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A. F. REILLY

2,084,064

TOILET ARTICLE

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FIG. 1.

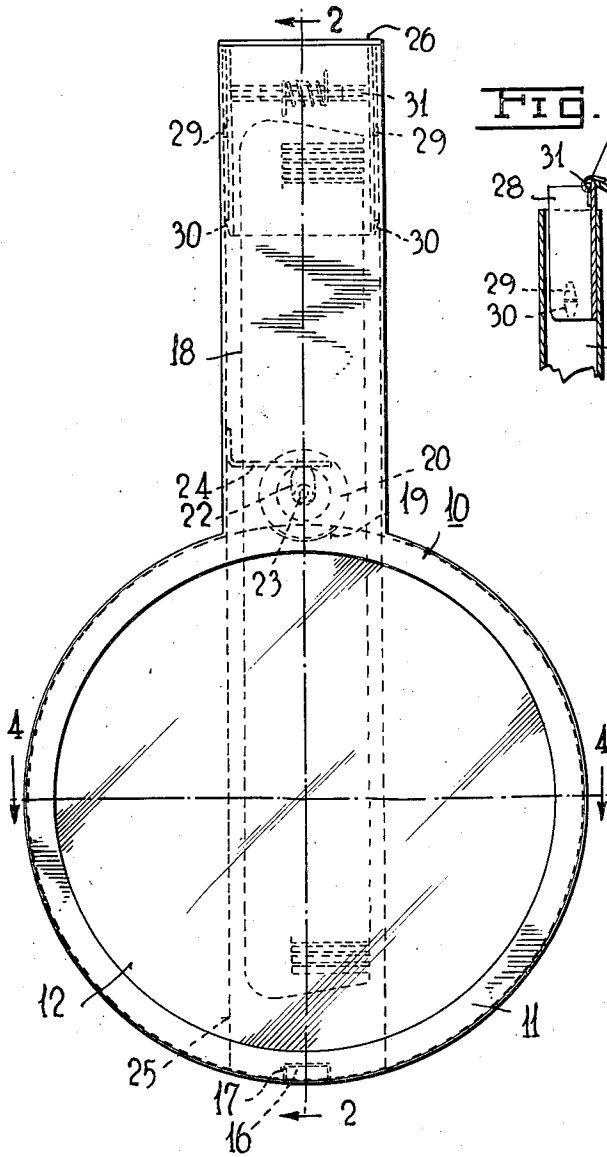


FIG. 3.

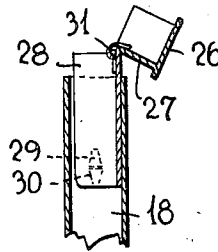


FIG. 2.

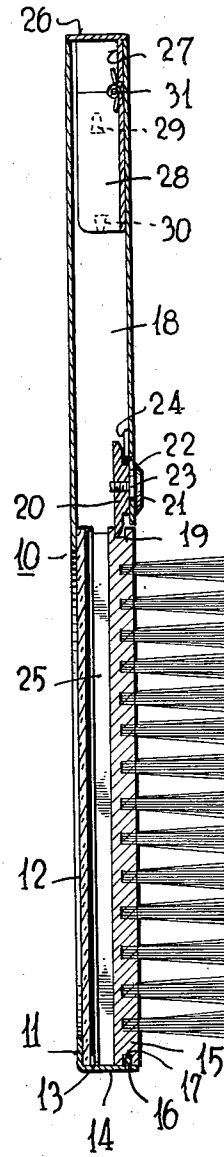
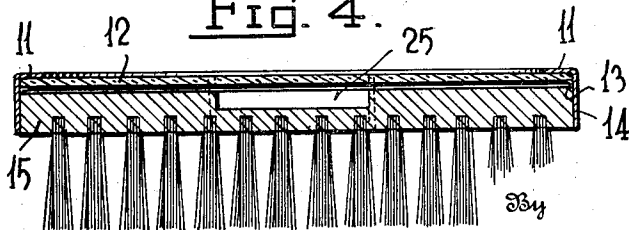


FIG. 4.



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UNITED STATES PATENT OFFICE

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TOILET ARTICLE

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17 Claims. (Cl. 132—87)

The invention relates specifically to a casing preferably provided with a handle and so arranged that it may carry a mirror, a brush and a comb. Preferably the brush is removable and the comb is removable. Preferably separate openings are provided for removing the brush and the comb.

In the accompanying drawing Figure 1 is a top plan view of the device. Fig. 2 is a longitudinal vertical section on the line 2—2 of Fig. 1. Fig. 3 is a fragmentary view of a portion of Fig. 2 the closure being shown in open position, and Fig. 4 is a transverse vertical section on the line 4—4 of Fig. 1.

