

L. Holtzscheiter,

Polishing Wheel.

N^o 53,825.

Patented Apr. 10, 1866.

Fig. 1

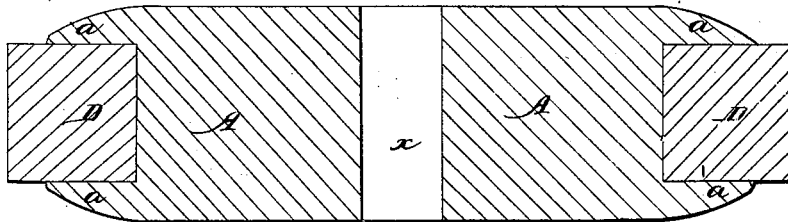
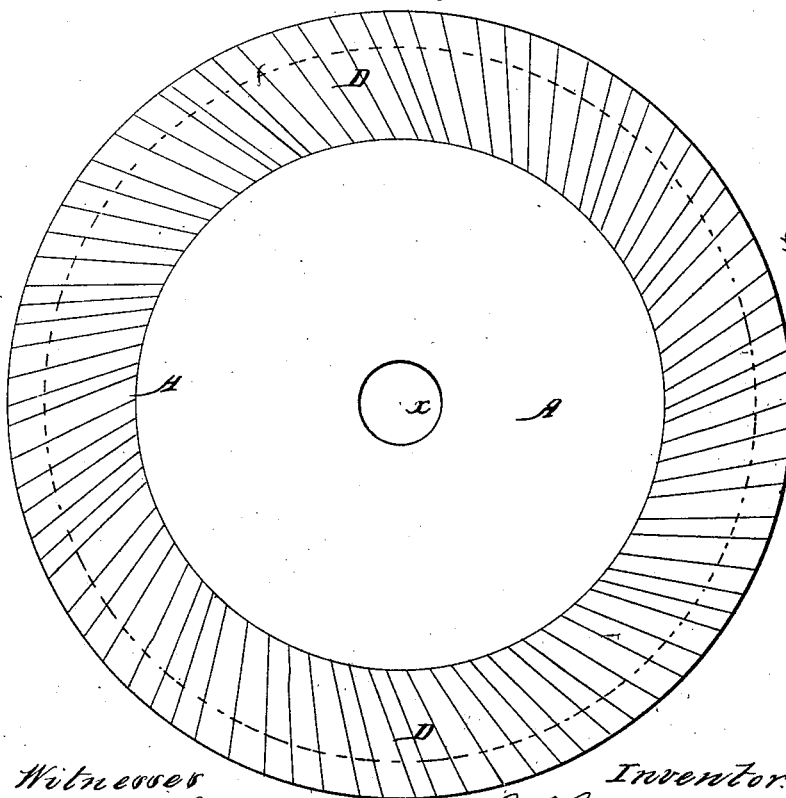


Fig. 2



Witnesses

Wm. Albert Steel
John Parker

Inventor.

L. Holtzscheiter
By His Attys
J. H. Howson

UNITED STATES PATENT OFFICE.

LEONHARD HOLTZSCHEITER, OF PHILADELPHIA, PENNSYLVANIA.

POLISHING-WHEEL.

Specification forming part of Letters Patent No. 53,825, dated April 10, 1866; antedated March 25, 1866.

To all whom it may concern:

Be it known that I, LEONHARD HOLTZSCHEITER, of Philadelphia, Pennsylvania, have invented an Improved Polishing-Wheel; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to the construction of wheels used, with and without emery or other material, to polish metal articles; and my improved polishing-wheel consists of a disk of wood or other suitable material and a series of strips of leather packed and cemented together and into a groove in the periphery of the said disk, all as described hereinafter, so that the wheel may be much more durable than polishing-wheels of the ordinary construction.

In order to enable others to make my invention, I will now proceed to describe the manner of constructing the same.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 represents a transverse section of my improved polishing-wheel, and Fig. 2 a vertical section.

A is a disk, of wood or metal, having a central opening, *x*, for the reception of a shaft. In the periphery of this disk is turned a groove or recess for the reception of a series of strips, D, of leather, which are packed tightly and glued or cemented into the said recess and to each other, the whole being held tightly in place until the cement is dry, when the wheel

is adapted to a lathe or caused to revolve with its spindle, and the leather periphery of the wheel turned perfectly true, or with such grooves in its surface as may be desired for polishing particular objects.

In constructing ordinary polishing-wheels it is usual to wrap a leather band round and cement it to a disk and then turn the leather surface true. Polishing-wheels thus made last but a short time, as the leather wears away very fast.

I have found in practice that a polishing-wheel constructed in the manner described is much more durable than those of ordinary construction, owing doubtless to the fact that the end grain of the leather is presented at the polishing-surface. I prefer to arrange the strips in the inclined position illustrated in Fig. 2, and to cause the wheel to revolve in the direction of the arrow; but this plan is not indispensable.

I claim as my invention and desire to secure by Letters Patent—

The polishing-wheel consisting of a disk, A, of wood or other suitable material, and a series of strips, D, of leather packed and cemented together and into a groove in the periphery of the said disk, all as set forth.

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

LEONHARD HOLTZSCHEITER.

Witnesses:

JOHN WHITE,
H. HOWSON.