

J. GUARDIOLA.

Improvement in Pestle for Hulling Coffee, Rice, &c.

No. 126,200.

Patented April 30, 1872.

Fig. 1.

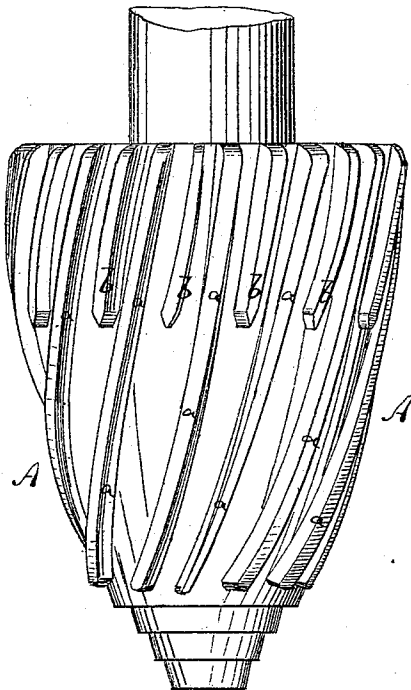
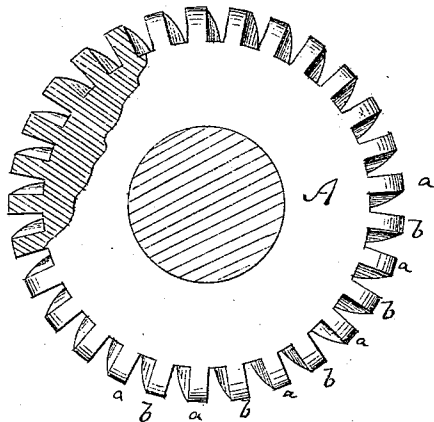


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOSÉ GUARDIOLA, OF CHOCOLÁ, GUATEMALA.

IMPROVEMENT IN PESTLES FOR HULLING COFFEE, RICE, &c.

Specification forming part of Letters Patent No. 126,200, dated April 30, 1872.

Specification describing a new and Improved Hulling-Pestle for Coffee, Rice, and other substances, invented by JOSÉ GUARDIOLA, of Chocolá, in the Republic of Guatemala, Central America.

Figure 1 represents a side view of my improved hulling-pestle. Fig. 2 is an end view, partly in section, of the same.

Similar letters of reference indicate corresponding parts.

This invention relates to a new pestle to be used in the hulling, by hand or machinery, of coffee, rice, or other substances. The invention consists in making such pestle with a series of projecting ribs of varying lengths, thereby forming grooves in which the grains work their way up, and by friction are divested of the pellicles that are to be removed.

A in the drawing represents the pestle, made of wood or other material, of inverted truncated conical form or nearly so. From its sides project a series of ribs, *a a*, extending nearly

from end to end, and slightly curved, as shown. Between every two ribs, *a a*, on the upper part of the pestle, is another shorter rib, *b*, which divides the groove between the longer ribs, as shown.

When this pestle is moved up and down in a mass of coffee, rice, or other substance, it crowds the grains up through the curved grooves between the ribs, and, by friction, divests them of the superfluous pellicles.

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

The hulling-pestle A, provided with the ribs *a* and *b*, constructed and arranged substantially as herein shown and described.

The above specification of my invention signed by me this 22d day of December, 1871.

JOSÉ GUARDIOLA.

Witnesses:

LESLIE C. HANKS,

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