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B. G. A. LAITNER.

FLEXIBLE BRUSH.

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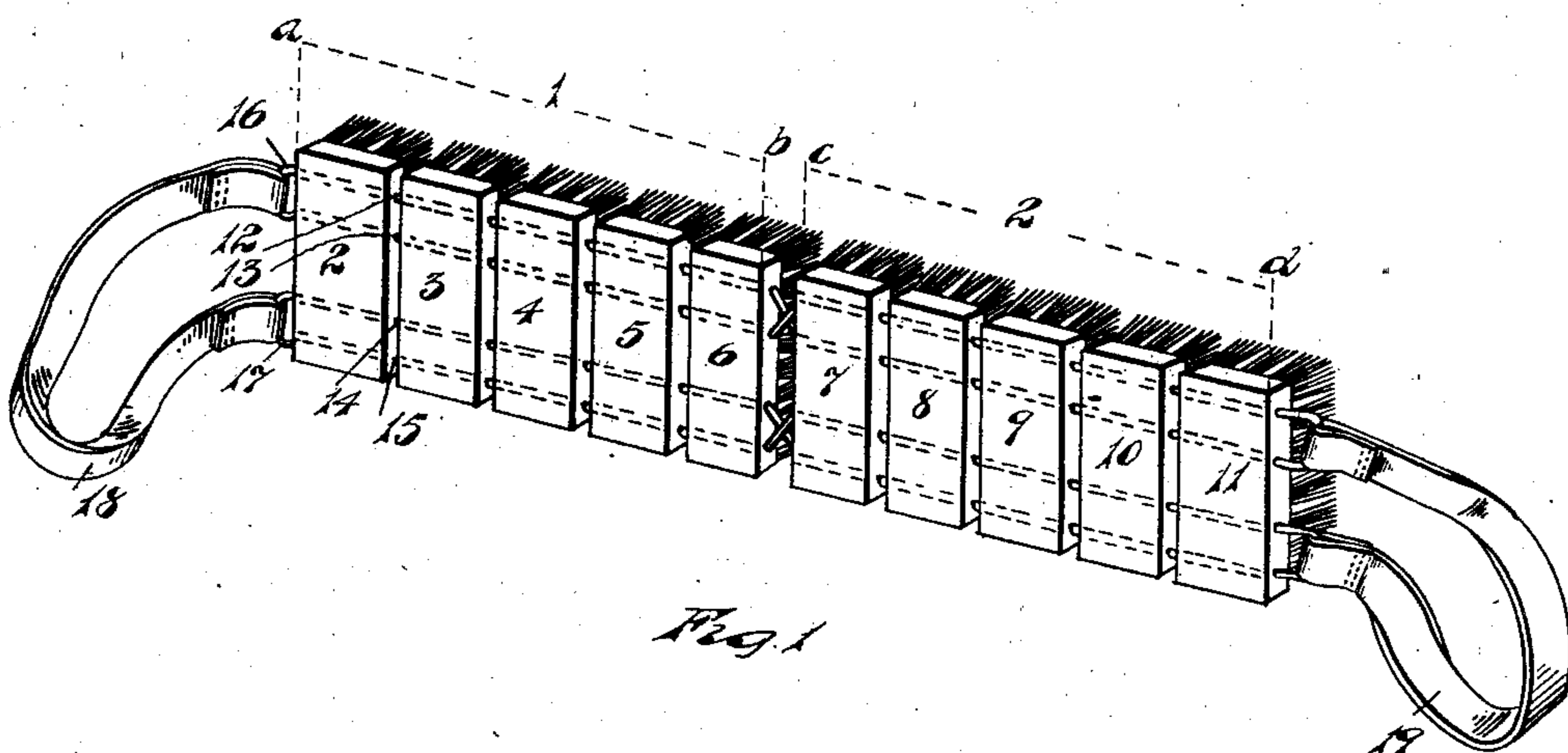


Fig. 1.

