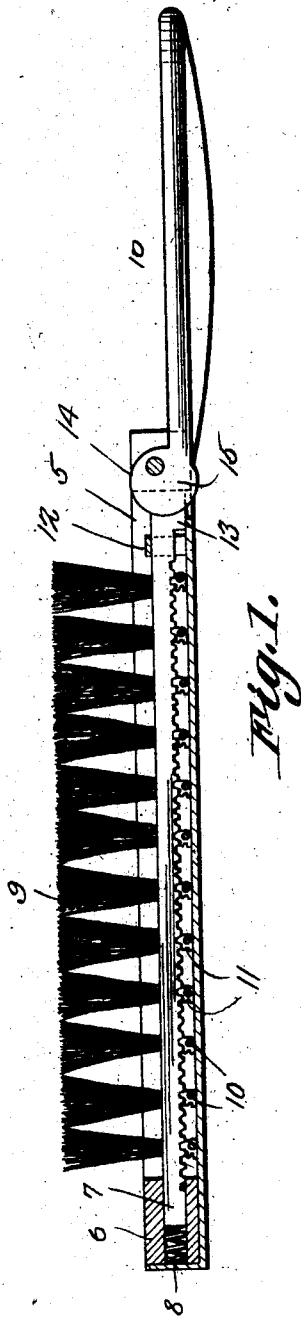


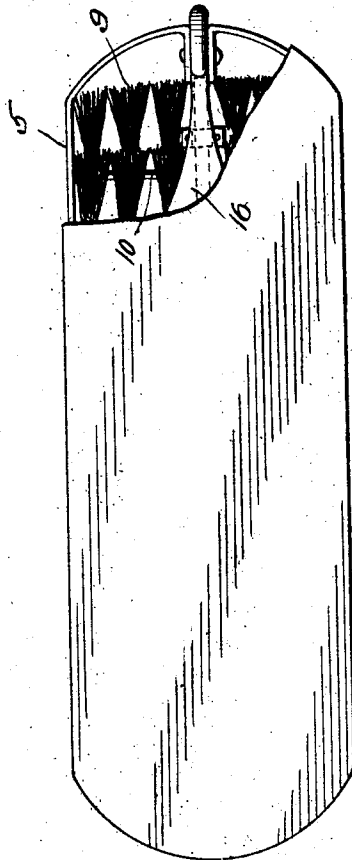
July, 13, 1926.

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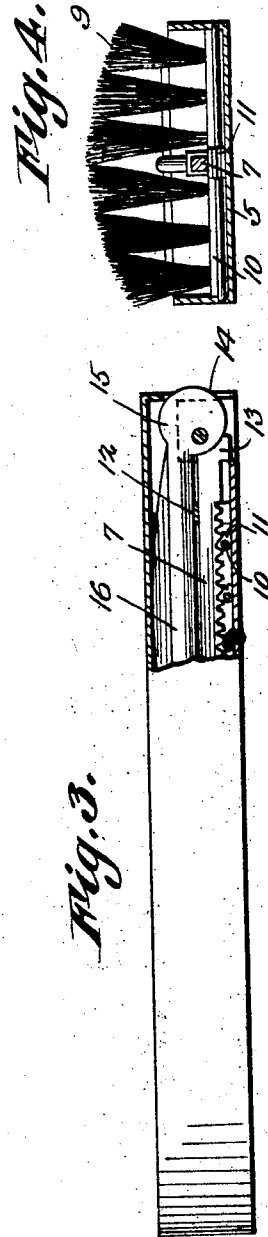
F. L. TOEPPERWEIN  
FOLDING POCKET HAIRBRUSH  
Filed Oct. 7, 1925



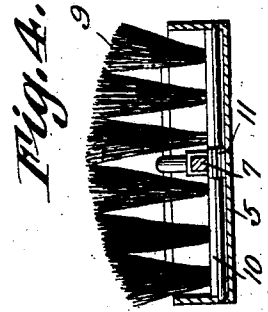
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Fig. 4.*

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## UNITED STATES PATENT OFFICE.

FERDINAND L. TOEPPERWEIN, OF DALLAS, TEXAS.

## FOLDING POCKET HAIRBRUSH.

Application filed October 7, 1925. Serial No. 61,046.

This invention relates to brush construction and aims to provide a novel form of brush wherein the handle may operate to move the bristles of the brush to their active or inactive position, as the handle is being moved to its active or inactive position.

An important object of the invention is to provide a brush of this character wherein the bristles will be completely housed when not in use, to the end that foreign matter will be excluded from the bristles at all times.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that such changes in the precise embodiment of the invention herein disclosed may be made as fall within the scope of the claims, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a longitudinal sectional view through a brush constructed in accordance with the invention.

Figure 2 is a plan view thereof, a portion of the cover of the brush being broken away.

Figure 3 is a side elevational view of the brush, the same being partly broken away to illustrate the bristles and handle, in an inactive position.

Figure 4 is a sectional view taken transversely through the body portion of the brush.

Referring to the drawings in detail, the reference character 5 indicates the body portion of the device which is hollowed out and provided with a guiding block 6 arranged at one end thereof, the guiding block being provided with an opening to receive the outer end of the rack bar 7 as clearly shown by Figure 1 of the drawing.

A coiled spring indicated at 8 is supported within the guide block and engages the outer end of the rack bar 7 to normally urge the rack bar to a position to hold the bristles of the brush to be hereinafter more fully described in their inactive positions.

The bristles which are indicated at 9 are mounted in suitable openings formed in the transversely disposed rods 10, there being

provided segmental gears 11 positioned intermediate the ends of the rods 10 for engagement with the rack bar 7 so that movement of the rack bar will produce a relative movement of the bristle supporting rods 10.

Positioned within the hollow body portion of the brush is a guide 12 under which the rack bar 7 moves, and as shown this rack bar 7 is provided with an enlarged end portion 13 curved to engage the curved surface 14 of the head 15 of the handle portion 16. This head 15 is eccentrically mounted so that as the handle 16 is moved from its active position to its inactive position, the rack bar will be moved rearwardly by the tension of the spring 8 and at the same time the bristles 9 will be moved to positions as shown by Figure 3 of the drawing, where the bristles are protected against foreign matter.

When the handle portion is moved in the opposite direction, it is obvious that the bristles 9 will be moved to their active positions by the action of the curved surface 14 over the curved surface of the head 13.

I claim:—

1. A brush of the character described including a body portion, a plurality of pivoted bristle supporting rods mounted within the body portion, a guide block within one end of the body portion and having an opening, a coiled spring mounted within the opening, segmental gears on the rods, a rack bar cooperating with the segmental gears for moving the rods and bristles and sliding in said guide blocks, said coiled spring adapted to move the rack bar in one direction, and means for moving the rack bar in the opposite direction.

2. A brush of the character described including a body portion, a plurality of bristle supporting rods supported within the body portion, segmental gears on the rods, a rack bar cooperating with the segmental gears for moving the rods, a handle having a head at one end eccentrically pivoted to the body portion, said head adapted to engage one end of the rack bar to move the rack bar longitudinally of the body portion, and means for returning the rack bar to its normal position.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

FERDINAND L. TOEPPERWEIN.