

S. G. TAYLOR.

Coffee Cleaner.

No. 101,180.

Patented March 22, 1870.

Fig. 1.

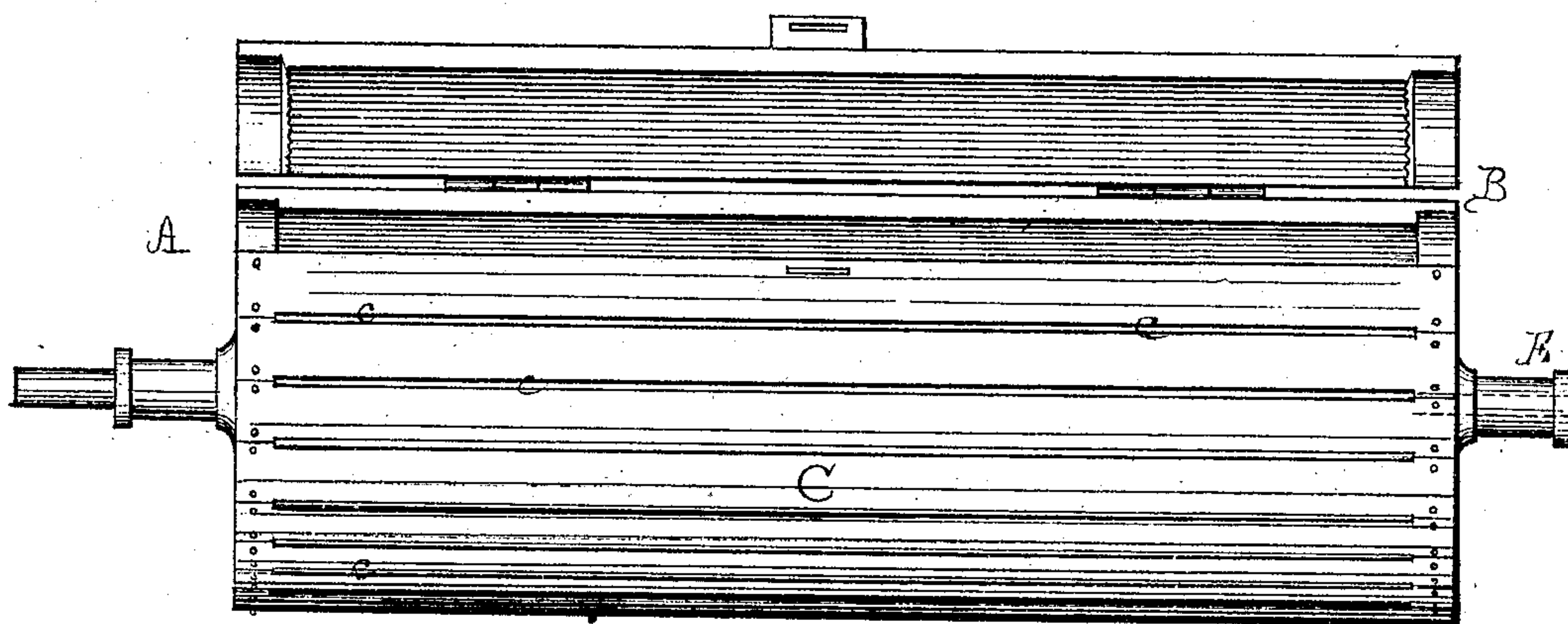
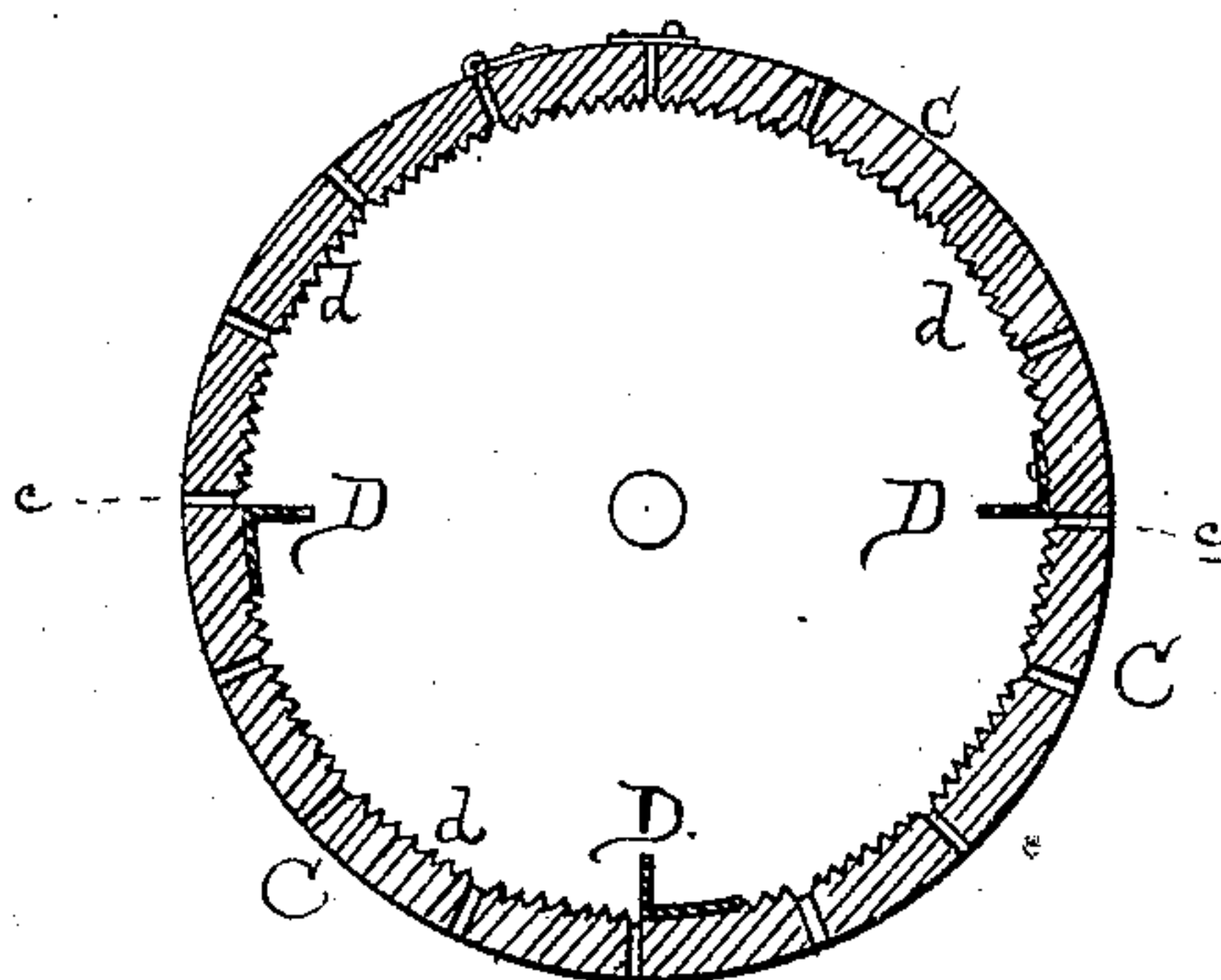


