

No. 732,949.

PATENTED JULY 7, 1903.

L. G. KOENIG.
POLISHING CONE AND WHEEL.

APPLICATION FILED OCT. 6, 1902.

NO MODEL.

Fig. 1.

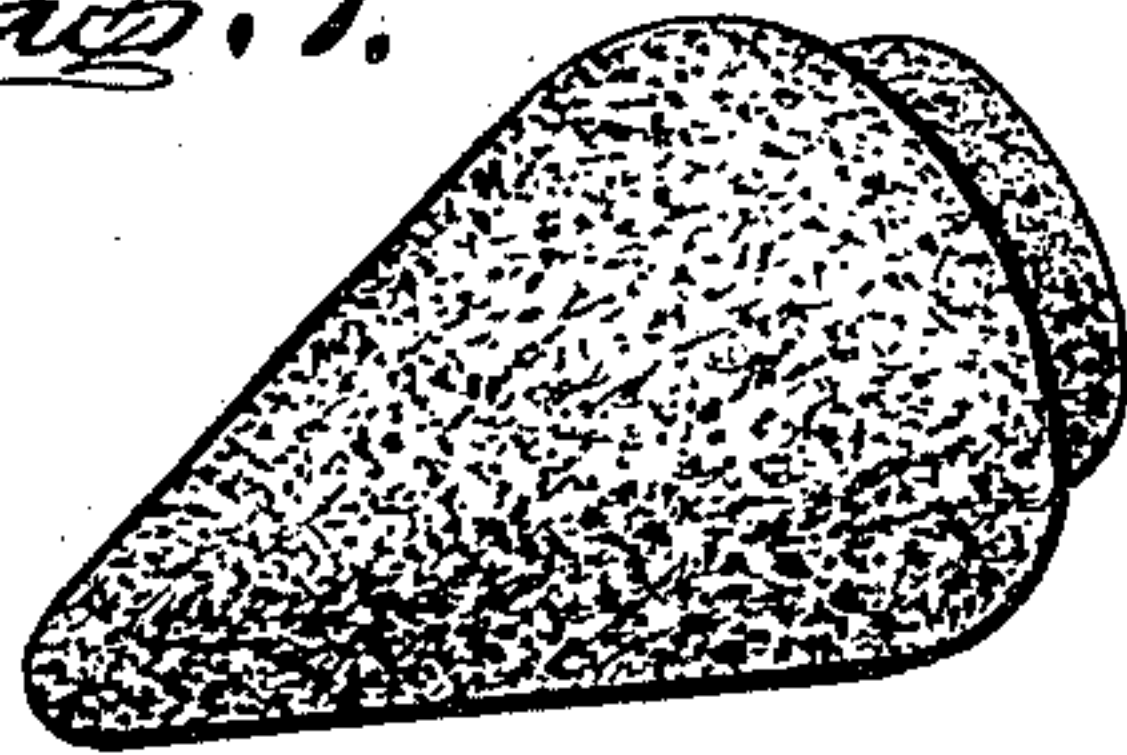
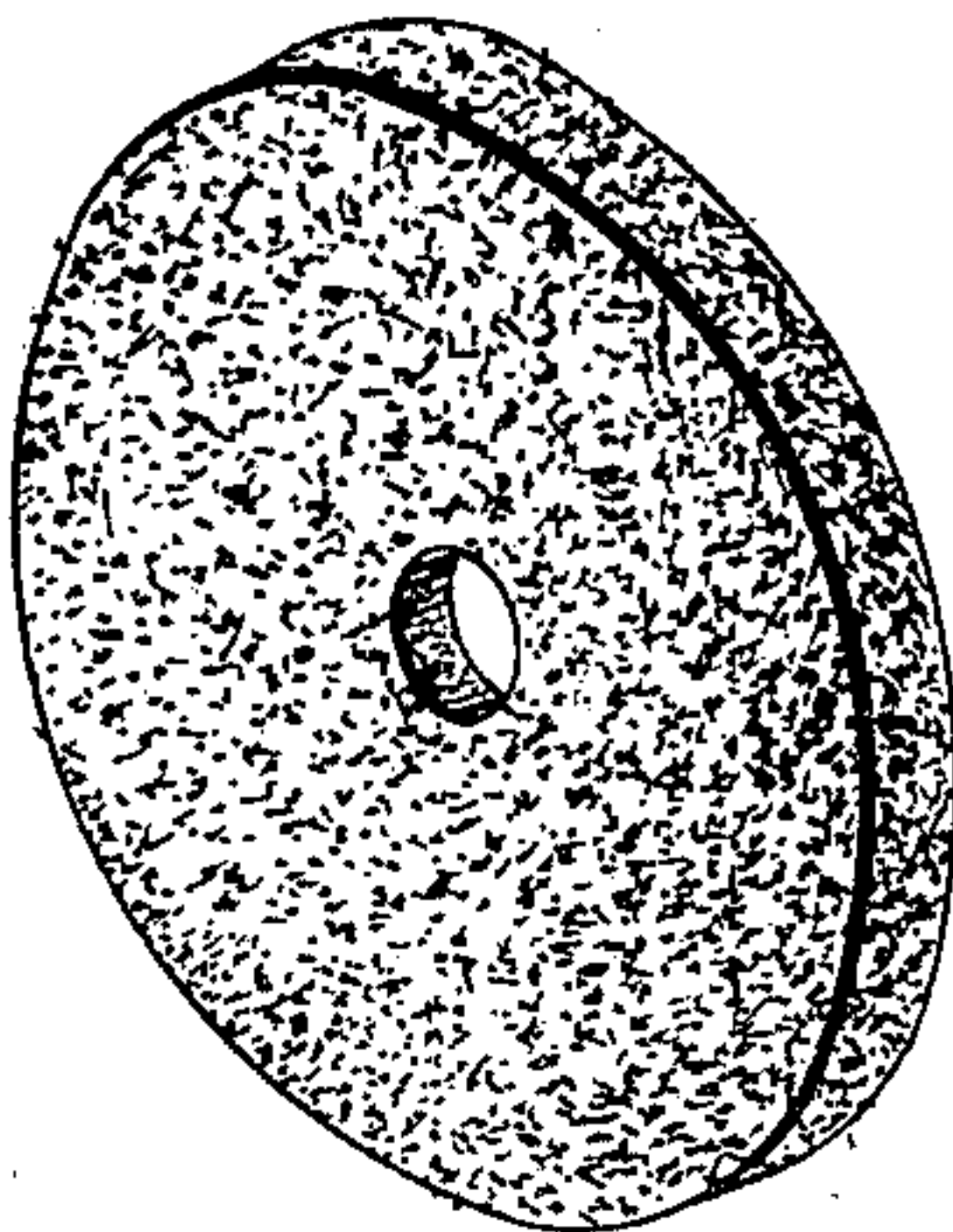


