

Description

This invention relates to decorative handles which are attachable to rotatable stems and have decorative inserts placed therein. It appears especially useful for a plumbing valve handle.

There are currently available decorative handles with replaceable decorative inserts for attaching to the handle. Such handles are desirable as they permit the valve handle decor to be changed to conform to whatever decoration is used in a bathroom or other room during the life of the fitting. For example, in US-A-4,525,894 (Fig. 2) there is shown one type of handle with a replaceable insert. However, this prior art handle is held in place by a member projecting through the side of a handle which has negative aesthetic aspects, may trap soap and water, and may have a significant risk of vandalism if the handle were used in a public place.

Other prior art insert members involve the use of a friction fit type insert cap (such as shown in US-A-3,965,528) which are pressed down from the top. However, these involve the disadvantage of easy removal by vandals, and are formed with bumps or ridges on the top of the cap to permit disassembly.

In US-A-3,396,604 as well as in GB-A-1 599 531 forming the prior art portion of claim 1 a decorative insert is snap-fitted into a cavity in the handle. To remove the insert a tool is required.

US-A-4,565,350 relates to a handle assembly in which a decorative handle having an internal adapter having resilient fingers is axially received on a stem having a stem adapter attached thereto.

Still other units require the gluing of an insert member to the handle. This makes it difficult for a consumer to change handle appearance by changing inserts.

It is therefore an object of the present invention to provide a handle assembly wherein an insert member can be retained in the handle body in a secure manner and without requiring any adhesive or projections through the side of the knob.

The present invention provides a handle assembly having a decorative insert member and comprising a handle defining a cavity or an internal through bore having a stem attachment end and a decorative end; further comprising a retainer assembly engaging said insert member, said retainer assembly and said handle being constructed and arranged to restrict movement of said retainer assembly with said insert member through said decorative end; characterized by a collar member having a portion for threaded engagement with a threaded portion of said handle; said handle, said retainer assembly, and said collar member being constructed and arranged to exert a driving force

on said retainer assembly in the direction of said decorative end when said threaded portions of said collar member and said handle engage; and means to secure said handle assembly to a rotatable stem.

In the drawings:

Figure 1 is a top plan view of a first embodiment of this invention;

Figure 2 is a view in vertical section taken along line 2-2 of Figure 1;

Figure 3 is a bottom plan view of the handle assembly shown in Figures 1 and 2;

Figure 4 is an exploded frontal view of the handle assembly shown in the previous Figures 1-3, with certain portions shown in section;

Figure 5 is a bottom plan view, partially in section of member 23 when assembled to member 21;

Figure 6 is a sectional view taken along line 6-6 of Figure 5;

Figure 7 is a view similar to Figure 4 showing another embodiment;

Figure 8 is a view similar to Figure 1, but in partial section, and showing a third embodiment of the handle assembly;

Figure 9 is a sectional view taken along line 9-9 of Figure 8;

Figure 10 is a bottom plan view of the handle assembly shown in Figures 8 and 9;

Figure 11 is an exploded frontal view of the handle assembly shown in Figures 8-10 with certain portions shown in section;

Figures 12A and 12B are views in vertical section showing alternative embodiments of insert member 22; and

Figure 13 is a top plan view of a retaining ring.

Proceeding to a detailed description of the preferred embodiments of the invention, one valve handle assembly 10 is shown in Figures 1-4. It is designed for use in conjunction with the usual splined valve stem end 11 having the threads 12 for engagement with the usual escutcheon 13.

Handle knob 14 has side walls 17, 18, 19 and 20 to provide a bore or cavity 16 for a decorative insert 22. A holder member 21 is in the form of a cup for surrounding the insert 22 on portions of the sides and the bottom. The holder member 21 and a retainer member 23 comprise an adaptor means or a retainer assembly for the insert 22.

The retainer member 23 is housed in the handle 14 and has an internally splined skirt 25 extending therefrom for surrounding the valve stem end 11. A rotatable collar 26 has outer threads 29 for engaging with internal threads 28 of the handle 14. The collar 26 also has a cylindrical skirt 27 extending therefrom for surrounding the threads 12 of the valve stem as well as a portion of the escutcheon 13. The collar also has an end support

surface 27'.

