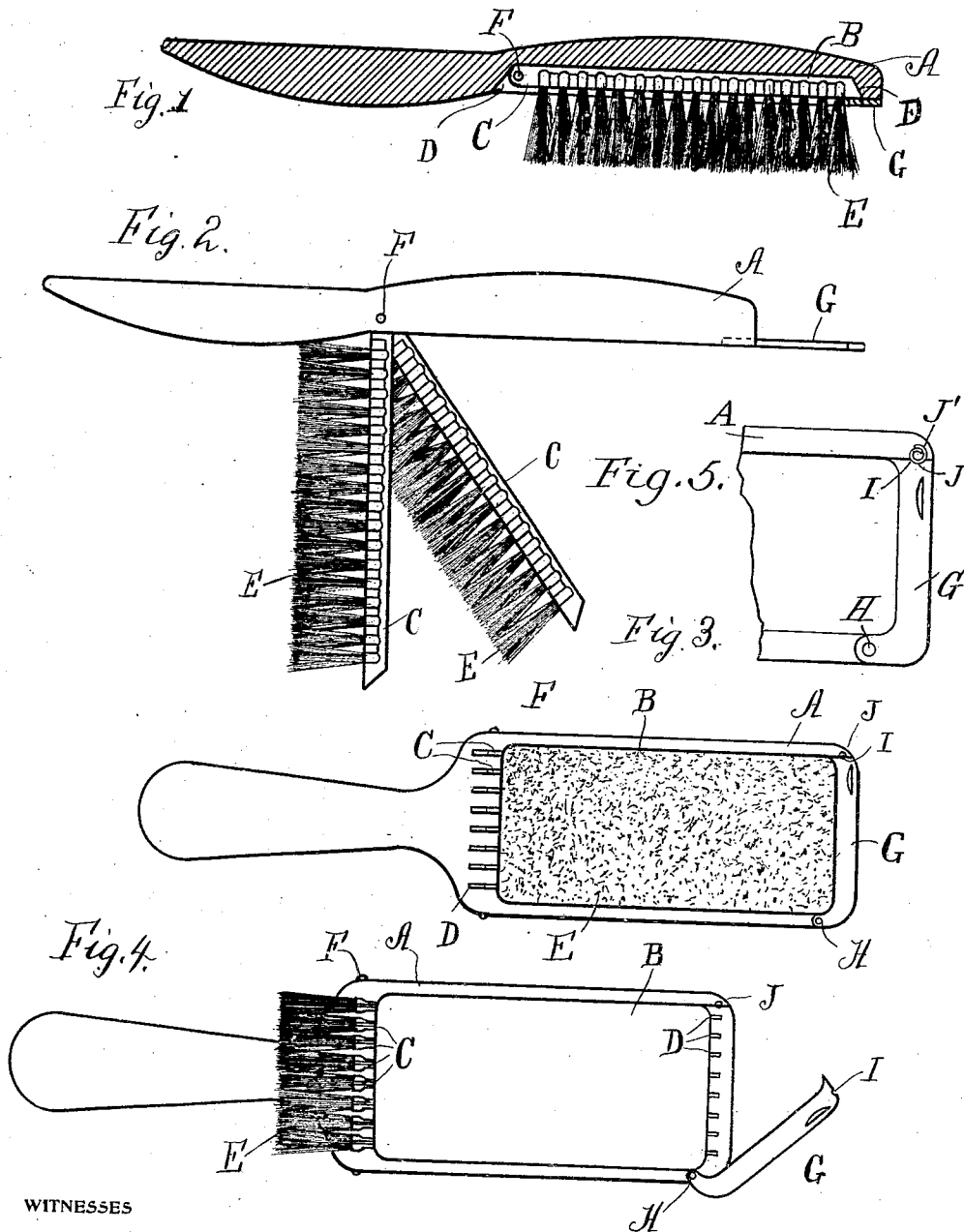


F. M. HANAWAY.  
BRUSH.  
APPLICATION FILED OCT. 9, 1908.

931,602.

Patented Aug. 17, 1909.



WITNESSES

E. N. Schofield.  
S. M. Gallagher.

INVENTOR  
Frank M. Hanaway  
BY  
W. P. Williamson  
ATTORNEY

# UNITED STATES PATENT OFFICE.

FRANK M. HANAWAY, OF GLEN MILLS, PENNSYLVANIA.

