

No. 711,544.

Patented Oct. 21, 1902.

C. H. TESCH.
BRUSH.

(Application filed Jan. 27, 1902.)

(No Model.)

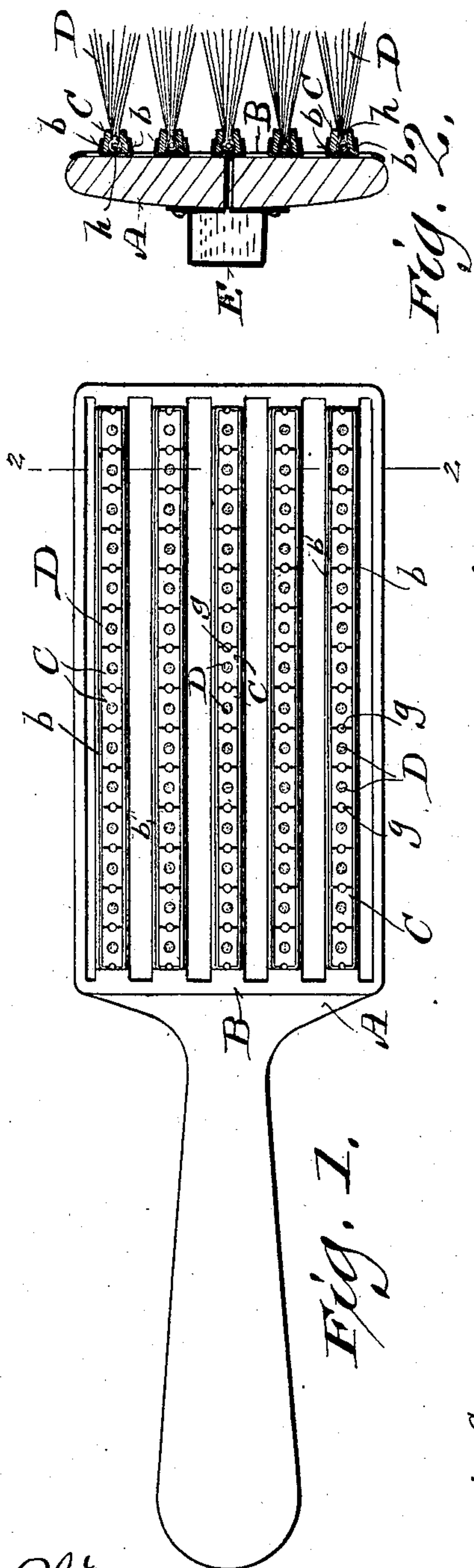


Fig. 1.