As best seen in Figure 3, the handle 14 is of a substantially rectangular configuration while the collar 26 is rounded. The internal threads 28 of the handle 14 will be positioned in the arcuate boss portions 34, 35, 36 and 37 of handle 14 for engagement with the circumferential threads 29 of the collar 26.

Referring to Figures 5-6, the holder member 21 is retained on the retainer member 23 by four strap members 56, 57, 58 and 59. Each strap member has two legs 60 and 61 which are interconnected by a cross connector 62. The retainer member 23 has lateral grooves 63 and 64 and the bottom has an interconnecting diagonal groove 65 placed at each corner of the retainer member 23 to receive the legs 60 and 61 and the cross connector 62. The strap members 56-59 as well as the holder member 21 are composed of an elastic material (e.g. rubber) so that the legs 60 and 61 and the cross connector 62 are received in the grooves 63, 64 and 65 in a stretch fitting manner.

An alternative embodiment is shown in Figure 7. Similar numbers refer to similar parts as in the previous embodiment except they include the letter "A". The difference between previous embodiment 10 and this embodiment 10A is that the holder member 21A does not include the straps 56-59 for engagement with the retainer member 23A.

Another alternative, although less preferred, embodiment is shown in Figures 8-11. Similar numbers refer to similar parts as in the previous embodiment except they include the letter "B". One major difference between previous embodiments 10 and 10A and this embodiment 10B is that the handle 14B has an intermediate panel portion 52. Another difference is that the retainer member 23 is not utilized but instead the retainer assembly includes only the holder member 21B having the four legs 48 with the projections 50 for placement through the openings 53 in the panel portion 52. Further, collar 26B has internal threads 29B and the handle has its threads disposed inside the collar.

Assembly and Operation

A better understanding of the advantages of the valve handle assemblies of 10, 10A and 10B of this invention will be had by a description of their assembly and operation. Turning to assembly 10 first, and specifically to Figures 2 and 4, the skirt 27 of the collar 26 is positioned over the escutcheon 13 and the threads 12 substantially as shown in Figure 2. The holder member 21 is then secured to the retainer 23 by placing the straps 56-59 in the grooves 63-65. The skirt 25 of the retainer member 23 is inserted through the central opening 43 of the

collar member 26. The splines 33 in the skirt 25 are positioned in contact with the splines 32 of the valve stem 11.

A screw 24 will then be inserted in through the passage 30 of the holder member 21 as well as the passage 31 of the retainer member 23 to engage internal threads in the valve stem 11 as well as to engage the chamfered portion 38. The insert member 22 is next placed in the cuplike holder member 21. The handle 14 is brought down over the insert member 22 and the retainer member 23 so that the insert member 22 and the holder member 21 are positioned in compartment 40 at the upper decorative end of the cavity. At this stage the threads 28 will engage the threads 29 of the collar member 26. Rotation of the collar member 26 with respect to knob 14 causes further engagement of the threads 28 and 29 which causes the retainer member 23 to seat in the compartment 39 as indicated in Figure 2.

The retainer member 23 is dimensioned so that the increasingly upward force exerted by the collar member 26 thereon is placed on the cup 21 and in turn effects an engagement against the shoulder 41 of the narrowed compartment 39 by the holder member 21. This then tightly secures the insert member 22 in the handle 14 with the assembled unit shown in Figure 2. Subsequent rotation of the knob 14 turns the adaptor/retaining member 23, carrying with it holder/cup 21, collar/escutcheon 26 and valve stem 11.

Handle 10A is assembled in the same manner as previously indicated for handle 10 except that there is no need to attach any strap members such as 56-59 to the retainer 23A. In this instance holder member 21A will be forcibly retained in the compartment 39A in the same manner as holder member 21 is in compartment 39 when the collar 26A with threads 29A is threaded onto the threads 28A and forces the top 27A' of retainer 23A against the holder member 21A in the manner indicated in Figure 2 for comparable components.

To assemble the handle assembly 10B, the legs 48 of the cuplike holder member 21B and having the projections 50 are inserted through the passages 53 of the panel portion 52 of the handle 11B. The threads 28B of the handle 14B are partially threaded onto the threads 29B of the collar member 26B. The collar member 26B is placed over the valve stem 11 and the escutcheon 13 in the manner for the collar member 26. The skirt 25B of the handle 14B is thereby placed over the valve stem 11 and the splines 33A engage the splines 32 of the valve stem 11. Screw 24 is inserted in through a passage in the holder member 21B and the passage 31B in the panel portion 52. An undercut portion 38B will be included at the top of the passage 31B to accommodate the head of the

screw and hold the handle 14B on the valve stem 11.

