(No Model.)

C. K. BRADFORD.

SOLE EDGE INKING DEVICE.

No. 445,158. Patented Jan. 27, 1891.

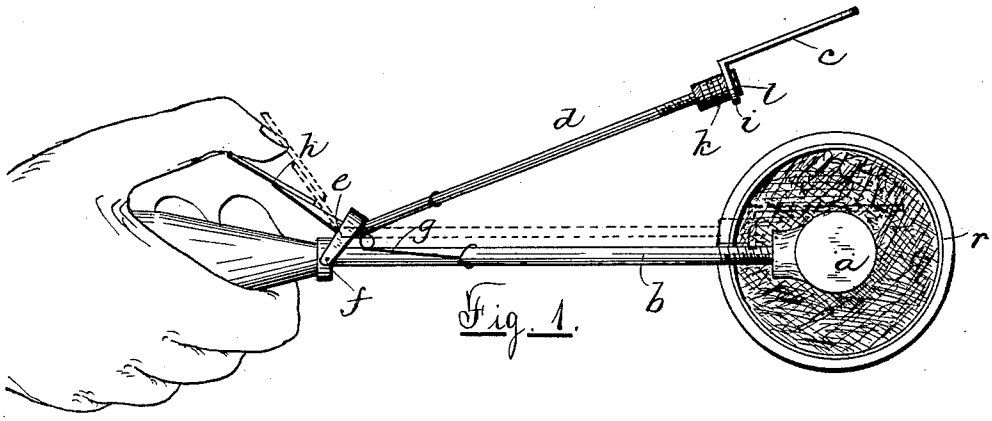


Fig. 1.

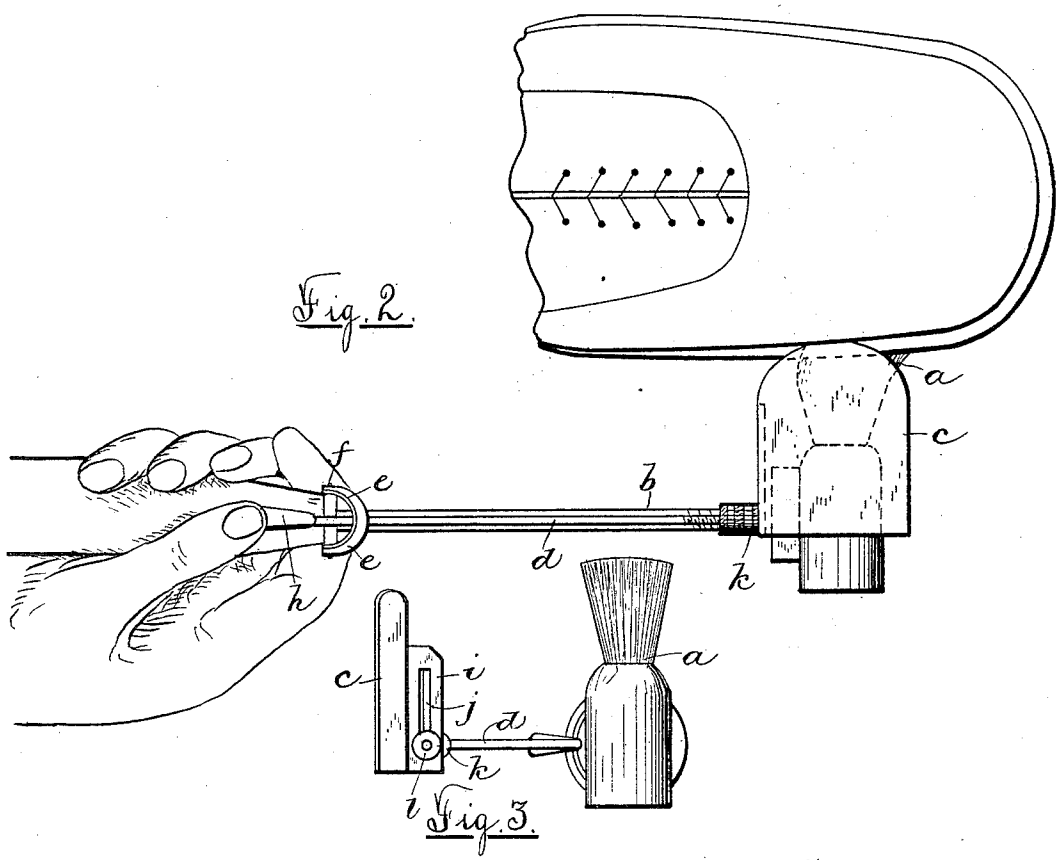


Fig. 2.

Fig. 3.

