C. C. GREEN.

Buffing-Wheel for Finishing Boots and Shoes.

No. 203,265. Patented May 7, 1878.

Fig. 1.

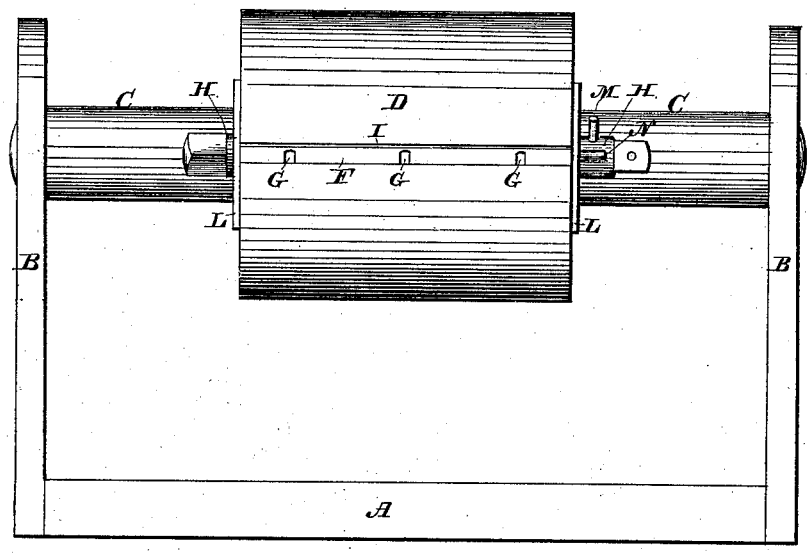

Fig. 2.

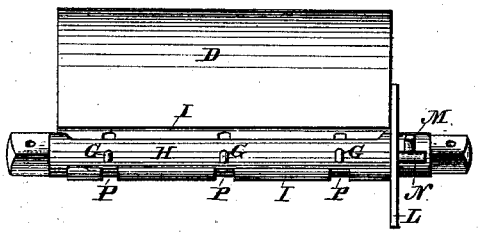

Fig. 3.

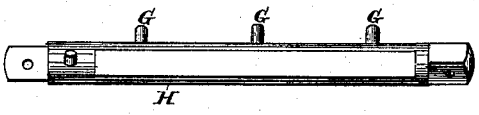

Fig. 4.

Attest.

Jon.a Luther

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Charles C. Green

UNITED STATES PATENT OFFICE.

CHARLES C. GREEN, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN BUFFING-WHEELS FOR FINISHING BOOTS AND SHOES.

Specification forming part of Letters Patent No. **203,265**, dated May 7, 1878; application filed November 26, 1877.

To all whom it may concern:

Be it known that I, CHARLES C. GREEN, of the city and county of Worcester, Commonwealth of Massachusetts, have invented a new and useful Improvement in Buffing-Wheels for Buffing the Bottoms of Boots and Shoes, and for other purposes, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of my said improved buffing-wheel placed on arbor C, which is adjusted in standards B B of frame A, to turn in the bearings. Fig. 2 represents a half-section of the wheel, showing my slotted curve-spring I fastened longitudinally to the inner edge, and my cam-shaft, having hooks G formed on it, adapted to and placed in said spring. Fig. 3 represents my cam-shaft and the hooks thereon. Fig. 4 represents an end view of said spring.

The object of my invention is to furnish a device by which the sand-paper or emery-cloth can be easily and quickly placed around and secured to or removed from the wheel; and it consists in making a wheel of either wood or metal of two sectional pieces, in one of which a groove or space is made near the edge, extending from end to end. The slotted curve-spring is fastened to the inner edge of the other sectional piece, as shown in Fig. 2. In this slotted curve-spring I, I place my cam-shaft, with hooks G adapted to and operated in said slotted spring. The sections of the wheel are brought together and secured with plates L at the ends, leaving a narrow opening, F F. At the rim there should be room for the spring to have action in the groove or space before mentioned. The cam-shaft is held in position with the plates L at each end, which are fastened with bolts or screws. The end O of the cam-shaft is squared for a wrench with which to turn it. Pins M and N are placed one in the cam-shaft and the other in plate L, to set the hooks in position for introducing the ends of the sand-paper or emery-cloth into the narrow opening F F.

The wheel may be covered preparatory for the sand-paper in the ordinary way, with felt cloth or other suitable material.

It will be seen that with this device, by placing the sand-paper or emery-cloth around the cylinder, and tucking the ends into the narrow opening F, then, with the wrench, turning the cam-shaft hooks down, they will fasten through the ends of the paper or cloth into the slots P, and thus they are together drawn between the spring and cam-shaft, thereby holding the sand-paper securely on the roll, presenting an even surface on the outside for buffing or polishing purposes.

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

The improved buffing-wheel having the slotted curved spring I, and the cam-shaft, with hooks G adapted to and operated in said slotted spring, substantially as and for the purpose herein shown and described.

CHARLES C. GREEN.

Witnesses:

M. H. COWDEN,

JONA. LUTHER.