

No. 735,592.

PATENTED AUG. 4, 1903.

S. E. ROBINSON.  
SHOWER BATH BRUSH.  
APPLICATION FILED DEC. 31, 1901.

NO MODEL.

Fig. 1.

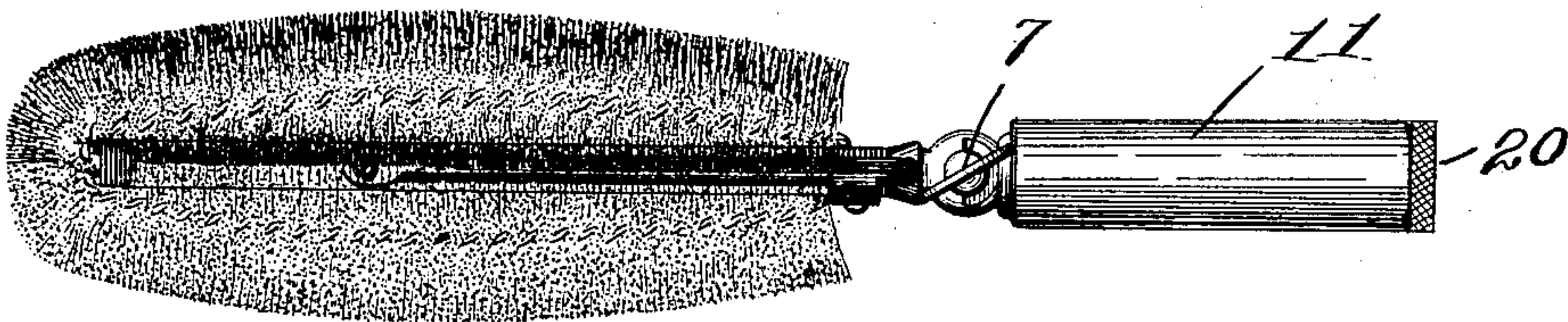


Fig. 2.

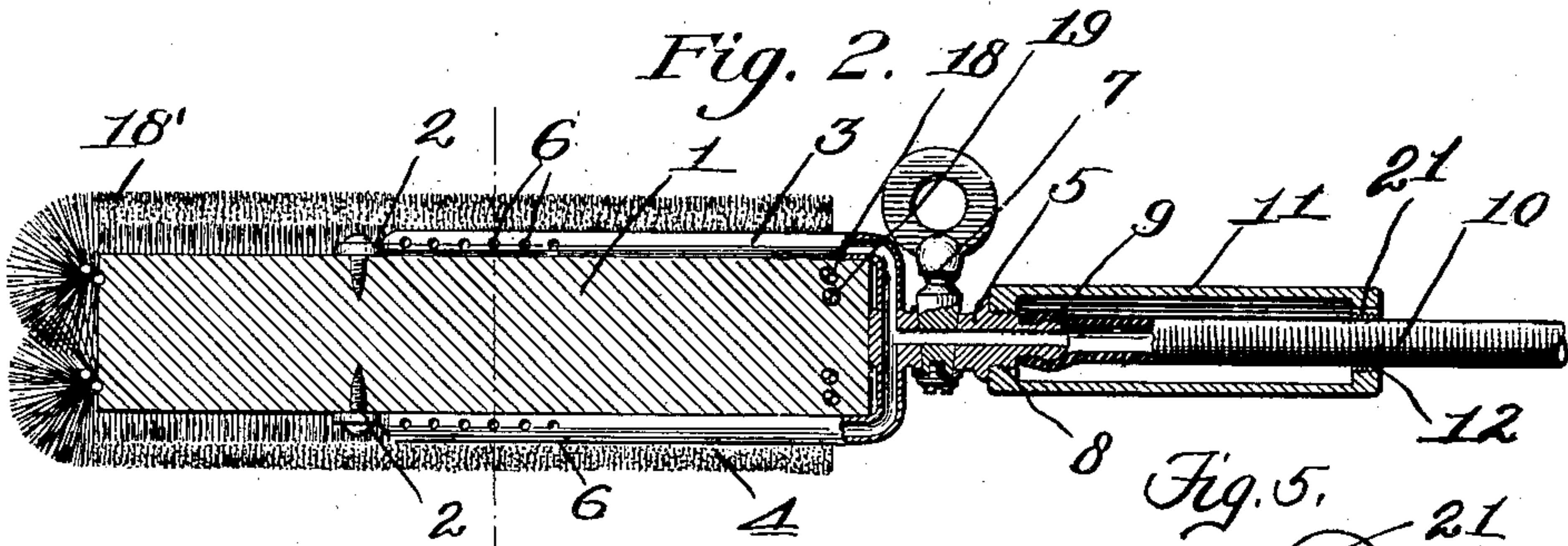


Fig. 3.

