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C. PHILIPPI

2,492,439

COATING APPLICATOR

Filed Sept. 19, 1947

Fig. 1

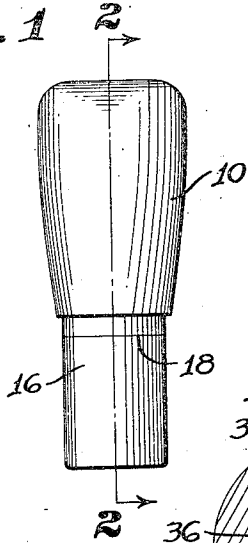


Fig. 2

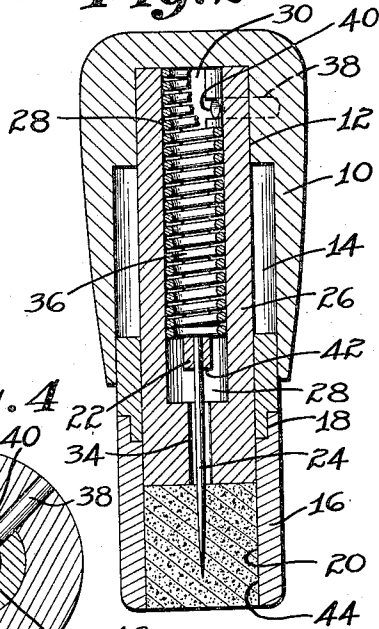


Fig. 4

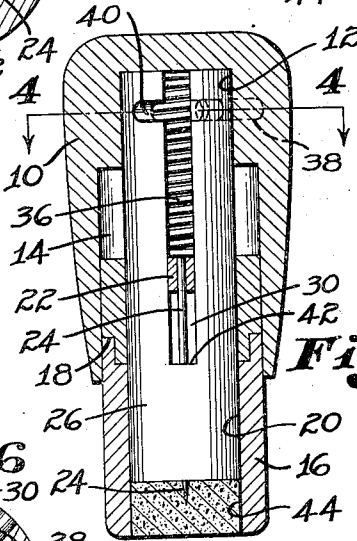
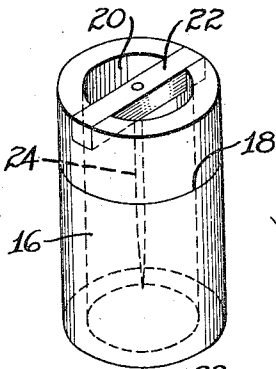
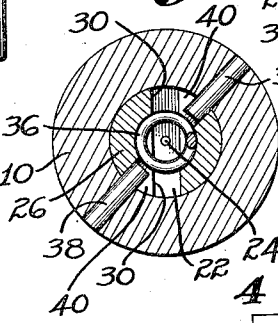


Fig. 5

Fig. 6

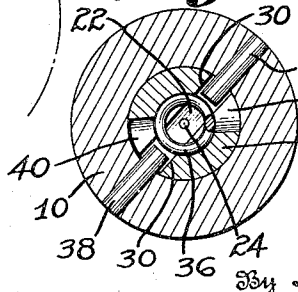


Fig. 3

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# UNITED STATES PATENT OFFICE

2,492,439

## COATING APPLICATOR

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6 Claims. (Cl. 91—62.5)

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My invention relates to applying utensils and particularly to a spring-urged means for spreading substance against a surface by pressing and rubbing the said device against the said surface.

It is my principal object to provide a device adapted to hold and to spread substance such as garlic, chili, and the like, over the surface of salad mixing containers as, for example, a salad bowl.

It is my further object to provide such a device capable of holding within itself such substance, urging a surface of such substance against the surface to be applied, and in the meantime preventing the escape of such substance from the device except as applied to the applied surface.

It is another of my objects to provide such a device able to hold and retain the substance to be applied while the device is in inoperative situation; i. e., when the device is not applied to the surface to be applied.

Another of my objects is to provide a device easily disassembled and taken apart in order that thorough cleaning may be accomplished, it being important in all applicators, and particularly in applicators for use as kitchen utensils, that utmost cleanliness be maintained.

It will be immediately observed that my applicator is adaptable not only for use in the kitchen but for general application, such as in the applying of waxes and the like; and further objects of the invention will appear hereinafter.

In the drawings:

Figure 1 shows a side elevational view of my applicator.

Figure 2 shows a longitudinal sectional view thereof taken on the line 2—2 of Figure 1.

Figure 3 shows a partial section similar to Figure 2, but showing the applicator in operative position.

Figure 4 shows a cross section of my applicator taken on the line 4—4 of Figure 3.

Figure 5 shows an exploded view of several elements of the applicator.

Figure 6 is a view similar to Figure 4, but showing the applicator in the process of being assembled.

Referring to the drawings, my device consists of a handle 10 having a bore 12 therein, the said bore 12 having an enlarged diameter at its portion 14. Adapted to be slidably received in the portion 14 of the bore 12 is a cylinder 16 joined at 18 for disassembly and easy cleaning. The said cylinder 16 is bored at 20 and recessed at

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its top to receive a crossbar 22 from which depends a needle or spit 24.

