

UNITED STATES PATENT OFFICE.

GEORGE C. TAFT, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN EMERY POLISHING-STICKS.

Specification forming part of Letters Patent No. 115,384, dated May 30, 1871.

To all whom it may concern:

Be it known that I, GEORGE C. TAFT, of the city and county of Worcester and State of Massachusetts, have invented an Improved Polishing-Stick for holding sand or emery paper or emery-cloth, of which the following is a specification:

Nature and Object of my Invention.

My invention consists in so forming emery polishing-sticks, which I render adhesive, as described hereafter, for the ready attachment of strips of emery cloth or paper and sand-paper, by wetting the surface of the stick thus prepared, which constitutes an article of commerce, which will enable artisans to practice economy in these indispensable materials.

General Description.

In using sand-paper and emery-cloth it is a common practice with pattern-makers, &c., to wrap a piece loosely around a strip of wood or iron in order to apply it evenly to the surface to be smoothed. In like manner it is a custom with machinists and other workers in metals to wrap a strip of emery-paper or emery-cloth loosely around a file or other like agent prior to applying it to the surface to be polished. In both cases the paper or cloth is rapidly worn away or torn, and the surface removed, owing to the looseness of the wrappings. In my invention I afford a remedy for this rapid destruction of the sand-paper and

emery-cloth by preparing and applying a coating to the surfaces of my polishing-sticks of gum, glue, mucilage, or other equivalent cements in the same way as other adhesive materials are prepared; the polishing-sticks thus coated being sold as articles of commerce, and are always in a condition for immediate attachment of emery paper or cloth and sand-paper by simply wetting the surface of the polishing-stick thus prepared and applying strips of emery cloth or paper or sand-paper to the gum or prepared surfaces of the polishing-sticks under a slight pressure, being all that is necessary to effect the required adhesion. Sand or emery paper or emery-cloth will last much longer when cemented to the polishing-stick so prepared than when it is wrapped loosely to the same. My invention, therefore, effects a ready means of effecting the desired attachment and of exercising economy in the use of the materials.

Claim.

A new article of manufacture and commerce, consisting in polishing-sticks rendered adhesive, as herein set forth and described.

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

GEO. C. TAFT.

Witnesses:

JAMES H. BANCROFT,
GEO. C. TAFT, Jr.