

No. 641,479.

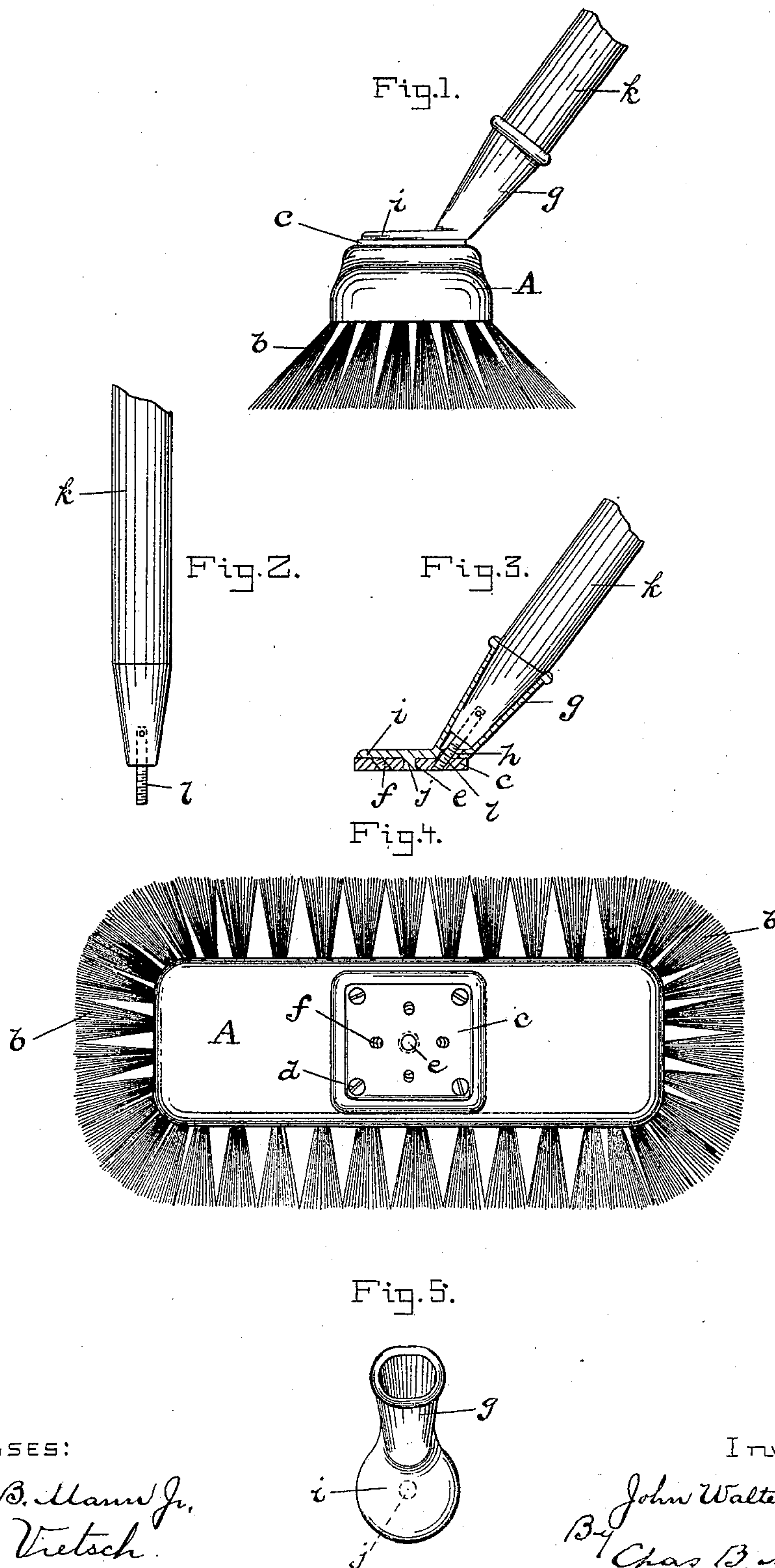
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J. W. TOTTLE.

MEANS FOR ATTACHING HANDLES TO BRUSHES.

(Application filed Sept. 16, 1899.)

(No Model.)



