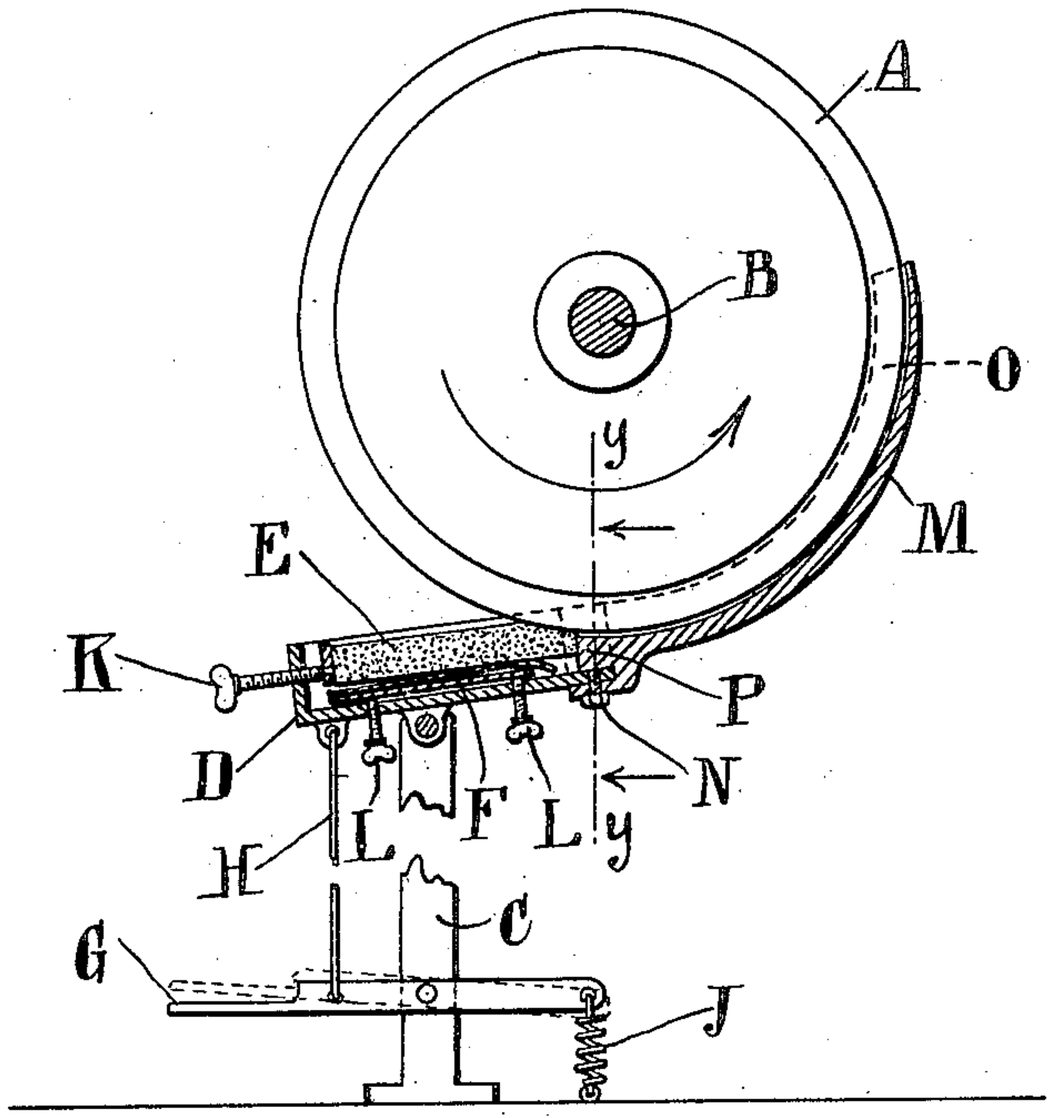
F. M. LEVETT.

DEVICE FOR APPLYING POLISHING MATERIAL TO BUFFING WHEELS.

APPLICATION FILED MAY 15, 1908.

