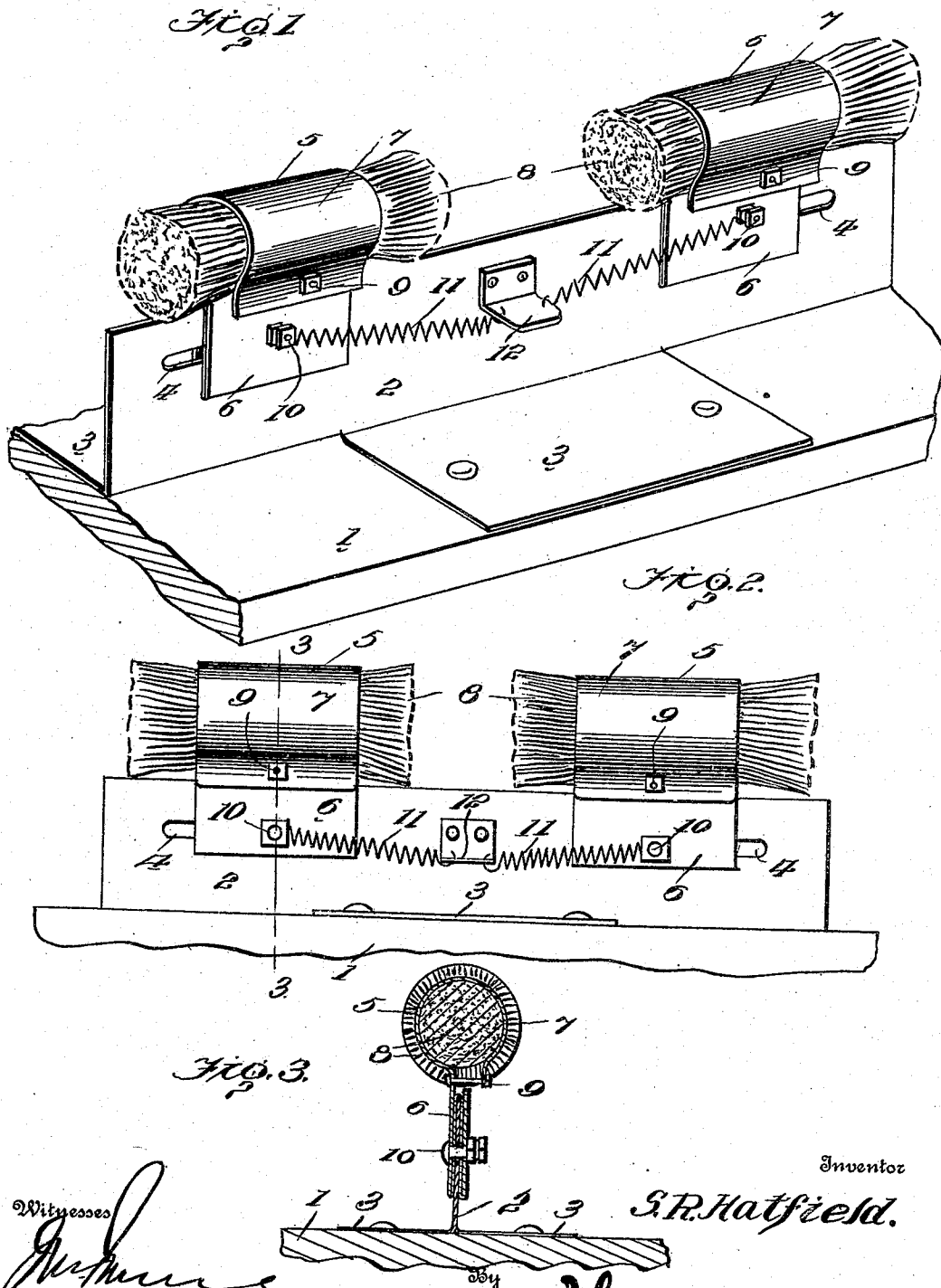


S. R. HATFIELD.
SHOE CLEANER.
APPLICATION FILED NOV. 24, 1908.

933,303.

