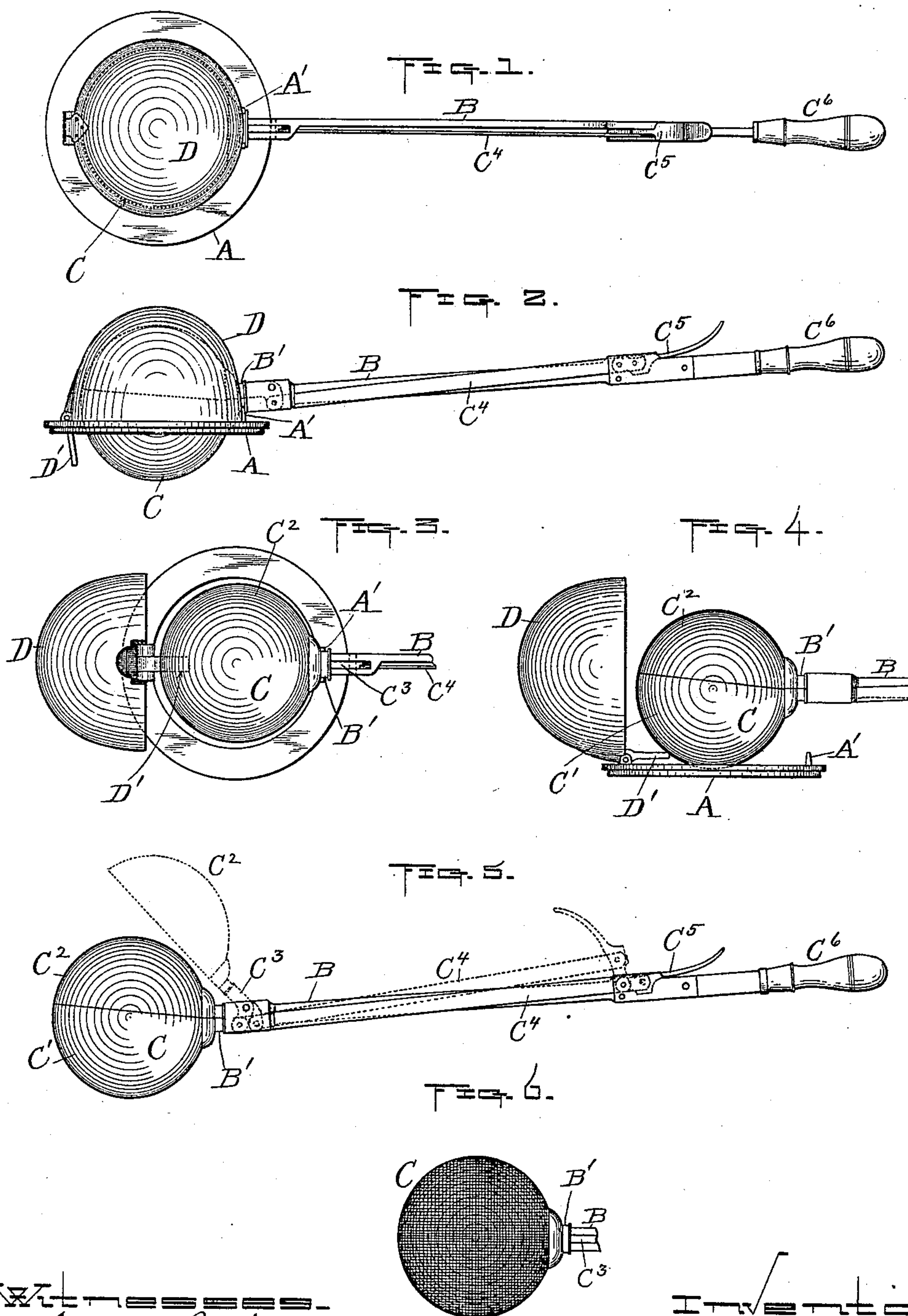


(No Model.)

O. HAMMARSTROM.
COFFEE ROASTER.

No. 449,850.

Patented Apr. 7, 1891.



Witnesses.
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UNITED STATES PATENT OFFICE.

OLOF HAMMARSTROM, OF WORCESTER, MASSACHUSETTS.

COFFEE-ROASTER.

SPECIFICATION forming part of Letters Patent No. 449,850, dated April 7, 1891.

Application filed September 22, 1890. Serial No. 365,718. (No model.)

