

(No Model.)

G. TAYLOR & M. B. McLAUTHLIN.
GARBAGE DRIER OR CARBONIZER.

No. 563,332.

Patented July 7, 1896.

FIG. 1.

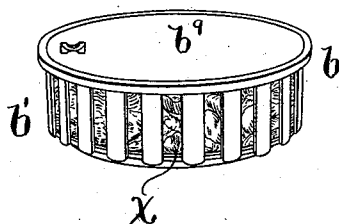


FIG. 2.

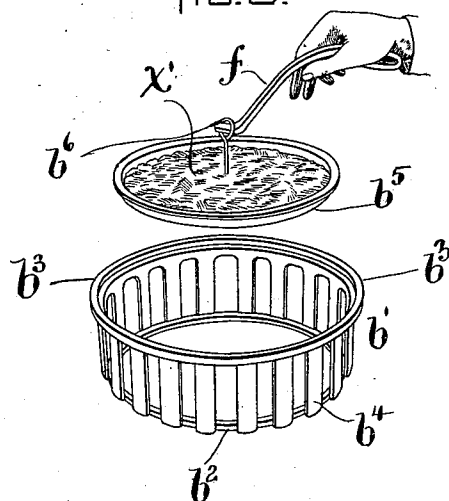
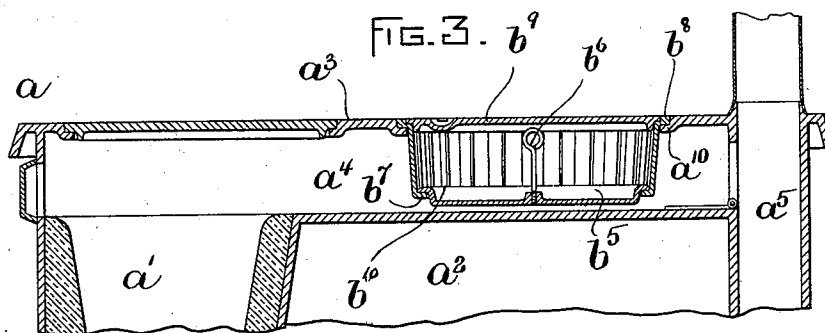


FIG. 3.



WITNESSES:

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George Taylor and
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by Wright Brown & Quincy Attys

UNITED STATES PATENT OFFICE.

GEORGE TAYLOR AND MARTIN B. McLAUTHLIN, OF BOSTON, MASSACHUSETTS, ASSIGNORS TO THE SANITARY CONSTRUCTION COMPANY, OF NEW YORK, N. Y.

GARBAGE DRIER OR CARBONIZER.

SPECIFICATION forming part of Letters Patent No. 563,332, dated July 7, 1896.

Application filed November 7, 1895. Serial No. 568,166. (No model.)

To all whom it may concern:

Be it known that we, GEORGE TAYLOR and MARTIN B. McLAUTHLIN, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Garbage Driers or Carbonizers, of which the following is a specification.

This invention relates to a new and useful improvement in garbage driers or carbonizers; and it consists in the novel features of construction and relative arrangement of parts hereinafter fully described in the specification, clearly illustrated in the drawings, and particularly pointed out in the claims.

Reference is to be had to the accompanying one sheet of drawings, forming a part of this application, in which like characters are used to indicate like parts wherever they occur.

Figure 1 represents in perspective a carbonizer constructed in accordance with our invention. Fig. 2 is a detailed perspective view showing the crate and removable bottom. Fig. 3 represents in vertical section a range with our improved carbonizer in position for use.

a represents a stove or range having a fire-box a' , an oven a^2 , a top a^3 , and a space a^4 between the top a^3 and the oven a^2 , forming a passage-way from the fire-box a' to the stove-pipe a^5 .

Our improved carbonizer b is composed of a crate b' , comprising two rings b^2 b^3 , united by bars b^4 , and a dish-shaped removable bottom b^5 . To the bottom b^5 may be connected an eyebolt b^6 , whereby the bottom may be inserted and removed from the crate by a stove-lid lifter f , or other implement. The bottom should be tight to retain any liquids in the garbage. The bottom, preferably, has a flange b^{10} , adapted to engage a flange b^7 on the lower inside end of the crate. At its upper end this crate is formed with an outwardly-projecting flange b^8 , adapted to engage the usual flange a^{10} of the stove-lid hole. A cover b^9 is arranged to close the top of the crate to prevent the escape of noxious gases or disagreeable odors.

In practice, the carbonizer is placed in position in the range, as shown in Fig. 3, in one of the stove-lid holes over the oven, the crate projecting into the passage-way a^4 be-

tween the fire-box and the stovepipe, the garbage x is thrown into the crate, and the cover b^9 placed in position. The products of combustion from the fire-box to enter the stovepipe a^5 must pass through and about the crate, thus contacting the garbage x or contents of the crate not only on top, but at the sides thereof. The garbage is thus cheaply and quickly dried and carbonized, after which the bottom b^5 with the carbonized garbage x' may be removed, and the latter thrown into the fire-box.

The several features of our improved carbonizer may be varied without departing from the spirit and scope of our invention, which includes a crate, open at its top and bottom, and composed of two rings united by bars or a perforated cylinder and a tight bottom adapted to fit in the bottom of said crate or cylinder.

Having thus explained the nature of our invention and described a way of constructing and using the same, though without attempting to set forth all of the forms in which it may be made or all of the modes of its use, what we claim, and desire to secure by Letters Patent, is—

1. A garbage-drier, comprising in its construction, a crate having open ends and perforated sides, a removable dish-shaped bottom arranged in said crate, a removable cover for the top of said crate, and provisions upon said crate for engaging the sides of a stove-lid hole, or other opening, substantially as and for the purpose set forth.

2. A garbage-drier, comprising in its construction, a hot-air passage, an open-sided crate located therein, a removable tight bottom for said crate, a cover for closing the top of said crate, whereby the products of combustion are made to contact the contents of said crate, on top of, and at the sides of said contents, substantially as and for the purpose set forth.

In testimony whereof we have signed our names to this specification, in the presence of two subscribing witnesses, this 4th day of November, A. D. 1895.

GEORGE TAYLOR.

MARTIN B. McLAUTHLIN.

Witnesses:

A. D. HARRISON,
ROLLIN ABELL.