

(No Model.)

J. BURNS.
COFFEE ROASTER.

No. 279,329.

Patented June 12, 1883.

Fig. 2.

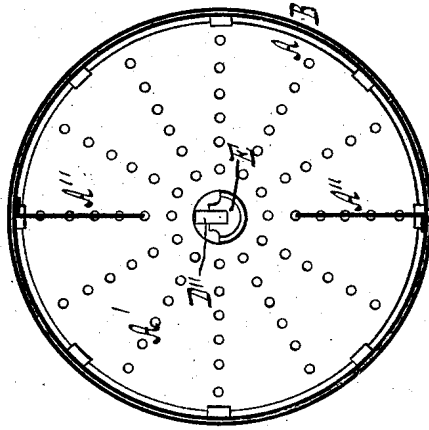
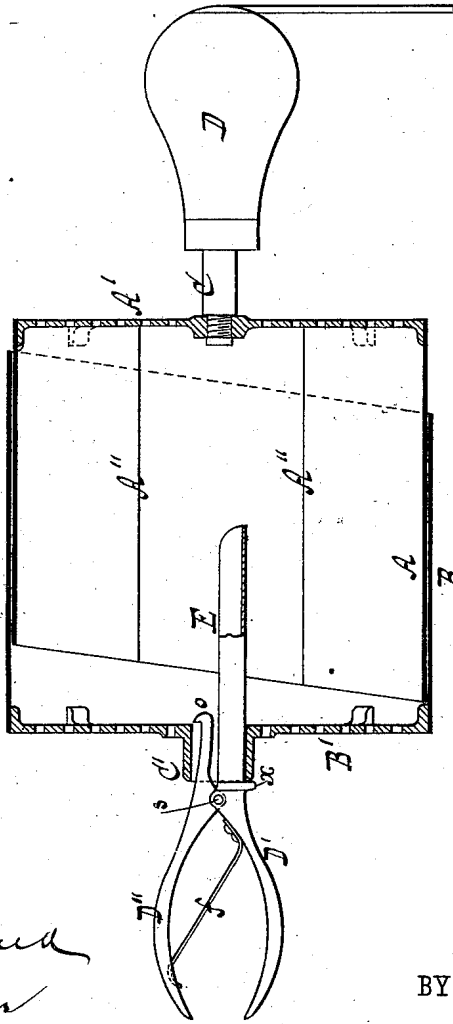


Fig. 1.



WITNESSES:

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JABEZ BURNS, OF BROOKLYN, NEW YORK.

COFFEE-ROASTER.

SPECIFICATION forming part of Letters Patent No. 279,329, dated June 12, 1883.

Application filed February 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, JABEZ BURNS, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Coffee-Roasters, of which the following is a specification.

The invention relates to that class of coffee-roasters composed of a cylinder which is divided into two separable sections, one sliding into the other, and each having a head provided with a central journal for supporting the cylinder in suitable bearings, such apparatus being intended particularly for roasting coffee in small quantities, as for sampling.

My invention consists in making both cylinder-sections oblique on the free end, to facilitate the introduction of the inner or sliding section into the outer section; further, in making the journal of one cylinder-section hollow, and providing the handle of such journal with a "trier," so called, for removing a portion of the contents of the cylinder, such handle being detachable, and the trier projecting inward through the hollow journal. For securing the handle to the hollow journal it is provided with a pivoted spring-latch, which projects inward through the hollow journal, together with the trier, to engage the inner end of the journal, and which, under normal conditions, occupies an unlocked position, as hereinafter more fully set forth.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a longitudinal section. Fig. 2 is a cross-section.

Similar letters indicate corresponding parts.

The letters A B designate the sections of the cylinder, one of which is fitted into the other and slides therein, so that the sections can be separated by drawing them away from each other. The cylinder-section A is provided with a head, A', and the section B with a head, B', both of which heads are provided with a central journal, C or C', so that when the sections are united the whole may be placed in suitable bearings to receive revolving motion. In the inner cylinder-section, A', may be arranged lifting-ribs A'', which serve to agitate the coffee in the revolutions of the cylinder.

The letters D D' indicate the handles of the journals. These handles, being at the oppo-

site ends of the cylinder, allow it to be taken hold of with convenience, and supported at those points when being lifted into or out of the journal-bearings, or when the sections A B are to be united or separated. The free ends or edges of both cylinder-sections A B are at an oblique angle to the axis of the cylinder, as shown in Fig. 1, and hence when the sections are united the passage of one into or over the other is gradual, so that no difficulty is had in putting them together. By said oblique edges, moreover, each cylinder-section is made to resemble a scoop, of which D or D' is the handle.

The journal C' is hollow, and through it projects inward into the cylinder a trier, E, which is concomitant to the handle D', this trier consisting, in the example shown, of a channel-shaped strip of sheet metal or the like, open at the inner end. Said handle D' is detachable from the hollow journal, and thus allows a portion of the coffee in the cylinder to be removed by means of the trier E for inspection, which is a desideratum, because it obviates the necessity of separating the cylinder-sections for this purpose. The letter D' indicates a latch, which is pivoted, as at s, to the detachable handle for locking it to the hollow journal. This latch is provided at the inner end with a hook, o, whereby it is adapted to engage the inner end of the hollow journal, and is subjected to the action of a spring, f, having a tendency to force it to an unlocked position, as shown in Fig. 1, so that under normal conditions it occupies that position; hence when the latch is at rest the handle D' may be freely removed, while if the latch is depressed against the action of its spring the hook o catches over the inner end of the hollow journal, thus preventing the withdrawal of the handle. The outer portion of the latch D'' is shaped similar to the handle, both being curved, and the correct position of the latch relatively to the inner end of the hollow journal is determined by a stop, x, on the handle abutting against the outer end of the journal.

What I claim, and desire to secure by Letters Patent, is—

1. A coffee-roaster consisting of the two cylinder-sections, each having a head provided with a central journal, and each having its free edge oblique to the axis of the cylinder.
2. A coffee-roaster consisting of the two cyl-

inder-sections, each having a head provided with a central journal and handle, and each having its free edge oblique to the axis of the cylinder.

5 3. The combination, substantially as hereinbefore set forth, with the cylinder-sections, each having a head provided with a central journal, one such journal being hollow, of the
10 detachable handle concomitant to the hollow journal, provided with a trier, which projects inward through the latter.

4. The combination, substantially as hereinbefore set forth, with the cylinder-sections, each

having a head provided with a central journal, one such journal being hollow, of the detach- 15
able handle concomitant to the hollow journal, provided with a trier, the locking-latch of such handle, and the retracting-spring of the latch.

In testimony whereof I have hereunto set 20
my hand and seal in the presence of two subscribing witnesses.

JABEZ BURNS. [L. s.]

Witnesses:

CHAS. WAHLERS,

D. VAN SANTVOORD.