C. WEIGEL.

CLOTHES BRUSH.

APPLICATION FILED DEC. 23, 1912.

1,113,589. Patented Oct. 13, 1914.

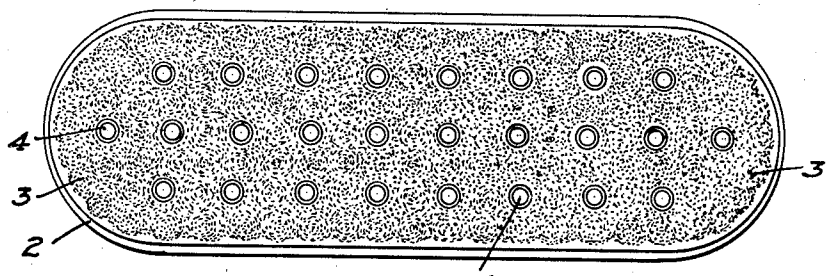


FIG. 1.

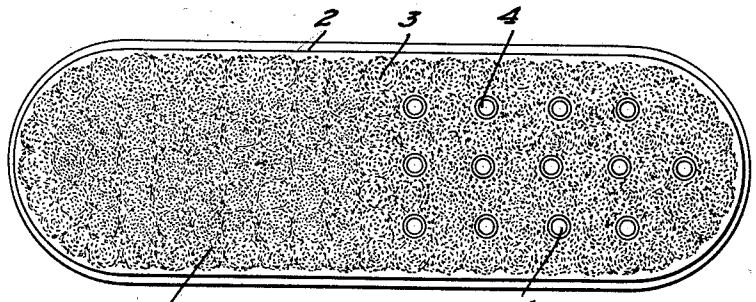


FIG. 2.

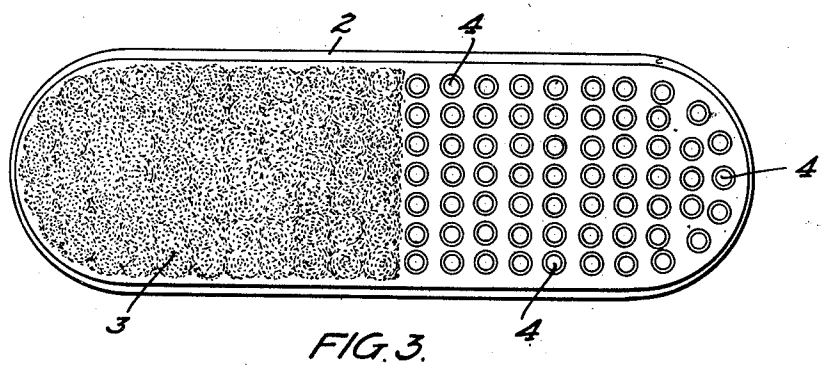


FIG. 3.

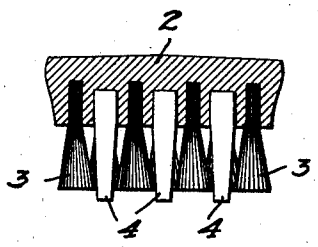


FIG. 4.

WITNESSES
M. R. McInnis
H. E. Sorensen

INVENTOR
CHARLES WEIGEL
BY
Paul & Paul
ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES WEIGEL, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF TO CHARLES M. THOMSEN, OF MINNEAPOLIS, MINNESOTA.

CLOTHES-BRUSH.

1,113,589. Specification of Letters Patent. Patented Oct. 13, 1914.

Application filed December 23, 1912. Serial No. 738,297.

To all whom it may concern:

Be it known that I, CHARLES WEIGEL, a citizen of the United States, resident of Minneapolis, in the county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Clothes-Brushes, of which the following is a specification.

The object of my invention is to provide a clothes brush which will effectually remove the shiny, glossy appearance which clothing will frequently assume when the nap has worn off and the threads of the cloth laid bare.

The invention is adapted for use with either cheviot or worsted goods and is particularly effective with cloth having what is known as a "hard" finish.

The invention consists generally in providing the brush with a series of abrasive bristles in addition to those for removing the dust or lint from the garment.

In the accompanying drawing forming part of this specification, Figure 1 is a bottom view of a brush embodying my invention, Fig. 2 is a similar view, illustrating the abrasive fingers at one end of the brush, mingled with the bristles at that end, Fig. 3 is a bottom view showing the bristles at one end and the abrasive fingers at the other end, Fig. 4 is a transverse sectional view, showing the preferred form of the fingers projecting beyond the bristles.

In the drawing, 2 represents the back of the brush, made in any suitable form. In this back the bristles 3, such as are usually used in brushes, are mounted in the usual way. Intermingled with the groups of bristles I provide a series of fingers 4 of flexible material, preferably rubber, which are impregnated with a gritty substance to render them abrasive. These fingers are of suitable size, preferably tapered in form, secured at one end in the back of the brush by any suitable means and preferably projecting outwardly beyond the bristles. The fingers may be arranged at intervals between the groups of bristles, as shown in Fig. 1, from one end of the brush to the other, or they may be grouped at one end of the brush, as shown in Fig. 2, or as illustrated in Fig. 3, the bristles may all be arranged at one end of the brush, while all of the abrasive fingers are located at the opposite end. This arrangement of the fingers and bristles is, however, a matter of choice and may be varied to suit the convenience of the manufacturer.

In passing the brush over a smooth or shiny garment the abrasive fingers will roughen the material and take away the worn, shiny appearance, while the bristles will brush away the loose lint and dust. In this way a worn garment may be renovated and freshened and its shiny appearance removed.

I claim as my invention:—

1. A clothes brush having a cleaning surface composed of a set of flexible fingers formed with abrading surfaces adapted to lift the nap of a cloth surface, and a set of relatively softer and non-abrading bristles, the sets of fingers and bristles coöperating one to lift the nap by abrasion and the other to remove particles loosened and detached by the abrading surfaces, substantially as described.

2. A brush comprising a back and fibrous bristles mounted therein and a series of fingers of resilient material mounted in said back and impregnated with a gritty substance, the shanks of said fingers being comparatively flexible and their tips operating to roughen a cloth surface.

3. A brush comprising a back and fibrous bristles mounted therein, and a series of abrasive fingers mounted in said back and having tips extending outwardly beyond said bristles.

4. A brush comprising a back, fibrous bristles mounted therein, and a series of rubber fingers mounted at intervals in said back, said fingers being provided with abrasive tips which are adapted to roughen a shiny cloth surface.

In witness whereof, I have hereunto set my hand this 19th day of December, 1912.

CHARLES WEIGEL.

Witnesses:
F. R. WOODARD,
EDWARD A. PAUL.