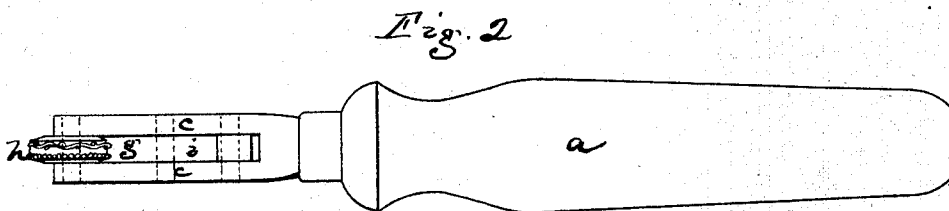
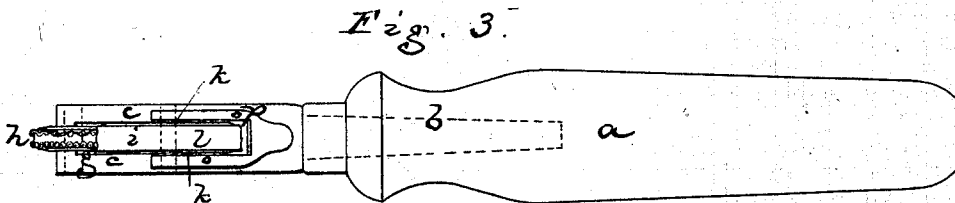
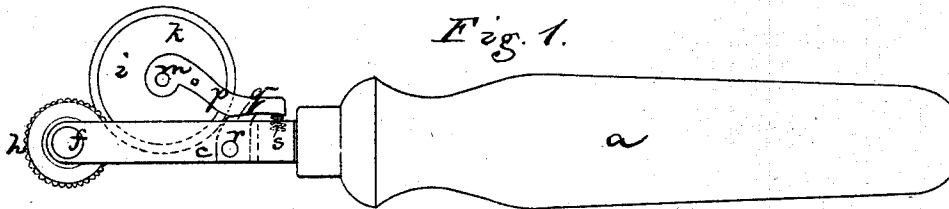


J. W. DODGE.

Tools for Marking Edges of Soles of Boots and Shoes.

No. 144,515.

Patented Nov. 11, 1873.



WITNESSES.

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UNITED STATES PATENT OFFICE

J. WESLEY DODGE, OF MALDEN, MASSACHUSETTS, ASSIGNOR TO THE SHOE MACHINERY MANUFACTURING COMPANY.

IMPROVEMENT IN TOOLS FOR MARKING EDGES OF SOLES OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. 144,515, dated November 11, 1873; application filed April 5, 1873.

To all whom it may concern:

Be it known that I, J. WESLEY DODGE, of Malden, in the county of Middlesex and State of Massachusetts, have invented an Improved Tool for Marking the Edges of the Soles of Boots and Shoes; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

The invention relates to the arrangement, in combination with the marking-wheel, of a roll for supplying color to the wheel. The roll turns on a pin connecting the two prongs of a fork, the shank of which extends from a suitable handle. Extending into the slot between the prongs of the fork, is a projection from a forked lever that has pivoted in its fork a roller, formed of two metal disks, having between them a disk of felt, buckskin, or other suitable material, the rear arm of the lever having a spring, the stress of which presses the other arm toward the marking-wheel, so that the periphery of the soft disk is kept pressed against the periphery of the metal marking-wheel. The soft or color wheel stands out from the fork, and by rolling this wheel against a bed containing liquid color the color is transferred to it, the wheel being well filled with color in this manner, and being then able to supply ink to the marking-wheel for prolonged use of said wheel in marking the soles of boots and shoes. The invention consists in the combination and arrangement of the two wheels in connection with the stock in which they are mounted.

The drawing represents a tool embodying the invention.

Figure 1 shows a side view of the tool. Fig. 2 is a bottom view of it. Fig. 3 is a top view of it.

a denotes a handle, in which is secured the shank *b* of a fork, *c*. At the outer end of the prongs of this fork is a pivot-pin, *f*, that extends through the prongs and supports in the slot *g* a marking-wheel, *h*, preferably made of metal, and having a peripheral pattern or type which is to be printed upon the sole of the boot or shoe, near the edge thereof. Bearing against the perimeter of this wheel is a color-wheel or roll, *i*, composed of two thin metal disks, *k*, embracing between them a soft disk, *l*, formed of felt, buckskin, or other suitable material. This wheel turns on a pivot-pin, *m*, connecting the prongs *o* of a forked lever, *p*, which, by a projection, *q*, and fulcrum-pin *r*, is pivoted to the prongs *o*, to which the marking-wheel is pivoted. A suitable spring, *s*, throws down the wheel *i* against the marking-wheel *h*, so that as the marking-wheel is turned it turns the color-wheel, and receives from the latter the color to be applied by its own marking or figured edge. The wheel *i* is charged as already described, and as the color-wheel is much larger than the marking-wheel, it will hold a supply for the marking-wheel for long-continued use, while at the same time it is very readily charged by rolling it upon a stone or slab provided with liquid color.

I claim—

The described tool for marking the edges of soles, having the pattern-wheel *h* and color-wheel *i*, constructed substantially as described, and relatively arranged and operating as set forth.

Executed this 29th day of March, A. D. 1873.

J. WESLEY DODGE.

Witnesses:

FRANCIS GOULD,
M. W. FROTHINGHAM.