

(No Model.)

3 Sheets—Sheet 2.

R. CROMMER.
COMBINED SPICE CADDY.

No. 398,383.

Patented Feb. 26, 1889.

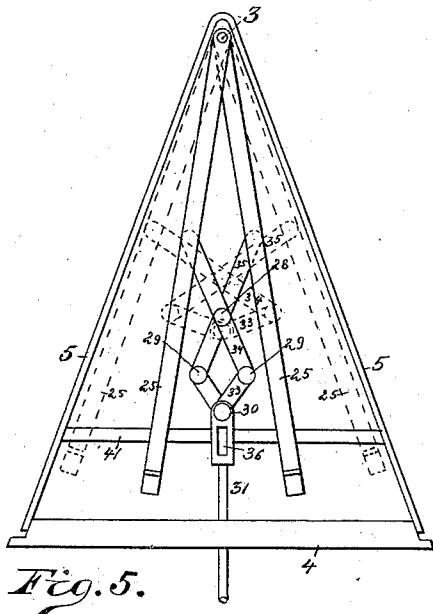


Fig. 5.

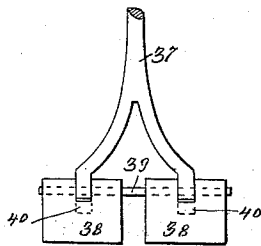


Fig. 7.

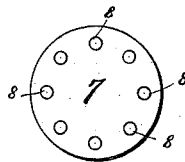


Fig. 8.

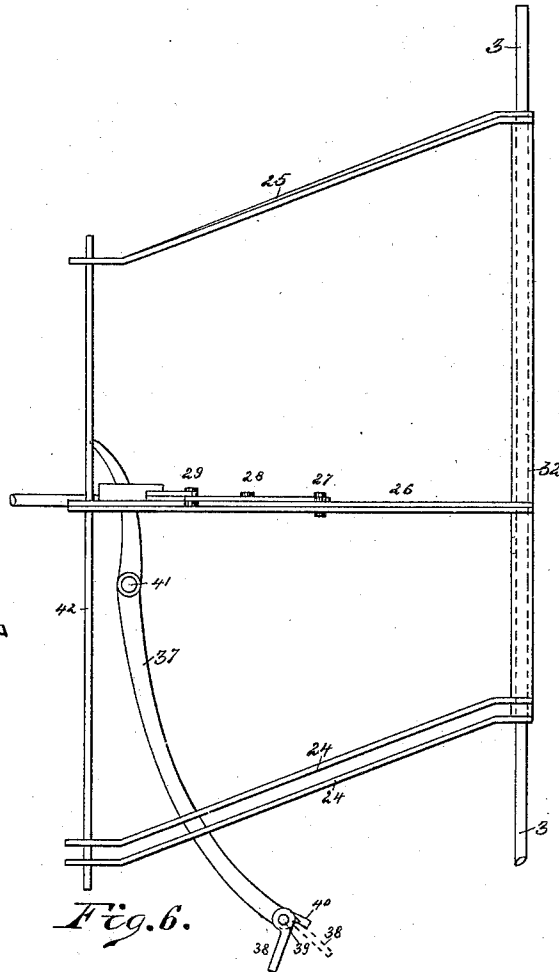


Fig. 6.

WITNESSES:

