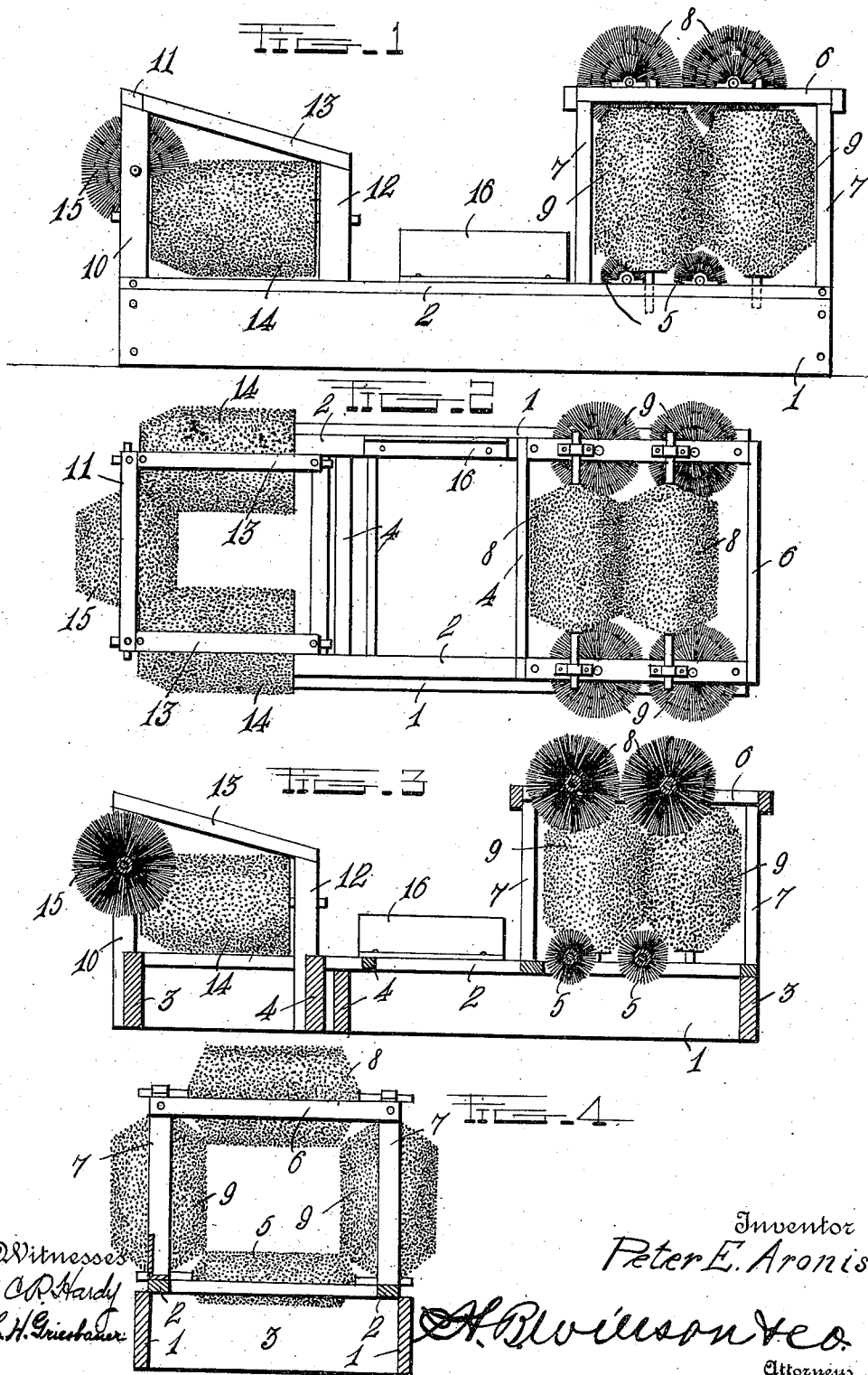


P. E. ARONIS.
SHOE CLEANING DEVICE.
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984,640.

Patented Feb. 21, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

PETER E. ARONIS, OF SAN FRANCISCO, CALIFORNIA.