Insert 22B is placed in holder member 21B and is frictionally held therein by the side walls such as 51 which are slightly compressed by the outward divergence of insert 22B and as shown at 55 in Figure 9. In this position legs 48 are free of contact with collar 26B. To remove the insert 22B and the holder member 21B the collar 26B is rotated so that the threads 29B and 28B further engage. This rotation will continue until the top 49 of the collar member 26B engages the legs 48. Further engagement forces the projections 50 through the passages 53 to thereby afford removal of the cup holder 21B and the insert 22B.

If desired, as an optional feature, a retaining ring 70 can be utilized for rotative retention of the retainer member 23 to the collar 26. As best seen in Figure 13, the retainer ring has two enlarged portions 72 and 84 separated by a slot 73. Openings 75 are for the purpose of engagement with pins of a pliers so as to separate the enlarged portions for placement of the ring 70 in groove 71. Retainer ring 70 is thereby accommodated in a resilient manner in annular groove 71 of the skirt 25. This is best seen in Figures 2 and 4. The reason for having the retainer member 23 rotatably mounted to the collar 26 is to prevent the skirt 27 from contacting and scratching the escutcheon 13 during disassembly of the handle 14 from the collar 26. If the retaining ring 70 were not employed, the collar 26 would be free to fall from the skirt 25. It will be appreciated that before skirt 27 is placed over the escutcheon 13 the retaining ring 70 will be secured to the skirt 25. While retaining ring 70 is shown in the handle assembly 10, it can also be advantageously employed in embodiment 10A. Similarly, suitable retention means could be utilized in conjunction with threads 28B and 29B of embodiment 10B.

As indicated in Figures 12A and 12B different types of insert members can be utilized in conjunction with the handle assembly. As seen therein, the numeral 45 indicates an insert member of a ceramic material whereas insert 46 indicates one made of wood. Insert members 22, 22A and 22B are of a metallic material. While these members have been shown to have a plain upper surface as indicated in Figs. 1 and 8, they could include numerous types of decorative illustrations and depictions including the usual hot and cold descriptions.

It will thus be seen that there is now provided an improved handle assembly for an insert which is simple in its construction yet provides an aesthetic looking handle while at the same time preventing entry of foreign matter around the insert. Also, since the means of disassembly is not apparent to the

untrained, the risk of vandalism is reduced. The handle assembly is easily placed onto a valve stem and readily removed therefrom without the need of any special tools. In the instance of handle assemblies 10 and 10A, these assemblies are especially interesting in that they provide for a round collar member to engage a square handle; surprisingly, a round peg is placed in the square hole.

While certain preferred embodiments have been described above, it should be apparent to those skilled in the art from this disclosure that a number of other modifications and changes can be made to these embodiments.

Claims

1. A handle assembly (10, 10A, 10B) having a decorative insert member (22, 22A, 22B) and comprising a handle (14, 14A, 14B) defining a cavity or an internal through bore (16) having a stem attachment end and a decorative end; further comprising a retainer assembly (21, 21A, 21B, 23, 23A) engaging said insert member (22, 22A, 22B), said retainer assembly (21, 21A, 21B, 23, 23A) and said handle (14, 14A, 14B) being constructed and arranged to restrict movement of said retainer assembly (21, 21A, 21B, 23, 23A) with said insert member (22, 22A, 22B) through said decorative end; characterized by a collar member (26, 26A, 26B) having a portion (29, 29A, 29B) for threaded engagement with a threaded portion (28, 28A, 28B) of said handle (14, 14A, 14B); said handle (14, 14A, 14B), said retainer assembly (21, 21A, 21B, 23, 23A), and said collar member (26, 26A, 26B) being constructed and arranged to exert a driving force on said retainer assembly (21, 21A, 21B, 23, 23A) in the direction of said decorative end when said threaded portions (28, 28A, 28B, 29, 29A, 29B) of said collar member (26, 26A, 26B) and said handle (14, 14A, 14B) engage; and means to secure said handle assembly (10, 10A, 10B) to a rotatable stem (11).
2. The assembly of claim 1, characterized in that the cavity (16) converges from the stem attachment end to the decorative end.
3. The assembly of claim 1 or 2, characterized in that said threaded portion of said collar member (26, 26A) is defined by an external threaded portion (29, 29A) and said threaded portion of said handle is defined by internal threads (28, 28A) disposed in side walls of said handle (14, 14A).



screw and hold the handle 14B on the valve stem 11.

