

WALTER S. JARBOE.

Improvement in Emery-Wheels.

No. 126,706.

Patented May 14, 1872.

Fig. 1.

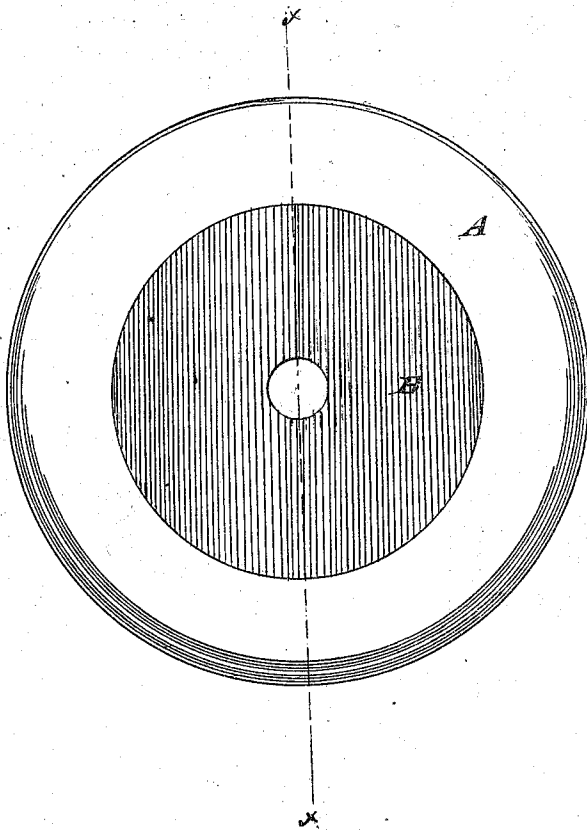
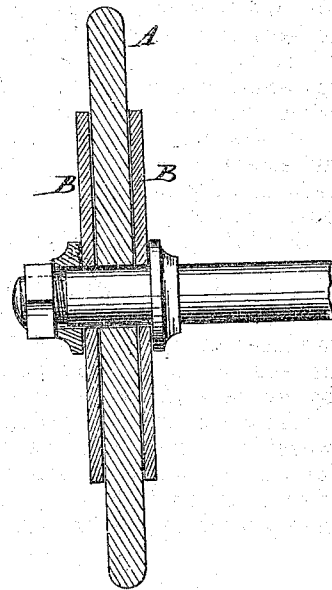


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

WALTER S. JARBOE, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND
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IMPROVEMENT IN EMERY WHEELS.

Specification forming part of Letters Patent No. 126,706, dated May 14, 1872.

Specification describing a new and useful Improvement in Emery Wheels, invented by WALTER S. JARBOE, of the city of New York, in the county and State of New York.

This invention relates to the construction of emery wheels for grinding and polishing metals; and consists in the application of disks of leather, rubber, pasteboard, textile or felted material, or any other elastic or flexible material, to one or both sides of the emery-wheel, as hereinafter more fully described.

In the drawing, Figure 1 is a side view of an emery wheel with my improvement attached. Fig. 2 is a cross-section of the wheel on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the emery wheel. B is a disk of rubber or other elastic or flexible material, which is placed upon one or both sides of the wheel, as seen in the drawing, and made to adhere by means of glue or other suitable cement.

The object of this application to the emery wheel is to strengthen the wheel and prevent its bursting when revolving at a high rate of speed. It is well known that the thinner the emery wheel is the greater the danger of its

bursting. Thin emery wheels are very necessary in the mechanic arts, but are not used to the extent they would be, or are run at low speed, on account of the risk to life and limb. By strengthening them with some flexible material, in the manner shown, they may be made very thin and revolved at any desired speed with perfect safety.

I prefer to make the flexible disk of good leather and attach it to both sides of the wheel; but it may be made of other material, as before stated, and placed upon only one side of the wheel, the latter application depending upon the thickness of the wheel or the speed at which it is made to revolve.

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

The emery wheel A, combined with a flexible disk, B, arranged on each side, and adapted to adhere to all parts thereof, as and for the purpose described.

WALTER S. JARBOE.

Witnesses:

GEO. W. MABEE,
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