G. J. Harding
Wm. J. Harding

INVENTOR

Robert Crommer
by his attorney
Butler Kenner Harding

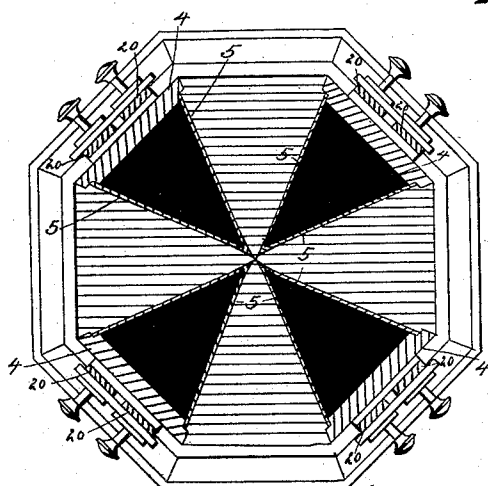
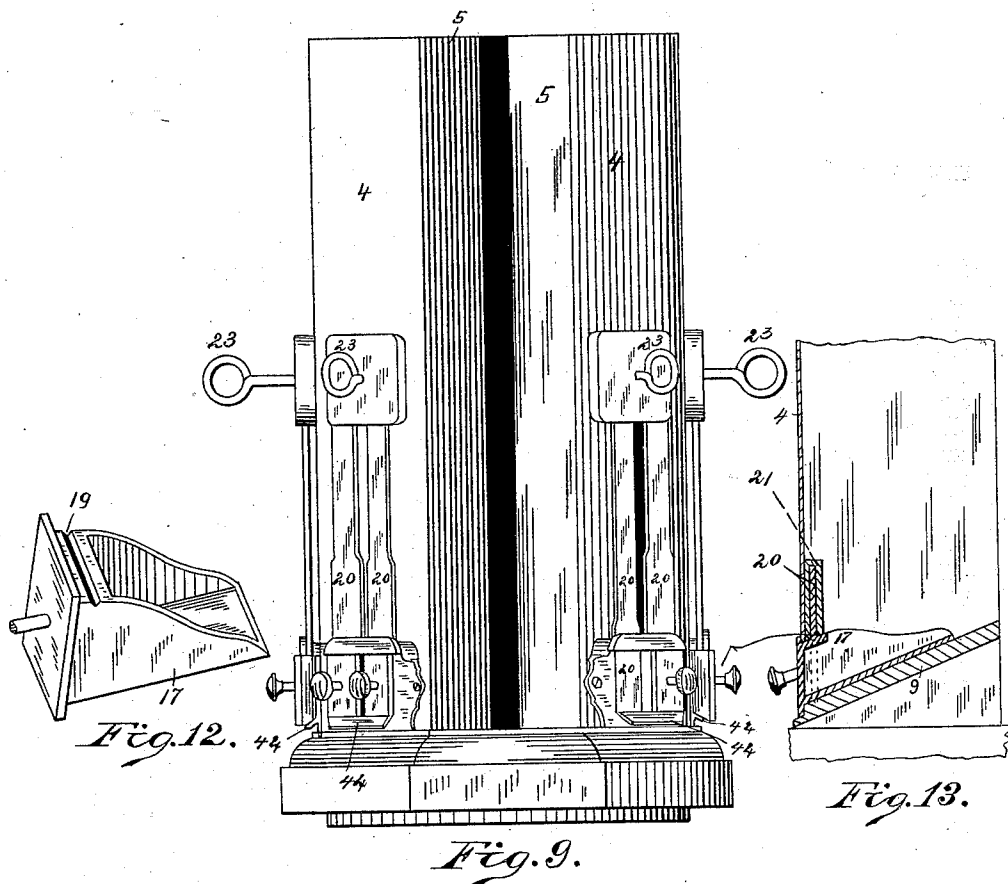
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3 Sheets—Sheet 3.

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WITNESSES:

Fig. 10.

G. J. Harding
[Signature]

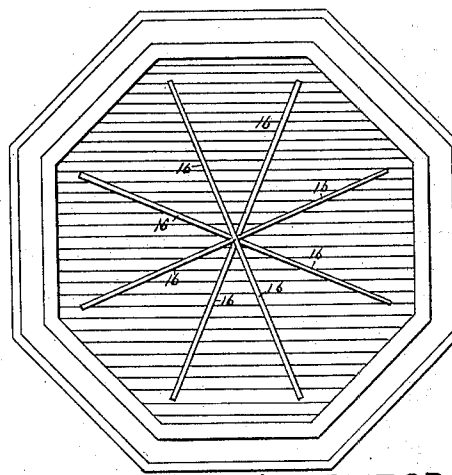


Fig. 11.

INVENTOR

Robert Crommer
By his attorney
[Signature]

UNITED STATES PATENT OFFICE.

ROBERT CROMMER, OF PHILADELPHIA, PENNSYLVANIA.

COMBINED SPICE-CADDY.

SPECIFICATION forming part of Letters Patent No. 398,383, dated February 26, 1889.

Application filed January 5, 1888. Serial No. 259,837. (No model.)

To all whom it may concern:

Be it known that I, ROBERT CROMMER, a subject of the Queen of Great Britain and Ireland, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Combination Spice-Caddy, of which the following is a true and exact description, due reference being had to the drawings which accompany and form a part thereof.