The specific form of the invention shown comprises a casing 10 which may be provided with an inwardly extending overhanging rim 11. Within the casing and against the rim 11 is a mirror 12 the reflecting side being out. A rib 13 holds the mirror in place and against the flange 11. The shape of the mirror and of the opening surrounded by the flange 11 is immaterial to the invention. It is shown here as circular but may be made in any desired plain or fancy shape.

The casing is provided with downwardly extending side walls 14 which provide a space to receive the head of a brush 15. At suitable points about the wall 14 may be provided means for supporting and holding the brush head in place. For this purpose there is shown an inwardly projecting lug 16 entering a correspondingly disposed aperture 17 in the brush head 15. The exact position of the lug 16 is not important but it is illustrated placed diametrically opposite the handle 18 of the casing. Opposite the aperture 17 the brush head is provided with an aperture 19 which may be engaged by a catch or button 20 into which is threaded a finger piece 21. The finger piece 21 and the button 20 may rest more or less snugly against the wall of the handle 18 which is provided with a slot 22 in which rests a collar 23 carried by the finger piece 21. When the finger piece 21 is manipulated so as to move the button into the position illustrated in the drawing the button 20 extends into the aperture 19 and cooperates with the lug 16 to hold the brush head 15 in its seat in the casing 10. Preferably means will be provided for holding the button normally in this position. For this purpose there is shown a spring 24 in the handle 18 having its free end resting against the button 20. The arrangement is such that when the finger piece 21 is pressed to the other end of the slot 22 the button 20 moves against the pressure of the spring 24 and releases one side of the brush head 15 so that it may be tipped and removed from en-

agement with the lug 16 and thus removed from the casing.

The handle 18 is hollow and is adapted to contain a comb or other article or articles. The comb or contained article may be only the length of the handle itself or it may be considerably longer as indicated in dotted lines in Fig. 1 showing a comb extending across the brush head 15 and into the handle 18. For this purpose the brush head 15 on its upper side is provided with a slot 25 in line with the handle 18 and of sufficient depth and width to receive the comb.

The end of the handle 18 is closed by means of a cover plate 26. A frame 27 attached to the cover plate extends into the handle 18 and inside the handle 18 is a corresponding frame 28 which is adapted to slide into the end of the handle 18. On one or both sides of the inside of the handle 18 are stops 29 so arranged as to be engaged by outwardly extending stops 30 carried on one or both sides of the sliding frame 28. These stops may be made by stamping, welding or in any other suitable manner. The frame 27 is fastened to the frame 28 by means of a spring hinge 31, the spring of which is biased so as to tend to force the frame 27 into the position shown in Fig. 3 in which it is out of alignment with the frame 28. When the cover plate 26 is in the normal closing position indicated in Fig. 2 the tendency of the spring hinge 31 is to press the frame 27 against the inside of the handle 18. This is pressed with sufficient force to cause a frictional contact strong enough to hold the cover normally in place and prevent the comb or other article from falling out. In this position the stops 29 and 30 are out of contact. In order to open the handle the cover 26 may be pulled away from the end of the handle 18, and since the hinge 31 is beyond the end of the handle 18 it will force the frame 27 into the position illustrated in Fig. 3 thus tending to hold the cover plate 26 in the unclosed position. As the frame 28 is pulled outward the stops 30 engage the stops 29 thus limiting the outward movement of the frame and keeping the cover plate 26 from being completely detached from the device.

It will be seen that in the form here illustrated there is provided a new, convenient, compact device in which is a mirror permanently held in place always accessible and available for use. There is provided an end enclosure for a receptacle for an article such as a comb where it is always available for use. There is provided a brush which may be easily removed for use or for washing or cleaning, or which may be rigidly held in

place where it may be manipulated by means of the handle 18.

The specific details of the mechanism here illustrated are not essential to the invention which may be embodied in other forms, and the device may also be used for purposes other than here described and for carrying or enclosing other structures or materials.