Witnesses
Irving H. Fay.
W. C. Ramsay

Inventor
C. K. Bradford

By his Attorneys
Wright Brown Quinby

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

CHARLES K. BRADFORD, OF LYNNFIELD, MASSACHUSETTS.

SOLE-EDGE-INKING DEVICE.

SPECIFICATION forming part of Letters Patent No. 445,158, dated January 27, 1891.

Application filed December 31, 1889. Serial No. 335,529. (No model.)

To all whom it may concern:

Be it known that I, CHARLES K. BRADFORD, of Lynnfield, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Guards for Sole-Edge-Inking Brushes, of which the following is a specification.

This invention relates to brushes which are used in inking the edges of boot and shoe soles preparatory to burnishing the same during the process of manufacture. Brushes of this class are usually held by the operator by a handle attached to the brush and dipped from time to time in the ink and then rubbed upon the sole-edge. To prevent the ink from being smeared upon the upper of the boot or shoe is the object of my present invention, which consists in a guard or plate attached to a rod or shank, which is pivotally connected to the brush-handle, and is normally held by a spring in close proximity to one side of the brush, the plate being arranged to enter the crease between the sole and upper of a boot or shoe and prevent the blacking on the brush from coming in contact with the upper. The pivotal connection of the guard-shank with the brush-handle is such as to enable the guard to be moved entirely away from the brush, so that when the brush is dipped in the ink there will be no possibility of contact between the guard and ink, the spring returning the guard to place beside the brush after the latter has been inked.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a top view of a brush provided with my improvement. Fig. 2 represents a side view of same. Fig. 3 represents an end elevation of the device as shown in Fig. 1, the guard being removed from the brush.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the brush, which is made of bristles or any other suitable material, and suitably connected to a handle *b* of any desired construction or form.

c represents the guard, which is composed of a plate of sheet metal attached to a shank *d*, which is pivotally connected to the handle *b*. I have here shown the shank provided with ears *e*, which extend over the handle, and are pivoted thereto at *f*. A spring *g* is connected with the handle *b* and shank *d* in such manner as to normally hold the guard in the position indicated by dotted lines in Fig. 1, the guard being thus held in close proximity to one side of the brush, so that it will enter the crease between the sole and upper while the brush is acting on the edge of the sole. The pivotal connection of the guard-shank to the brush-handle enables the guard to be swung bodily away from the brush, as shown in full lines in Fig. 1, so that the brush may be freely dipped in the ink-receptacle *r* without liability of smearing the guard with the ink. The brush-shank is here shown as provided with a rearwardly-extending thumb-piece *h*, whereby the operator is enabled to conveniently displace the guard or swing it away from the brush, as shown in Fig. 1. I have here shown the guard as composed of a plate of metal, bent to form a flange *i* at one end of the guard, said flange having a vertical slot *j*, which receives one end of the shank *d*, the latter being screw-threaded and provided with a nut *k* and head or washer *l*, between which the flange *i* is clamped. The slot *j* enables the guard to be vertically adjusted, so that its lower edge may be accommodated to the length of the brush. As the brush becomes worn the guard may be adjusted to compensate for the wear of the brush.

I do not limit myself to the described construction of the guard and brush, nor to the means of connecting the guard to the brush-handle here shown, as the construction may be variously modified without departing from the spirit of my invention.

It is obvious that by pivotally connecting the guard to the brush, so that the guard is capable of swinging away from the brush a considerable distance, the operator is enabled to easily avoid inking the guard, and is therefore enabled to keep the uppers free from ink.

I claim—

1. The combination of a brush, a handle therefor, a shank or arm pivotally secured at one end to said handle and having an extended portion projecting outwardly from said brush-handle, and a guard on the outer free end of said shank, whereby the latter and said guard have a lateral movement with relation

to said brush and handle, substantially as set forth.

2. The combination of the brush having a handle, a guard having a shank pivotally connected at one end to one side of said handle, said guard being secured to the outer free end of said shank, and a spring located between and connected to said shank and handle, whereby said guard and shank have a lateral movement with relation to the side of said brush and handle, substantially as set forth.

3. The combination of the brush, its handle, the guard-shank pivoted to the said handle and provided with a thumb-piece *h*, guard *c*, mounted upon the swinging end of the shank, and a spring whereby the guard is normally forced toward the brush, as set forth.

4. The combination of the brush, its handle, the shank having ears pivotally secured to said handle, guard *c*, mounted upon the swinging end of the shank, and a guard-controlling spring connected to said shank and brush-handle, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 30th day of October, A. D. 1889.

CHARLES K. BRADFORD.

Witnesses:

ARTHUR W. CROSSLEY,

A. D. HARRISON.