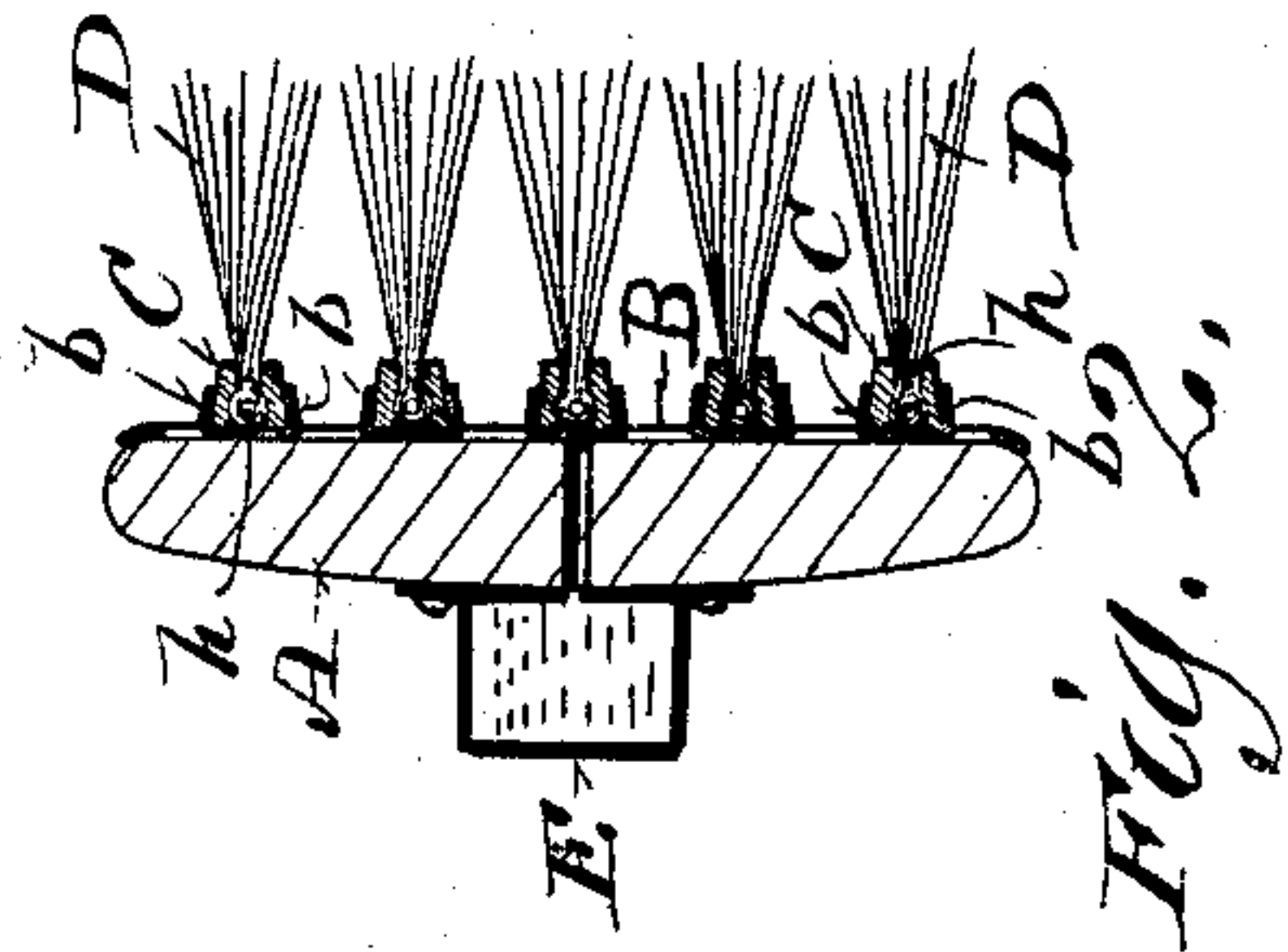


Fig. 2.

