Oct. 30, 1928. 1,690,022

M. LANGHAUS

POWDER DUSTER

Filed April 10, 1928

Fig. 1.

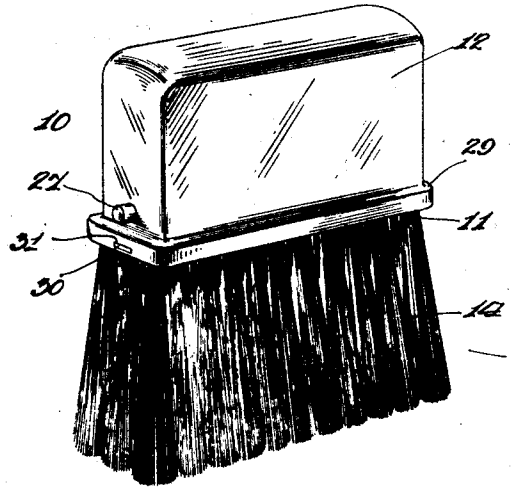


Fig. 2.

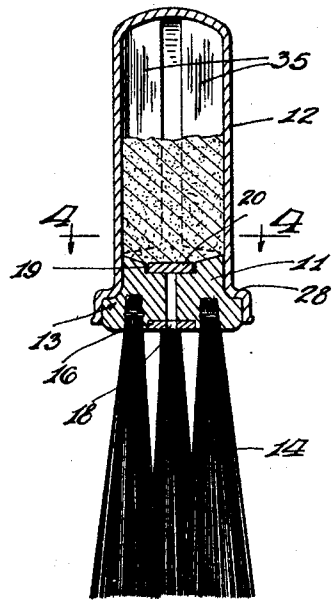


Fig. 3.

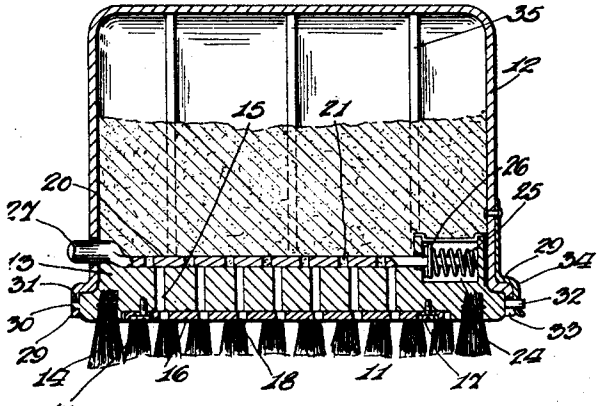


Fig. 4.

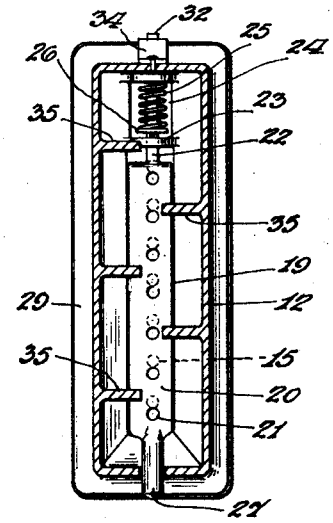
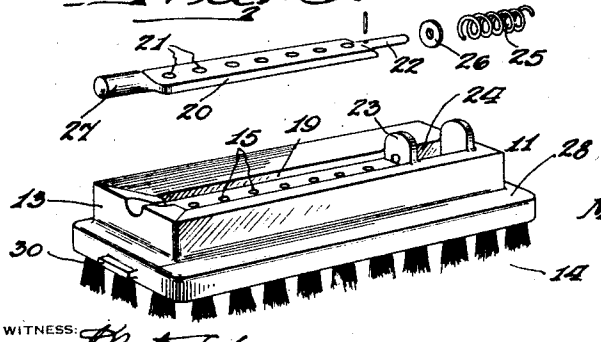


Fig. 5.



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UNITED STATES PATENT OFFICE.

MORRIS LANGHAUS, OF NEW YORK, N. Y.

POWDER DUSTER.

Application filed April 10, 1928. Serial No. 268,956.

This invention relates to improvements in powder dusters for tonsorial purposes.

The primary object of the invention resides in a brush or duster for use by barbers in applying powder to the neck or face of a person for soothing purposes and which heretofore necessitated the shaking of the powder upon the bristles of the brush which resulted in the spilling of the powder and loss of time in preparing the brush for use. In my powder duster, I provide a powder compartment above the bristles of the brush and control the gravity feed of the powder to the bristles by a suitable valve means, whereby such quantities of powder may be dispensed as needed.

