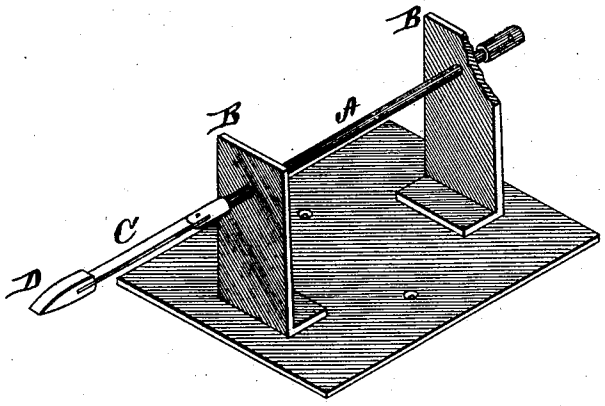
E. A. MAYOR.

Improvement in Machines for Polishing Dental Plates.

No. 130,304. Patented Aug. 6, 1872.



Witnesses:

Henry N. Miller

C. L. Everts

Inventor.

Edward A. Mayor.

per Alexander Mason

Attorneys.

AM. PHOTO-LITHOGRAPHIC CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

EDWARD A. MAYOR, OF OWEGO, NEW YORK.

IMPROVEMENT IN MACHINES FOR POLISHING DENTAL PLATES.

Specification forming part of Letters Patent No. **130,304**, dated August 6, 1872.

To all whom it may concern:

Be it known that I, EDWARD A. MAYOR, of Owego, in the county of Tioga and in the State of New York, have invented certain new and useful Improvements in Machine for Polishing Dental Plates; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, making a part of this specification.

My invention has for its object a machine for grinding, polishing, or rubbing down uneven surfaces, as in dentistry rubbing and polishing the inner surface of the plates, and polishing uneven surfaces in marble-work of various forms, &c.; and the nature of my invention consists in fastening a whetstone, oilstone, chalk, emery composition, or any desired grinding, rubbing, or polishing material on the end of a spring of suitable flexibility, attached to a reciprocating shaft or bar.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which is a perspective view of my device.

A represents a shaft or bar supported in suitable bearings B B, and to which a reciprocating motion is imparted by a crank and pitman or other suitable means. To one end of the shaft or bar A is attached a steel spring, C, of the necessary flexibility, and to the outer end of this spring is attached or fastened, by any desired means, any suitable material, D, for grinding, rubbing, or polishing. By the use of the spring C the material D is allowed to yield in a concave or uneven surface, and accommodate itself to a continual bearing.

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

The spring C attached to a reciprocating shaft or bar, A, and carrying at its outer end any desired substance or material, D, suitable for grinding, rubbing, or polishing, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 3d day of June, 1872.

DR. EDWARD A. MAYOR. [L. S.]

Witnesses:

EDWIN F. WARREN,

C. R. BURNETTE.