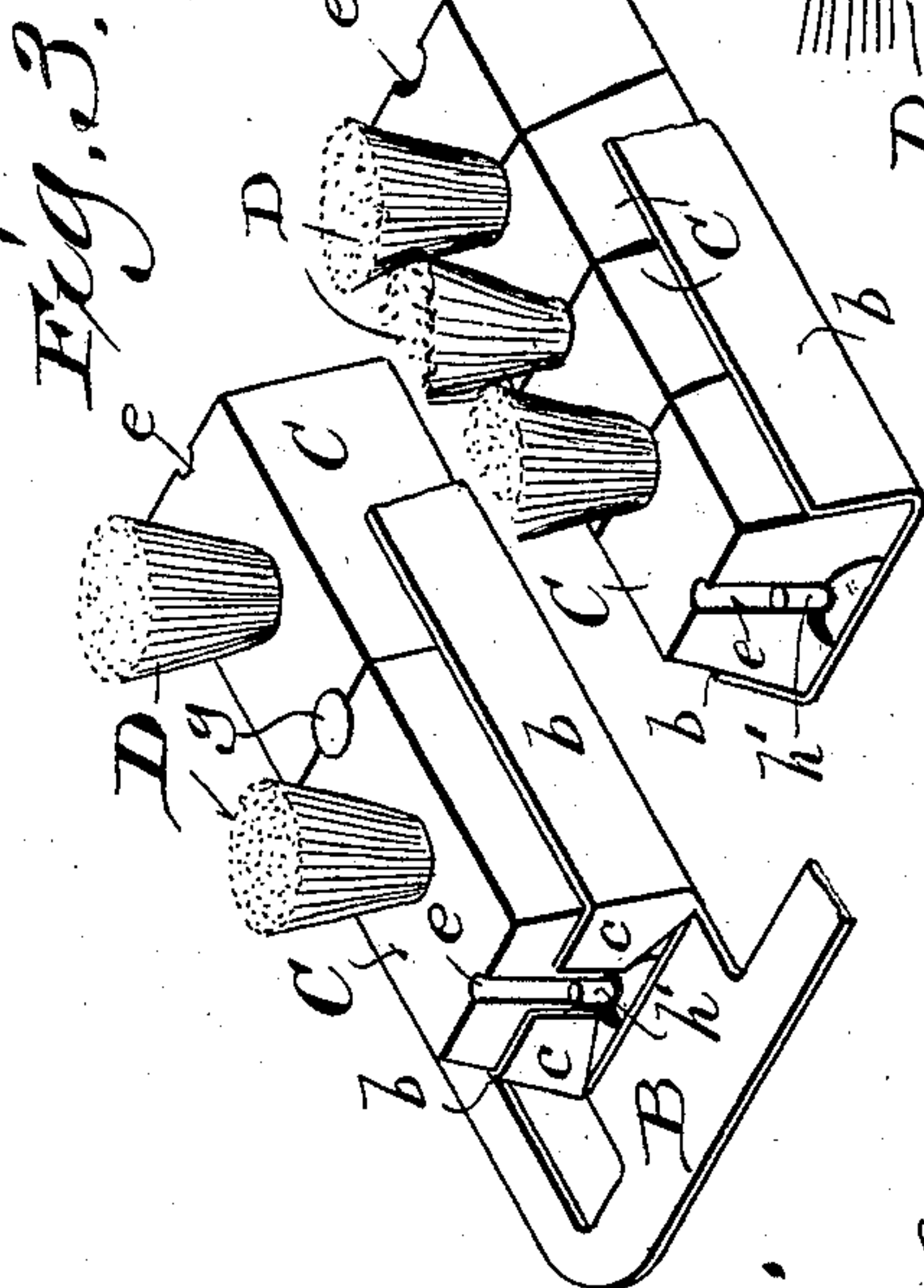


Fig. 3.

