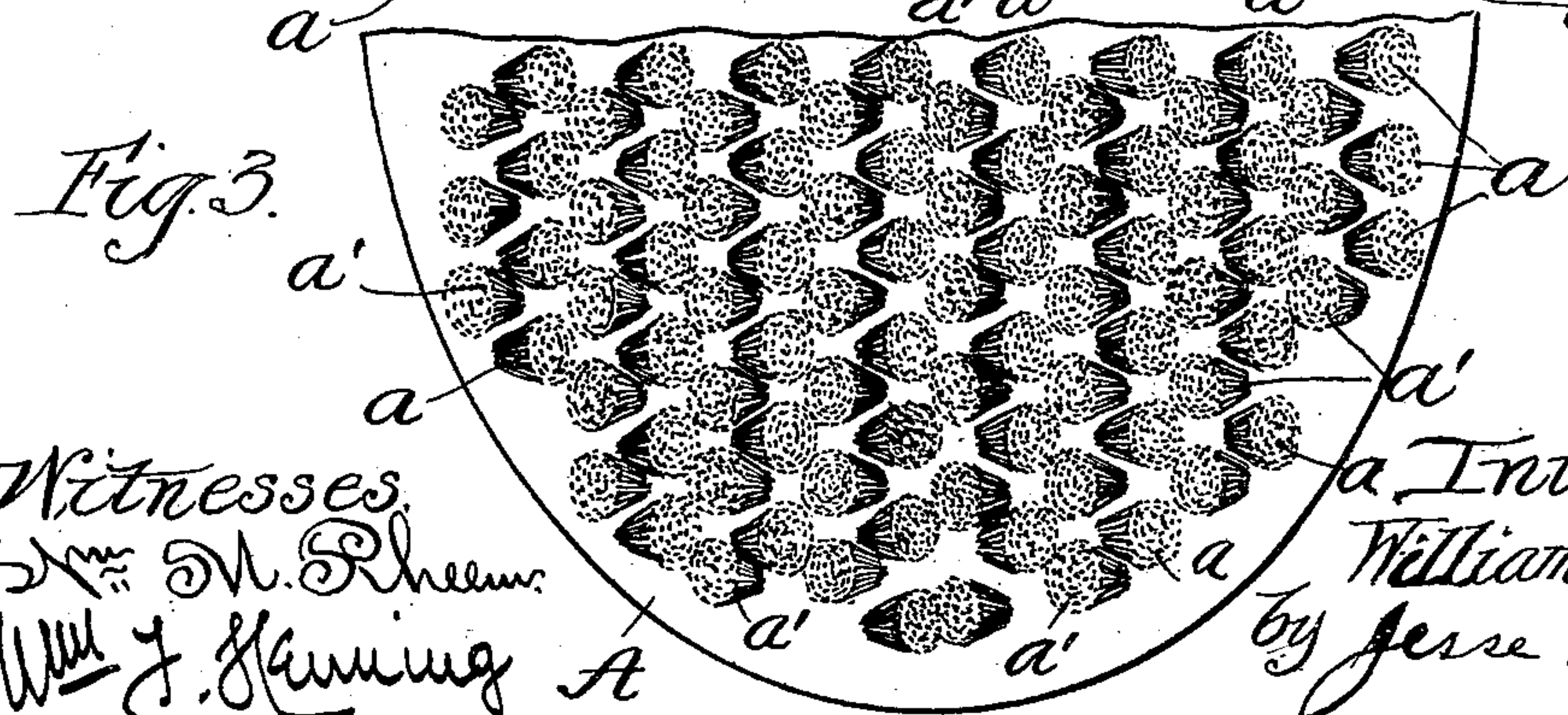
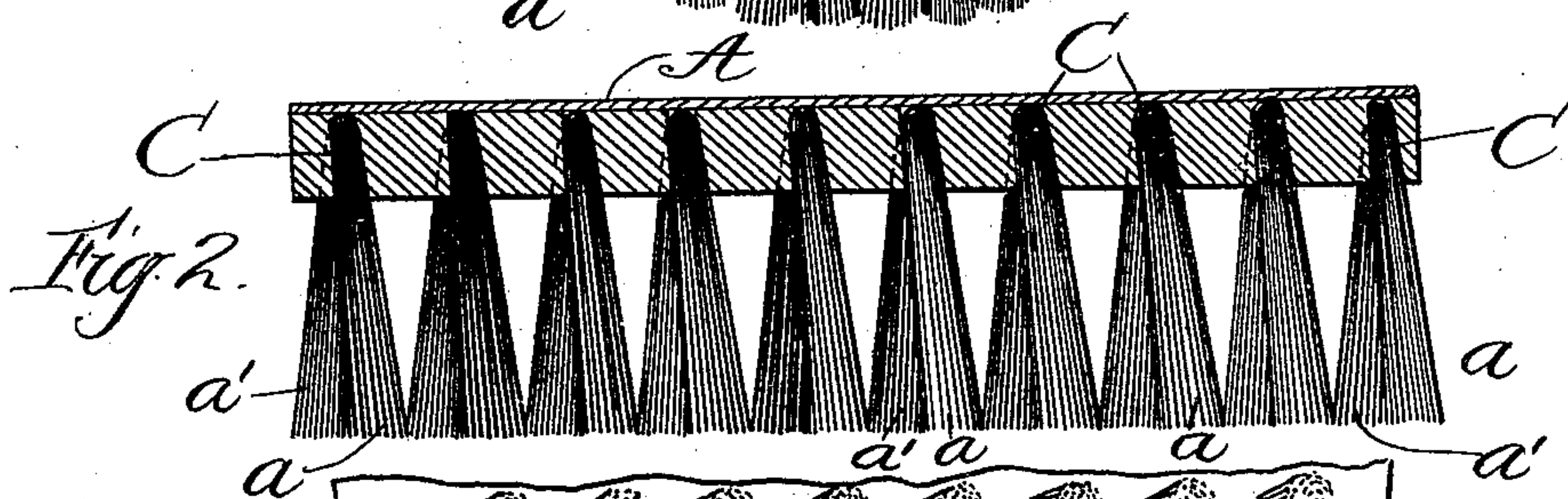
