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(54) DETERGENT DISPENSER

BEHÄLTER ZUR ABGABE VON WÄSCHEBEHANDLUNGSMITTEL

BOUCHON DISTRIBUTEUR POUR DETERGENT

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Description

[0001] This invention relates to a detergent dispenser and more particularly to a dispenser for liquid washing detergent.

[0002] Such a dispenser, according to the preamble of claim 1, is disclosed in FR-A-2637298.

[0003] When doing household washing in an automatic washing machine, it is often useful to dab washing detergent on to soiled parts of clothing such as cuffs and collars before the clothing is placed in the washing machine.

[0004] It is an object of the invention to provide a novel dispenser of the above kind.

[0005] The invention provides a detergent dispenser as defined in claim 1, and a method of treating soiled parts of clothing as defined in claim 5.

[0006] In a preferred form the closure has an external thread for screwing the closure into the detergent container.

[0007] The second part is preferably in the form of a shallow cap with an internal thread engageable with the external thread of the closure.

[0008] The closure and the cap preferably have complementary formations to enable the cap releasably to be joined to the closed top of the closure.

[0009] An embodiment of the invention will now be described by way of example with reference to the accompanying drawings in which:-

Figure 1 is an elevation of two parts of a detergent dispenser made in accordance with the invention;

Figure 2 is a similar view of the parts of the dispenser joined in an inoperative condition;

Figure 3 is a similar view of the parts of the dispenser joined in an operative condition;

Figures 4 is a plan view from above of the cap of the dispenser;

Figure 5 is a plan view from below of the cap of the dispenser, and

Figure 6 is a cross-section of the parts of the dispenser shown in Figure 1.

[0010] As shown in the drawings a dispenser 1 comprises a first part in the form of a closure 2 and a second part in the form of a cap 3.

[0011] The closure 2 comprises a top 4 having a dependent skirt made up of upper and lower sections 5a, 5b. The lower section 5b defines an open mouth 6 of the closure and has an external thread 7 which enables the closure to be screwed into and to seal a suitable container such as a liquid detergent bottle (not shown).

The closure 2 therefore normally serves the purpose of sealing a detergent bottle.

[0012] The top of the closure has a sunken peripheral channel 8 surrounding a centrally located pedestal 9 (see Figure 6).

[0013] The cap 3 has a top 10 and a narrow dependent skirt 11. The skirt 11 has an internal thread 12 (Figure 6) which is adapted to engage the external thread 7 on the closure 2. In its top 10 the cap 3 has a raised arcuate funnel 14 with an aperture 15 therein.

[0014] On the underside of the top of the cap 3 dependent arcuate flanges 16 are provided which are formed in the shape of a circle and which correspond with the pedestal 9 on the top of the closure 2.

[0015] The flanges 16 are provided to snap over the peripheral edge of the pedestal 9 when the cap is located over the top of the closure 2. The cap can thus releasably and inoperatively be joined to the closure 2 (see Figure 2).

[0016] In use, the closure 2 may be removed from its bottle, inverted and filled with detergent from the bottle. The cap 3 may then be operatively joined to the closure by screwing the cap over mouth 6 of the closure (Figure 3). Detergent may thereupon be dispensed through the aperture 15 in the cap 3 to soiled parts of clothing such as cuffs and collars.

[0017] Thus the invention provides a useful dispenser for use in clothes washing.

[0018] Many other embodiments of the invention may be made without departing from the scope of the invention described in the appended claims.

Claims

1. A detergent dispenser (1) comprising a first part (2) in the form of a closure which normally serves to seal a detergent container, the closure having a closed top (4), a dependent skirt (5a,b) and an open mouth (6), and a second part (3) in the form of a cap which is releasably engageable with the closure over its open mouth, the second part (2) having an aperture (15) for dispensing detergent, characterised by the aperture (15) in the cap being formed in a raised funnel (14) formed in the top of the cap.
2. A detergent dispenser (1) as claimed in claim 1 in which the closure (2) has an external thread (7) for screwing the closure into the detergent container.
3. A detergent dispenser (1) as claimed in claim 2 in which the second part (3) is in the form of a shallow cap with an internal thread (12) engageable with the external thread (17) of the closure (2).
4. A detergent dispenser (1) as claimed in claim 3 in which the closure (2) and the cap (3) have complementary formations (9, 16) to enable the cap

releasably to be joined to the closed top (10) of the closure.

5. A method of treating soiled parts of clothing with liquid detergent, the detergent being provided in a bottle provided with a dispenser according to any preceding claim the bottle being sealed with the closure (2) of said dispenser, the method being characterised by removing the closure (2) from the bottle; inverting it, and filling it with detergent from the bottle; joining the cap (3) over the mouth of the closure (2), and dispensing detergent through the aperture (15) in the cap to soiled parts of clothing.