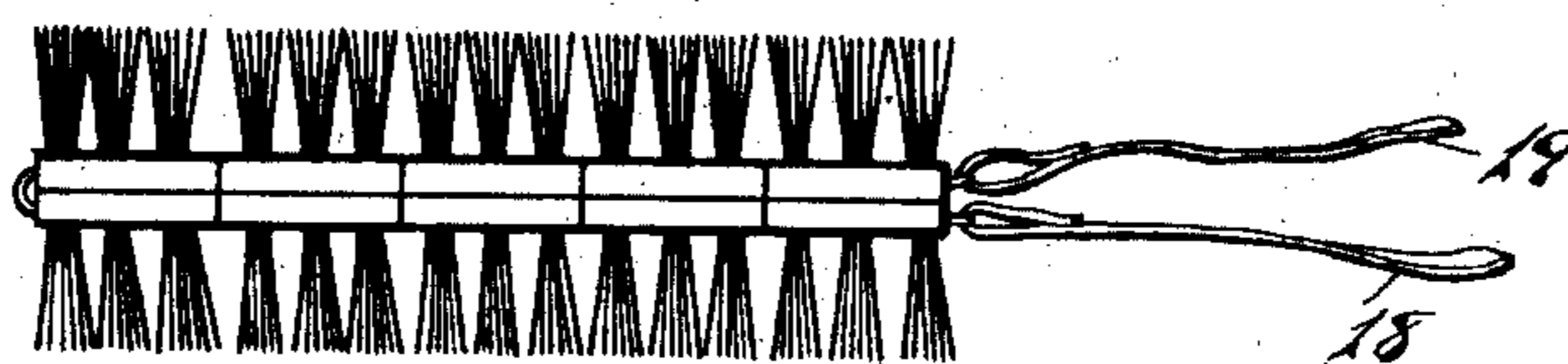


Fig. 2.

WITNESSES

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FLEXIBLE BRUSH.

No. 883,548.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, BENJAMIN G. A. LAITNER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Flexible Brushes, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to flexible brushes; it has for its object an improved flexible brush adapted to conform itself to the curvatures of the body and provided with means whereby it may be actuated when in engagement with a curved portion of the body.

In the drawings:—Figure 1, is a perspective of the brush in its most extended condition. Fig. 2, shows it bent upon itself at its middle point.

The complete brush is made of a plurality of small brushes strung together on flexible bands, preferably arranged in two sections, and each section is composed of a plurality of smaller sections.

As shown in the drawing, the section 1, extends from *a* to *b* is composed of five small brushes 2, 3, 4, 5 and 6, and the section 2, extending from *c* to *d*, is composed of five similar small brushes 7, 8, 9, 10 and 11. Each of the individual sections, as the section 1, is bored through on lines parallel to the back surface with holes 12, 13, 14 and 15, which holes are in parallel relation to each other, and the holes of all the several sections are so bored that when assembled in the position shown in Fig. 1, the holes lie in several alined rows. Through the holes are threaded flexible cords 16 and 17. After a certain number of individual sectional brushes have been threaded on the cords, the cord which is threaded through the holes alining with holes 12 and 13, are crossed and the upper member of the cord is now continued as the lower member through the holes of the second group of individual brushes, and the member of the cord threaded through the holes alining the hole 13, is now threaded through an upper line of holes in alinement with hole 12. Each cord is finished with a loop at the ends of the assembled brushes. The ends of the cord being brought together

and secured together to form the loop at one end and the cord being bent at the middle part to form the loop at the opposite end of the assembled brushes, a similar cord is carried through the holes at the opposite end of the brushes, the cords being crossed at the middle between the two groups of brushes, and provided with similar loops at the ends. In the pair of loops at each end of the assembled mass of brushes is secured a looped strap 18 at the one end, and 19 at the other end; the straps 18 and 19 furnish means by which the assembled brushes may be actuated, using both hands for that purpose. If it be desired the one half of the structure may be bent back upon the other half as shown in Fig. 2, and the structure is then grasped by the hand as an ordinary brush would be grasped.

In the drawing, in Fig. 1, the brushes are shown as spaced from each other somewhat more than the normal condition. In Fig. 2, they are shown as closed together in the condition they normally assume, and they especially assume this closed condition when the one half is bent back on the other half as shown in Fig. 2, and both the straps 18 and 19 lie at the same end of the assembled structure.

What I claim is:—

1. A flexible brush having in combination a plurality of individual brushes, and a plurality of flexible connectors passing through holes bored through the individual brush backs substantially parallel with one another, each of said connectors being crossed intermediate its ends with another connector, whereby the individual brushes are divided into groups and their movement along the connectors is limited, substantially as described.

2. In a flexible brush, in combination with a plurality of individual brushes, flexible connectors uniting the same, by engagement therethrough, said connectors being crossed intermediate their ends to effect the spacing of the brushes into groups on either side of such crossing and straps terminating the flexible connectors and adapted to draw the connectors through the individual brushes, substantially as described.

3. A flexible brush, having in combination a plurality of single brushes, and flexible connectors engaging through holes bored in the

backs of each of said brushes substantially parallel with the engaging face of each, said connectors being adapted to be attached to a supporting loop handle at each end of the
5 line of single brushes thus united, and having the portions intermediate the looped ends crossed to effect the spacing of the single brushes into groups along said connector, and a loop handle attached to said ends of the connector, substantially as described. 10

In testimony whereof, I, sign this specification in the presence of two witnesses.

BENJAMIN G. A. LAITNER.

Witnesses:

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