914,433. Patented Mar. 9, 1909.

Fig. 1.



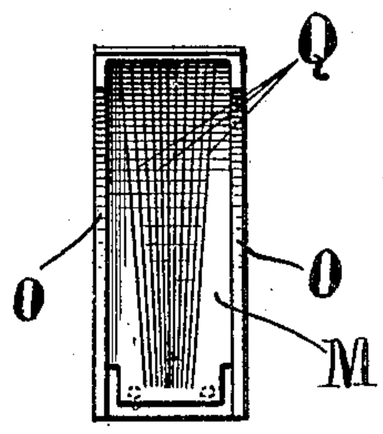
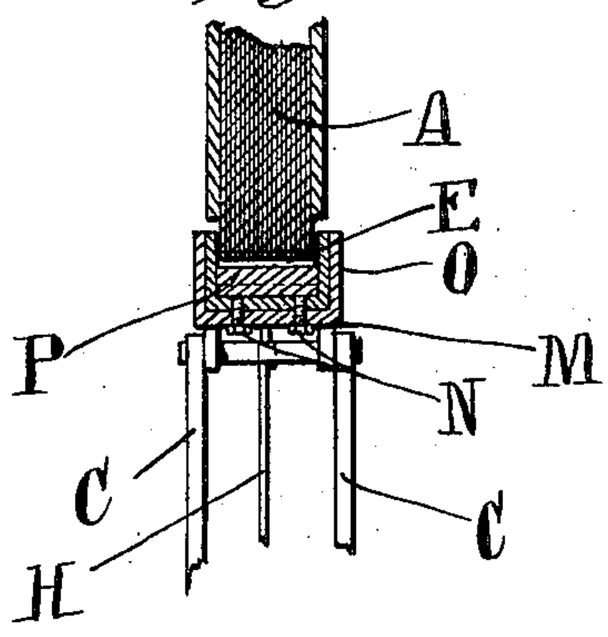


Fig. 3.

Fig. 2.



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UNITED STATES PATENT OFFICE.

FRANK M. LEVETT, OF NEW YORK, N. Y., ASSIGNOR TO THE LEVETT MANUFACTURING COMPANY, OF MATAWAN, NEW JERSEY, A CORPORATION OF NEW JERSEY.

DEVICE FOR APPLYING POLISHING MATERIAL TO BUFFING-WHEELS.

No. 914,433. Specification of Letters Patent. Patented March 9, 1909.

Application filed May 15, 1908. Serial No. 433,000.

To all whom it may concern:

Be it known that I, FRANK M. LEVETT, a citizen of the United States, and resident of New York, county of New York, and State of New York, have invented a Device for Applying Polishing Material to Buffing-Wheels, of which the following is a specification.

This invention relates to an improved device for applying polishing material to buffing wheels, and the objects of the invention are to provide a simple and inexpensive device for economically applying polishing material to the periphery of a buffing wheel as the same is required, further objects being to so arrange the device that the polishing material can be applied at any time by simply pressing a small lever.

The invention consists of a grooved guide of approximately the same curvature as the buffing wheel to one end of which is adjustably secured polishing material a portion of which is adapted to come in contact with the periphery of the buffing wheel so as to grind off particles of polishing material as the buffing wheel rotates, the ground off particles of polishing material being held against the periphery of the buffing wheel by the curved portion of the guide for a considerable distance around the circumference of the wheel so as to insure the polishing material, ground off by the rotation of the buffing wheel sticking to the periphery of the wheel instead of being wasted.

Referring to the drawings: Figure 1 is a side view of a buffing wheel showing partly in cross section a device for applying polishing material to a buffing wheel constructed according to my invention; Fig. 2 is an end view partly in cross section and with parts broken away on the line *y—y* of Fig. 1. Fig. 3 is a detail view of the top of the guide.

