

W. B. ARNOLD.  
Peg-Rasper.

No. 213,729.

Patented April 1, 1879.

Fig. 4.

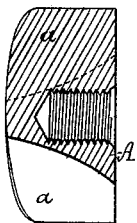


Fig. 2.

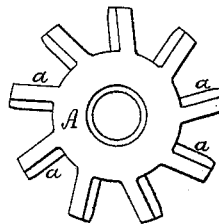


Fig. 1.

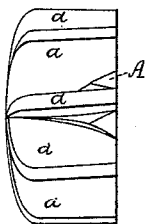


Fig. 3.

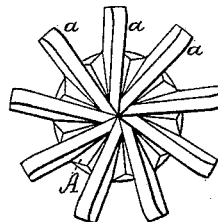


Fig. 5.

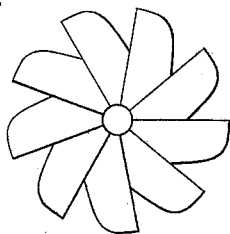
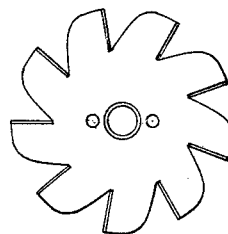


Fig. 6.



Witnesses.

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# UNITED STATES PATENT OFFICE.

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## IMPROVEMENT IN PEG-RASPERS.

Specification forming part of Letters Patent No. **213,729**, dated April 1, 1879; application filed December 9, 1878.

*To all whom it may concern:*

Be it known that I, WILLIAM B. ARNOLD, of North Abington, of the county of Plymouth and State of Massachusetts, have invented a new and useful Improvement in Peg-Raspers; and do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, Figs. 2 and 3 opposite end views, and Fig. 4 a transverse section, of one of my improved rasps, it being the cutting-tool of a peg-rasping machine.

Owing to the manner in which most if not all the peg-raspers heretofore in use have been constructed it has been found difficult to sharpen them to advantage, owing to their teeth not projecting radially beyond their supporting-base.

In carrying out my invention, I make the rasper with a conical or tapering body, and with each of its rasping-teeth radiating therefrom and extending from and beyond the base of the body, in the plane thereof, they being formed and arranged to cut at the apex of the body and in the crown or convexity of the rasper.

By my construction the curved edges of the cutters, being those which are to do the work of rasping the pegs, can be reached and sharpened to excellent advantage when such may be required.

In the drawings, *aa*, &c., denote the cutters, and *A* their tapering carrier, which usually is in one piece with the said cutters, they radiating from its axis in the manner, and beyond its sides and base, as represented.

Figs. 5 and 6 are opposite end views of a flatter stellated rasper provided with my improvement, it being for use in the toe part of a shoe or boot, the rasper, as shown by the other figures, being for use in the heel portion of the shoe or boot, each, when in use, being supported and revolved by suitable mechanism.

In the improved rasper as described it will be seen that the cutting-edges of the cutters are on the crown of the rasper and radiate from its center or axis, or they radiate from a common carrier or cone, down whose sides they extend in manner as shown.

What, therefore, I claim as my invention is—

The improved stellated peg-rasper constructed as described—viz., with a conical body and each of its rasping-teeth to radiate therefrom, and to extend from its base in the plane thereof, and formed to cut at the apex of the body and in the crown or convexity of the rasper, all as set forth.

WILLIAM B. ARNOLD.

Witnesses:

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