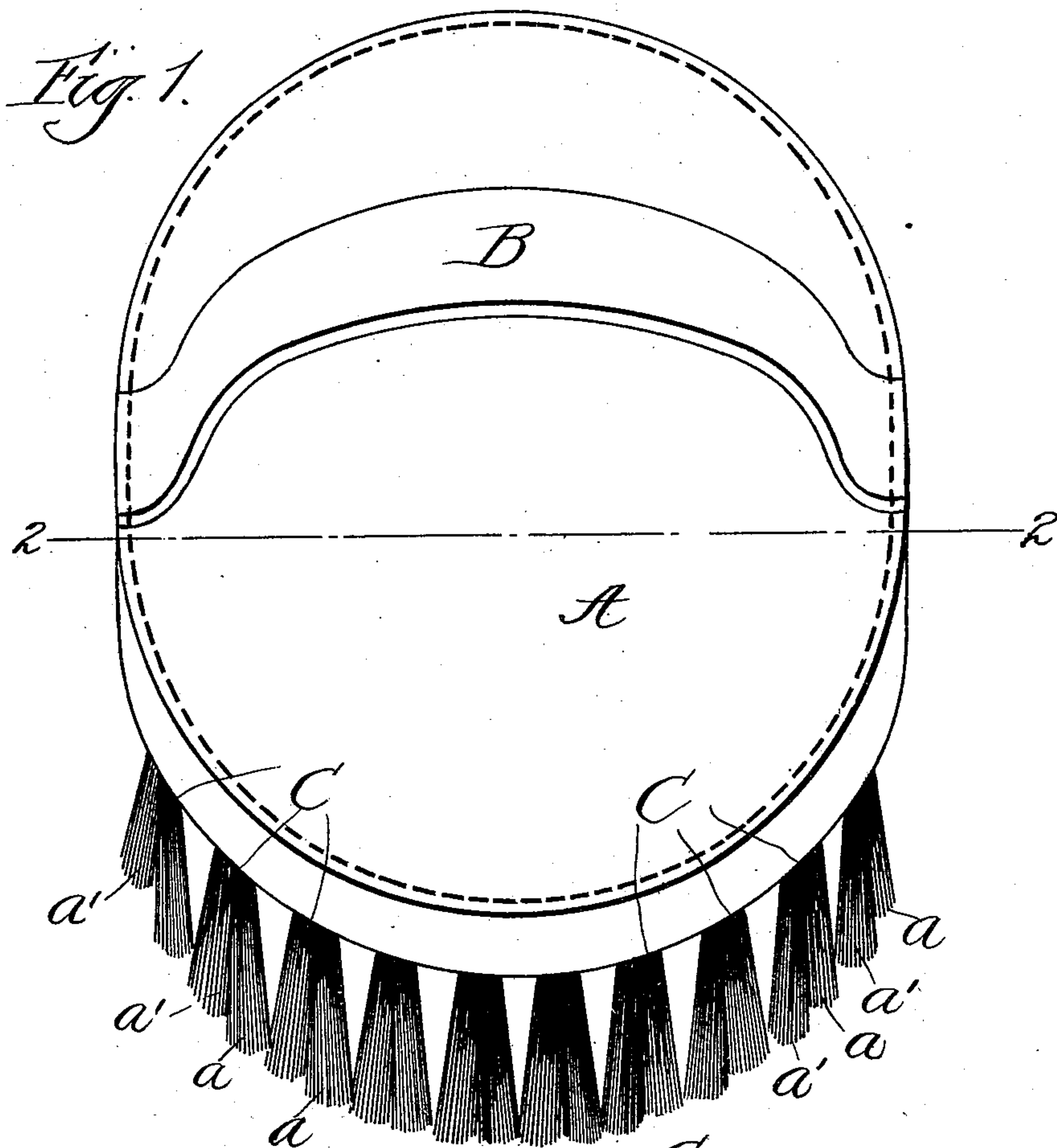


