Oct. 30, 1928. 1,689,209

C. MAJEWSKI

BRUSH CLEANER

Filed Dec. 2, 1926

Fig. 1

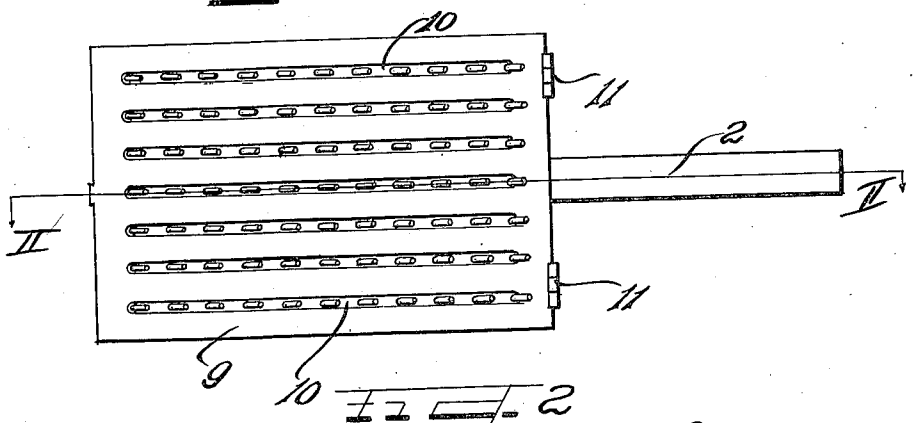



Fig. 2

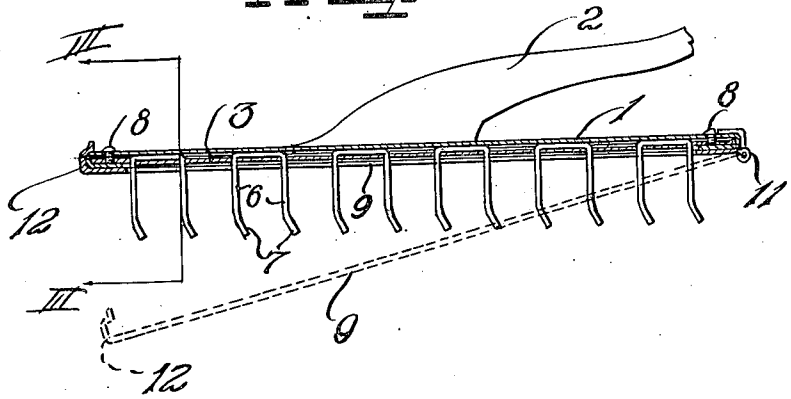
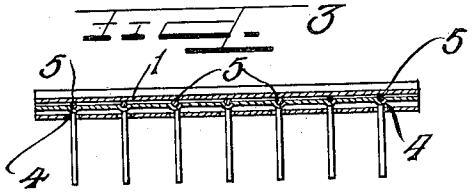



Fig. 3




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# UNITED STATES PATENT OFFICE.

CLARA MAJEWSKI, OF CHICAGO, ILLINOIS.

## BRUSH CLEANER.

Application filed December 2, 1926. Serial No. 152,239.

This invention relates to a brush cleaner and particularly to a device for cleaning hair brushes of dirt, hair and the like, which accumulates on the bristles when the brush is used.

It is an object of this invention to provide a brush cleaner from which the removed dirt and hairs may be readily discharged.

It is a further object of this invention to provide a brush cleaner embodying improved means for mounting and securing the cleaning wires or bristles.

It is also an importnat object of this invention to provide a brush cleaner which is inexpensive and durable and one which may be readily sterilized without injury thereto.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

The invention (in a preferred form) is illustrated on the drawings and hereinafter more fully described.

On the drawings:

Figure 1 is a bottom plan view of a brush cleaner embodying the principles of this invention.

Figure 2 is an enlarged fragmentary section on the line II—II of Figure 1 with the handle shown in elevation.

Figure 3 is a section on the line III—III of Figure 2.

As shown on the drawings:

The reference numeral 1 indicates a back plate to which a suitable handle 2 may be secured. The back plate 1 is preferably of sheet metal construction and positioned adjacent said back plate 1 is a bristle holding plate 3 which is provided with a plurality of depressed portions 4 which are clearly shown in Figure 3 and which afford grooves in which rest longitudinally extending connecting portions 5 of pairs of wire bristles 6, preferably of relatively stiffened material. Said wire bristles 6 are bent rearwardly as indicated at 7 to facilitate the cleaning of hair and the like from the bristles of the hair brush or similar brush through which they may be drawn and, as will be noted from Figure 1, the rows of bristles 6 are preferably in longitudinal alignment. The bristles 6 are secured in position relative to the back plate 1 and the plate 3 by drawing said plates together with screws 8 engaged through registering threaded apertures in said plates. If desired, the screws 8 may be replaced by rivets or other suitable securing means which serve to hold the plates 1 and 3 together in such a manner as to securely clamp the portions 5 therebetween.

In order to facilitate the removal of hairs, dirt and the like, which collect on the bristles after use, in cleaning brushes, a cleaning plate 9 is provided, said plate 9 normally resting adjacent the underside of the plate 3 and being provided with a plurality of longitudinal slots 10 which engage over the bristles to permit movement of said plate 9 relative thereto. One end of the plate 9 is hingedly secured to the back plate 1 by suitable hinges 11 and the other end thereof is adapted to be secured to the ends of the plates 1 and 3 by a suitable spring friction catch 12. It will be evident that by releasing the spring friction catch 12, the plate 9 may be moved about the hinges 11 as indicated in dotted lines in Figure 2 whereby hair, dirt and the like may be stripped from the bristles 6 and removed to a position for convenient discharge from the aforesaid plate 9.

In view of the fact that the bristles 6 and the securing and cleaning plates conveniently lend themselves to a construction which is entirely of metal, it is obvious that the brush cleaner of this invention may be readily sterilized without injury thereto.

It is further obvious that should any of the pairs of bristles 6 become damaged, they may be conveniently replaced by removing the back plate 1 and withdrawing the damaged pair or pairs of bristles, substituting new bristles therefor, and again clamping the plates 1 and 3 together by the screws 8. It will be apparent that I have provided a device which may be effectively used in cleaning hair brushes and the like and which is of inexpensive and durable construction.

The cleaner of this invention further is very useful in cleaning the brushes of carpet sweepers, vacuum cleaners, etc., of the hair, threads and other matter accumulating thereon in use.

I am aware that numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted, otherwise than necessitated by the prior art.

I claim as my invention:

1. A brush cleaner comprising a substantially flat metallic back plate, a grooved and apertured bristle holding plate, relatively stiff metallic bristles passing through the ap-

ertures in the said holding plate and extending therebelow, said bristles having integral portions resting in the grooves of said holding plate and connecting adjacent longitudinally alined bristles to form rigidly positioned pairs of bristles, and threaded means for removably securing said back plate in contact with the bristle holding plate and with the integral portions of the bristles in the grooves.

2. A brush cleaner comprising a substantially flat metallic back, a grooved and apertured bristle holding plate, the ends of said back being downwardly and inwardly bent to embrace the ends of the said bristle holding plate, threaded means tightly and removably securing said plates together, and pairs of bristles extending through adjacent apertures in the holding plate having integral connecting portions within the grooves and in contact with the said back to stiffen and rigidly position each pair of bristles.

In testimony whereof I have hereunto subscribed my name.

CLARA MAJEWSKI.