

W. G. CALLENDER.
SHOE CLEANER.
APPLICATION FILED APR. 1, 1911.

1,014,691.

Patented Jan. 16, 1912.

Fig. 1.

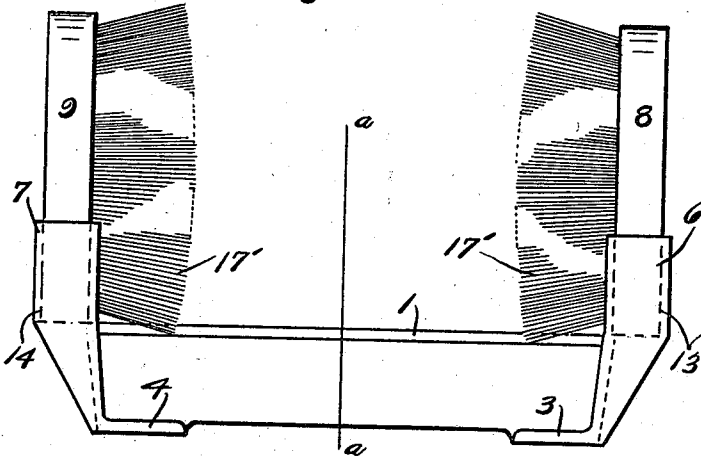


Fig. 2.

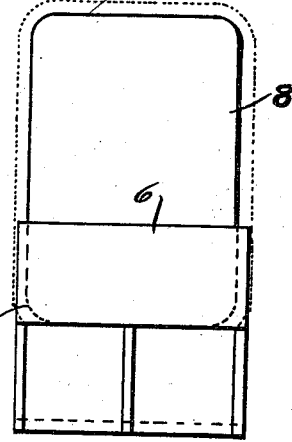


Fig. 4.

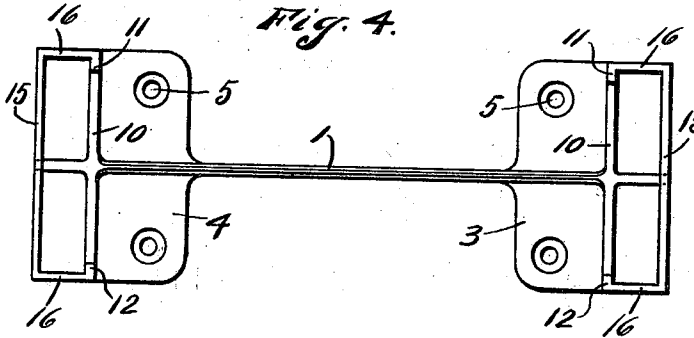


Fig. 3.

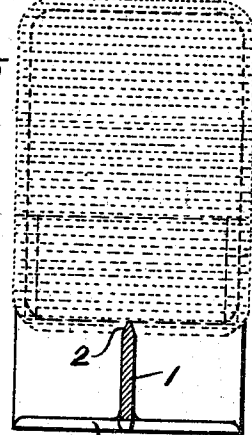


Fig. 5.

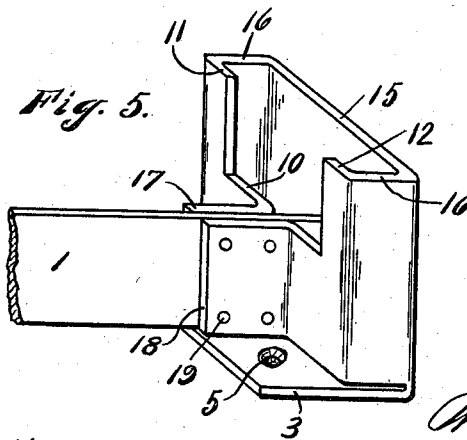
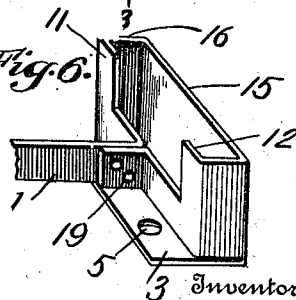


Fig. 6.



Witnesses
William M. Bell
William W. Ackerman

By

W. G. Callender
John L. Young
his Attorney

UNITED STATES PATENT OFFICE.

WARD G. CALLENDER, OF MANSFIELD, OHIO, ASSIGNOR OF ONE-THIRD TO JOHN L. YOUNG, OF MANSFIELD, OHIO.

SHOE-CLEANER.

1,014,691.

Specification of Letters Patent.

Patented Jan. 16, 1912.

Application filed April 1, 1911. Serial No. 618,428.

To all whom it may concern:

Be it known that I, WARD G. CALLENDER, a citizen of the United States of America, residing at Mansfield, in the county of Rich-
land and State of Ohio, have invented cer-
tain new and useful Improvements in Shoe-
Cleaners, of which the following is a speci-
fication:

My invention relates to improvements in
shoe cleaning devices, by means of which
mud or other foreign matter may be scraped
from the bottom of the heel and sole of a
boot or shoe, and brushed from the edges of
the heel and sole, and sides of the vamp
simultaneously.

It is evident that if shoe cleaners of the
character indicated are provided with
screws, clamps, or other fastening means to
hold the brushes in yielding or fixed rela-
tion to each other, all of these will neces-
sarily increase the cost, and render very dif-
ficult the replacing of the brushes when
worn.