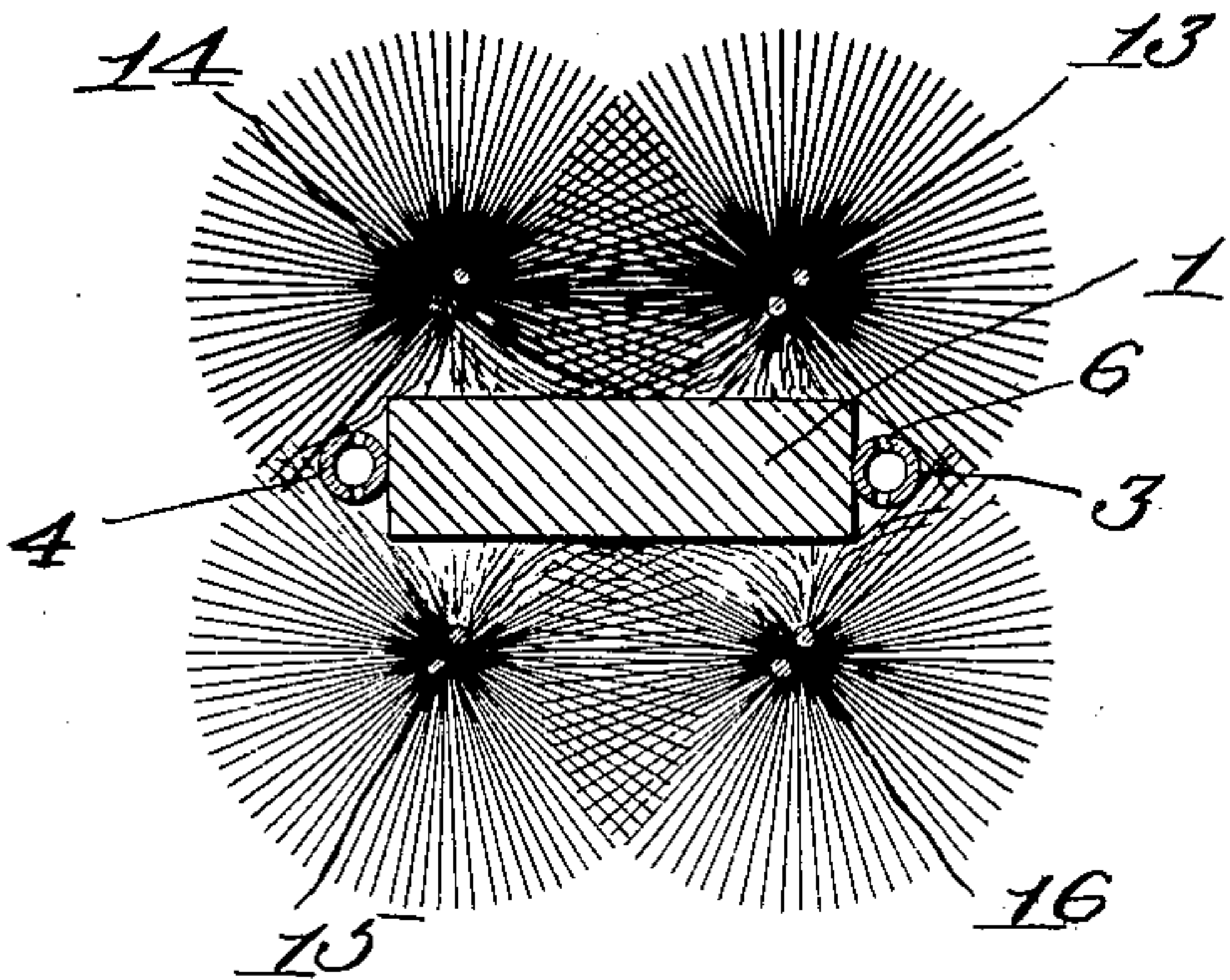
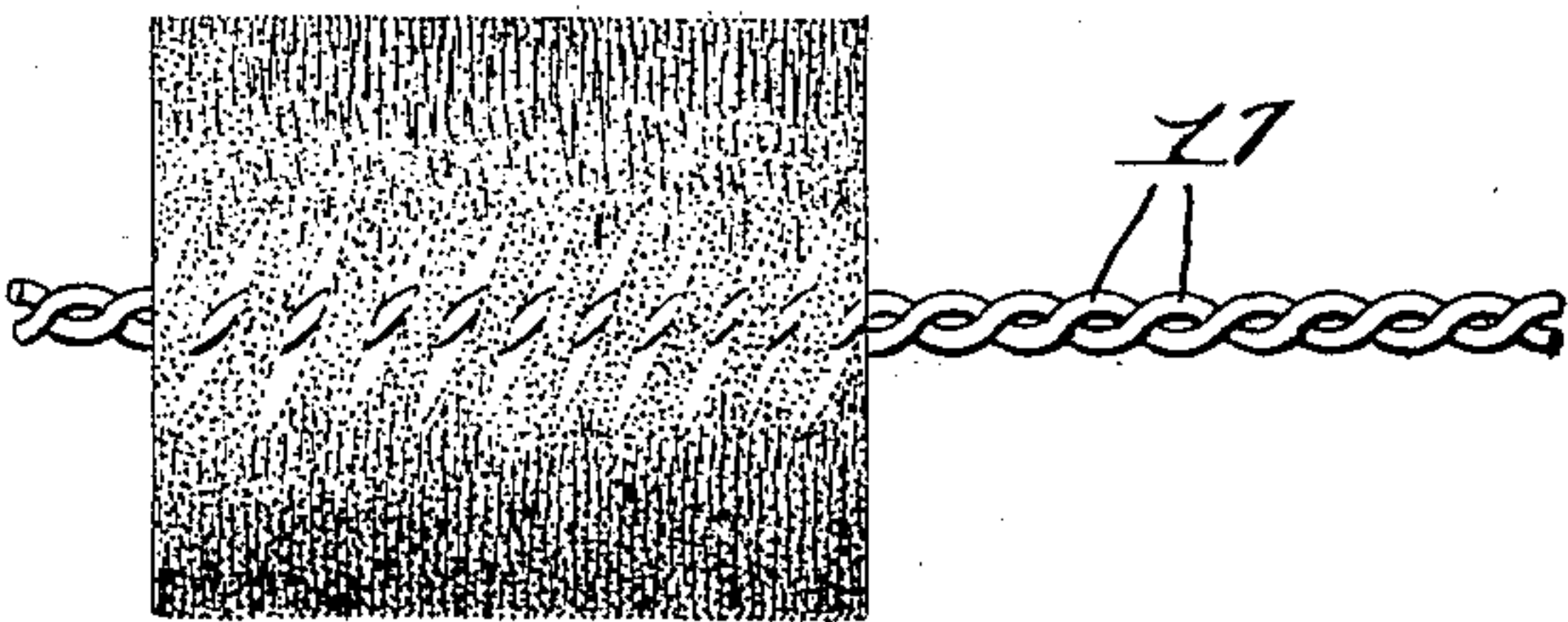


