

No. 792,050.

PATENTED JUNE 13, 1905.

F. M. KING.

EMERY OR OTHER GRINDING OR ABRASIVE WHEEL.

APPLICATION FILED MAR. 10, 1904.

Fig. 1.

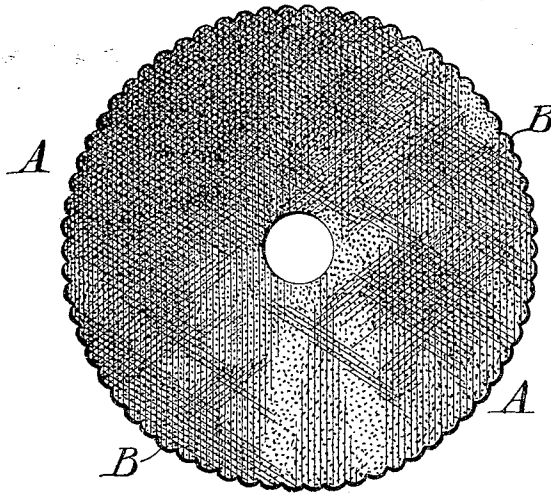
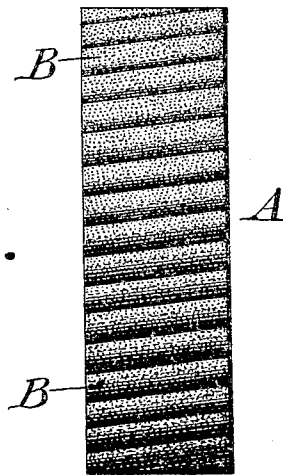


Fig. 2.



Witnesses

P. F. Nagle
L. Bouville

Inventor

Francis M. King.

By Riedersheim & Fairbank

Attorneys

UNITED STATES PATENT OFFICE.

FRANCIS M. KING, OF PHILADELPHIA, PENNSYLVANIA.

EMERY OR OTHER GRINDING OR ABRASIVE WHEEL.

SPECIFICATION forming part of Letters Patent No. 792,050, dated June 13, 1905.

Application filed March 10, 1904. Serial No. 197,534.

To all whom it may concern:

Be it known that I, FRANCIS M. KING, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Emery or other Grinding or Abrasive Wheels, of which the following is a specification.

My invention consists of a grinding or abrasive wheel or cylindrical body formed of emery or other suitable material having grinding or abrading teeth extending in a right-lined direction inclined or oblique to the sides of the wheel, unbroken from edge to edge of said sides, or approximately so, so as to have shearing or draw-cut actions on the article to be ground or abraded uniformly from side to side, thus effectively and more easily accomplishing the grinding or abrasion and with less severity on the wheel.

Figures 1 and 2 represent elevations at a right angle to each other of a grinding or abrasive wheel embodying my invention.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a wheel composed of a body of emery, to which material I do not, however, limit myself.

B designates teeth on the periphery of the wheel, the same extending in direction inclined or oblique to the sides of the wall, unbroken from edge to edge of said sides, it be-

ing evident that when rotation is imparted to the wheel the article presented to the teeth will be subjected to a grinding or abrasive action uniformly from side to side in a shearing or draw-cut manner unbroken from edge to edge of said sides, thus occasioning said action in an effective manner with reduced severity on the wheel.

In the use of the words "inclined or oblique to the sides of the wheel" it is evident that the angle of the teeth is obtuse at one side of the wheel and acute at the other side, and said angles may be varied as desired.

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

1. In a grinding or abrasive device, a rotatable cylindrical body having on its periphery grinding or abrasive teeth which are integral with the same and extend obliquely to the sides of said body right-lined from side to side.

2. As a new article of manufacture, a grinding or abrasive device consisting of a rotatable cylindrical body having a periphery composed of grinding or abrasive teeth extending obliquely to the sides of said body in an unbroken right line from edge to edge of said sides and integral with said body.

FRANCIS M. KING.

Witnesses:

WM. CANER WIEDERSEIM,
S. R. CARR.