The objects of my invention are, therefore,
to provide a shoe cleaner of extremely sim-
ple, efficient and durable construction, and
in which the brushes may be very easily and
quickly replaced when worn. These and
other objects are attained by the mechanism
hereinafter fully described and illustrated
in the accompanying drawings, in which:—

Figure 1 is a side elevation of my im-
proved shoe cleaner. Fig. 2 is an end eleva-
tion of the same. Fig. 3 is a sectional eleva-
tion, on line *a— a* of Fig. 1. Fig. 4 is a top
plan view with the brushes removed. Fig.
5 is a view in perspective, showing a modi-
fication of the construction of the scraper-
plate and brush-holders. Fig. 6 is a per-
spective view showing another modification
of the construction of the scraper-plate and
brush-holders.

In the drawings, reference numeral 1 in-
dicates a scraper-plate, preferably having its
upper edge beveled or wedge shaped as
shown at 2 in Fig. 3, and which is provided
at each end with the flange portions or sup-
porting feet 3 and 4, having apertures 5
formed therein, by means of which the de-
vice may be supported and securely held in
place across the end of a porch step or other
desired place. The scraper-plate 1 is also
provided at each end with the upwardly ex-
tending, hollow rectangular portions 6 and
7 which serve as brush-holders for the

brushes 8 and 9: The brush-holders 6 and
7 have a portion of their inner walls 10 cut
away, leaving the laterally projecting rib
portions 11 and 12; the lower extremities 13
and 14 of the brush backs being adapted to
seat in the space thus formed between the
flange portions 11 and 12 and outer wall 15,
and sides 16 of the brush-holders 6 and 7.
The bristles 17 of the brushes 8 and 9 pro-
ject inwardly through the space formed be-
tween the rib portions 11 and 12, and over
the adjacent ends of the scraper-plate 1; the
said bristles approaching each other to
within a distance substantially equal to the
width of a medium size boot or shoe.

The brush-holders 6 and 7 are formed to a
suitable size to closely fit the outer perimeter
of the brush backs, which are adapted to be
driven or forced downwardly into the said
brush-holders, and by reason of said close fit-
ting no other clamping or fastening means is
required. It will thus be observed that the
brushes 8 and 9 are rigidly secured in a verti-
cally disposed position above, and at oppo-
site ends of the scraper plate 1.

When it is desired to replace the worn
brushes it is only necessary to tap alter-
nately the sides of the brush backs when
they will loosen, after which the said brushes
may be readily removed and new ones sub-
stituted.

It will be evident that the bristles in the
lower parts of the brushes, or those which
lie close to the scraper-plate will receive the
most wear, and in order to facilitate wear-
ing the bristles in the upper portion of the
brushes when those in the lower portion
are worn, the brushes may be reversed, that
is, turned end for end in the brush-holders.

In the modification shown in Fig. 5 the
scraper-plate 1 is formed of a rectangular
piece of sheet metal, such as rolled steel, be-
ing cut to the desired length, while the
brush-holder 6 as shown, may be stamped
and formed from a single piece of the same
material. The said brush-holder being pro-
vided with the inwardly projecting flange
portions 17 and 18, between which the
scraper-plate 1 is rigidly secured by means
of through going screws or rivets 19.

In the use of my improved shoe cleaner,
the shoe is drawn across the scraper-plate 1,
and between the brushes 8 and 9, thus scrap-
ing the mud or other foreign matter from
the bottom of the heel and sole, and brush-

ing the edges of the said heel and sole, as well as the sides of the counter and vamp simultaneously. It will be evident of course, that if the shoe is of small size it will be necessary to draw the said shoe across the scraper-plate, first with one side in contact with the bristles of the brush 8, and again with the other side in contact with the bristles of the brush 9. It is also obvious that it will be necessary to properly manipulate the foot, that is, turn it to one side or the other in order to brush the rear part of the heel and front of the toe of the shoe.

While I have shown and described the preferred construction, with a single modification of my improved shoe cleaner, yet it is evident that further modifications may be made in the construction without departing from the spirit and scope of my invention; for instance the brush holders and scraper-plate may be stamped and formed from a single piece of sheet metal, as shown by Fig. 6.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent, is:—

1. A shoe cleaner comprising a pair of hollow open topped brush-holders, supporting feet, and a scraper-plate; all integral, a brush carried by each brush-holder, said brushes being removably secured in a vertically disposed position, and in a fixed relation to each other, at opposite ends of the

said scraper-plate, said brush-holders projecting above said scraper-plate and being provided with oppositely arranged openings through which the lower portion of the bristles of the said brushes project, so that they will lie over the adjacent ends of the said scraper-plate, substantially as described.

2. A shoe cleaner comprising a pair of hollow open topped brush-holders, supporting feet, and a scraper-plate, all integral, a brush carried by each brush-holder, the lower portion of the backs of said brushes being adapted to seat in the said brush-holders, whereby to removably secure the said brushes in a vertically disposed position, and in a fixed relation to each other, at opposite ends of the said scraper-plate, said brush-holders projecting above said scraper-plate and being provided with oppositely arranged openings through which the lower portion of the bristles of the said brushes project inwardly, so that they will lie over the adjacent ends of the said scraper-plate, the said brushes being reversible in the said brush-holders, substantially as, and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WARD G. CALLENDER.

Witnesses:

JOHN L. YOUNG,
WILLIAM W. ACKERMAN.