Fig. 4.



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# UNITED STATES PATENT OFFICE.

SYLVANUS EDWARD ROBINSON, OF BUFFALO, NEW YORK.

## SHOWER BATH-BRUSH.

SPECIFICATION forming part of Letters Patent No. 735,592, dated August 4, 1903.

Application filed December 31, 1901. Serial No. 87,983. (No model.)

*To all whom it may concern:*

Be it known that I, SYLVANUS EDWARD ROBINSON, a citizen of the United States, residing in Buffalo, in the county of Erie and State of New York, have invented a new and useful Shower Bath-Brush, of which the following is a specification.

This invention relates to brushes; and it has for its object the provision of means for supplying a stream of water or other liquid to the bristles of a brush for bathing or other purposes.

It has for a further object the provision of a brush having two or more sets of bristles, one set being soft to the touch for gentle bathing and the other set or sets being stiffer to the touch for harsh bathing.

A further object is the provision of improved means for removing the sets of bristles from the block on which they are mounted when they become worn and for attaching new sets of bristles to said block.

With the foregoing and other objects in view, which will be apparent as the invention is better understood, my invention consists in the novel combination of parts and details of construction hereinafter described and claimed.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of my improved brush. Fig. 2 is a sectional plan, partly in elevation, of the brush, supply-pipes, and reservoir; Fig. 3, a transverse sectional view of the brush-block, supply-pipes, and bristles. Fig. 4 is a detail view illustrating the method of attaching the bristles to a double-twisted wire. Fig. 5 is a detail view illustrating the notch in the end of the reservoir.

Like reference-numerals indicate like parts in the different views.