Insert 22B is placed in holder member 21B and is frictionally held therein by the side walls such as 51 which are slightly compressed by the outward divergence of insert 22B and as shown at 55 in Figure 9. In this position legs 48 are free of contact with collar 26B. To remove the insert 22B and the holder member 21B the collar 26B is rotated so that the threads 29B and 28B further engage. This rotation will continue until the top 49 of the collar member 26B engages the legs 48. Further engagement forces the projections 50 through the passages 53 to thereby afford removal of the cup holder 21B and the insert 22B.

If desired, as an optional feature, a retaining ring 70 can be utilized for rotative retention of the retainer member 23 to the collar 26. As best seen in Figure 13, the retainer ring has two enlarged portions 72 and 84 separated by a slot 73. Openings 75 are for the purpose of engagement with pins of a pliers so as to separate the enlarged portions for placement of the ring 70 in groove 71. Retainer ring 70 is thereby accommodated in a resilient manner in annular groove 71 of the skirt 25. This is best seen in Figures 2 and 4. The reason for having the retainer member 23 rotatably mounted to the collar 26 is to prevent the skirt 27 from contacting and scratching the escutcheon 13 during disassembly of the handle 14 from the collar 26. If the retaining ring 70 were not employed, the collar 26 would be free to fall from the skirt 25. It will be appreciated that before skirt 27 is placed over the escutcheon 13 the retaining ring 70 will be secured to the skirt 25. While retaining ring 70 is shown in the handle assembly 10, it can also be advantageously employed in embodiment 10A. Similarly, suitable retention means could be utilized in conjunction with threads 28B and 29B of embodiment 10B.

As indicated in Figures 12A and 12B different types of insert members can be utilized in conjunction with the handle assembly. As seen therein, the numeral 45 indicates an insert member of a ceramic material whereas insert 46 indicates one made of wood. Insert members 22, 22A and 22B are of a metallic material. While these members have been shown to have a plain upper surface as indicated in Figs. 1 and 8, they could include numerous types of decorative illustrations and depictions including the usual hot and cold descriptions.

It will thus be seen that there is now provided an improved handle assembly for an insert which is simple in its construction yet provides an aesthetic looking handle while at the same time preventing entry of foreign matter around the insert. Also, since the means of disassembly is not apparent to the

untrained, the risk of vandalism is reduced. The handle assembly is easily placed onto a valve stem and readily removed therefrom without the need of any special tools. In the instance of handle assemblies 10 and 10A, these assemblies are especially interesting in that they provide for a round collar member to engage a square handle; surprisingly, a round peg is placed in the square hole.

While certain preferred embodiments have been described above, it should be apparent to those skilled in the art from this disclosure that a number of other modifications and changes can be made to these embodiments.

Claims

1. A handle assembly (10, 10A, 10B) having a decorative insert member (22, 22A, 22B) and comprising a handle (14, 14A, 14B) defining a cavity or an internal through bore (16) having a stem attachment end and a decorative end; further comprising a retainer assembly (21, 21A, 21B, 23, 23A) engaging said insert member (22, 22A, 22B), said retainer assembly (21, 21A, 21B, 23, 23A) and said handle (14, 14A, 14B) being constructed and arranged to restrict movement of said retainer assembly (21, 21A, 21B, 23, 23A) with said insert member (22, 22A, 22B) through said decorative end; characterized by a collar member (26, 26A, 26B) having a portion (29, 29A, 29B) for threaded engagement with a threaded portion (28, 28A, 28B) of said handle (14, 14A, 14B); said handle (14, 14A, 14B), said retainer assembly (21, 21A, 21B, 23, 23A), and said collar member (26, 26A, 26B) being constructed and arranged to exert a driving force on said retainer assembly (21, 21A, 21B, 23, 23A) in the direction of said decorative end when said threaded portions (28, 28A, 28B, 29, 29A, 29B) of said collar member (26, 26A, 26B) and said handle (14, 14A, 14B) engage; and means to secure said handle assembly (10, 10A, 10B) to a rotatable stem (11).
2. The assembly of claim 1, characterized in that the cavity (16) converges from the stem attachment end to the decorative end.
3. The assembly of claim 1 or 2, characterized in that said threaded portion of said collar member (26, 26A) is defined by an external threaded portion (29, 29A) and said threaded portion of said handle is defined by internal threads (28, 28A) disposed in side walls of said handle (14, 14A).



