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POLISHING CLOTH

Filed July 16, 1927

Fig. 1.

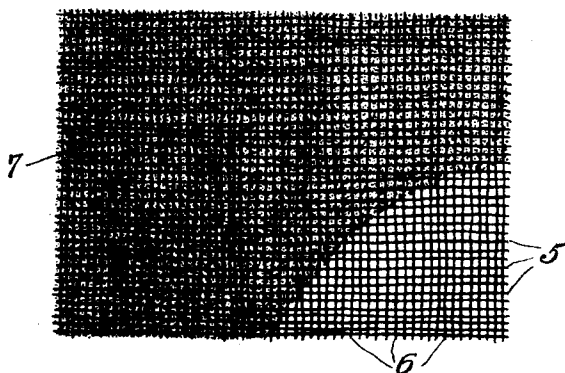
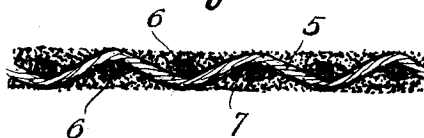


Fig. 2.



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POLISHING CLOTH.

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This invention relates to devices for cleaning, polishing and renewing the surfaces of finished articles, and more particularly to manually operated friction devices of soft and pliable nature, capable of conforming to the shape of the article to be polished.

Such devices are commonly in the form of a cloth, used as a duster, or by dipping in a solution of soapy or pasty material, including an abrasive, may be applied and due to their rubbing effect, produce desired results.

Others have incorporated steel wool and like sharp cutting elements to abrade the surface and by mechanical action level and smooth the same but incidentally cause scratches not desirable on a finished surface.

It is one object of the present invention to provide a cloth of soft open texture in which the interstices between the strands are filled with a polishing material, causing it to adhere, beside completely impregnating the woven threads so that a durable and efficient device is produced.

A further feature is in the provision of a polishing cloth adapted for use by merely moistening the same and which is entirely free from danger of scratching or marring the surface to which it may be applied.

These and other objects, such as economy in both construction and application, convenience and attainment of purpose, are secured by the novel construction and process herein-after described and shown in the accompanying drawing, forming a material part of this disclosure, and in which:—

Figure 1 is a plan view of a polishing cloth made in accordance with the invention, one corner being unthreaded.

Figure 2 is a magnified cross sectional view of a fragment of the same.

The threads of the fabric, both warp 5 and filling 6 are preferably of loosely twisted cotton fibers, this soft material being known commercially as bandage cloth or cheese cloth and is very porous or open in its weave as shown in Figure 1.

This fabric is thoroughly impregnated with a preparation of selected materials 7 of mildly abrasive nature and cleansing qualities, such for instance as whiting (calcium carbonate), oxide of tin, rouge, etc. all in a finely powdered condition.

These powders are mixed in a solution known as lemon oil, consisting of acetone, benzine and a little pyroxylin, which with a small quantity of amyl acetate gives it a characteristic odor.

To this compound may be added a suitable adhesive such for instance as rosin, litharge or wax and the whole agitated vigorously while the cloth is immersed and caused to take up the greatest quantity possible and then dried, more than one saturation treatment being given if desired.

Thus the fibers constituting the fabric are impregnated as well as the spaces between adjacent threads, and after the final treatment the cloth, when in a moist condition, is passed between rolls, further affixing the minute particles to the fabric.

These cloths, which may be of any convenient size, may be then dried, folded and placed in suitable containers ready for use.

In applying the cloths, they are moistened with water and used by hand with such friction as may be regarded necessary, leaving a fine white precipitate that upon becoming dry is removed by a plain cloth or the like, leaving a finely polished surface on finished metals, varnished and lacquered objects such as are commonly encountered.

Although the foregoing is descriptive of the preferred embodiment of the invention, it will be apparent that minor changes may be made in its construction, without the exercise of invention or conflicting with the scope of the claims hereto appended.

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

1. A polishing cloth consisting of cotton fabric made of soft twisted yarns loosely woven, a composition of mild abrading powders of which whiting predominates incorporated by pressure in the weave and in the fibers, and rosin in a finely pulverized condition to act as an adhesive to retain the powders therein.

2. A polishing cloth consisting of a loosely woven cotton fabric, and an aqueous solution of acetone, whiting and an adhesive forced into the fibers and weave of said fabric.

In testimony whereof I affix my signature.
JOHN C. KOUGH, JR.