To all whom it may concern:

Be it known that I, OLOF HAMMARSTROM, of the city and county of Worcester, and State of Massachusetts, have invented certain new and useful Improvements in Coffee-Roasters; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming a part of this specification, and in which—

Figures 1 and 2 represent a plan and side view, respectively, of my improved coffee-roaster fitted in a stove-ring which is provided with a hinged cover adapted to shut over the top of the roaster-receptacle, as hereinafter more fully explained. Figs. 3 and 4 are similar views of the stove-ring, the hinged cover, the roaster-receptacle, and part of its arm or handle, showing said cover swung up and the receptacle in position preparatory to dropping it into the opening of the stove-ring. Fig. 5 is a side view of the roaster independent of the stove-ring and its cover, showing the receptacle closed by full lines, and with its lid or cover swung up by dotted lines; and Fig. 6 shows a modification in the construction of the roaster-receptacle.

My invention consists of certain improvements in the construction of different parts of the coffee-roaster, as will be hereinafter described.

In order that others may fully understand the nature and purpose of my said invention, I will now proceed to describe it more in detail.

In the drawings, A represents a stove-ring adapted to fit into the usual circular openings of any ordinary cooking-stove, and which is provided with an upwardly-projecting flange A' of the proper size and shape to act as a rest for the main arm B of the roaster when the globular receptacle C of said roaster is fitted to the stove-ring, as is shown in Figs. 1 and 2. To the upper side of said ring opposite from the handle-rest A' is pivoted a hemispherical-shaped cover D, preferably made of sheet metal, and adapted to fit down onto the top surface of the stove-ring over the roaster-receptacle C when it is swung down or closed over said receptacle, as is also shown in Figs. 1 and 2.

At or near the pivot of cover D said cover

is provided with a rigid finger D', projecting at or about at right angles to the base-line of the cover, so that when said cover is swung up or opened, as shown in Figs. 3 and 4, said finger will project partly across the opening in the stove-ring. The purpose thereof is to provide a bearing for the globular receptacle C to strike against and automatically close the cover D over it in placing said receptacle in position in the ring.

In Figs. 3 and 4 I have shown the receptacle and part of its supporting-arm with the receptacle just touching the end of the afore-said finger of the cover preparatory to lowering said receptacle into the ring and closing the cover D over the same. When thus lowered, the rest A' on the ring fits into a groove B' in the main arm close to the receptacle, thus holding the latter in position longitudinally as it is turned during the roasting operation.

The globular receptacle is made in two parts—the lower part C', which is rigidly secured to the main arm B and in which the coffee is placed, and the upper part C², which is pivoted to said main arm and acts as a lid or cover to open and close said receptacle. Said cover has an arm C³ extending rearward, which is pivoted at a short distance from its outer end to the main arm B, and at a short distance from said pivot toward the outer end of the arm C³ to a connecting rod or bar C⁴, the opposite end of said rod or bar being pivoted to a hand-lever C⁵ at a short distance from its inner end, and at a short distance from said pivot toward said end the lever is pivoted to the main arm B. By this construction it is obvious, by reference to Fig. 5, that when the handle of lever C⁵ is forced up and forward from the position shown by full lines to that shown by dotted lines the upper part or cover C² of the receptacle is elevated, as shown by dotted lines in said figure, and lowered by reversing the operation, owing to the fulcrums of the connecting rod or bar C⁴ being eccentric to those of the arm C³ and hand-lever C⁵, as above described and shown in said Fig. 5. The main arm B is provided with suitable vertical slots at each end of the rod C⁴ to hold said rod, the arm C³, and lever C⁵ in position laterally, as is shown in Fig. 1 of the drawings. Said main arm also has a

handle C⁶ at its outer extremity, whereby the device may be turned during the roasting operation.

If desired, my improved roaster may be utilized for other similar purposes than for roasting coffee—as, for instance, by making the globular receptacle of wire-netting, as is shown in Fig. 6, a good corn-popper may thus be produced without departing from the principle of my invention.

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

1. The stove-ring A, having the upturned flange or handle-rest A', and the cover D, pivoted to said ring at the opposite side from said rest, in turn provided with the finger D', projecting across the ring-opening when said cover D is swung up, in combination with the globular receptacle C and its supporting arm or handle, substantially as and for the purpose set forth.

2. The stove-ring A, having the upturned flange or handle-rest A' and the cover D, pivoted to said ring at the opposite side from said rest, in turn provided with the finger D', projecting across the ring-opening when said cover D is swung up, in combination with the globular receptacle C, composed of the part C', secured to the main arm B, and the part C², secured to an arm C³, pivoted to frame B, and means for operating said part C², consisting of its aforesaid arm C³, the connecting-rod C⁴, and hand-lever C⁵, said rod being pivoted at one end to arm C³, at its opposite end to hand-lever C⁵, and said hand-lever in turn pivoted to the main frame, substantially as set forth.

OLOF HAMMARSTROM.

Witnesses:

A. A. BARKER,
W. B. NOURSE.