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

JOHN WALTER TOTTLE, OF BALTIMORE, MARYLAND, ASSIGNOR TO  
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## MEANS FOR ATTACHING HANDLES TO BRUSHES.

SPECIFICATION forming part of Letters Patent No. 641,479, dated January 16, 1900.

Application filed September 16, 1899. Serial No. 730,702. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WALTER TOTTLE, a citizen of the United States, residing at Baltimore, in the State of Maryland, have invented certain new and useful Improvements in Attaching Handles to Brushes, of which the following is a specification.

This invention relates to improvements in attaching handles to brushes.

The object of the invention is to provide a brush with a long handle which shall be inclined with respect to the brush-back and also with means for turning the handle, as on a pivot, whereby the position of the handle may be shifted with respect to the brush, so that the wear on the bristles may be even, and also to render the brush available to work into corners and other places difficult of access.

The invention is illustrated in the accompanying drawings, wherein—

Figure 1 illustrates an end elevation of a brush and a portion of the handle having my improved construction. Fig. 2 illustrates the lower end of a handle. Fig. 3 is a sectional view illustrating the swivel connection between the brush-block plate and the socket-plate and shows the lower end of a handle inserted in the socket and secured in the brush-block plate. Fig. 4 is a top plan view of the brush and the plate secured to the brush-block. Fig. 5 is a perspective view of the socket.

Referring to the drawings, letter A designates the brush-block, which may be of any suitable shape and provided with bristles *b*. A metal plate *c* of any preferred shape, but in the present instance square, is rigidly secured to the brush-block by means of screws *d* or otherwise. This plate is provided with a central hole *e*, and a number of screw-threaded holes *f* are in said plate and are located concentrically about said central hole. These concentrically-located holes *f* are oblique or inclined in said plate, for a purpose to be presently explained. A handle-socket *g*, having a hole *h* in its bottom, is provided with an inclined base-plate *i*, which latter on its bottom side has a central depending lug *j*, serv-

ing as a pivot or swivel. The rigid plate *c* and the base-plate *i* of the socket are pivotally secured together by the lug *j* taking in the hole *e* and said lug loosely riveted on the bottom of said rigid plate *c*.

The stick or handle *k* at its lower end is tapered to fit snugly into the socket *g* and has a screw-pin *l* suitably secured in the bottom of said handle and projecting therefrom.

In the application of the device the plate *c* and the socket-plate *i* are first pivotally secured together, as seen in Fig. 3, the lug *j* taking in the hole *e* and being riveted. The small hole *h* in the bottom of the socket is adapted to be registered with any one of the holes *f* in the plate *c* by simply revolving the socket-plate *i*. The plate *c* is then rigidly secured by screws *d* or otherwise to the brush-block A. The lower end the handle *k* is next inserted in the socket *g* with the screw-pin *l* projecting into the hole in the bottom, and the socket-plate and handle are then rotated on the pivot *j* until the socket-hole *h* registers with the desired screw-threaded hole *f* in the rigid plate *c*. The handle is then turned until the screw-pin *l* is screwed into said desired hole *f*, when the handle will be found to be firmly set.

The operation of changing position of the handle is obvious.

The operation and result would be the same if the socket-plate were swiveled directly to the brush-block.

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

1. The combination of a plate having an inclined handle-socket which latter is provided in its bottom with an opening; a handle to fit the socket having a screw-threaded end which passes through the opening in said socket; a brush-block provided with means for receiving the screw-threaded end of said handle, and means pivotally connecting said plate to admit the socket and plate being turned with respect to said brush-block.

2. The combination with a brush-block; a plate, *c*, rigidly secured on top of said brush-block and provided with a number of screw-

threaded holes; a plate having an inclined  
socket which latter is provided in its bottom  
with an opening; means pivotally securing  
said socket-plate to the rigid plate; and a  
5 handle provided in its end with a screw-  
threaded pin which latter passes through the  
opening in the bottom of the socket and is  
adapted to be secured into any one of the

holes in said rigid plate for the purpose set  
forth.

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

JOHN WALTER TOTTLE.

Witnesses:

CHARLES B. MANN, Jr.,  
CHARLES VIETSCH.