My invention consists of a combination spice-caddy formed of several compartments, suitably secured together and resting on a common base and having a common top, the whole forming, preferably, an octagonal prism made up of eight triangular prisms, the said caddy so composed having means, as hereinafter described, for rotating it—preferably rollers attached to the base thereof—and scoops of different capacities, which enter the compartments at an oblique angle. In practical construction, however, I find it preferable to make the caddy a frustum of an octagonal pyramid, the top of each compartment being somewhat smaller than the base, so that it inclines slightly toward the vertical axis of the whole caddy. This makes the compartment less likely to fall off the base, and also aids in preventing the spices from clogging in the compartment. These compartments are separable—i. e., one may be removed to be refilled or for any other purpose without disturbing the remaining compartments. The several compartments are intended to hold different spices, and are provided with scoops of different capacities. Each compartment may be provided with an agitator, so that the contents of each compartment may readily flow into the scoops. The caddy is provided with suitable means for rotating it, so that the operator may have before him any desired compartment.

The objects of my invention are, first, to provide a substantial and attractive-looking caddy for holding several kinds of spices; second, to enable any desired spice to be taken from the caddy; third, to enable any desired compartment to be removed for the purpose of refilling without disturbing the remaining compartments; fourth, to enable spices in any certain desired quantities to be taken out by

scoops holding exactly the desired quantities; fifth, by means of weighted slides to prevent the escape of spices when the scoops are removed; sixth, to cause the spices to fall freely into the scoops. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation of the entire apparatus. Fig. 2 is a central sectional elevation showing two compartments, agitators, scoops, and mechanism for rotation. Fig. 3 is a horizontal section of Fig. 1 on the line 1 2. Fig. 4 is a plan view of the movable base inverted, showing rollers. Fig. 5 is a plan view of one compartment, showing the agitating device. Fig. 6 is a side elevation of the agitating device. Fig. 7 is a front view of the shovels at the lower end of the agitator. Fig. 8 is a plan view of the washer or support which secures the rods 3. Fig. 9 is a side elevation of the entire apparatus as shown in Fig. 1, one section being removed. Fig. 10 is a horizontal section on the line 1 2 in Fig. 1, the alternate sections of the apparatus being removed. Fig. 11 is a plan view of the movable base, showing cleats for separating the sections. Fig. 12 is a perspective view of the scoop, showing indentations for the slide. Fig. 13 is a sectional elevation of part of one section of the caddy, showing the scoop and the slide arranged on the inner side of the side piece.

Similar figures refer to similar parts throughout the several views.

The combination spice-caddy is made of wood, indurated fiber, zinc, or other suitable material. I prefer to make the side 4, Fig. 9, of wood, and the sides 5 5, Fig. 9, of sheet-iron or other suitable metal. I prefer to construct the caddy of an octagonal shape, as shown in the drawings, being composed of eight separable compartments or sections. The sides 5 5 of each section may be made in one piece of metal bent into a V shape.

The caddy has upon it a top, 6, more or less ornamental in appearance, (shown in Fig. 1,) and this top is removable at pleasure, exposing to view the interior of the several sections, which may then be filled with different spices, or, more conveniently, the sections may be removed and filled separately. The

caddy is preferably somewhat smaller at the top than at the base, the sides 4 4 sloping toward the center. Immediately under the top 6 is the support 7, having holes 8 in it. This support 7 is shown in cross-section in Fig. 2. Through these holes 8 run rods 3 into the false bottom 9 of each section. I insert the otherwise the space 10 would be filled with spices which would not be reached by the scoops, and therefore could not be removed. The lower base, 12, of the caddy rests upon a counter or other solid body. The caddy is supported on a pivot, 13, inserted in the orifice 14, Fig. 4, in the upper or movable base, 11. This upper base, 11, has rollers 15 secured to it to permit of its rotating on the pivot 13. A plan view of the base 11 inverted shows the arrangement of the mechanism for rotating the caddy. On the top of the upper base may be arranged cleats or flanges 16 to hold the sections of the caddy, between each pair of cleats a section being inserted. The scoops 17 18, of which there are preferably two, are of different capacities, holding such an amount of spice as is customarily sold to a purchaser, ordinarily one or two ounces. The scoops taper off obliquely, as shown in Fig. 12, enabling the slide 20 to fall gradually. In the sides of the scoops 17 18 are slight indentations 19. The position of these indentations depends on whether the slide 20 falls on the inner or outer side of the side 4. A slide, 20, of brass, lead, or other suitable material, is outside of the compartment in Figs. 1 and 2, and is shown inside in Fig. 13. The slide 20 may be in a case of wood, and preferably is so constructed, if inside, or it may be exposed, as shown in Fig. 1. The slide 20 must be of some material of sufficient weight to fall without the aid of a spring when the scoop is removed. It drops into the indentation 19 in the scoops 17 18 and holds it in place when not withdrawn. If the slide 20 is on the inner side of the side 4, it preferably has a casing of wood, 21. When the scoops are removed, the slide falls and closes the orifice. In Fig. 9 one slide is shown covering the orifice.