I claim as my invention:

1. A casing having a laterally extending hollow handle and an opening surrounded by an overhanging rim, a mirror against the rim, a rib below the mirror and holding it in place, a depending flange in the casing to enclose a brush, an inwardly projecting lug in the flange, a brush head having an aperture into which the lug extends and an oppositely disposed aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, a finger piece for the catch extending through a slot in the handle, a spring in the handle and resting against the catch and urging it into the flange so as to engage the last named aperture in the brush head, a groove in the brush head in line with the hollow handle, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the frame to turn about the hinge and keep the plate in open position.
2. A casing having a laterally extending hollow handle and a seat, a mirror in the seat, a depending flange in the casing to enclose a brush, a brush head engaging the flange and having an aperture, a spring-held sliding catch mounted in the hollow handle for engaging the last named aperture, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate closed or causes the frame to turn about the hinge and keep the plate in open position.
3. A casing having a laterally extending hollow handle and a seat, a mirror in the seat, a depending flange in the casing to enclose a brush, an inwardly projecting lug in the flange, a brush head having an aperture into which the lug extends and an oppositely disposed aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, a finger piece for the catch extending through a slot in the handle, a spring in the handle and resting against the catch and urging it into the flange so as to engage the last named aperture in the brush head, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.
4. A casing having a laterally extending hollow handle and a seat, a mirror in the seat, means in the casing to removably hold a brush, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the

frame to turn about the hinge and keep the plate in open position.

5. A casing having a laterally extending hollow handle and a seat, a mirror in the seat, means in the casing to removably hold a brush, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.

6. A casing having a laterally extending hollow handle and a seat, a mirror in the seat, means in the casing to removably hold a brush, a plate for closing the end of the handle, a frame extending inwardly from the plate, and a sliding frame in the handle hinged to the first named frame.

7. A casing having a laterally extending hollow handle, means in the handle to hold a brush, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.

8. A casing having a laterally extending hollow handle, means in the handle to hold a brush, a receptacle sliding in the hollow handle, and a plate connected to the receptacle by a spring hinge for closing or opening the end of the handle.

9. A casing having a laterally extending hollow handle, a depending flange in the casing to enclose a brush, a brush head engaging the flange and having an aperture, a spring held sliding catch mounted in the hollow handle for engaging the last named aperture, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate closed or causes the frame to turn about the hinge and keep the plate in open position.

10. A casing having a laterally extending hollow handle, a brush in the casing having an aperture, a sliding catch mounted in the hollow handle for engaging the aperture, a finger piece for the catch extending through a slot in the handle, a spring in the handle and resting against the catch and urging it into the flange so as to engage the aperture in the brush head, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.

11. A casing having a laterally extending hollow handle, a brush head in the casing having an aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, a spring in the handle and resting against the catch and urging it into the flange so as to engage the last named aperture in the brush head, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.

12. A casing having a laterally extending hollow handle, a brush head in the casing having an aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, means for sliding the catch, a spring in the handle and resting against the catch and urging it into the flange so as to engage the last named aperture in the brush head, a plate for closing the end of the handle, and means for holding the plate in open position or in closed position.

13. A casing having a laterally extending hollow handle and an opening surrounded by an overhanging rim, a mirror against the rim, a rib below the mirror and holding it in place, a depending flange in the casing to enclose a brush,

an inwardly projecting lug in the flange, a brush head having an aperture into which the lug extends and an oppositely disposed aperture, a spring held sliding catch mounted in the hollow handle for engaging the last named aperture, means for operating the catch against the spring, a groove in the brush head in line with the hollow handle, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the frame to turn about the hinge and keep the plate in open position.

14. A casing having a laterally extending hollow handle and an opening surrounded by an overhanging rim, a mirror against the rim, a rib below the mirror and holding it in place, a depending flange in the casing to enclose a brush, an inwardly projecting lug in the flange, a brush head having an aperture into which the lug extends and an oppositely disposed aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, means for operating the catch, a groove in the brush head in line with the hollow handle, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the frame to turn about the hinge and keep the plate in open position.

15. A casing having a laterally extending hollow handle and an opening surrounded by an overhanging rim, a mirror against the rim, a rib below the mirror and holding it in place, a depending flange in the casing to enclose a brush, an inwardly projecting lug in the flange, a brush

head having an aperture into which the lug extends and an oppositely disposed aperture, a sliding catch mounted in the hollow handle for engaging the last named aperture, means for operating the catch, a groove in the brush head in line with the hollow handle, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate in closed position or causes the frame to turn about the hinge and keep the plate in open position.

16. A casing having a laterally extending hollow handle, a brush head in the casing, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate closed or causes the frame to turn about the hinge and keep the plate in open position.

17. A casing having a laterally extending hollow handle, a depending flange in the casing to enclose a brush, a brush head engaging the flange and having an aperture, a spring held sliding catch mounted in the hollow handle for engaging the last named aperture, a plate for closing the end of the handle, a frame extending inwardly from the plate, a sliding frame in the handle, stops in the handle and in the sliding frame to limit its movement, and a spring hinge connecting the frames so that the first mentioned frame causes friction on the handle to hold the plate closed or causes the frame to turn about the hinge and keep the plate in open position.

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