Adapted to be slidably received in the bore 20 of the cylinder 16, and also, the bore 12 of the handle 10, which are of the same diameter, is a plunger 26 having a bore 28, slots 30 and a smaller bore 34. The bore 28 receives a compression spring 36, the one extremity of which abuts against the top inner surface of the handle 10 and the other extremity of which abuts the crossbar 22.

The slots 30 are adapted to pass the crossbar 22 during the assembly of the device when the plunger 26 is fitted within the cylinder 16 and, likewise, pass the studs 38 which project from the handle 10 and which are received in the notches 40 of the plunger 26 to hold the said plunger within the bore 12 of the handle 10.

It will be noted that the cylinder 16 is held within the portion 14 of the bore 12 by virtue of the seating as shown in Figure 2 of the crossbar 22 on the extremity 42 of the slots 30.

The device is assembled by sliding the plunger 26 into the bore 20 of the cylinder 16, the slots 30 permitting the extending of the said plunger 26 through and above the cylinder 16. Next, the spring 36 is dropped into the bore 28 of the said plunger 26 to rest against the crossbar 22. The cylinder 16 carrying the plunger 26 is then slid into the portion 14 of the bore 12, the plunger 26 passing into the bore 12 of the handle 10 and the slots 30 permitting passing of the studs 38. As shown in Figure 6, the slots 30 are registered with the studs 38 and the cylinder 16 is now turned, turning the plunger 26 to register the notches 40, thus retaining the plunger 26 within the handle 10, the seat 42 of the slots 30 retaining the cylinder 16 as in Figure 2.

In operation the operator presses a piece of garlic, a chili, or the like, within the recess 44 formed by the plunger 26 and the cylinder 16 impaling same as necessary upon the spit 24. It is understood that other substances may be placed in or packed within the recess 44. The operator then presses the device against the surface to be applied, such as a salad bowl, and exerts downward pressure upon the handle 10. Such downward pressure causes the plunger 26 to be moved downwardly with respect to the cylinder 16 as shown in Figure 3 and at the same time causes the spring 36 to spring-urge the cylinder 16 likewise against the surface to be applied. The substance within the recess 44 is squeezed against the surface to be applied by the plunger 26 while the spring urging of the cylinder 16 pro-

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vides an annular shield to prevent undue displacement of the said substance from the said recess 44.

Easy disassembly and cleaning of the device may be accomplished by a twisting of the cylinder 16 to cause the slots 30 of the plunger 26 to register with the studs 38 of the handle 10 as in Figure 6. The cylinder 16 and plunger 26 then may be removed from the handle 10 and the elements separated as is obvious from the aforesaid.

While there has been described what is at present considered a preferred embodiment of the present invention, it will be apparent to those skilled in the art that various modifications and changes may be made without departing from the essence of the invention, and it is intended to cover herein all such modifications and changes as come within the true scope and spirit of the appended claims.

I claim:

1. A device of the class described comprising: a handle; a plunger rigidly mounted within said handle and projecting therefrom; a shield slidably mounted about said plunger and within said handle, said shield being slidable outwardly with respect to said handle; and a spring abutting at its one end said handle and at its other end said shield, said spring normally urging said shield to a position overlapping said plunger whereby to provide a recess with said plunger to receive substances to be applicated.

2. A device of the class described comprising: a handle; a plunger rigidly mounted within said handle and projecting therefrom, said plunger and said handle defining an inner annular space; an annular shield slidably mounted in said annular space; and a spring abutting at its one end said handle and at its other end said shield, said spring normally urging said shield to a position overlapping said plunger whereby to provide a recess with said plunger to receive substances to be applicated.

3. A device of the class described comprising: a handle; a plunger rigidly mounted within said handle and projecting therefrom; a bore in said handle, said bore and said plunger defining an annular space within said handle; a cylindrical shield slidably mounted in said annular space; and a spring abutting at its one end said handle and at its other end said shield, said spring normally urging said shield to a position overlapping said plunger whereby to provide a recess with said plunger to receive substances to be applicated.

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4. A device of the class described comprising: a handle; a plunger provided with an upper slot and a lower bore rigidly mounted within said handle and projecting therefrom; a bore in said handle, said bore and said plunger defining an annular space within said handle; a cylindrical shield slidably mounted in said annular space said shield having a cross bar passing through said upper slot in said plunger; and a spring abutting at its one end said handle and at its other end said shield, said spring normally urging said shield to a position overlapping said plunger whereby to provide a recess with said plunger; and a spit mounted in said cross bar and projecting through said lower bore of said plunger into said recess.

5. A device of the class described comprising: a handle; a plunger mounted within said handle and projecting therefrom; studs mounted within said handle; notches in said plunger adapted to engage said studs and hold said plunger rigid with said handle; an annular shield slidably mounted about said plunger and within said handle, said shield being slidable outwardly with respect to said handle; and a spring abutting at its one end said handle and at its other end said shield, said spring normally urging said shield to a position overlapping said plunger whereby to provide a recess with said plunger to receive substances to be applicated.

6. A device of the class described comprising: a handle; a slotted bored plunger mounted rigidly within said handle and projecting therefrom; a shield slidable on said plunger, said shield having a cross bar passing through said slot in said plunger; a spring within said bored plunger abutting at its one end said handle and at its other end said cross bar, said spring normally urging said shield to a position overlapping said plunger whereby to form a recess; and a spit mounted in said cross bar and projecting through said plunger into said recess.

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