SHOE-CLEANING DEVICE.

984,640.

Specification of Letters Patent.

Patented Feb. 21, 1911.

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To all whom it may concern:

Be it known that I, PETER E. ARONIS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Shoe-Cleaning Devices; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in shoe cleaning devices.

The object of the invention is to provide a device of this character having means whereby the top, sides and sole of the front portion of the shoe and the heel portion thereof may be quickly and easily cleaned without using the hands or stooping over.

With the foregoing and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings, Figure 1 is a side view of a shoe cleaner constructed in accordance with the invention; Fig. 2 is a top plan view; Fig. 3 is a central vertical longitudinal section, and, Fig. 4 is a vertical cross sectional view.

In the embodiment of the invention, I provide a base comprising an open frame 1 on which is secured a brush supporting frame comprising longitudinal side bars 2 connected together at their opposite ends by end cross bars 3, and midway their ends by intermediate cross bars 4. Revolvably mounted in suitable bearings on the side bars 2 of the brush supporting frame adjacent to the forward end of the device are a series of sole cleaning brushes 5 of which there may be any suitable number, two of the same being shown in the present instance as the preferred number. The brushes 5 have short stiff bristles which will readily clean the dirt from the bottoms of the shoe soles.

On the forward portion of the brush supporting frame is a superposed structure comprising a substantially rectangular frame 6 supported a suitable distance above the sole brushes 5 by standards 7 which are secured at their upper ends to the frame 6 and at their lower ends to the parallel side bars 2 of the lower brush supporting frame. Revolvably mounted in suitable bearings on the

frame 6 are a pair of top cleaning brushes 8, which are adapted to be engaged by the top of the shoe and to clean the dirt therefrom.

Revolvably mounted in suitable bearing apertures in the side bars of the frame 6 and in the longitudinal bars 2 of the lower brush supporting frame are pairs of side cleaning brushes 9, which are adapted to engage and clean the sides of the front portion of the shoe when the latter is placed between the same. By this arrangement, it will be seen that a plurality of cleaning brushes are provided to engage the top, sides and bottom or sole of the shoe, whereby all parts of the latter will thus be thoroughly cleaned when the shoe is inserted in and reciprocated between the various sets of brushes.

At the rear end of the device is arranged means for cleaning the back and sides of the heel portion of the shoe, said means comprising a pair of standards 10 secured at their lower ends to the rear end of the base frame 1 and connected together at their upper ends by a cross bar 11. Spaced a suitable distance from the standards 10 and secured at their lower ends to the side bars 2 and one of the intermediate cross bars 4 of the lower brush supporting frame are standards 12 which are somewhat shorter than the standards 10, and which are connected at their upper ends to the upper ends of the standards 10 and outer ends of the cross bar 11 by inclined brace bars 13. Revolvably mounted between the standards 10 and 12 in suitable bearing apertures formed therein are heel cleaning brushes 14, which are adapted to engage and clean the sides of the heel portion of the shoe when engaged between the same. The rear or back end of the heel portion of the shoe is cleaned by a brush 15 which is revolvably mounted in suitable bearing apertures formed in the rear standards 10 above the ends of the brushes 14.

Secured to one of the side bars 2 of the brush supporting frame between the sets of front and rear or heel cleaning brushes is a scraper blade or plate 16, which is adapted to be engaged by the bottom of the shoe sole whereby a large portion of the dirt may be removed therefrom before the shoe is applied to the cleaning brushes.

By means of an arrangement of brushes such as herein shown and described, the dirt may be quickly and easily removed from a shoe without using the hands or stooping. From the foregoing description taken in

connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

5 Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention as defined in the appended
10 claim.

Having thus described my invention, what I claim is:—

A shoe cleaning device comprising a base, a plurality of standards rising from the sides

of the base, an upper frame secured to the 15 upper ends of the standards, a plurality of sole brushes rotatably mounted upon the base, a plurality of spaced side brushes rotatably mounted between the standards, and a plurality of top cleaning brushes rotatably 20 mounted in the upper frame.

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

PETER E. ARONIS.

Witnesses:

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