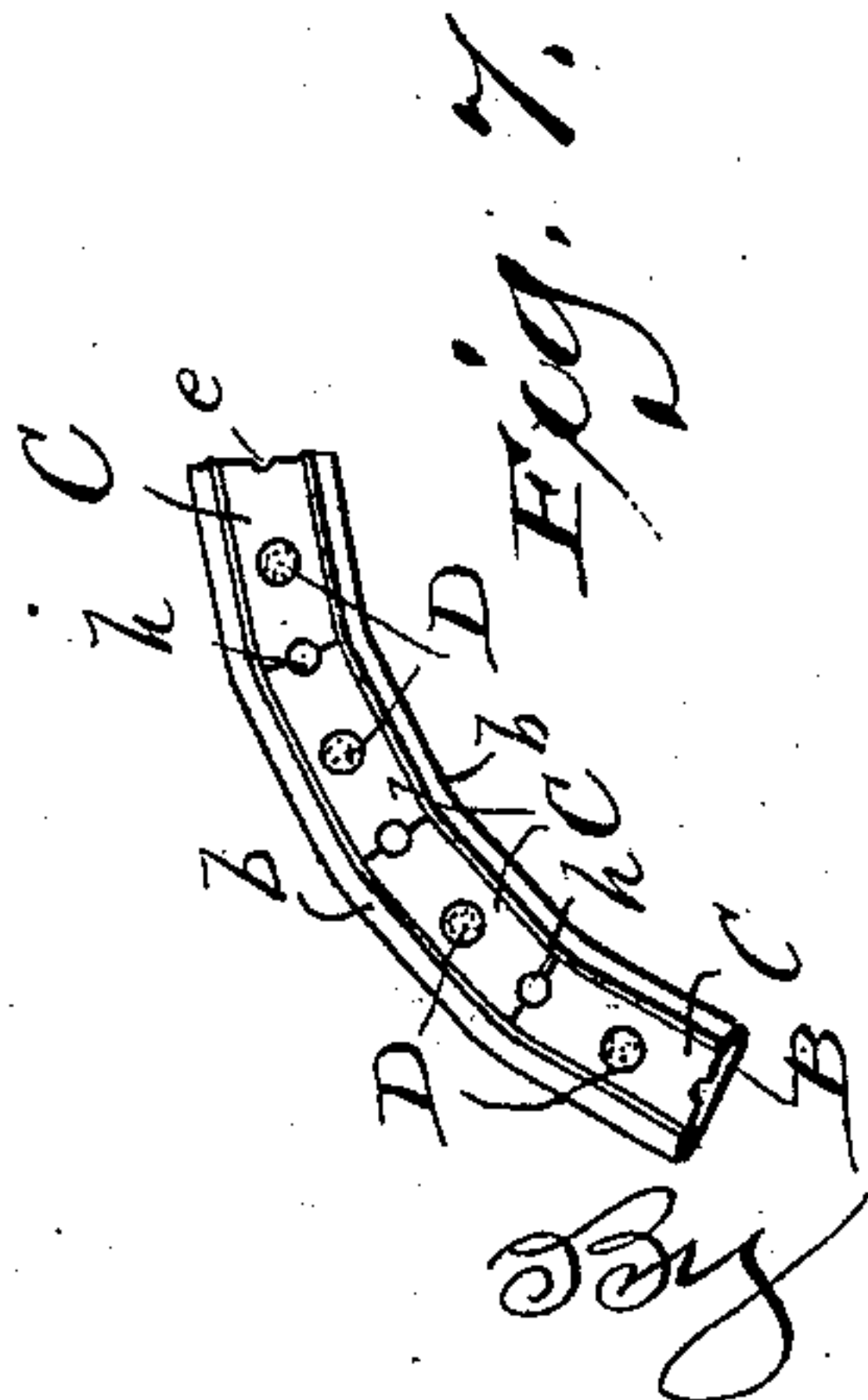


Fig. 4.

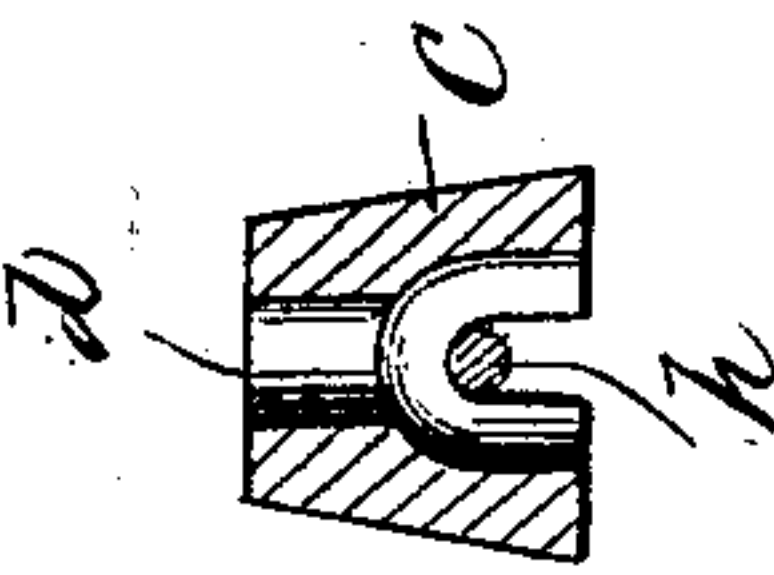


Fig. 5.