My improved brush is provided with the brush-block 1, which may be constructed of wood, hard rubber, or any other suitable material. Attached to the brush-block 1 by the screws 2 are the supply-pipes 3 4, which are connected with or form branches of the main supply-pipe 5. Each of the supply-pipes 3 4 is provided with a plurality of lateral perforations 6, Figs. 2 and 3. The main supply-pipe 5 is provided with the cock 7, for regu-

lating the flow of liquid therethrough, and the screw-threads 8 and enlarged head 9, which is provided to receive the end of a suitable rubber hose or supply-pipe 10. Screwed upon the screw-threads 8 of the main supply-pipe 5 is the reservoir 11, which is provided for the reception of a perfume or preparation to be used after bathing with water or other liquid. The end 12 of the reservoir 11 is screw-threaded for the reception of a suitable plug 20, which is screwed into the end 12 to close said end when the hose 10 is removed from the enlarged head 9 of the main supply-pipe 5 and it is desired to employ perfume or the like. The screw-threads of the end 12 are provided with a notch 21, Fig. 2, to permit the entrance of air into the reservoir 11 as the liquid contained therein is drawn off through the pipe 5. It will be seen that the reservoir 11 is not employed while water or other liquid is being supplied to the main supply-pipe 5 through the hose 10, though it may be in place on the screw-threads 8, as shown in Fig. 2, and it will also be seen that said hose when attached to the enlarged head 9 of the main supply-pipe extends through the reservoir 11, and it is also manifest that the reservoir 11 may be unscrewed from the pipe 5 when it is desired to attach the hose 10 to the enlarged head 9.

My improved brush is preferably constructed with four rolls of bristles 13, 14, 15, and 16, as best shown in Fig. 3, though, if desired, the bristles may be set into or attached to the brush-block 1 in the usual and well-known manner. Each of the rolls 13, 14, 15, and 16 is constructed by retaining the bristles thereof between the twisted wires 17, Fig. 4. For convenience in attaching them to the block 1 the brushes or rolls 13 and 16 are preferably formed on one pair of twisted wires 17 and the brushes 14 and 15 are formed on another pair of twisted wires 17. In fastening the rolls or brushes to the brush-block the end of the twisted wires 17 on which the brushes 13 and 16 are formed is passed through the hole 18 in the brush-block 1 and clenched on the under side thereof. The wires 17 are then extended along the upper side of the brush-block, bent around the opposite end thereof, fitting into the notches 18'



and being retained in position thereby, and are passed along the underside of the brush-block, extended through the hole 19, and clenched on the upper side of the brush-block. By this means the brush 13 will be on the upper side of the brush-block and the brush 16 on the lower, and both of said brushes will be retained in position by the same pair of twisted wires 17, so that if it is desired when said brushes become worn to substitute new brushes it is only necessary to unclench the wires 17, remove the worn brushes, and attach new brushes in the manner described. The brushes 14 and 15 are of course attached to and removed from the block 1 in the same manner as the brushes 13 and 16. It will thus be seen that I have provided means for readily substituting new brushes for worn brushes without the necessity of procuring a new brush-block.

A further method by which the brushes may be renewed when they become worn is to unscrew the screws 2 and remove the branch pipes 3 4 and the main pipe 5 from the brush-block containing the worn brushes. Another brush-block containing new brushes can then be secured, and the pipes 3, 4, and 5 can be attached thereto by means of the screws 2. The brushes 13, 14, 15, and 16 can be readily attached to the brush-block at the factory. This method of renewing the brushes is even more convenient than that first described.

The brushes 13 and 14 on the upper side of the brush-block are preferably provided with soft bristles for producing gentle friction in bathing, and the brushes 15 and 16 are preferably provided with stiff bristles for producing harsh or severe friction in bathing. By constructing the brush in this way either gentle or harsh friction can be produced by simply reversing the brush.

It will be observed that by extending the branch supply-pipes 3 4 along the sides of the brush-block, as shown in Figs. 2 and 3, either the brushes 15 and 16 or the brushes 13 and

14 are supplied with liquid, according to which side of the brush is being used.

The pressure of the liquid passing through the pipes 3, 4, and 5 can be controlled or the flow of such liquid can be stopped by turning the cock 7, as will be readily understood.

After bathing with water it is often desirable to bathe with alcohol, cologne, violet-water, &c. For this reason I provide the reservoir 11. When it is desired to use this reservoir, the hose 10 is drawn from off the enlarged head of the main pipe 5, as described, the reservoir is filled with the cologne or other liquid, and is closed by the plug screwed into the end 12 thereof. The bathing operation is then followed out as when using water.

The hose 10 may be attached to the spigot of a bath-tub in any suitable manner or may be connected with a water-bottle or any other source of supply.

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

1. In a brush, the combination of a brush-block, a plurality of brushes secured thereto, and covering the top, bottom, the sides and an end portion of said brush-block, a main supply-pipe, and a plurality of perforated branch pipes forking around said brush-block and holding it therebetween, said branch pipes being removably secured to said brush-block.

2. In a brush, the combination of a brush-block, a plurality of brushes secured thereto, and covering the top, bottom, the sides and an end portion of said brush-block, a main supply-pipe constituting a reservoir, and a plurality of perforated branch pipes forking around said brush-block and holding it therebetween, said branch pipe being removably secured to said brush-block.

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