Another object of the invention is to provide a powder duster which includes a powder box having a brush section removably associated therewith whereby the parts may be separated for facilitating the filling of the box when empty, and the sterilizing of the brush section for cleaning and sanitary purposes.

A further object of the invention is the provision of a self feeding powder duster which is convenient to handle and operate by one hand of an operator, and which may be constructed and sold at a reasonable price.

With these and other objects in view, the invention resides in certain novel construction and combination and arrangement of parts, the essential features of which are hereinafter fully described, are particularly pointed out in the appended claim, and are illustrated in the accompanying drawing, in which:—

Figure 1 is a perspective view of my improved powder duster.

Figure 2 is a vertical transverse sectional view therethrough.

Figure 3 is a vertical longitudinal sectional view therethrough.

Figure 4 is a horizontal sectional view on the line 4—4 of Figure 2.

Figure 5 is a detail perspective view of the brush section with the slide valve separated therefrom.

Referring to the drawing by reference characters, the numeral 10 designates my improved powder duster in its entirety which includes a brush section 11 and a removable housing 12. The brush section 11 comprises a brush back or body 13 having bristles 14 set therein and which depend from the underside thereof. The brush back is rectangular in plan and is provided with a series of openings 15 which pass therethrough and which constitute discharge openings for the powder adapted to be contained in the housing 12. For restricting the outlet ends of the discharge openings, I provide a regulating plate 16 which is set in the underside of the brush back and held in adjusted position by screws 17, the said plate being provided with openings 18 which may fully register with the openings 15 or partially register therewith to restrict the flow of powder therethrough. The upper face of the brush back is provided with an elongated recess 19 for slidably receiving a slide plate 20 which is provided with suitably spaced openings 21 for register with the openings 15 when it is desired to dispense a quantity of the powder from the housing to the bristles of the brush. The inner end of the slide plate is provided with a reduced stem 22 which is slidably mounted in an ear 23 rising from the brush back and which stem extends into a recess 24 in which an expansion spring 25 is arranged and which acts against one wall of the recess and washer 26 on the stem. This spring acts to hold the plate in a position with the openings 21 therein out of register with the openings 15 in the brush back. The slide plate 20 constitutes a valve for controlling the discharge of powder from the powder compartment. The plate 20 is also provided with a manipulating element 27 which extends through one of the end walls of the housing 12 and by which an operator may actuate the slide plate against the action of the spring 25 to bring the openings 21 and 15 into registration.

The brush back 13 is provided with a flange 28 with which the flange 29 on the housing 12 engages to provide a tight seal between the brush back and the housing for preventing the accidental leakage of powder through the joint. One end of the brush back is provided with a lug 30 for reception in a slot 31 in the housing 12, while the opposite end of the brush back has a pin 32 extending therefrom for reception in a slot 33 in the opposite end of the housing 12. The housing is attached to the brush back by causing the lug 30 to seat in the openings 21 whereupon the housing is swung down so that the pin 32 enters the slot 33, after which a spring catch 34 carried by the housing snaps over the pin and locks the

housing to the brush section. By releasing the catch 34 the parts may be separated for facilitating the filling of the housing with powder when necessary.

Baffle walls 35 extend inwardly from opposite walls of the housing and are disposed in staggered relation and which are intended for disintegrating the powder by shaking the duster in order that the particles of powder are prevented from becoming lumpy whereupon they would not pass through the restricted discharge openings.

The housing 12 constitutes a handle for the duster and is grasped by one hand of an operator who is able to press the manipulating element 27 with the thumb of the same hand which holds the duster when it is desired to permit a supply of powder to be dispensed to the bristles of the brush section. The powder drops on to the bristles and is applied to a user in the usual manner. By having the housing removable from the brush section, the brush section may be cleaned and sterilized when necessary and also the housing may be refilled with powder when the supply becomes exhausted.

While I have described what I deem to be the most desirable embodiment of my invention, it is obvious that many of the details may be varied without in any way departing from the spirit of my invention, and I therefore do not limit myself to the exact details of construction herein set forth nor to anything less than the whole of my invention limited only by the appended claim.

What is claimed as new is:—

A powder duster comprising an elongated brush back having bristles extending therefrom, and openings extending therethrough, a housing removably supported by said brush back for containing a supply of powder, staggered baffle walls within said housing for disintegrating the powder upon shaking the duster, a plate slidably mounted on said brush back having openings therein for register with openings in said brush back, spring means acting upon said plate to normally dispose the openings therein out of registration with the openings in said brush back, and a manipulating element extending from said plate to the exterior of said housing by which said plate may be moved against the action of said spring upon manual depression of said manipulating element to cause registration of said openings to allow powder from said housing to freely pass to said bristles.

In testimony whereof I have affixed my signature.

MORRIS LANGHAUS.