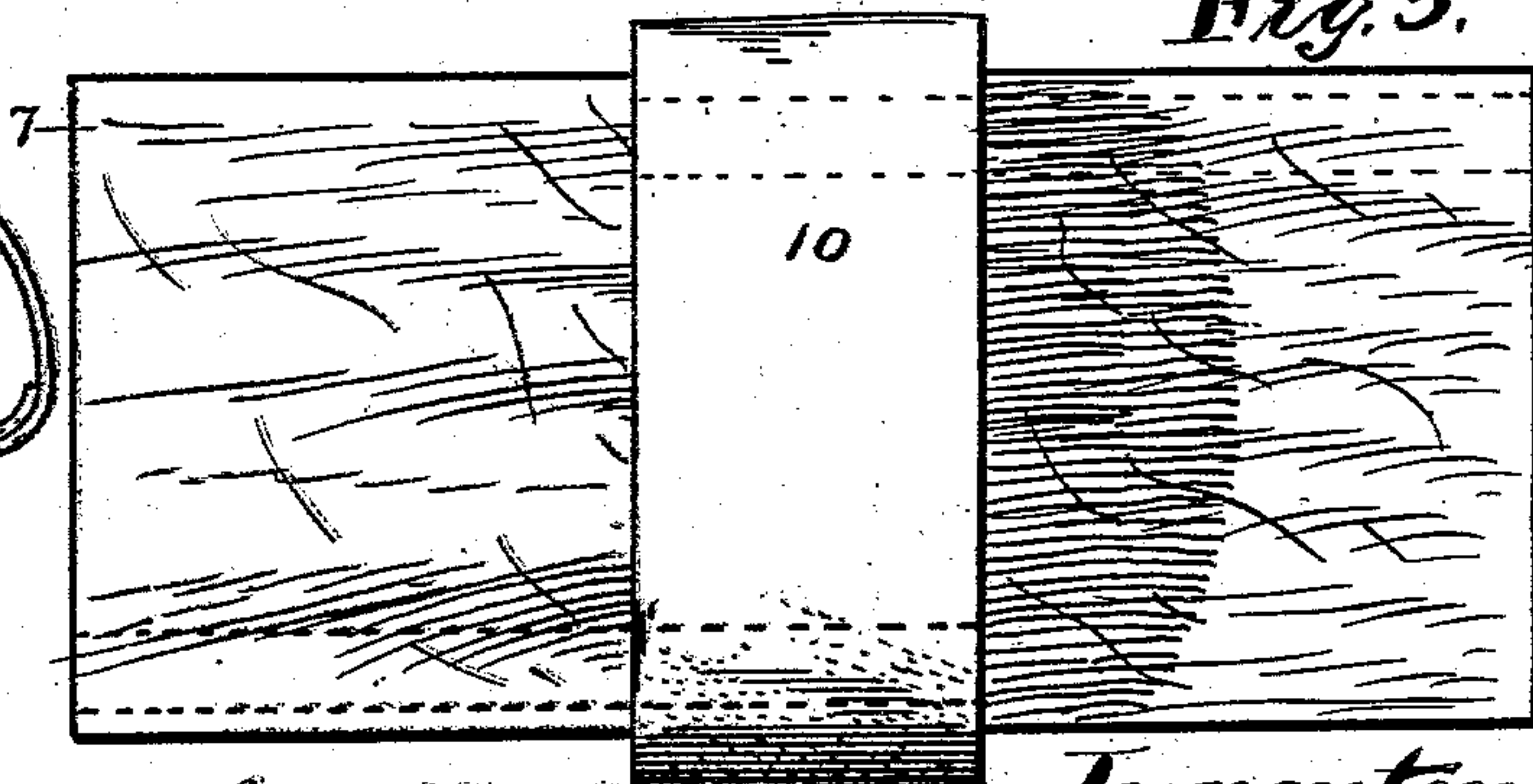
