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(54) **Plumbing device comprising a soap dispenser and a warm air dryer**

(57) Plumbing device comprising a soap dispenser (1), a water tap (2) and a warm-air dryer (17) wherein

each element can be actuated in a manual and independent way from the others.

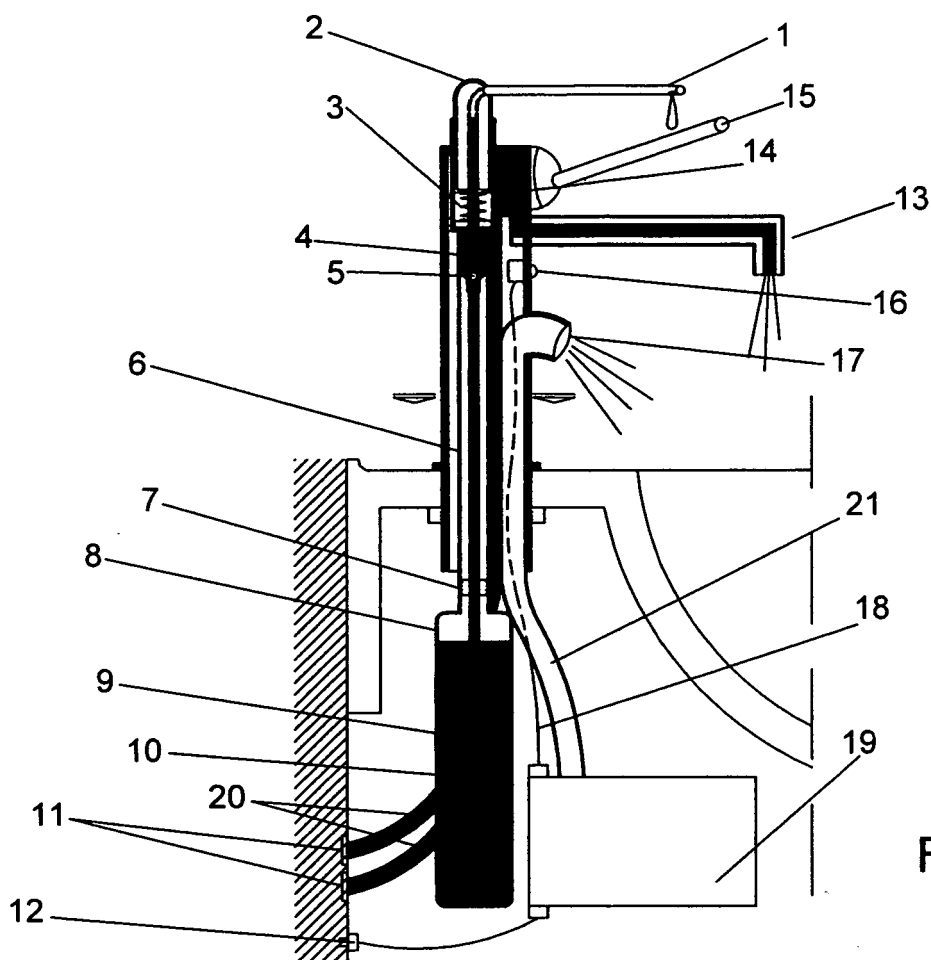


FIG. 1

Description

Object of the invention

[0001] The present invention is characterized for being a device of plumbing fixtures with dosificador of soap, dishwasher or similar and an equip of dried with warm built-in air that element tries to group in one only three essential functions in the wash, since they are the soaped one, the clarified one and the dried one, solving the problem of arranging three dispersed elements in one only device. The present body of plumbing fixtures can have application so much in wash-basins, sinks, as well as in other sanitary devices.

Precedents

[0002] The current conventional plumbing fixtures have functions relative to that of a simple water blender for the contribution of the water mixture to a certain temperature.

Description of the invention

[0003] The above mentioned invention is shaped basically by a device of plumbing fixtures in which there groups in one only element an equipment of conventional plumbing fixtures, a dosificador of soap or dishwasher and an equipment of dried, being driven in a manual and independent way each of them.

[0004] The water blender of the plumbing fixtures for the clarified one with water will be depending on the type of plumbing fixtures, already it is a type I monogive the orders, of temporized by pressure or with detector of presence.

[0005] The operation of the dosificador of soap, in case of plumbing fixtures for the bath, or dishwasher, in case of plumbing fixtures for the sink, is realized manually by pressure, producing the suction of the product.

[0006] The operation of the dryer is realized by pressure of the mechanism of switch and / or temporizador.

[0007] The device of plumbing fixtures multifunction will be able to combine in a partial or total way, that is to say, they will be able to combine of two in two or three applications together.

[0008] The system of plumbing fixtures multifunction will be able to adapt to the wash-basin, sink or other sanitary devices across the orifice realized in the same ones.

[0009] The system can be made by diverse materials.

Description of the drawings and way of accomplishment.