In the drawings: A designates a buffing wheel which may be of any desired construction, the same being mounted for rotation upon a shaft B. Preferably below the buffing wheel A is pivotally mounted upon a suitable support C, a holder D which is preferably made in the shape of a box, open at the top and of sufficient size to hold a stick of rouge or other polishing material E which is in the present instance, flexibly supported upon a bent spring F situated in the bottom of the holder D so as to keep the stick of rouge E in flexible engagement with the periphery of the buffing wheel when the holder D is forced upward by means of a treadle G which is suitably pivoted to the support C and connected at one end to the outer end of the holder D by means of a rod H. The other end of the treadle G is connected to a spiral spring J which normally keeps the rouge stick E out of engagement with the periphery of the buffing wheel by tipping the holder D in the opposite position from that shown in the drawing. It is desirable that only the end of the rouge stick E should come in contact with the buffing wheel as shown in the drawing, suitable means such as winged screws K and L being provided for moving the rouge stick forward and upward as the same is used.

To insure the polishing material which is ground off of the stick E adhering to the periphery of the buffing wheel, a curved guide M is secured to the outer end of the holder D by means of suitable screws N. The guide M is of approximately the same curvature as the circumference of the buffing wheel and is provided on each side with the sides O which extend upward so as to inclose the edge of the wheel, the guide M being of sufficient width to cover the entire width of the wheel. The inner end of the guide M preferably forms an abutment P against which the end of the stick E is forced to hold it in position.

It will now be seen that when the end of the rouge stick E is forced against the periphery of the buffing wheel, as before described, particles of rouge will be ground from the rouge stick E as the buffing wheel rotates and the particles of rouge will be forced against the periphery of the buffing wheel by the guide M which is pressed against the periphery of the buffing wheel, thereby preventing the particles of rouge ground off of the stick E from being wasted. In this manner it will be seen that the particles of rouge ground from the stick E will be forced to adhere to the periphery of the buffing wheel before the particles of rouge reach the end of the guide.

If desired the guide M may be made of thin sheet metal so as to permit of a certain amount of flexibility. The inner surface of the guide M which bears against the periphery of the buffing wheel may also be pro-

vided with grooves Q which radiate from the inner edge of the guide to the outer edge of the same, as shown in Fig. 3, so that if a narrow piece of rouge is used the particles ground off of the same will be spread uniformly on the total width of the periphery of the buffing wheel. The guide M is also made detachable so that similar guides of different widths and curvature may be secured to the same holder D for use with buffing wheels of different diameters and widths.

What I claim is:—

1. A device for applying polishing material to buffing or polishing wheels comprising a holder arranged to hold polishing material and a curved guide secured to said holder, said guide being curved to conform to the periphery of said buffing or polishing wheel and arranged to keep the particles of polishing material in contact with the periphery of said buffing or polishing wheel as the same is ground off of said polishing material.

2. A device for applying polishing material to buffing or polishing wheels comprising a holder arranged to hold polishing material means for flexibly supporting said stick of polishing material in said holder, said guide being curved to conform to the periphery of said buffing or polishing wheel, a curved guide secured to said holder and arranged to keep the particles of polishing material in contact with the periphery of said buffing or polishing wheel as the same is ground off of said polishing material.

3. A device for applying polishing material to buffing or polishing wheels comprising a holder arranged to hold a stick of polishing material, means for adjusting said stick of polishing material, and a curved guide secured to said holder and arranged to keep the particles of polishing material in contact with the periphery of said buffing or polishing wheel as the same is ground off of said polishing material.

4. A device for applying polishing material to buffing or polishing wheels comprising a holder arranged to hold polishing material, a curved guide provided with grooves secured to said holder and arranged to keep the particles of polishing material in contact with the periphery of said buffing or polishing wheel said grooves being arranged to spread said particles uniformly over the periphery of said buffing or polishing wheel.

5. A device for applying polishing material to buffing or polishing wheels comprising a holder arranged to hold polishing material, means for pivotally supporting said holder and a curved guide provided with sides, said guide being detachably secured to said holder and arranged to keep the particles of polishing material in contact with the periphery of said buffing or polishing wheel, as the same is ground off of said polishing material.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

FRANK M. LEVETT.

Witnesses:
LEO J. MATTY,
FRANK E RAFFMAN.