Fig. 2.



Witnesses

Jas. A. G. Kaehl.
Bl. Cool.

By

A. B. Wilson & Co.
Attorneys

Inventor
Leonard G. Koenig

No. 732,949.

Patented July 7, 1903.

UNITED STATES PATENT OFFICE.

LEONARD G. KOENIG, OF HAZLETON, PENNSYLVANIA.

POLISHING CONE AND WHEEL.

SPECIFICATION forming part of Letters Patent No. 732,949, dated July 7, 1903.

Original application filed May 1, 1902, Serial No. 105,572. Divided and this application filed October 6, 1902. Serial No. 126,178. (No model.)

To all whom it may concern:

Be it known that I, LEONARD G. KOENIG, a citizen of the United States, residing at Hazleton, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Polishing Cones and Wheels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to polishing cones or wheels primarily intended for use by jewelers and dentists, being a division of an application filed by me May 1, 1902, Serial No. 105,572; and the object of the invention is to treat the wheel or cone so as to enhance its usefulness as well as prolong its life.

Cones or wheels used on lathes for polishing rubber plates, crown bridge-work, and jewelry are made in part or wholly of felt. In accordance with my invention I apply to the felt a solution of shellac—say, for instance, a twenty-five per cent. alcoholic solution—while the shellac is in an unheated state and allow the shellac to be absorbed by the cone or wheel and to become dry, thus hardening the felt and producing a durable and highly efficient polishing wheel or cone which will not soften by the continual use of water in polishing. After the felt wheels or cones have thus been hardened in shellac and dried they are dipped in a solution of heated glue to render them

somewhat less brittle, and by using a glue solution of appropriate strength and heat I am enabled to thus “temper” the felt wheels or cones, so that the same are of any required degree of brittleness.

In the accompanying drawings, Figure 1 is a view of a dental polishing-cone, and Fig. 2 is a view of a dental polishing-wheel, treated in the manner above set forth.

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

1. A polishing or abrading device of the class described made of felt, saturated with a solution of shellac which is allowed to dry and harden, and subsequently saturated with a solution of heated glue, substantially as described.

2. The herein-described process of hardening a felt polishing or abrading device, consisting in saturating the same with a solution of shellac, drying the same to fix the shellac therein, and subsequently applying a solution of heated glue to the said device and allowing the same to dry.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LEONARD G. KOENIG.

Witnesses:

JOHN WILHELM,
W. T. MCNEAL.