## BRUSH.

No. 981,602.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed October 9, 1908. Serial No. 456,881.

*To all whom it may concern:*

Be it known that I, FRANK M. HANAWAY, a citizen of the United States, residing at Glen Mills, county of Delaware, and State of Pennsylvania, have invented a certain new and useful Improvement in Brushes, of which the following is a specification.

My invention relates to a new and useful improvement in brushes, and has for its object to provide an exceedingly simple and effective device of this character whereby the bristle heads may be pivotally and removably secured in the brush head so that the brush may be easily and readily cleaned from time to time.

A further object of my invention is to provide a simple and efficient means for holding the bristle heads in the head of the brush.

With these ends in view, this invention consists in the details of construction and combination of elements hereinafter set forth and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, I will describe its construction in detail, referring by letter to the accompanying drawing forming a part of this specification, in which—

Figure 1 is a longitudinal sectional view of my improved brush. Fig. 2, a side elevation thereof showing one end of the bristle head and bristles removed from the head of the brush. Fig. 3, a bottom view of the brush showing the bristle heads in position for using the brush, and Fig. 4, a similar view showing one end of the bristle heads removed from the brush head. Fig. 5, is an enlarged view of the outer end of the brush for plainly showing the catch.

In carrying out my invention as here embodied, A represents the head of a brush the under side of which is cut away to form the cavity B in which the bristle heads C are adapted to rest, the ends of said bristle heads adapted to engage in the sockets D formed in the head of the brush at either end of the cavity B so that the sockets at one end of the cavity oppose those at the opposite end thereof. In the bristle heads C are fastened the bristles E in any of the well known ways employed by brush manufacturers.

F denotes a pin which passes through the brush and one end of the bristle heads so as

to pivotally secure said bristle heads to the brush head.

G represents a latch pivoted to the head of the brush as indicated at H, the opposite end of the latch G has an indentation I formed therein which is adapted to engage with the catch J which is formed of a piece of spring metal bent so that the ends overlap one another. This spring metal is placed in an opening J' formed in the head of the brush, so that when said latch G is closed it will be held so until some outside force is brought to bear upon the same.

In practice the pin F is placed in the head of the brush through one end of the bristle heads C for pivotally and removably securing said bristle heads to the brush, and when the pin is in position the bristle heads may be swung in or out of the cavity B formed in the brush head. When they are swung in place the opposite ends of the bristle heads engage with the sockets D formed in the brush head at one end of the cavity B at which time the latch G is brought to the position shown in Fig. 3, at which time it will hold the ends of the bristle head in the sockets D.

Of course I do not wish to be limited to the exact details of construction here shown as the bristle heads may be pivoted to either end or the sides of the brush head.

Having thus fully described my invention, what I claim as new and useful, is—

1. A brush having a head with a cavity formed therein and sockets formed at either end of said cavity, bristle heads one end of which are removably and pivotally secured in the sockets at one end of the cavity, a latch one end of which is pivoted to the opposite ends of the bristle heads in the sockets, and means for fastening the free end of said latch to the head of the brush, as specified.

2. A brush having a head with a cavity formed therein and sockets formed at either end of said cavity, bristle heads one end of which are removably and pivotally secured in the sockets at one end of the cavity, a latch having an indentation formed in one end thereof pivoted to the brush head, and means engaging with said indentation for fastening the free end of the latch to the brush head.

3. A brush having a head with a cavity formed therein and sockets formed at either

end of said cavity, bristle heads one end of which are removably and pivotally secured in the sockets at one end of the cavity, a latch having an indentation formed in one  
5 end thereof pivoted to the brush head, and a catch formed with the brush head adapted to engage with the indentation formed in the end of the latch for holding the free end of said latch to the brush head.

10 4. In a brush, a head having a cavity formed therein, and oppositely disposed sockets, bristle heads, a pin for pivotally

securing one end of the bristle heads in one set of sockets, and means for removably securing the opposite ends of the bristle heads 15 in the oppositely disposed set of sockets, and bristles secured to said bristle heads.

In testimony whereof, I have hereunto affixed my signature in the presence of two subscribing witnesses.

FRANK M. HANAWAY.

Witnesses:

EDW. W. ANSTICE,  
S. M. GALLAGHER.