Patentansprüche

1. Waschmittelspender (1), umfassend ein erstes Teil (2) in Form eines Verschlusses, das normalerweise zum Verschließen eines Waschmittelbehälters dient, wobei der Verschuß einen geschlossenen Oberteil (4), eine herabhängende Schürze (5a,b) und eine offene Mundöffnung (6) aufweist, sowie ein zweites Teil (3) in Form eines Deckels, das sich mit dem Verschuß über seiner offenen Mundöffnung lösbar in Eingriff bringen läßt, wobei das zweite Teil (2) eine Öffnung (15) zum Abgeben von Waschmittel aufweist, dadurch gekennzeichnet, dass die Öffnung (15) im Deckel in einem im Oberteil des Deckels ausgebildeten erhöhten Ausguß (14) ausgebildet ist.
2. Waschmittelspender (1) nach Anspruch 1, bei dem der Verschuß (2) ein Außengewinde (7) zum Einschrauben des Verschlusses in den Waschmittelbehälter aufweist.
3. Waschmittelspender (1) nach Anspruch 2, bei dem das zweite Teil (3) in Form eines flachen Deckels vorliegt, mit einem Innengewinde (12), das sich mit dem Außengewinde (7) des Verschlusses (2) in Eingriff bringen läßt.
4. Waschmittelspender (1) nach Anspruch 3, bei dem der Verschuß (2) und der Deckel (3) komplementäre Strukturen (9, 16) aufweisen, um es zu ermöglichen, den Deckel lösbar mit dem geschlossenen Oberteil (10) des Verschlusses zu verbinden.
5. Verfahren zum Behandeln von verschmutzten Teilen von Kleidung mit flüssigem Waschmittel, wobei das Waschmittel in einer Flasche bereitgestellt wird, die mit einem Spender gemäß einem beliebigen vorangehenden Anspruch versehen ist, wobei die Flasche mit dem Verschuß (2) des besagten Spenders verschlossen ist, wobei das Verfahren dadurch gekennzeichnet ist, dass man den Verschuß von der Flasche entfernt, ihn umdreht und ihn mit Waschmittel aus der Flasche füllt; den Dek-

kel (3) über der Mundöffnung des Verschlusses (2) befestigt, und Waschmittel durch die Öffnung (15) im Deckel auf verschmutzte Teile von Kleidung abgibt.

Revendications

1. Distributeur de détergent (1) comprenant une première partie (2) se présentant sous la forme d'un bouchon qui a normalement pour rôle de boucher un récipient à détergent, le bouchon ayant une partie supérieure fermée (4), une jupe (5a, b) qui pend de cette dernière et une embouchure ouverte (6), et une deuxième partie (3) se présentant sous la forme d'un capuchon qui peut entrer en prise de manière amovible avec le bouchon, sur son embouchure ouverte, la deuxième partie (2) ayant une ouverture (15) servant à distribuer le détergent, caractérisé en ce que l'ouverture (15) aménagée dans le capuchon est formée dans un entonnoir surélevé (14) formé dans la partie supérieure du capuchon.
2. Distributeur de détergent (1) selon la revendication 1, dans lequel le bouchon (2) possède un filetage extérieur (7) pour lui permettre d'être vissé dans le récipient à détergent.
3. Distributeur de détergent (1) selon la revendication 2, dans lequel la deuxième partie (3) se présente sous la forme d'un capuchon peu profond ayant un filetage intérieur (12) pouvant entrer en prise avec le filetage extérieur (7) du bouchon (2).
4. Distributeur de détergent (1) selon la revendication 3, dans lequel le bouchon (2) et le capuchon (3) ont des formations complémentaires (9, 16) pour permettre au capuchon d'être raccordé de manière amovible à la partie supérieure fermée (10) du bouchon.
5. Procédé de traitement de parties de vêtements souillées, avec un détergent liquide, le détergent étant contenu dans une bouteille munie d'un distributeur selon l'une quelconque des revendications précédentes, la bouteille étant bouchée par le bouchon (2) dudit distributeur, le procédé étant caractérisé par les étapes qui consistent à enlever le bouchon (2) de la bouteille, le renverser et le remplir de détergent contenu dans la bouteille ; raccorder le capuchon (3) sur l'embouchure du bouchon (2) et distribuer le détergent sur des parties de vêtement qui sont souillées, par l'ouverture (15) aménagée dans le capuchon.

Fig.1.

