(No Model.)

G. S. CHAMBERLIN.

DEVICE FOR GRATING AND DELIVERING SOAP.

No. 445,769. Patented Feb. 3, 1891.

Fig. 1.

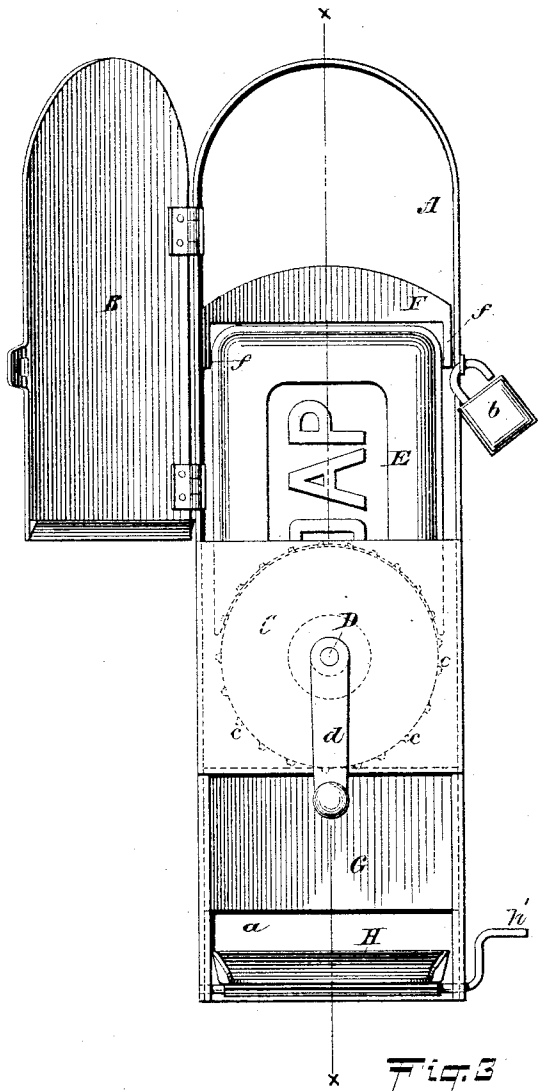


Fig. 2.

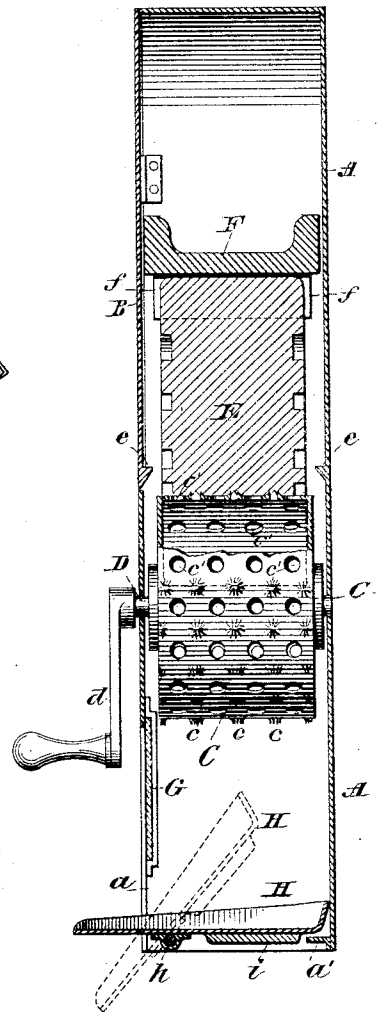
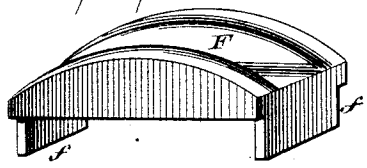


Fig. 3



WITNESSES:

Gustave Dieterich

William Goebel.

INVENTOR

Geo. S. Chamberlin

UNITED STATES PATENT OFFICE.

GEORGE S. CHAMBERLIN, OF NEW YORK, N. Y.

DEVICE FOR GRATING AND DELIVERING SOAP.

SPECIFICATION forming part of Letters Patent No. 445,769, dated February 3, 1891.

Application filed June 12, 1890. Serial No. 355,175. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. CHAMBERLIN, a citizen of the United States and of the State of New York, and a resident of the city, county, and State of New York, have invented a new and useful Improvement in Devices for Grating and Delivering Soap, of which the following is a specification, reference being had to the accompanying drawings.

In the drawings, Figure 1 represents a front view; Fig. 2, a side view on the line *x x* in Fig. 1, and Fig. 3 a perspective view of the weight.

Similar letters of reference indicate corresponding parts.

It is well known that soap as ordinarily kept, placed, and used in hotels, steamboats, bar-rooms, toilet and wash rooms, both public and private, becomes slimy, soft, and repugnant to the eye and touch, unfit for use, and wasted; therefore this invention has for its objects and relates to devices, first, to prevent the soap from being wasted; second, to provide against the appropriation of the cake of soap by dishonest or malicious persons, and, third, to guard against the possible spread of contagious diseases by the indiscriminate handling of soap. These objects are attained by inclosing the cake of soap E in the box A, which may be made of any suitable material, preferably of cast or sheet iron, galvanized or otherwise protected against oxidation and adapted to be fastened to any vertical surface convenient for use, said box being provided with a grater-drum or cylinder C near its lower end, the said drum to be made of any suitable sheet metal and to be punched so as to form grating-points *c*, and also perforated with smooth-edged holes *c'* to allow the grated material to drop out at the lower side of the drum as it revolves. The cake of soap E is placed endwise on the upper periphery of the drum C and firmly held against it by the weight F, which is made with downwardly-extending side wings *f*, which serve to guide it and maintain it in position, the brackets *e* preventing it from coming in contact with the grater-drum. The said drum C has a spindle D passing through its center, to which is attached the crank *d*, with which the drum is made to revolve, which operation reduces the soap to a coarse powder and deposits it on the shelf H, the same being pivoted at *h*. A crank *h'* is attached to the pivot *h*, whereby the shelf H may be tilted forward and the grated soap delivered through the opening *a* into the hand held underneath the box. The shelf H is returned to a normally-level position by the counterpoise *i* and supported in that position by the bracket *a'*.

Above the opening *a* a pane of glass G is inserted to enable the operator to see the quantity of soap being grated.

The box is provided with a door B and a lock *b*.

This device may be used with equal facility for grating any substance other than soap, especially horseradish, as the root being inclosed it cannot give out its acrid fumes while being grated.

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

A device for delivering ordinary cake or bar soap in a powdered or granular form, comprising the box A, the grater-drum C, made of sheet metal punched so as to form grating-points and otherwise perforated to allow the escape of the grated material, the winged weight F, and the pivoted tilting shelf H, as set forth.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 11th day of June, 1890.

GEO. S. CHAMBERLIN.

Witnesses:
JAMES LANGAN,
JOHN J. MEEHAN.