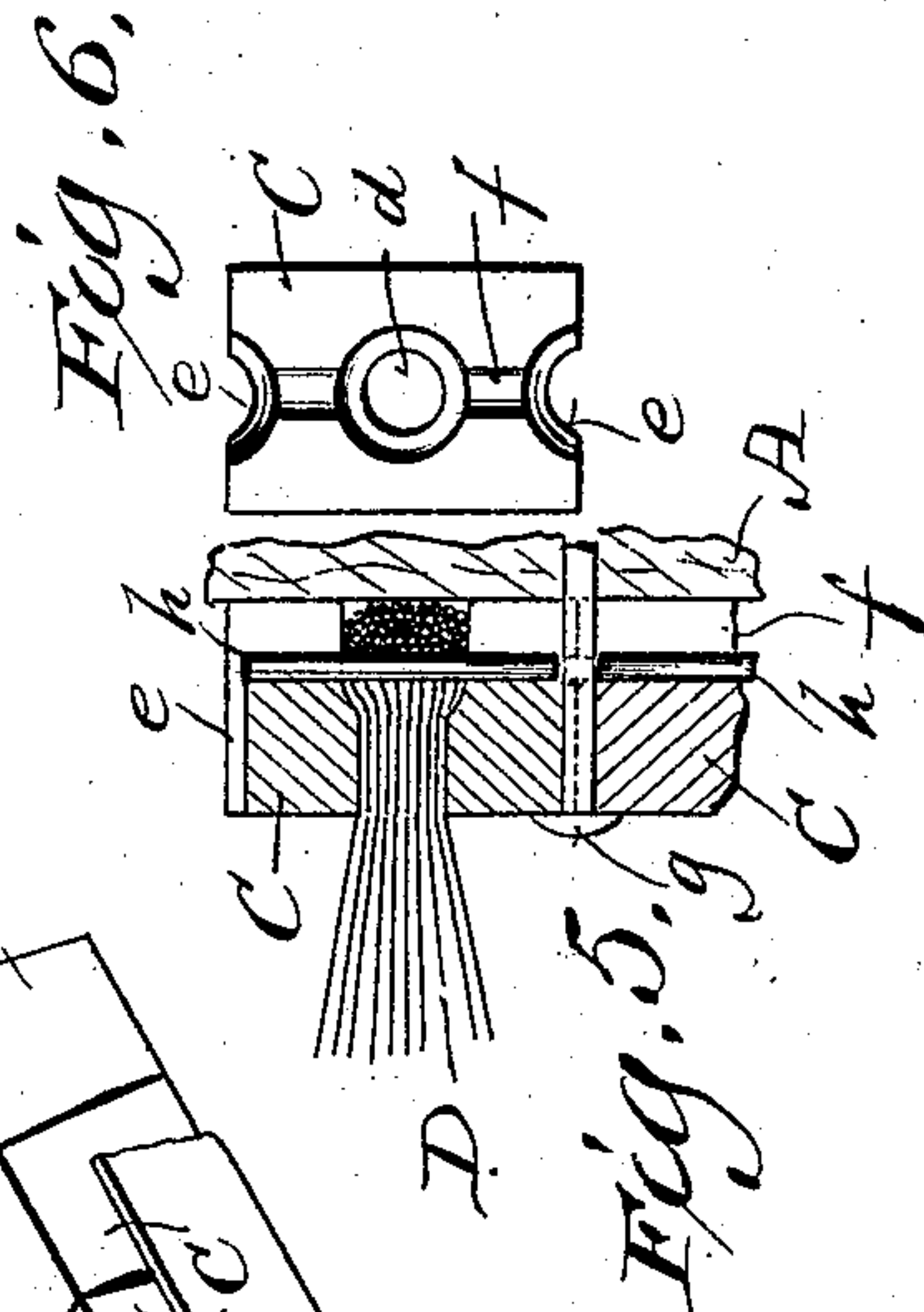


Fig. 6.