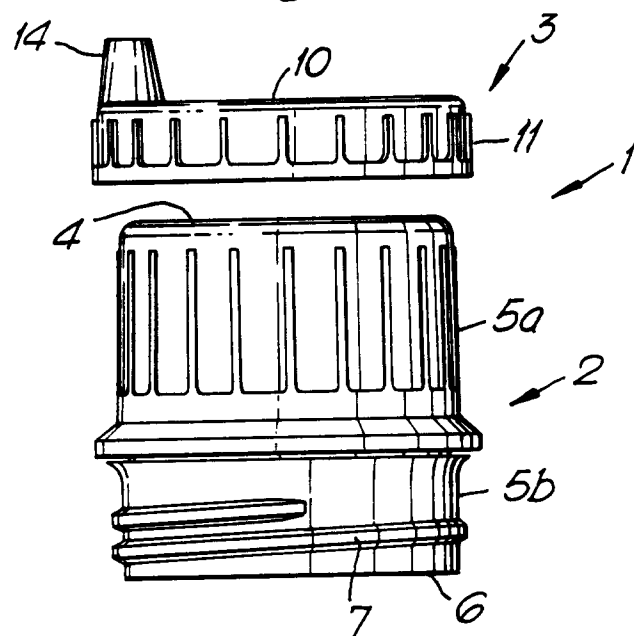


Fig.2.

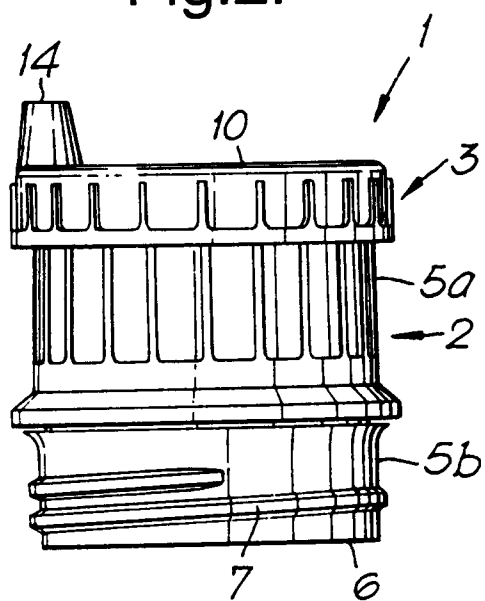


Fig.3.

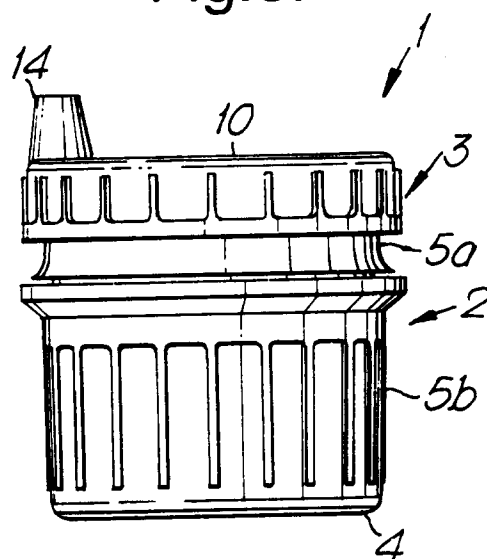


Fig.4.

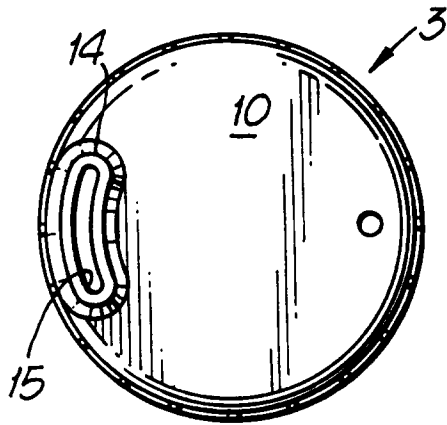


Fig.5.

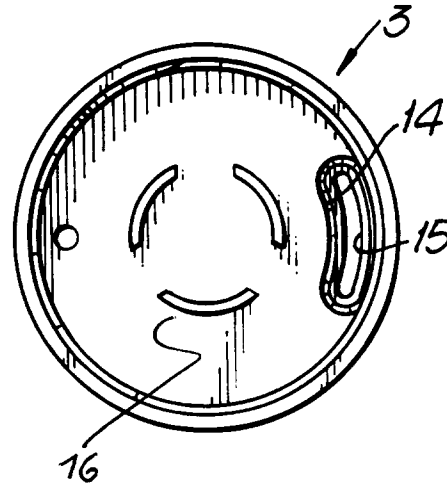


Fig.6.