Patented Sept. 7, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL R. HATFIELD, OF HECTOR, MINNESOTA.

SHOE-CLEANER.

933,303.

Specification of Letters Patent.

Patented Sept. 7, 1909.

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To all whom it may concern:

Be it known that I, SAMUEL R. HATFIELD, citizen of the United States, residing at Hector, in the county of Renville and State of Minnesota, have invented certain new and useful Improvements in Shoe-Cleaners, of which the following is a specification.

This invention comprehends certain new and useful improvements in shoe cleaning devices and the invention has for its object a simple, durable and efficient construction of a device of this character which is composed of comparatively few parts that may be cheaply manufactured, and easily assembled, and which in operation will serve efficiently for use in scraping mud or the like from the heel or sole of a boot or shoe while, at the same time, in this scraping operation, the sides of the boot or shoe will be turned past and between brushing elements, so as to brush off or clean the body portion of the shoe, at the same time the sole is being cleaned.

With these and other objects in view as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a perspective view of my improved shoe-cleaner; Fig. 2 is a side elevation thereof; and, Fig. 3 is a transverse sectional view, the section being taken on the line 3—3 of Fig. 2.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates a base or support of any desired character, and 2 designates a scraper plate preferably of sheet metal, such as steel, arranged in a longitudinally extending and vertically disposed position on the support 1, preferably provided with oppositely extending feet 3 by which it may be secured to the support by nails, screws or similar fastenings. The scraper plate is formed near each end with a longitudinally extending slot 4.

5 designates brush holders. In the present instance, these are formed of a single

piece of sheet metal, which is bent or doubled upon itself at one end into substantially W-shape so as to form yoke members 6 that straddle and rest upon the scraper plate 2. Integrally connected with these yoke members and extending from one of them as shown is a sleeve 7 which forms the main portion of the brush-holder and which is substantially circular as illustrated, the bristles or brushing elements 8 of any desired character being slipped into these sleeves with their adjacent ends spaced from each other as shown so as to serve as brushing surfaces to brush the sides of a boot or shoe as the heel and sole are scraped over the scraper plate 2 between the two brush-holders. The broom corn, bristles, or similar brushing elements 8 are secured within the sleeves by clamping bolts 9 or similar means.

10 designates studs that are secured to the yoke members 6 of the respective brush-holders, and that extend through the respective slots 4 of the scraper plate so as to maintain the brushes in proper position relative to the scraper plate and limit the outward and inward movement of the brush-holders with respect to each other. Springs 11 are connected at one end to the studs 10 of the respective brush-holders 5, said springs extending inwardly toward each other, and being pivotally connected to a bracket 12 which is riveted or otherwise secured to the scraper plate. The said springs tend to draw the two brushes toward each other in an evident manner.

In the practical operation of my improved boot or shoe cleaner, the foot is drawn over the scraper plate between the two brush-holders, and it is obvious that as the heel and sole of the boot or shoe are scraped and thus cleaned, the brushing elements will engage with the counter and vamp of the shoe and thus effectively clean the body portion of the shoe, at the same time the heel and sole are being cleaned.

Having thus described the invention, what is claimed as new is:

1. A boot or shoe cleaner comprising a scraper plate formed near its ends with longitudinal slots, brush holders having yoke members straddling the scraper plate, studs extending through said yoke members and working in said slots, springs connected to said yoke members and tending to draw the two brush-holders toward each other, said

brush-holders also embodying sleeves, and brushing elements mounted in and carried by said sleeves.

2. A boot or shoe cleaner, comprising a
5 scraper plate a support therefor, the scraper
plate being provided near its ends with longitudinal slots, brush-holders mounted upon
said scraper plate, studs secured to said
brush-holders and working in said slots, a
10 bracket secured to the scraper plate between

said studs, springs secured to said studs and to said bracket and tending to draw the brush-holders toward each other, and brushing elements carried by said brush-holders.

In testimony whereof I affix my signature 15
in presence of two witnesses.

SAMUEL R. HATFIELD. [L. S.]

Witnesses:

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