It is of advantage to have the spices shaken up or agitated in the several compartments to prevent their clogging and to insure their readily falling into the scoops. One form of agitator is shown in the drawings, especially in Figs. 2, 5, and 6. Fig. 5, which is a plan view of one section, shows the position of the agitator when the handle 23 is pulled out. If this handle be pushed in, the agitator assumes the position shown in the dotted lines. The rod 3 is fastened at top and bottom, as hereinbefore described. On it is a collar, 32, as shown in Fig. 6, to keep the arms in position. This rod 3 runs through the agitating-arms 24 25 26. These arms are preferably sharpened at their edges to enable them to cut through the spices. When the handle

23, attached to the rod 31, is pulled out by means of the levers 33 34 35, bolted together by bolts 28 29 30, the agitating-arms move apart and cut through the spices. The upper arms, 25, and lower arms, 24, are at an angle to the rod 3, as shown in Fig. 6. In addition to the agitating-arms, there is a shovel-lever, 37, having at its lower end two shovels, 38, hung on a rod, 39, and having back of them pins 40. (Shown in Fig. 7.) As a result of this mechanism, the shovels are rigid when moved forward and push the spices into the scoops, over which they hang, as shown in Fig. 2. When the shovels are pushed back, they are movable, as the pins 40 are then before them. This enables them to be readily pushed back. This shovel-lever 37 is pivoted at 41, and runs through the orifice 36 in the rod 31, making with it a movable joint. When the handle 23 is pushed in, the shovels are moved forward, as will readily be seen from an inspection of Figs. 2 and 6, and when the handle 23 is pulled out the shovels move back.

The flanges 44 project from the sides 4 of the caddy under the orifices in which the scoops 17 18 are inserted. These flanges act as bearings for the scoops when the operator is inserting them.

Having now fully described my invention, what I desire to claim and secure by Letters Patent is—

1. A caddy for holding tea, coffee, spices, and the like, comprising separable sections, the said sections resting on a movable base, in combination with means, substantially as shown and described, for rotating the said caddy, and scoops of different capacities in each of the said sections, the said scoops entering the said sections at an oblique angle.

2. The caddy herein shown and described, comprising separable sections, the said sections having false bottoms 9 and resting on a movable base, 11, in combination with the rollers 15 for rotating the said caddy, and the scoops 17 18, which enter the said sections at an oblique angle, as shown.

3. In combination, a caddy composed of separable compartments, the rods 3, running through the said compartments, and the supports 7, through which the rods 3 run.

4. A caddy composed of separable sections, the said sections resting on a movable base between flanges 16 and inclining toward the vertical axis of the caddy.

5. A caddy composed of compartments having the agitator 24 25 26 42 in the said compartments, all substantially as shown and described.

6. A caddy comprising compartments having the agitator 24 25 26 in the said compartments, all substantially as shown and described.

7. A caddy comprising compartments having the agitator 24 25 26 42 3 in the said compartments, all substantially as shown and described.

8. A caddy composed of compartments having the agitator 24 25 26 42 and the shovel-lever 37 and the shovels 38 in the said compartments, all substantially as shown and described.
5

9. The agitator 24 25 26 42 3, in combination with the shovel-lever 37 and the shovels 38, all substantially as shown and described.

In testimony of which invention I have hereunto set my hand, at the city of Philadelphia, this 31st day of December, A. D. 1887.

ROBERT CROMMER.

Witnesses:

RICHD. S. CHILD, Jr.,
BUTLER KENNER HARDING.