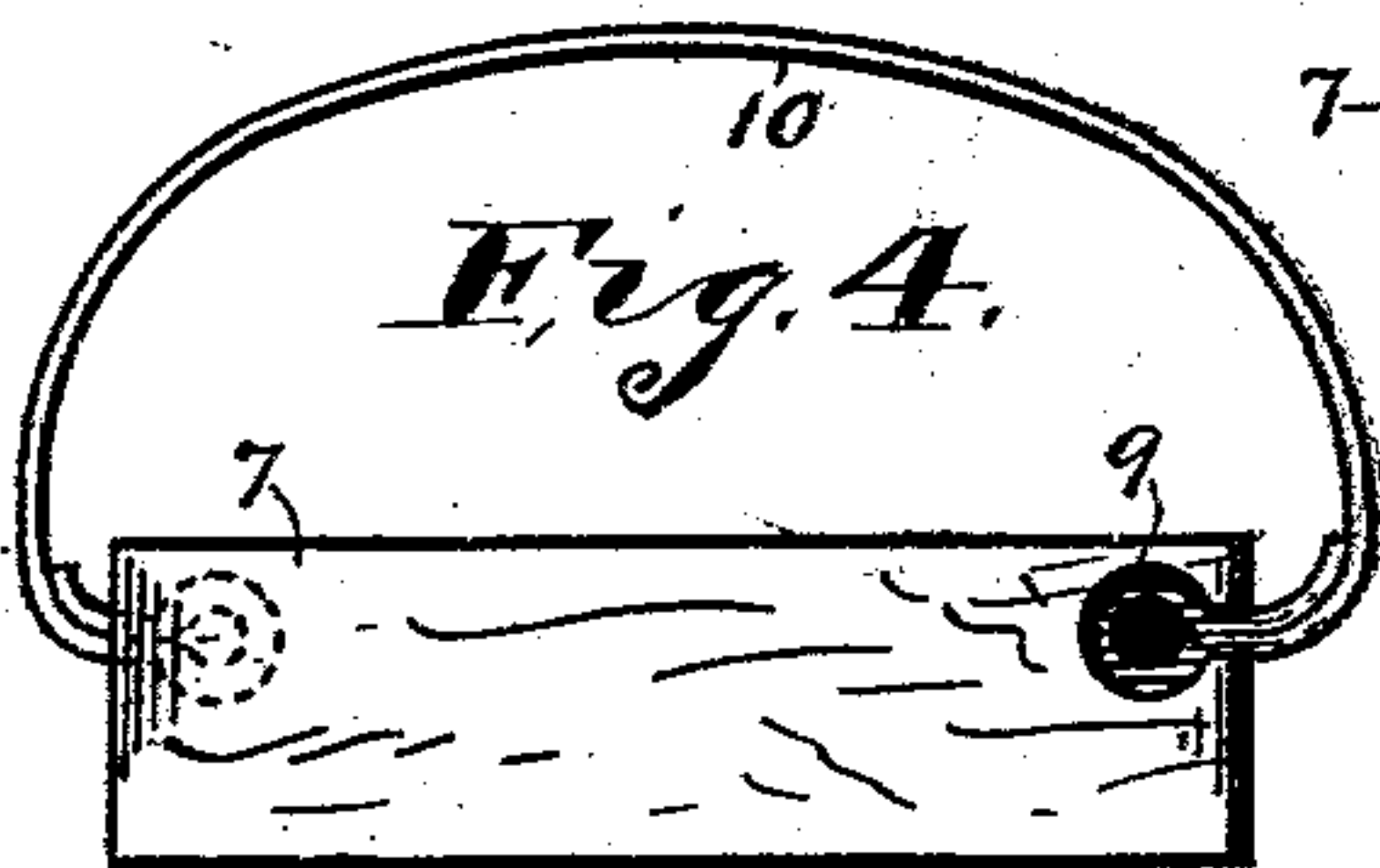


