

(No Model.)

A. E. MAGORIS.
BRUSH.

No. 528,730.

Patented Nov. 6, 1894

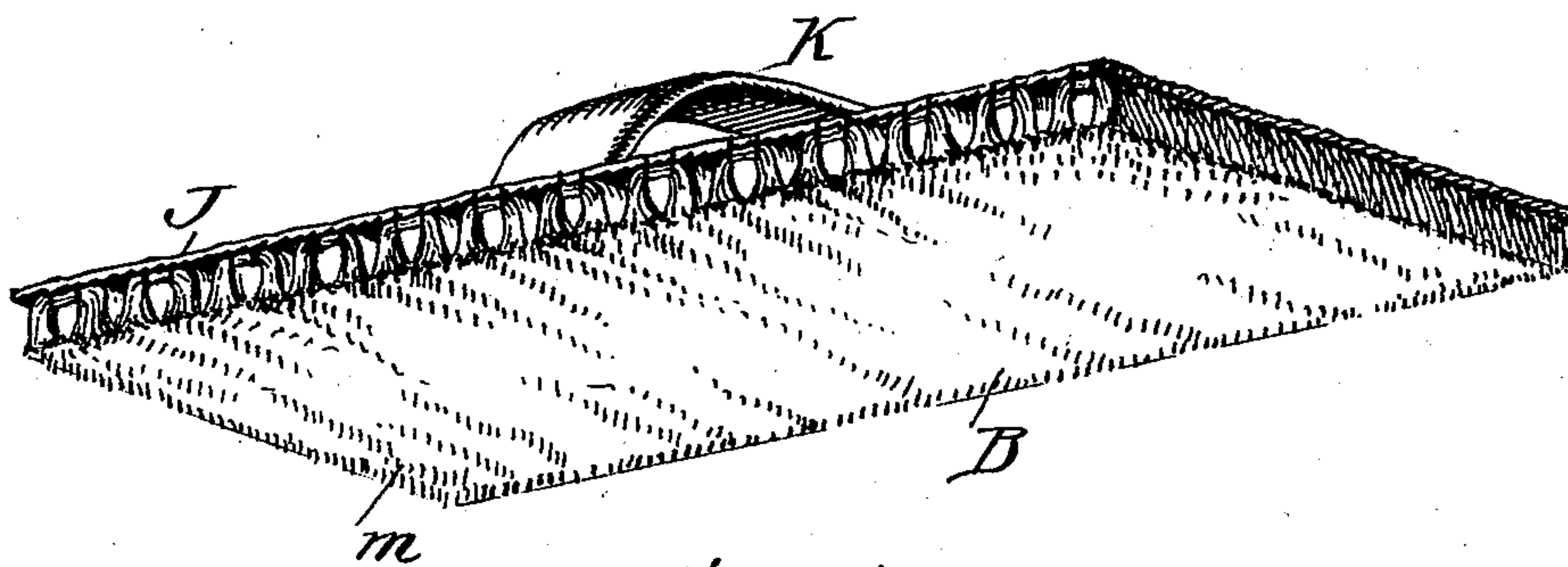


Fig. 1.

