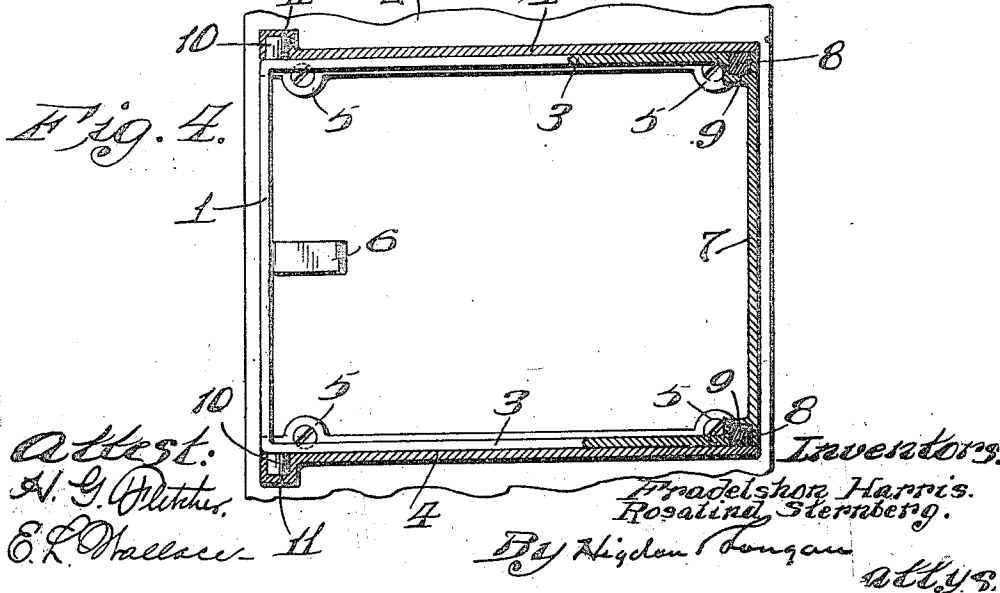
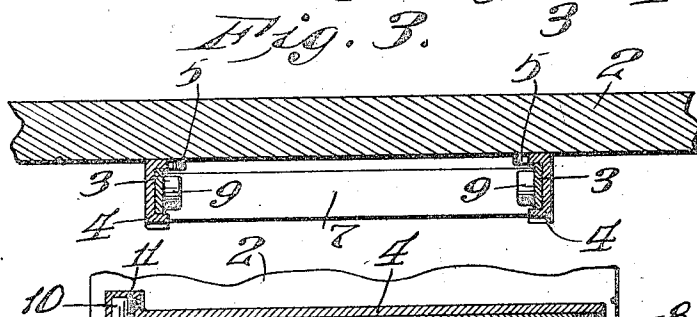
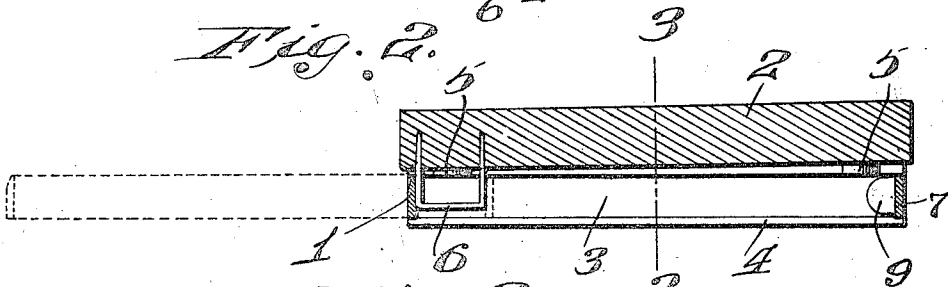
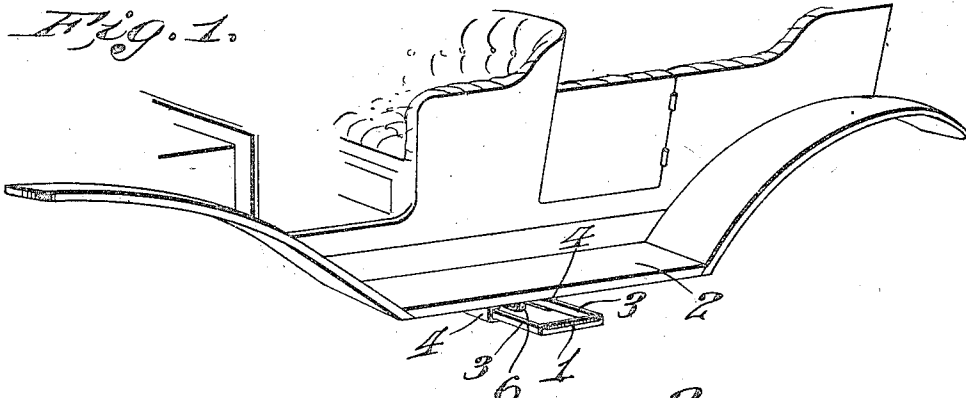


F. HARRIS & R. STERNBERG.
SHOE CLEANER.
APPLICATION FILED JUNE 18, 1910.

1,017,096.