Fig. 5.



Witnesses,
S. Mahlon Unger
John H. Hummel

Fig. 6.



Fig. 7.



Inventor,
Fred H. Loveless,
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UNITED STATES PATENT OFFICE.

FRED H. LOVELESS, OF TIFFIN, OHIO, ASSIGNOR TO THE OHIO BRUSH COMPANY, OF TIFFIN, OHIO, A CORPORATION OF OHIO.

BRUSH-STRAP FASTENER.

SPECIFICATION forming part of Letters Patent No. 740,576, dated October 6, 1903.

Application filed January 2, 1903. Serial No. 137,507. (No model.)

To all whom it may concern:

Be it known that I, FRED H. LOVELESS, a citizen of the United States, residing at Tiffin, in the county of Seneca and State of Ohio, have invented certain new and useful Improvements in Brush-Strap Fasteners, of which the following is a specification.

This invention relates to improvements in means for attaching the strap to hand-brushes of various kinds—such as horse-brushes, scrub-brushes, blacking-brushes, clothes-brushes, and the like—and the object of the invention is to provide a simple, efficient, and inexpensive means for attaching the strap to the back of the brush whereby it may be lengthened or shortened expeditiously or wholly removed without any appliances to work with and without cutting the strap.

I accomplish the objects of the invention by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation and partial section of a brush embodying my invention; Fig. 2, a top plan view of same; Fig. 3, a plan view of a modified form having a double set of strap-attaching grooves; Fig. 4, an end view of a second modified form of my invention; Fig. 5, a side elevation of the modification shown in Fig. 4; Fig. 6, a detail in cross-section of a leather back with metal-lining tube in a groove at the edge of the back, and Fig. 7 a like detail with groove taking from the side of the back.

Like numbers of reference indicate like parts throughout the several views of the drawings.

7 represents the back of the brush, which is preferably made of wood.

8 represents the tufts or bunches of bristles or fiber, which are made up in any suitable manner and inserted and secured in any substantial way.

The top of the brush has two grooves or channels 9 9, starting from opposite sides and extending across the top to near the opposite side from which the respective groove started. These grooves are formed by boring a cylindrical hole below the surface of the top of the brush and then forming a saw-kerf narrower than the bore and radially of the latter through the remaining thickness of the brush-

back above the bore. This produces the preferable form of groove; but as the main consideration is to produce a groove which broadens toward its bottom I do not limit myself to the above construction.

10 is a strap, preferably of leather, the ends of which are doubled or folded back upon the body, and the folded ends are each inserted in the respective slots. The fold causes an enlargement or thickening of the end of the strap which is accommodated by the enlargement at the base of the groove. The folded ends are inserted through the ends of the slots, and withdrawal of the folded strap ends is prevented by the restricted groove-outlet.

Should the strap be too long or too short for the size of the user's hand, the ends will be slipped out of their grooves and lengthened or shortened by making the folds nearer or farther from the ends.

Where the strap is not desired, as with some users, it can be readily removed, and in shipping much valuable space may be saved by removing the straps and packing them and the brushes separately, to be assembled at their destination.

By setting the strap diagonally of the back a firmer grip may be obtained on the brush, and as this diagonal position will differ in a right-handed brush from that required in a brush for a left-handed person I provide a double set of grooves oppositely positioned, as shown in Fig. 3, which permits of changes in position of the strap to suit the user.

In the modification shown in Figs. 4 and 5 the grooves run longitudinally of the back of the brush through the side edges thereof, the grooves being started from opposite ends of said back, as shown.

Figs. 6 and 7 show modifications in which a metal-lining tube 11 is used to give strength and form to the grooves in leather-back brushes.

Having thus fully described my invention, what I claim as new, and wish to secure by Letters Patent of the United States, is—

1. A brush-back having grooves with longitudinal restricted outlets and a strap having folded ends, said folded ends being inserted in said grooves.

2. A brush-back having grooves with lon-

gitudinal restricted outlets, said grooves being open at one end, a strap folded double the fold part being inserted into a groove through the open end of the latter.

- 5 3. A brush-back having a plurality of grooves larger on their interior than at their longitudinal outlet, said grooves being open at alternate opposite ends, and a strap doubled at its ends the fold of each doubled portion being inserted through an end opening
10 into one of said grooves.

4. A brush-back having grooves in parallel pairs each groove comprising a cylindrical

bore entering the head from opposite edges and radial slot-outlets from said bores narrower than the diameter of the bore, the inner end of the bore being closed, and a strap folded double at its ends the folded ends being inserted in the slots. 15

In witness whereof I have hereunto set my hand and seal, at Tiffin, Ohio, this 11th day of December, A. D. 1902. 20

FRED H. LOVELESS.. [L. S.]

Witnesses:

HARRY A. BOYER,
R. D. NILER.