[0010] To complement the description that is realized and in order to help to a better comprehension of the characteristics of the invention, a set of drawings is accompanied on the present descriptive memory, as integral part of the same one, where with illustrative character

and not limitative, the following form of accomplishment has been represented, by way of example:

[0011] There are detailed four groups of drawings, a group corresponding to the longitudinal section of the set formed by three basic parts of the invention (fig.-1), another correspondent to the transverse section (fig.-2) and other two groups that define the sight in plant and in gathering (fig.-3, fig.-4).

[0012] The figure 1.-Shows a longitudinal section of an example of body of plumbing fixtures with dosificador manual of soap or similar and an equip of dried with warm built-in air, showing the set formed by three basic parts of the invention.

[0013] The figure 2.-Shows a section type indicating the compartimentación of the fluids in the principal body of the plumbing fixtures.

[0014] The figure 3.-Shows a sight in plant of an example of body of plumbing fixtures with dosificador manual of soap or similar and I equip of dried incorporated.

[0015] The figure 4.-Shows a sight in frontal gathering of an example of body of plumbing fixtures with dosificador manual of soap or similar and an equip of dried incorporated.

[0016] As it is observed at fig.1, the soap, dishwasher or similar (9) there is stored in a warehouse accumulator (8), to which there interferes from the top part a hollow rod of aspiration (10) where it raises the product up to the cylinder of accumulation (4), preventing it decrease a sphere anti-return (5); The hollow rod remains protected by a tobo container (6), which joins the warehouse (deposit) accumulator (8) by means of connection of coil or pressure (7).

[0017] On having pressed the push-button to expend the soap or dishwasher (2), this one is extracted across a hollow rod that ends in the mouth of expulsion (1) returning to it original position by means of a wharf of compression (3).

[0018] The plumbing fixtures in strict sense or water spout has a capture of cold / warm common water (11), leading the above mentioned water by means of a few common clichés (20) up to a common hidromezclador (14), the key of step a monogive the orders or similar (15) it regulates the wealth and temperature of the water up to it mouth of expulsion (13).

[0019] The equipment of dried common by means of warm air (19), receives the necessary energy across an electrical socket (12) protected against the dampness, the above mentioned equipment contains an electrical connection (18) up to a switch or temporizador hermetic (16) integrated the body of the plumbing fixtures, which drives it. The warm air behaves from the equipment of dried across a conduit (21) for the interior of the body of plumbing fixtures up to the mouth of connection (17).

[0020] As it is observed at fig.2, it is possible to estimate that by the interior of the body of plumbing fixtures the following conduits are located:

[0021] pipes of warm/cold water (1') from the keys of step or water captures up to the water blender.

[0022] Conduit of soap, dishwasher or similar (2') from warehouse accumulator up to cylinder of accumulation.

[0023] Air conduit from equipment of dried up to mouth of expulsion (3').

[0024] Since it is possible to see in it fig.3, multifunction estimates in the sight in plant of the body of plumbing fixtures the components of the hollow rod that ends in mouth of expulsion of soap or similar (1"), the manual push-button of soap or similar (2"), the key of step a monogive the orders or similar (3") and the water mouth (4").

[0025] In the figure 4 multifunction shows itself in the sight in lateral gathering of body of plumbing fixtures the components of the hollow rod that ends in mouth of expulsion of soap or similar (1""), the manual push-button of soap or similar (2""), the key of step I monogive the orders or similar (3""), the mouth of water expulsion (4""), and the mouth of warm air of dried (5"").

[0026] In the present invention there is protected the use of any body of plumbing fixtures with dosificador from soap or dishwasher and equipment of dried.

[0027] It is understood it is not necessary to develop more the system of plumbing fixtures for being compatible that it meets in the condition of the technology.

[0028] It is not considered necessary to make this description more extensive in order that any expert in the matter understands the scope of the invention and the advantages that from the same one stem.

[0029] The materials, form, size and disposition of the element will be capable of variation always and when it does not suppose an alteration in the esencialidad of the invention.

[0030] The terms in which this memory has been written will have to be taken always in wide and not limitative sense.

[0031] Described sufficiently the nature of the invention, there is revealed expressly that any modification of detail that gets in the same one will remain included inside this protection, in all that it does not alter or modifies essentially its typical purpose.

covery 1^a, **characterized** because the device will be able to combine in a partial or total way, that is to say, combining of two in or three applications together.

3. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to recovery 1^a, **characterized** because the faucet in strict sense or water spout can be of type monococontrol, of temporized by pressure or by detector of presence.
4. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to recovery 1^a, **characterized** because the operation of the dosificador of soap or dishwasher, it is realized by pressure, producing the suction of the product.
5. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to recovery 1^a, **characterized** because the operation of the dryer is realized by pressure of the mechanism of switch or temporizador.
6. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to recovery 1^a, **characterized** because it adapts to the wash-basin, sink or other sanitary devices across the orifice realized in the same ones.
7. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to recovery 1^a, **characterized** because it can be made by diverse materials.