(No Model.)

W. C. FLINT.
BRUSH.

No. 543,006.

Patented July 23, 1895.



Witnesses
S. M. Rheem
W. J. Hanning

Inventor
William C. Flint
by Jesse Cox

Att'y

UNITED STATES PATENT OFFICE.

WILLIAM CHARLES FLINT, OF CHICAGO, ILLINOIS.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 543,006, dated July 23, 1895.

Application filed February 25, 1895. Serial No. 539,688. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM CHARLES FLINT, a citizen of the United States, residing in the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Brushes, of which the following is a specification.

My invention relates to improvements in brushes; and it consists in so arranging the tufts of bristles as to increase the space between the rows of tufts at their point of attachment to the back of the brush, while the outer extremities of the tufts of bristles in the several rows will be close together, forming a solid face for the brush; and the object of my invention is to promote the convenience of cleaning the brush without decreasing its efficiency. I attain this object by the mechanism represented in the accompanying drawings, in which—

Figure 1 represents a perspective of the brush in elevation, looking at the end thereof. Fig. 2 represents a section taken on the line 2 2, Fig. 1. Fig. 3 represents a face view of one end of the brush, showing the arrangement of the tufts of bristles.

In the drawings, A represents the outside of the back of the brush.

B is the usual handle-strap.

C C C represent the several rows of tufts of bristles, arranged so that each alternate tuft of each row inclines in a direction opposite to the incline of the adjacent tuft in the same row—that is, if one tuft *a* inclines to the right the adjacent tuft *a* will incline to the left.

The back of the brush consists, preferably, of several layers of leather or other suitable material, in which the inner extremities of the tufts of bristles are inserted and fastened with wires or in any suitable manner. There is a covering layer over the inner extremities of the tufts.

The tufts inclining in different directions in the several rows are arranged substantially in the same line with each other at

their bases, longitudinally of the back; but a slight deviation of the tufts in their respective rows from the same line will not be a departure from my invention. There may be as many rows as are required, according to the desired size of the brush. The arrangement of the tufts thus described, while presenting a solid face of bristles, leaves more than double the space between the rows of tufts at their point of attachment to the back than there would be if the tufts had no incline, but were arranged perpendicularly, and so that the face of the brush would present no space between the outer extremities of the bristles.

My arrangement greatly facilitates the cleansing of the brush.

I am aware that brushes have been heretofore made with tufts of bristles inclining in different directions; but in such cases the tufts of bristles were arranged in double rows, and so that the tufts crossed each other, and not in such manner as to leave any greater space between the rows of tufts at the point of attachment of the tufts to the back than in the ordinary brush in common use.

What I claim as new, and desire to secure by Letters Patent, is—

A brush consisting of a backing and tufts of bristles all of which are inclined, said tufts all being of substantially equal length and arranged in single rows, the tufts in each row being in substantially the same line at their bases in said backing but being alternately inclined in opposite directions so that each tuft is inclined in a direction opposite to that of its adjacent tuft or tufts in the same row, thereby forming a brush which is open at its back, so as to be readily cleaned, but which presents a well-covered face, substantially as set forth.

WILLIAM CHARLES FLINT.

Witnesses:

JESSE COX,

ARTHUR MALCOM COX.