

No. 825,512.

PATENTED JULY 10, 1906.

H. H. BRANDES.
SHOE BRUSHING DEVICE.
APPLICATION FILED APR. 3, 1905.

FIG. 1

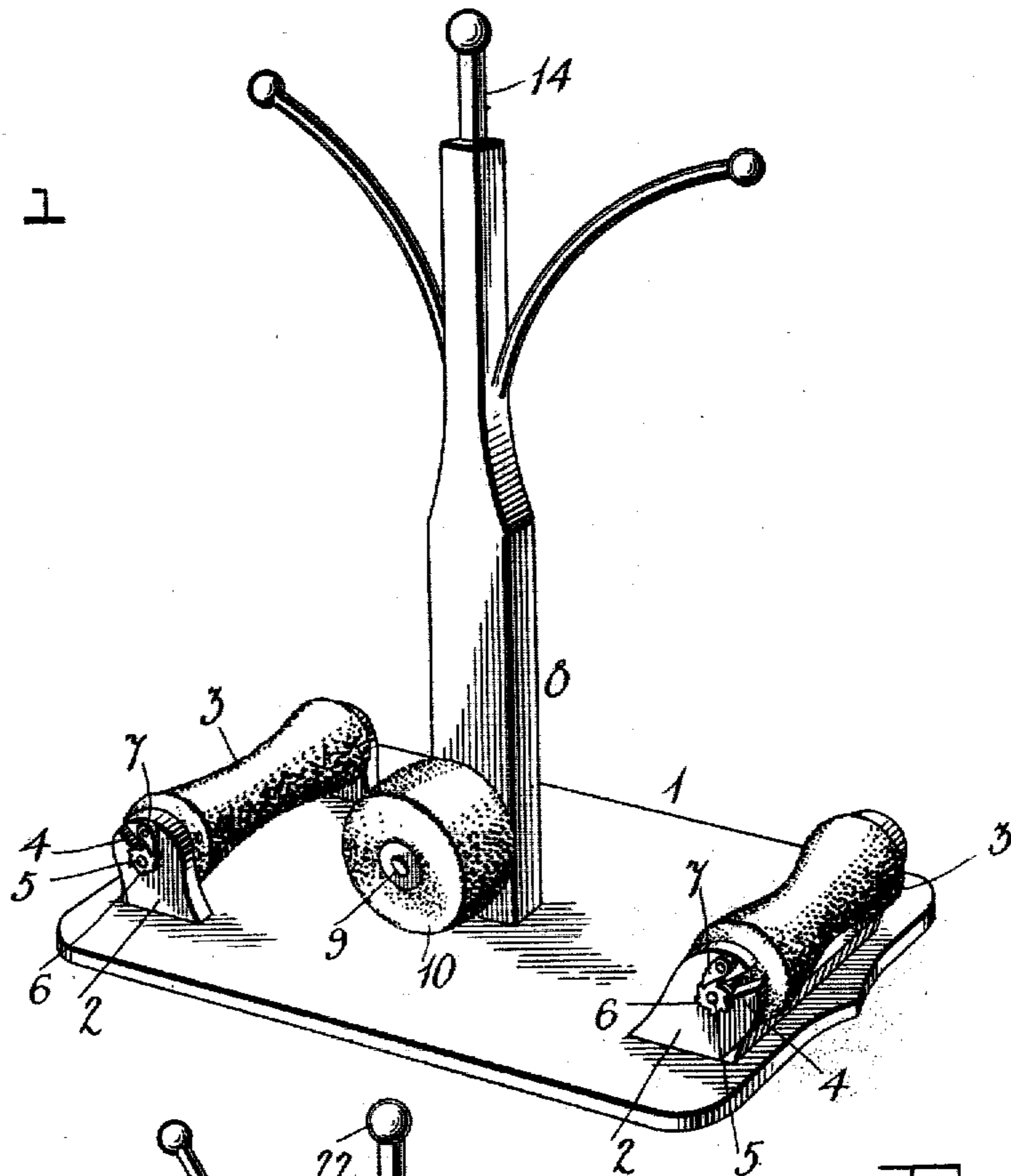


FIG. 3