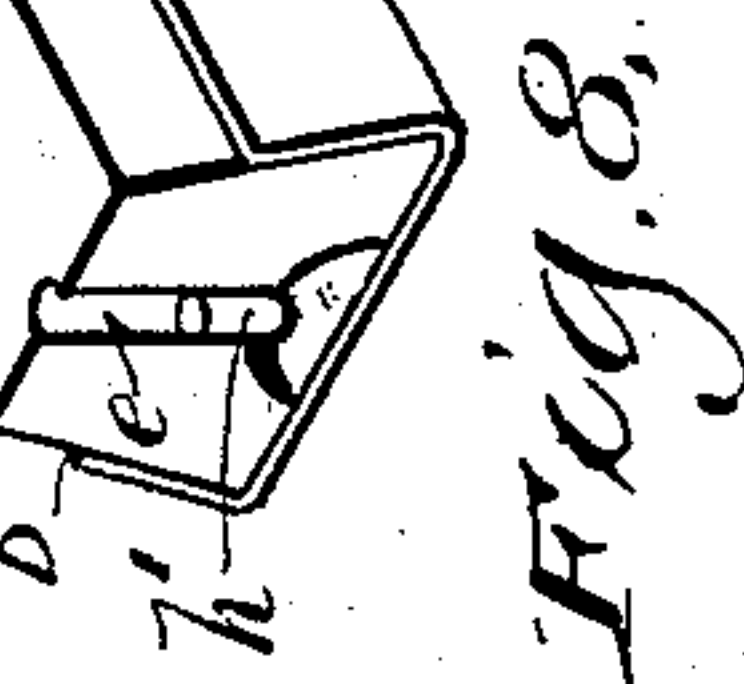


Fig. 7.

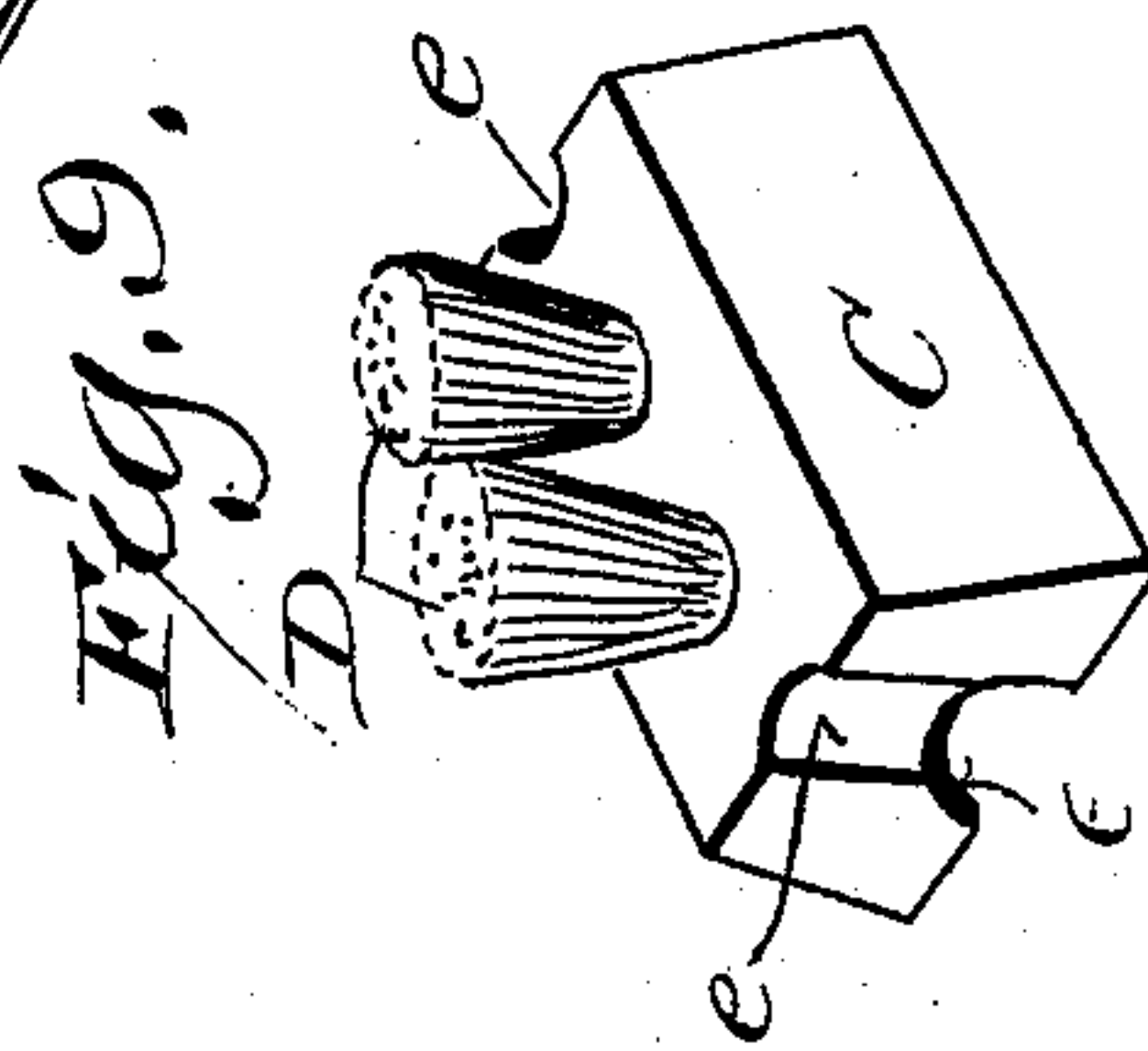


Fig. 8.