Fig. 2.



Witnesses:

Charles Huber.  
Wm. J. Peyton.

Inventor:

Samuel G. Taylor.  
J. A. Diederichsen  
Atty.

# UNITED STATES PATENT OFFICE.

SAMUEL G. TAYLOR, OF BALTIMORE, MARYLAND.

## IMPROVEMENT IN COFFEE-CLEANERS.

Specification forming part of Letters Patent No. **101,180**, dated March 27, 1870.

*To all whom it may concern:*

Be it known that I, SAMUEL G. TAYLOR, of the city and county of Baltimore, in the State of Maryland, have invented a new and useful Improvement in Coffee Cleaners and Polishers; and I do hereby declare the following to be a full and correct description of the same, sufficient to enable others skilled in the class to which my invention appertains to fully understand and construct the same, reference being had to the accompanying drawings, which make part of this specification, and in which—

Figure 1 is an elevation, and Fig. 2 a central cross-section, of my improved coffee-cleaner and polisher.

Like letters of reference indicate like parts in both figures.

My invention consists of a cylinder formed of slats, so as to leave narrow open spaces between the slats, which are, on their inner faces, corrugated or otherwise provided with a rough inner surface, against which the beans strike when the cylinder is rotated, and which rub the dust or dirt clinging to the beans from the same, allowing it to pass out from the cylinder through the spaces between the slats. On the inside of said cylinder are a number of ridges against which the coffee-beans are thrown, and which insure a thorough cleansing of all the beans.

In the drawings, A B represent the two heads of a cylinder, connected to each other by means of slats C, each edge of which has a small portion cut out, so as to leave spaces *c* between each two slats. One of the slats C is hinged and provided with a suitable locking device, so as to form a door through which the cylinder may be filled with or emptied of coffee-beans. On their inner surfaces the slats C are provided with longitudinal corrugations *d*, or have their inner surfaces otherwise roughened, so that the dust or dirt clinging to the coffee-beans is rubbed off by the roughened surfaces, as the beans are thrown against them

by the rotation of the cylinder. To insure the coming in contact with these roughened surfaces of every bean, and all parts of every bean, I provide the cylinder with any suitable number of ridges, D, extending from head to head. The trunnion E, formed on the head B, is made hollow, and thus forms the means of introducing a blast of air created by any suitable means.

The operation of my device is as follows: The cylinder, being placed in suitable bearings, is filled, through the door, with the coffee-beans to be polished and cleaned, and the door then locked. The cylinder is then rotated by any convenient device, and a blast of air introduced through the hollow trunnion E. As the cylinder is rotated the dust from the coffee is thrown out through the spaces *c*, being further impelled by the blast of air. The beans are thrown against the roughened surfaces, and by constant rubbing against them are not only thoroughly cleansed, but nicely polished also. To prevent any accumulation of beans in any part of the cylinder, and to insure the thorough cleaning and polishing of every bean, I introduce the ridges D, against which the beans are continually thrown, and which in turn scatter the beans all over the roughened surface of the inside of the cylinder, all the parts of which may be constructed of any suitable material.

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

The revolving cylinder herein shown, and composed of slats C, roughened on their inner surfaces, separated by spaces *c*, in combination with the ridges D, when constructed and operated as and for the purpose set forth.

The above signed by me this 2d day of February, 1870.

SAML. G. TAYLOR.

Witnesses:

JOHN A. WIEDERSHEIM,  
W. H. FINCKEL.