April 14, 1925. 1,533,765

P. SCHMALFUSS

APPARATUS FOR CLEANING BOOTS AND SHOES

Filed June 9, 1924

Fig. 1

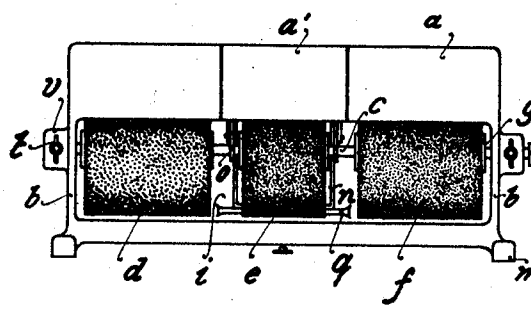


Fig. 2

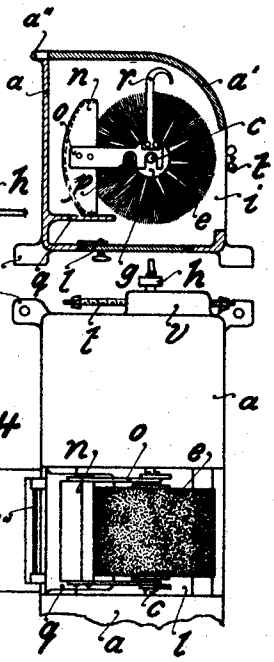


Fig. 3

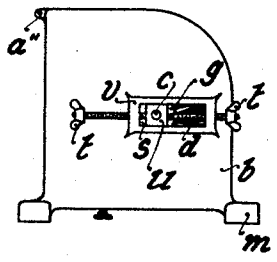


Fig. 4

Fig. 5

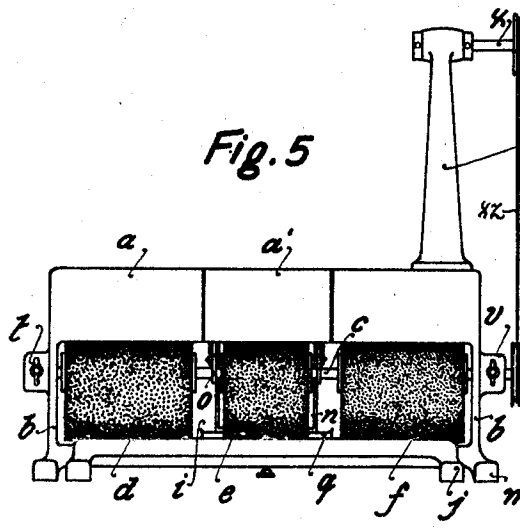
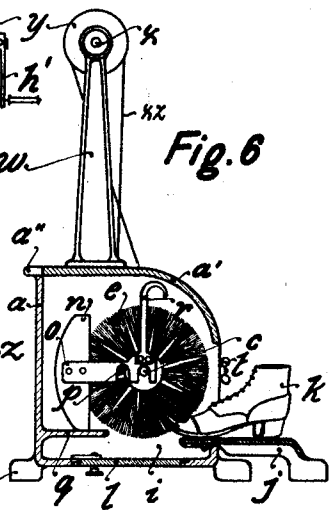


Fig. 6



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UNITED STATES PATENT OFFICE.

PAUL SCHMALFUSS, OF SEIFERITZ, NEAR MEERANE, GERMANY.

APPARATUS FOR CLEANING BOOTS AND SHOES.

Application filed June 9, 1924. Serial No. 718,989.

To all whom it may concern:

Be it known that I, PAUL SCHMALFUSS, a German citizen, and residing at Seiferitz, near Meerane, Saxony, Germany, have invented certain new and useful Improvements in an Apparatus for Cleaning Boots and Shoes, of which the following is a specification.

This invention relates to an improved apparatus for cleaning boots and shoes, which essentially comprises a plurality of brush rollers mounted on a common shaft and adapted to be set in rotation by means of a hand crank while the boot or shoe is held against said brushes.

The improved apparatus is illustrated on the accompanying drawing in two suitable forms of construction:

Fig. 1 is a front view of one form adapted to be placed on a table or the like for cleaning boots and shoes held by hand,

Figs. 2 and 3 are respectively a sectional side view and a side view of the same, while

Fig. 4 is a fragmentary plan view of the same, partly in section;

Figs. 5 and 6 being similar views to Figs. 1 and 2 of another form adapted for cleaning boots and shoes on the foot of the person wearing the same.

Referring to Figs. 1 to 4 inclusive, the apparatus comprises a box or casing *a* of any appropriate material, in the side walls *b* of which the brush roller shaft *c* is revolubly mounted. Said shaft carries fixed brush rollers *d*, *e*, *f* arranged side by side thereon and designed for different purposes of cleaning: for instance, the brush *d* for removing dust and dirt, the brush *e* for applying the boot polish, and the brush *f* for polishing; *g* indicating the bosses of said brush rollers. The shaft *c* projects at one end beyond said casing *a* and carries here a hand crank *h* which, if desired, may be removable. The casing *a* is open at its lower front side *i*, through which opening the boot or shoe can be held by hand in any position against the brush rollers. The dust and dirt removed from the boot or shoe is collected at the bottom *l*, of the casing *a* and can be removed therefrom by opening said bottom which for this purpose is hinged to the casing. Lugs *m* on the casing *a* serve to fix the apparatus on a table, bench, or the like. Within the casing *a* and behind the brush roller *e* a boot polish receiver *n* is arranged in such a way that the rotating brush roller makes contact with the boot polish, said receiver being adjustable with reference to the brush roller *e*, for which purpose it is carried by two arms *o* having a series of, preferably two, notches *p* therein by either of which they can be attached to the shaft *c* (Fig. 2). Upright links *r* on said arms *o* serve to facilitate said adjustment, for which purpose furthermore the middle part *a'* of the casing cover is hinged at *a''* and can be raised. The lower end of the receiver *n* is supported on a fixed plate *q* forming part of the casing *a*. To permit a long use of the brush rollers though the same become worn, the shaft *c* is adjustable toward the front opening *i* of the casing *a*, for which purpose it is supported in horizontal slots *s* of the side walls *b* of the casing *a* by means of sliding-blocks *u*, which can be adjusted in forward and rearward directions by means of screws *t* located in integral bosses *v* of the casing side walls *b*.

In the construction shown in Figs. 5 and 6, the casing *a* carries a column *w* in the upper end of which a gearing axle *x* is revolubly mounted. Said axle carries, beside the crank handle *h'*, a cord roller *y* which is connected with another cord roller *z* on the shaft *c* by means of a cord *x z*. A separate platform *j* serves to put the foot with the boot *k* thereon, said platform extending through the open front side *i* of the casing.

What I claim, is:

1. Apparatus for cleaning boots and shoes, comprising in combination, a casing with open front side, a rotary shaft mounted in the side walls of said casing, a plurality of fixed brush rollers on said shaft within said casing, and a polish receiver located within said casing and behind one of said brush rollers in contact with the same and adapted to be adjusted with reference to said roller, substantially as set forth.

2. In an apparatus as specified in claim

1, a fixed plate forming part of said casing to support the lower end of said receiver, and fixed arms on said receiver having notches therein by either of which they can be attached to said shaft, substantially as set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

PAUL SCHMALFUSS.

Witnesses:
RUDOLPH FRICKE,
WILLY STIER.