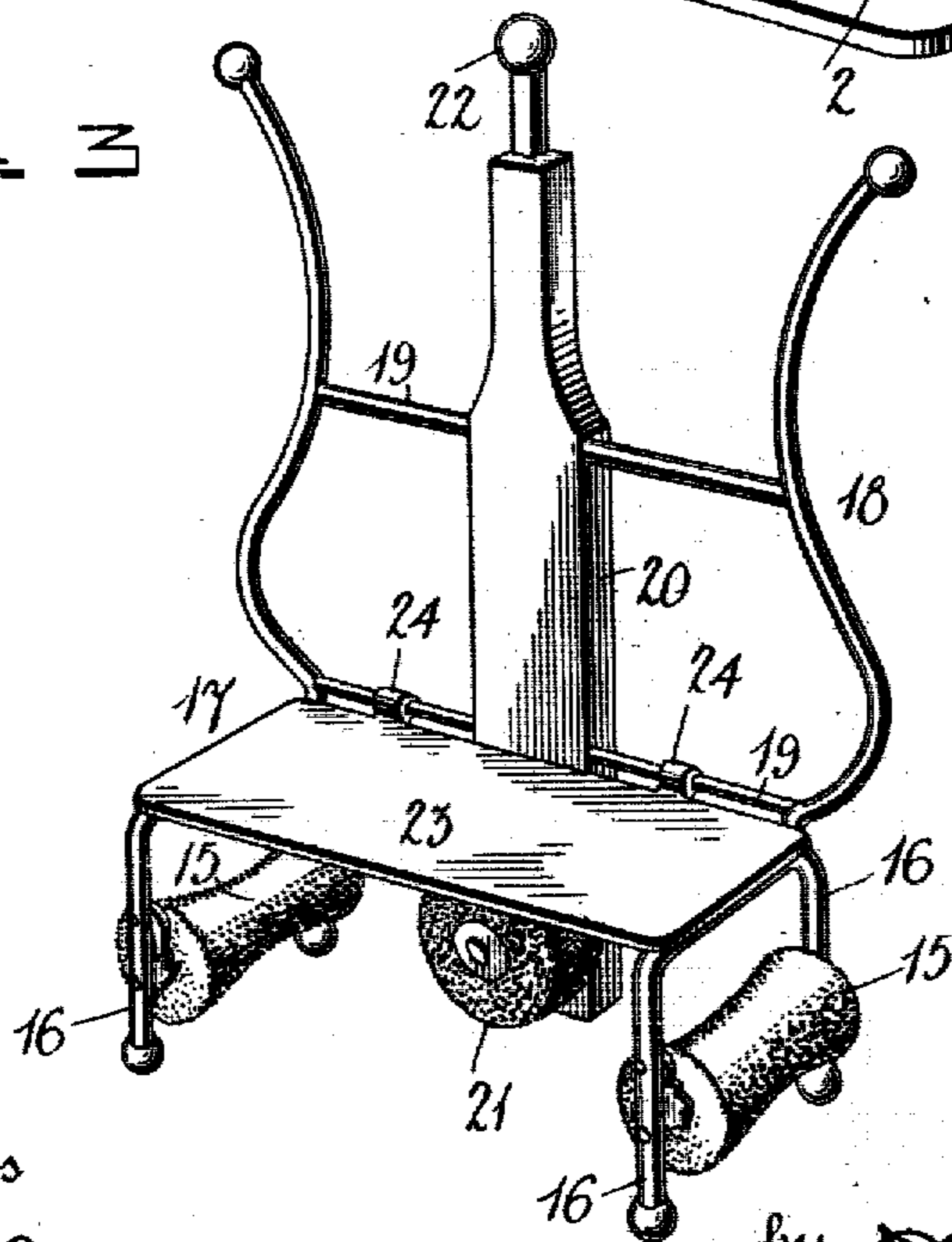
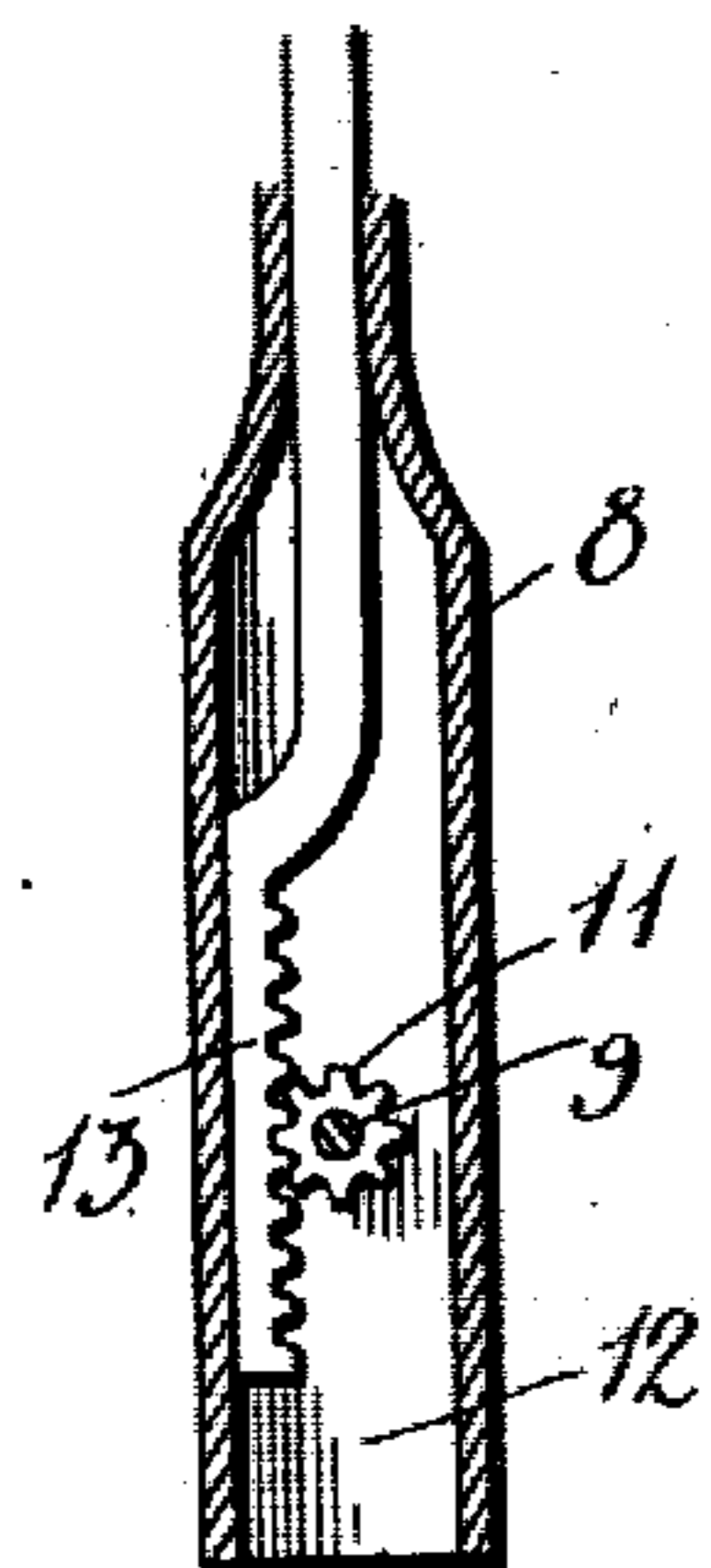


