

# UNITED STATES PATENT OFFICE.

CHARLES C. WARREN AND JAMES B. BALDY, OF TOLEDO, OHIO.

## IMPROVED PROCESS FOR CLEANING AND POLISHING COFFEE.

Specification forming part of Letters Patent No. **104,383**, dated June 14, 1870.

*To all whom it may concern:*

Be it known that we, CHARLES C. WARREN and JAMES B. BALDY, of Toledo, in the county of Lucas and State of Ohio, have invented a new and Improved Process of Cleaning and Polishing Coffee-Beans; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

This invention has for its object to simplify the process of cleaning and polishing raw—*i. e.*, not roasted—coffee-beans, and to prevent the application of foreign substances to the beans during such cleaning process.

Heretofore coffee-beans were polished by being thrown into revolving cylinders or other vessels, and violently thrown against and rubbed on the inner surfaces of the same. The beans will thereby come into direct contact with the metal or other substance of which the cylinder is composed, and will become partly covered with particles of such substance, receiving a gloss which, though it tempts the ignorant to buy, is prejudicial to health.

Our invention consists in polishing and

cleaning the coffee-beans in bags. They are, in their bags, placed within the tumbling cylinders or vessels, and are, by the motion, thrown and rubbed against each other, being thereby properly cleaned and polished.

This process, besides being entirely in accordance with honorable practice, is much simpler and cheaper than the ordinary manner of polishing the beans in a loose state, as it does not require the repeated undoing and making up of packages.

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

The herein-described process of cleaning and polishing raw coffee-beans, by agitating the packages or bags within which they are contained, as specified.

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