Patented Feb. 13, 1912.



UNITED STATES PATENT OFFICE.

FRADELSHON HARRIS AND ROSALIND STERNBERG, OF ST. LOUIS, MISSOURI.

SHOE-CLEANER.

1,017,096.

Specification of Letters Patent.

Patented Feb. 13, 1912.

Application filed June 16, 1910. Serial No. 567,127.

To all whom it may concern:

Be it known that we, FRADELSHON HARRIS and ROSALIND STERNBERG, citizens of the United States, and residents of St. Louis, Missouri, have invented certain new and useful Improvements in Shoe-Cleaners, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

Our invention relates to an autoist's shoe cleaner, and consists in the novel construction of parts hereinafter described and pointed out in the claims.

The object of our invention is to provide an improved shoe-cleaning attachment for automobiles.

In the drawings, Figure 1 is a perspective view of a portion of an automobile having our invention applied thereto. Fig. 2 is a transverse-section of the running-board of the automobile, showing the shoe-cleaner in detail beneath said running-board. Fig. 3 is a detail section, taken on line 3—3 of Fig. 2. Fig. 4 is an inverted plan-view of the shoe-cleaner applied to the underside of the running-board, parts being in section.

Heretofore, autoists have experienced great inconvenience and discomfort by being compelled to get into their automobiles with muddy shoes, which have soiled and damaged the machines by contact therewith of the soiled shoes.

Our improved shoe-cleaner consists in a sliding or "telescopic" foot-cleaner or scraper 1 which is preferably mounted to slide beneath the running-board 2, so that the foot-cleaner may be quickly drawn out into "scrapping" position, and almost instantly replaced beneath the running-board after the shoes of the autoist have been cleaned. The scraper 1 is preferably the front bar of a right-angled sliding-frame, the side-bars 3 of which are mounted to slide in U-shaped guide-bars 4 secured by ears 5 to the underside of the running-board. Said guide-bars 4 are preferably inclined a little, so that the cleaner will have to slide slightly up grade in moving from its normal position beneath said running-board, thereby overcoming in a measure the tendency of the cleaner to fly outward by centrifugal force in rounding short turns in the road or track, and also preventing the cleaner from sliding out when the car is on the side of a hill in a "tipped" position. A

suitable stop 6, in the present instance in the shape of a common staple driven into the underside of the running-board 2, is provided to be engaged by the rear bar 7 of the cleaner. Said stop prevents the cleaner from being pulled out too far. Friction-blocks 8, of rubber or any suitable material, are seated in pockets 9 formed in the rear portion of the sliding frame, so that said friction-blocks bear against the inner surface of said guide bars 4, and retain the cleaner in any position in which it may be placed, and said blocks also prevent any possibility of the sliding-frame being lost should the stop 6 become detached. Additional friction-blocks 10 are seated in pockets 11 of the said guide-bars 4, so as to bear against the outer face of the side-bars of said sliding-frame.

Numerous changes which would suggest themselves to the mind of a skilled mechanic may be made in our invention without departing from its spirit, and therefore we do not limit ourselves to the exact construction of details herein-shown.

The operation is obvious; the autoist simply grasping the scraper 1 and pulling it out to operative position when he desires to clean his shoes, and pushing it back into normal position after it has been used. This is clearly shown in Figs. 1 and 2.

The upper edge of the scraper 1 is, of course, sharpened.

We claim:

1. In a shoe cleaner of the class described, the combination with a rectangular, metallic member one side of which is sharpened to serve as shoe scraper, of a pair of channel bars to serve as guides for the rectangular member, said bars adapted to be secured in place so that the channels in the guides will incline.

2. In combination with a running board of an automobile, a pair of channel bars secured at an angle to the underneath face of the running board, a rectangular member held in place between the channel bars and having one of its sides sharpened to serve as a shoe cleaner, a stop secured to the running board to limit the movements of the rectangular member, and resilient members for engagement with the rectangular member, for the purposes stated.

3. In combination with a running board of an automobile, a pair of guides, having inclined channels, secured to the underneath face of the running board, a rectangular

member, having its forward edge sharpened to serve as a shoe scraper, held in place between said guides, and means for limiting the movement of the rectangular member.

- 5 4. In combination with a running board of an automobile, a pair of guides, having inclined channels, secured to the underneath face of the running board, a rectangular member, having its forward edge sharpened
10 to serve as a shoe scraper, held in place between said guides, means for limiting the movement of the rectangular member, there being pockets formed in said guides and in

the side portions of said rectangular member, and resilient devices held in said pockets 15 to produce friction between the rectangular member and the guides.

In testimony whereof, we have signed our names to this specification, in presence of two subscribing witnesses.

FRADELSHON HARRIS.
ROSALIND STERNBERG.

Witnesses:

EDWARD E. LONGAN,
E. L. WALLACE.