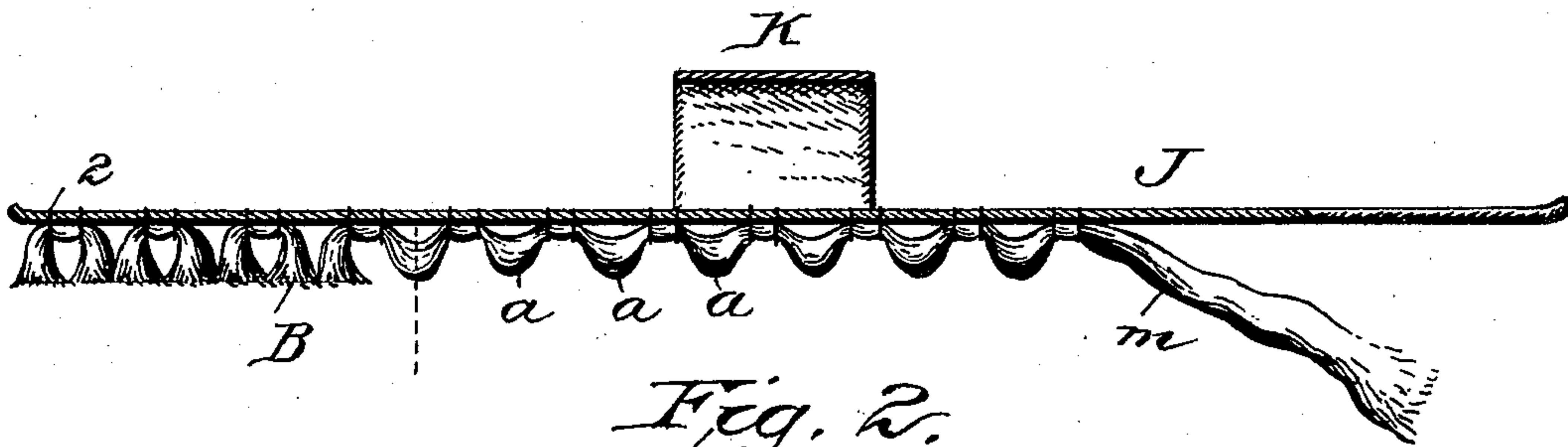


Fig. 2.

Witnesses
H. R. L. L. L.
Geo. R. Hamlin.

Inventor
Anthony C. Magoris
per Rhoads & Sons
Attorney

UNITED STATES PATENT OFFICE.

ANTHONEY E. MAGORIS, OF BINGHAMTON, NEW YORK.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 528,730, dated November 6, 1894.

Application filed May 10, 1894. Serial No. 510,757. (No model.)

To all whom it may concern:

Be it known that I, ANTHONY E. MAGORIS, a citizen of the United States, residing at Binghamton, in the county of Broome and State of New York, have invented certain new and useful Improvements in Brushes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to

which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention has for its object the provision of a brush possessing the qualities of flexibility, lightness, ease of cleansing by being boiled or washed in any of the known ways of purifying heavy fabrics, as well as devising a novel method of constructing the same, whereby continuous fibers are used and attached to a flexible back of the same substance as the fibers which form the tufts, or of any other suitable material.

In constructing a brush in accordance with the principles of my invention the fibers designed to form the bristles or brush surface are arranged in parallel relation and attached to a back of suitable material by parallel rows of stitches or fastenings, the fibers being looped between the double rows of stitches or fastenings to provide the tufts which are formed by cutting through the ends of the loops. A brush constructed in this manner will have the fastenings or stitches intermediate the ends of the fibers forming the tufts or bristles.

The improvement will be more particularly set forth hereinafter and designated in the claims and is illustrated in the annexed drawings, in which—

Figure 1 is a perspective view of a brush constructed in accordance with and embodying the essential principles of the invention, and Fig. 2, is a section showing the several steps.

The fibers used are preferably vegetable, and may be selected from any of the well known plants or growths, such as hemp, jute, cactus, manila, &c.

In carrying out the invention a suitable back J is provided. The fibers *m* are arranged in parallel relation, preferably the full width of the brush to be produced are first stitched at one end to the back as shown at 2, one or more rows of stitching being provided to insure stability to the device. Then the fibers are looped as shown at *a* and again secured to the back by stitching. This process is repeated until the proper length of brush is attained; or, long strips may be provided and subsequently cut up into desired lengths. The loops are subsequently cut through forming the tufts or bristles B.

The back may be a mat of the same material as the fibers, or of ducking, canvas, or, in fact, any textile fabric.

The brush may be bound and finished in any desired manner and provided with a loop K to secure it to the hand when in use.

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

1. The herein described process of forming a brush which consists in securing fibers arranged in a parallel relation to a back by parallel rows of fastenings, looping the fibers between the said fastenings, and severing the loops to form the tufts or bristle surface, substantially as set forth.

2. That improvement in the process of forming a brush, which consists in securing fibers arranged in parallel relation to a back by stitches, and looping the fibers between the said stitches, substantially as described.

In witness whereof I affix my signature in presence of two witnesses.

ANTHONEY E. MAGORIS.

Witnesses:

MINNIE HENLEY,
HERBERT W. KNIGHT.