4. The assembly of claim 1, characterized in that said threaded portion of said collar member (26B) is defined by an internal threaded portion (29B).
5. The assembly of claim 1 or 2, characterized in that said retainer assembly comprises a flexible cup (21, 21A, 21B) which surrounds portions of the sides of the insert (22, 22A, 22B) when it is assembled in the assembly, and is sandwiched between the insert and a support wall when so assembled.
6. The assembly of claim 5, characterized in that said cup (21) has strap members (56, 57, 58, 59) extending therefrom, and the retainer assembly further comprises an adaptor (23) attachable to said stem (11), the end portion of the adaptor defining portions (63, 64, 65) for receiving said strap members to connect the cup to the adaptor.
7. The assembly of claim 6, characterized in that the collar member (26) includes an end support surface (27') to hold a support wall of the adaptor in the bore or cavity when the threaded portions on the collar member and handle engage.
8. The assembly of any of claims 1 to 7, characterized in that said retainer assembly and said collar member (26) are rotatably mounted to each other.
9. The assembly of claim 7, characterized in that the support wall is sandwiched between the decorative insert member and the support surface (27').
10. The assembly of claim 1, characterized by said retainer assembly comprising a holder member (21B) adapted to engage said decorative insert member (22B), a panel portion (52) extending laterally across the cavity having at least one opening (53) therethrough; said holder member having a leg member (48) for placement through said panel opening (53) in said panel portion; said collar member (26B) and said leg member (48) being constructed and arranged to exert a driving force on said holder member (21B) when said collar member contacts said leg member and moves said holder member in the direction of said decorative end when said threaded portions (28B, 29B) on said collar member and said handle engage.

11. The assembly of claim 9, characterized in that said panel portion (52) has a plurality of said openings (53) extending therethrough and said holder member (21B) has a plurality of leg members (48) for placement through said openings.

Patentansprüche

1. Eine Handgriffvorrichtung (10, 10A, 10B) mit einem dekorativen Einsatzstück (22, 22A, 22B), ferner einen Griff (14, 14A, 14B) umfassend, der eine Vertiefung oder eine innere Durchbohrung (16) mit einem Wellenbefestigungsende und einem dekorativen Ende definiert; ferner gekennzeichnet durch eine Halteeinrichtung (21, 21A, 21B, 23, 23A), die mit dem genannten Einsatzstück (22, 22A, 22B) eingreift, wobei die genannte Halteeinrichtung (21, 21A, 21B, 23, 23A) und der genannte Griff (14, 14A, 14B) so gestaltet und angeordnet sind, daß eine Bewegung der genannten Halteeinrichtung (21, 21A, 21B, 23, 23A) mit dem genannten Einsatzstück (22, 22A, 22B) durch das genannte dekorative Ende eingeschränkt wird; gekennzeichnet durch ein Kragenstück (26, 26A, 26B) mit einem Teil (29, 29A, 29B) zur Schraubverbindung mit einem Gewindeteil (28, 28A, 28B) des genannten Griffs (14, 14A, 14B); dadurch gekennzeichnet, daß der genannte Griff (14, 14A, 14B), die genannte Halteeinrichtung (21, 21A, 21B, 23, 23A) und das genannte Kragenstück (26, 26A, 26B) so gestaltet und angeordnet sind, daß sie eine treibende Kraft auf die genannte Halteeinrichtung (21, 21A, 21B, 23, 23A) in Richtung des genannten dekorativen Endes ausüben, wenn die genannten Gewindeteile (28, 28A, 28B, 29, 29A, 29B) des genannten Kragenstücks (26, 26A, 26B) und des genannten Griffs (14, 14A, 14B) miteinander eingreifen; ferner gekennzeichnet durch eine Einrichtung zur Sicherung der genannten Handgriffvorrichtung (10, 10A, 10B) an einer drehbaren Welle (11).
2. Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, daß die Vertiefung (16) von dem Wellenbefestigungsende zu dem dekorativen Ende zusammenläuft.
3. Vorrichtung nach Anspruch 1 oder 2, dadurch gekennzeichnet, daß der genannte Gewindeteil des genannten Kragenstücks (26, 26A) durch einen äußeren Gewindeteil (29, 29A) bezeichnet wird und dadurch, daß der Gewindeteil des genannten Griffs durch innere Gewinde (28, 28A) bezeichnet wird, die sich in Seitenwänden des genannten Griffs (14, 14A) befinden.



4. Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, daß der genannte Gewindeteil des genannten Kragenstücks (26B) durch einen inneren Gewindeteil (29B) bezeichnet wird.
5. Vorrichtung nach Anspruch 1 oder 2, dadurch gekennzeichnet, daß die Halteeinrichtung eine elastische Kugelschale (21, 21A, 21B) umfaßt, welche die Seitenteile des Einsatzes (22, 22A, 22B) umgibt, wenn sie in der Vorrichtung zusammengebaut wird, und wobei die Kugelschale bei diesem Zusammenbau zwischen dem Einsatz und einer Stützwand gelagert wird.
6. Vorrichtung nach Anspruch 5, dadurch gekennzeichnet, daß die genannte Kugelschale (21) Befestigungsstücke (56, 57, 58, 59) aufweist, die sich von der Kugelschale erstrecken, und die Halteeinrichtung umfaßt ferner ein Zwischenstück (23), das an die genannte Welle (11) angebracht werden kann, wobei der Endteil des Zwischenstücks Teile (63, 64, 65) zur Aufnahme der genannten Befestigungsstücke bezeichnet, um so die Kugelschale mit dem Zwischenstück zu verbinden.
7. Vorrichtung nach Anspruch 6, dadurch gekennzeichnet, daß das Kragenstück (26) eine Endauflagefläche (27') umfaßt, um eine Stützwand des Zwischenstücks in der Bohrung oder der Vertiefung zu halten, wenn die Gewindeteile des Kragenstücks und des Griffes miteinander eingreifen.
8. Vorrichtung gemäß den Ansprüchen 1 bis 7, dadurch gekennzeichnet, daß die genannte Halteeinrichtung und das genannte Kragenstück (26) drehbar aufeinander angebracht werden.
9. Vorrichtung nach Anspruch 7, dadurch gekennzeichnet, daß die Stützwand zwischen dem dekorativen Einsatzstück und der Auflagefläche (27') gelagert wird.
10. Vorrichtung nach Anspruch 1, dadurch gekennzeichnet, daß die genannte Halteeinrichtung ein Haltestück (21B) umfaßt, das so adaptiert ist, daß es mit dem genannten dekorativen Einsatzstück (22B) eingreift, dadurch gekennzeichnet, daß sich ein Plattenteil (52) mit mindestens einer sich dadurch erstreckenden Öffnung (53) seitlich über die Vertiefung erstreckt; dadurch gekennzeichnet, daß das genannte Haltestück ein Fußstück (48) aufweist, zur Anbringung durch die genannte Plattenöffnung (53) in dem genannten Plattenteil; dadurch ge-

kennzeichnet, daß das genannte Kragenstück (26B) und das genannte Fußstück (48) so gestaltet und angeordnet sind, daß sie eine treibende Kraft auf das genannte Haltestück (21B) ausüben, wenn sich das genannte Kragenstück in Berührung mit dem Fußstück befindet und das genannte Haltestück in Richtung des dekorativen Endes bewegt, wenn die genannten Gewindeteile (28B, 29B) des genannten Kragenstücks und des genannten Griffes miteinander eingreifen.

11. Vorrichtung nach Anspruch 9, dadurch gekennzeichnet, daß der genannte Plattenteil (52) eine Mehrzahl der genannten Öffnungen (53) aufweist, die sich durch den Plattenteil erstrecken, und wobei das genannte Haltestück (21B) eine Mehrzahl von Fußstücken (48) zur Anbringung durch die genannten Öffnungen aufweist.