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UNITED STATES PATENT OFFICE.

CHARLES H. TESCH, OF MILWAUKEE, WISCONSIN.

BRUSH.

SPECIFICATION forming part of Letters Patent No. 711,544, dated October 21, 1902.

Application filed January 27, 1902. Serial No. 91,350. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. TESCH, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Brushes; and I do hereby declare that the following is a full, clear, and exact description thereof.

The improvements consist in what is hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed, the object of the invention being simplicity and economy in the manufacture of brushes for various uses.

Figure 1 of the drawings represents a plan view of an inverted brush made to embody my improvements; Fig. 2, a transverse section of the same on line 2 2 of the first figure, a fluid-reservoir being shown in this figure in connection with the brush; Fig. 3, a perspective view of a fragment of said brush; Fig. 4, a transverse section of a brush-block; Fig. 5, a longitudinal section of a fragment of another form of brush; Fig. 6, a plan view of a brush-block inverted; Fig. 7, a plan view of a brush fragment inverted, this view illustrating a series of brush-blocks set on a curve; Fig. 8, a perspective view of a brush fragment, and Fig. 9 a similar view of a detached brush-block with a plurality of tufts therein.

Referring by letter to the drawings, A indicates a brush-head, of wood or other suitable material, and B a metallic plate made fast by any suitable means on the inner side of the broad portion of said head. Outwardly-projecting flanges *b* of the plate are arranged in pairs to form dovetail channels for the engagement of tapered blocks C, of wood, rubber, or other suitable material, a series of these blocks being held against longitudinal movement in the channels by inturned ends *c* of the flanges or otherwise, as may be found most convenient or desirable in practice. While I have shown one form of block-backing, the latter and means for holding the blocks thereto may be various in practice. The blocks C, tapered or otherwise, have countersunk vertical openings *d*, end recesses *e*, or both, therein, and, as herein shown, said blocks may be longitudinally grooved upon the upper side, as herein shown in Figs. 2, 5,

and 6, the countersinks of the openings, end recesses or both occurring in each block being intercepted by the groove *f* of same. The end recesses of meeting blocks match to form openings similar to the ones *d* aforesaid, the diameter of the openings being more or less, according to their utility as tuft-sockets or nail-holes. If the end recesses in the block are to match and form nail-holes, the countersinks may be omitted. In Figs. 1, 3, and 5 it is shown that nails *g* may be employed as additional means for holding the blocks to the brush-head, the nails being driven through the plate B if the latter be employed on said head, as above specified, there being an omission of said plate in said Fig. 5.

The material of the socket-fitting brush-tufts is herein shown recurved on wires *h*, engaging the block-grooves *f*; but other means may be utilized for securing said tufts in place. The wires may be continuous and clenched at their ends in block-recesses, as shown at *h'* in Figs. 3 and 8, or they may be in short lengths approximating that of a block, as shown in Fig. 5. There is one tuft in a block, as shown in Figs. 3 and 5, or a plurality of tufts in a block, as is shown in Fig. 9, or all the tufts may be set in openings formed by matching end recesses of blocks in series. (Also shown in Fig. 8.)

As shown in Fig. 7, the blocks may be made to set on a curve, and Fig. 2 shows that a reservoir E may be used in connection with the brush to distribute oil or other fluid to tufts of the same.

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

A brush comprising a backing, blocks in series abutting one another on the backing, tufts of brush material, and means in connection with the blocks for holding the tuft-butts in sockets provided for the same.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CHARLES H. TESCH.

Witnesses:

N. E. OLIPHANT,
GEO. W. YOUNG.