FIG. 2



Witnesses
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UNITED STATES PATENT OFFICE.

HERMAN H. BRANDES, OF CORYDON, KENTUCKY.

SHOE-BRUSHING DEVICE.

No. 825,512.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed April 3, 1905. Serial No. 253,577.

To all whom it may concern:

Be it known that I, HERMAN H. BRANDES, a citizen of the United States, residing at Corydon, in the county of Henderson and State of Kentucky, have invented certain new and useful Improvements in Shoe-Brushing 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.

My invention relates to improvements in shoe-brushing devices; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

One object of my invention is to provide a device of this character with revoluble brushing-rolls which when in use present various surfaces to the boot or shoe while brushing the same.

A further object of my invention is to combine with a revoluble brush means for rotating the same alternately in reverse directions.

A further object of my invention is to combine with the brushing-rolls and operating devices therefor a stand to support the same and a seat adapted to be folded over the rolls when the latter are not in use, so as to cover the rolls and adapt the device for use for the purposes of a seat.

In the accompanying drawings, Figure 1 is a perspective view of a boot or shoe brushing device embodying my improvements. Fig. 2 is a detail sectional view of the same, showing the means for imparting alternating rotary motion to one of the brushes; and Fig. 3 is a perspective view showing a modification of my invention.

In the embodiment of my invention shown in Fig. 1 I provide a base 1, having pairs of bearing-brackets 2 at its ends, in which bearing-brackets are mounted a pair of brushing-rolls 3, which may be covered with any suitable material and are adapted to rotate in the said bearing-brackets. One of each of the pairs of bearing-brackets 2 is provided with an open slot 4 to receive the axle 5 of the roll, so that the said rolls 3 may be mounted in or detached from said bearing-brackets. At one end of the axle 5 of each of the rolls 3 is a ratchet-wheel 6, and one bearing-bracket 2 of each pair is provided with a detent-pawl 7, said pawl engaging said ratchet-wheels and enabling the rolls 3 to be each revolved in one direction and

serving to prevent them from revolving in the opposite direction. It will be observed by reference to Fig. 1, that the teeth of the respective ratchet-wheels 6 are arranged in reverse directions and that the respective pawls 7 are correspondingly arranged, so that the said rolls 3 are adapted to rotate in reverse directions—that is to say, one is enabled to rotate only in one direction, while the other is enabled to rotate in the opposite direction. It will be observed also that the rolls are reduced at their centers, so that their end portions are of greater diameter than their central portion. To operate the said rolls 3, a person desiring to brush a boot or shoe passes one of his feet backwardly and forwardly over the said rolls, each movement of his foot in either direction causing one of the rolls to rotate to present a new surface and creating friction against the other roll, and thereby effectually brushing the boot or shoe. A standard 8 rises from the base 1 at a point midway between the brushing-rolls 3. A transversely-disposed shaft 9 has its bearings in the said standard. The said shaft 9 carries at that end which is disposed between the rolls 3 a revoluble brush 10 and is provided at its outer end with a pinion 11. The standard 8 is channeled on its outer side, as at 12, to form a guide for a reciprocating rack 13, which engages the pinion 11 and which has an upwardly-extending handle 14, that projects above the upper end of the standard 8 and is adapted to be grasped and manually operated to cause the brush 10 to be revolved consecutively in reverse directions. It will be understood that the brush 10 coacts with the brush-rolls 3 to clean and polish the boots or shoes while on the feet of the wearer.

In the form of my invention shown in Fig. 3 the brushing-rolls 15, which are identical in construction with the rolls 3 hereinbefore described, have their bearings in the legs 16 of a stand 17, which also has a back 18 and transversely-disposed bars 19, which connect the upper ends of the pairs of legs. Secured to the back 18 is a standard 20, which is substantially identical with the standard 8 hereinbefore described, and in which operates a rack-bar, such as hereinbefore described, which coacts with a pinion, such as hereinbefore described, to rotate a brush 21. The said rack-bar and pinion are not here shown; but the handle 22 of said rack-bar appears in said Fig. 3. A seat 23 is hinged to the back

18, as at 24, and is adapted to be raised in order to uncover the brushing-rolls 15 and the revolving brush 21, when the device is to be used, and may be lowered on the bars 19, 5 so as to cover said rolls and brush to form a seat, as shown. The operation of this form of my invention may be described as follows: The shoe to be cleaned is placed upon one of the rollers 15 and the front portion of the 10 same projecting in under the roller 21. By grasping the handle 22 the roller 21 is rotated and the front portion of the shoe is cleaned.

Having thus described my invention, what I claim as new, and desire to secure by Letters 15 Patent, is—

In a shoe-brushing device, a base, a hollow

standard rising therefrom, a brush-roll journaled to said standard and disposed outside thereof and provided with a pinion located inside the standard, a rack-bar mounted to 20 reciprocate in the standard and engage the pinion to rotate the brush-roll, said rack-bar having a handle projecting above the standard, substantially as described.

In testimony whereof I have hereunto set 25 my hand in presence of two subscribing witnesses.

HERMAN H. BRANDES.

Witnesses:

E. S. KING,

C. I. BUCKMAN.