Revendications

1. Ensemble (10, 10A, 10B) formant poignée, ayant un organe décoratif rapporté (22, 22A, 22B) et comprenant une poignée (14, 14A, 14B) qui délimite une cavité ou un trou interne (16) ayant une extrémité de fixation de tige et une extrémité décorative, comprenant en outre un ensemble à organe de retenue (21, 21A, 21B, 23, 23A) qui coopère avec l'organe rapporté (22, 22A, 22B), l'ensemble à organe de retenue (21, 21A, 21B, 23, 23A) et la poignée (14, 14A, 14B) ayant une construction et une disposition telles qu'ils limitent le déplacement de l'ensemble à organe de retenue (21, 21A, 21B, 23, 23A) avec l'organe rapporté (22, 22A, 22B) à l'extrémité décorative, caractérisé par un organe (26, 26A, 26B) formant collier ayant une partie (29, 29A, 29B) destinée à coopérer par vissage avec une partie (28, 28A, 28B) de la poignée (14, 14A, 14B) ayant des filets, la poignée (14, 14A, 14B), l'ensemble à organe de retenue (21, 21A, 21B, 23, 23A) et l'organe à collier (26, 26A, 26B) ayant une construction et une disposition telles qu'ils appliquent une force d'entraînement à l'ensemble à organe de retenue (21, 21A, 21B, 23, 23A) vers l'extrémité décorative lorsque les parties à filets (28, 28A, 28B, 29, 29A, 29B) de l'organe à collier (26, 26A, 26B) et de la poignée (14, 14A, 14B) sont en coopération, et un dispositif destiné à fixer l'ensemble à poignée (10, 10A, 10B) sur une tige rotative (11).
2. Ensemble selon la revendication 1, caractérisé en ce que la cavité (16) converge de l'extrémité de fixation d'une tige vers l'extrémité décorative.



3. Ensemble selon la revendication 1 ou 2, caractérisé en ce que la partie à filets de l'organe à collier (26, 26A) est une partie filetée (29, 29A) et la partie à filets de la poignée est une partie taraudée (28, 28A) formée dans les parois latérales de la poignée (14, 14A). 5
4. Ensemble selon la revendication 1, caractérisé en ce que la partie à filets de l'organe à collier (26B) est formée par une partie taraudée (29B). 10
5. Ensemble selon la revendication 1 ou 2, caractérisé en ce que l'ensemble à organe de retenue comporte une cuvette souple (21, 21A, 21B) qui entoure des parties des côtés de l'organe rapporté (22, 22A, 22B) lorsqu'il est monté dans l'ensemble, et qui est placée entre l'organe rapporté et une paroi de support en position de montage. 15 20
6. Ensemble selon la revendication 5, caractérisé en ce que la cuvette (21) a des organes à bride (56, 57, 58, 59) qui en dépassent, et l'ensemble à organe de retenue comporte en outre un adaptateur (23) qui peut être fixé à la tige (11), la partie d'extrémité de l'adaptateur délimitant des parties (63, 64, 65) destinées à loger les organes à bride pour le raccordement de la cuvette à l'adaptateur. 25 30
7. Ensemble selon la revendication 6, caractérisé en ce que l'organe à collier (26) a une surface (27') de support d'extrémité destinée à maintenir une paroi de support de l'adaptateur dans le trou ou la cavité lorsque les parties de l'organe à collier et de la poignée coopèrent par vissage. 35
8. Ensemble selon l'une quelconque des revendications 1 à 7, caractérisé en ce que l'ensemble à organe de retenue et l'organe à collier (26) sont montés l'un sur l'autre de manière qu'ils puissent tourner. 40
9. Ensemble selon la revendication 7, caractérisé en ce que la paroi de support est disposée entre l'organe rapporté décoratif et la surface de support (27'). 45
10. Ensemble selon la revendication 1, caractérisé en ce que l'ensemble à organe de retenue comporte un organe (21B) de support destiné à coopérer avec l'organe décoratif rapporté (22B), une partie de panneau (52) dépassant latéralement sur la cavité et ayant au moins une ouverture débouchante (53), l'organe de support ayant un pied (48) destiné à passer 50 55

dans l'ouverture (53) de la partie de panneau, l'organe à collier (26B) et le pied (48) ayant une construction et une disposition telles qu'ils exercent une force d'entraînement sur l'organe de support (21B) lorsque l'organe à collier est au contact du pied et dépasse de l'organe de support dans la direction de l'extrémité décorative lorsque les parties (28B, 29B) de l'organe à collier et de la poignée coopèrent par vissage.

11. Ensemble selon la revendication 9, caractérisé en ce que la partie de panneau (52) a plusieurs ouvertures (53) qui la traversent et l'organe de support (21B) a plusieurs pieds (48) destinés à être placés dans les ouvertures.