Claims

1. Body of plumbing composed by manual dosificador of soap with dishwasher and equipment of dried being specially destined to allow a better managing of a plumbing fixtures to was grouping in one only element three essential functions in the wash, since they are the soaped one, the clarified one and the dried one, **characterized** because it is constituted by a device of conventional plumbing fixtures to the one that joins and integrates a manual dosificador of soap, dishwasher or similar and an equipment of dried of warm air.
2. Body of plumbing fixtures with dosificador of soap or dishwasher and equipment of dried, according to re-

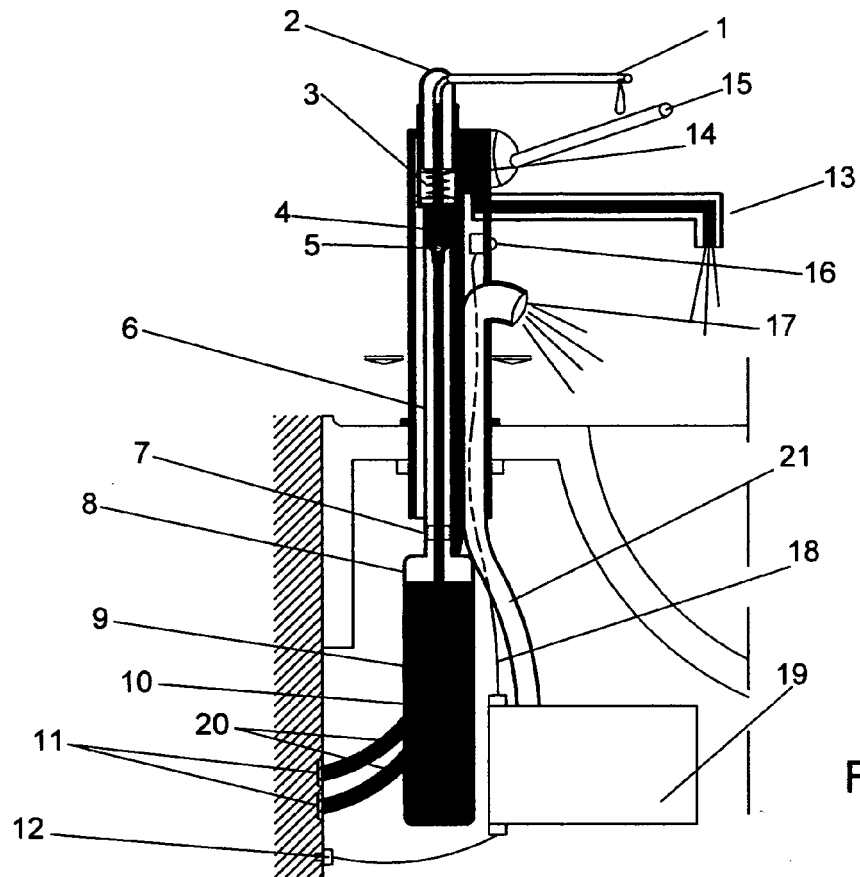


FIG. 1

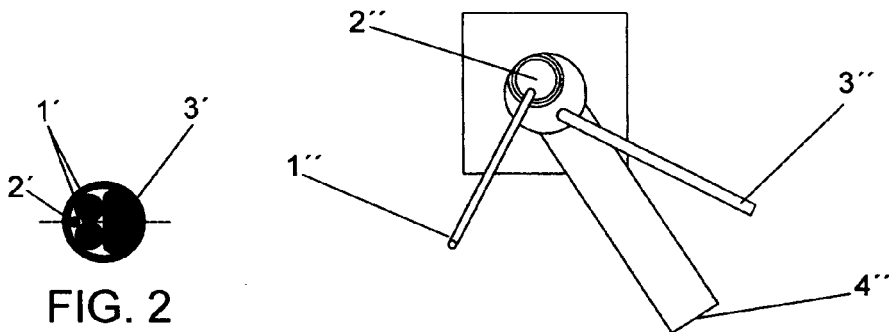


FIG. 2

FIG. 3

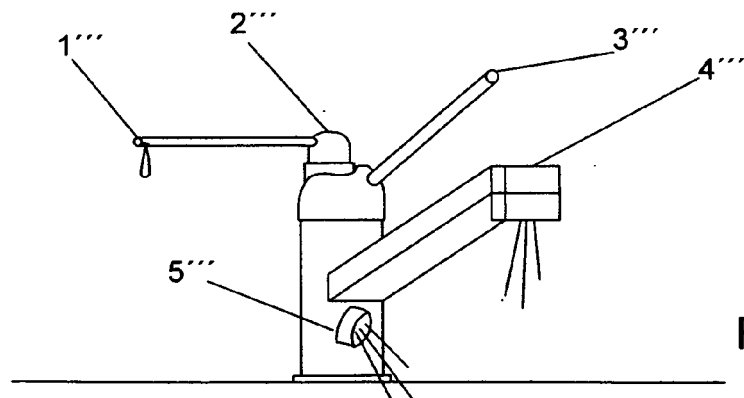


FIG. 4