W. W. MACE.

SANITARY DRINKING CUP ATTACHMENT.

APPLICATION FILED NOV. 10, 1913.

1,133,871. Patented Mar. 30, 1915.

Fig. 2.

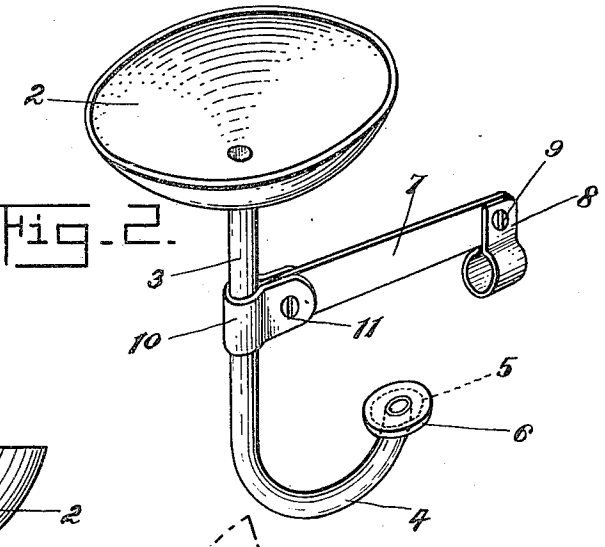
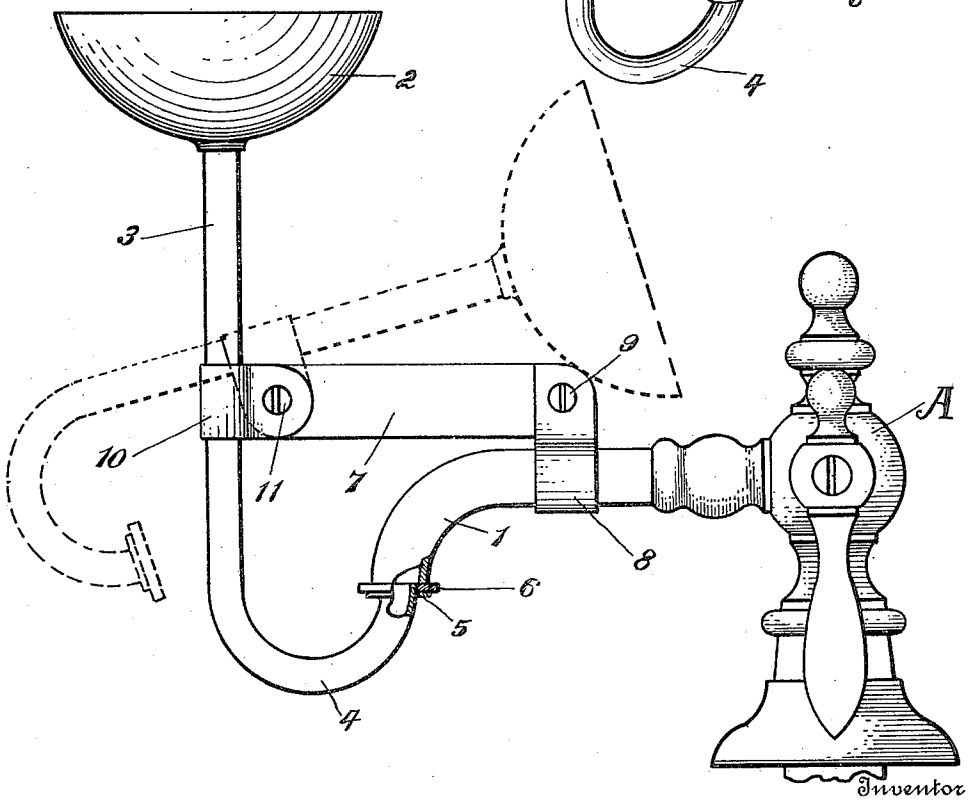


Fig. 1.



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Witnesses

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SANITARY-DRINKING-CUP ATTACHMENT.

1,133,871. Specification of Letters Patent. Patented Mar. 30, 1915.

Application filed November 10, 1913. Serial No. 800,201.

To all whom it may concern:

Be it known that I, WILLIAM W. MACE, a citizen of the United States, residing at Portland, in the county of Multnomah and State of Oregon, have invented certain new and useful Improvements in Sanitary-Drinking-Cup Attachments, of which the following is a specification.

This invention appertains to the class of sanitary drinking cups susceptible of being attached to an ordinary faucet or spigot for use of the cup whenever required, and mounted to permit of the ordinary use of the faucet without interference on the part of the cup and attaching means for the latter.

In designing the present invention especial attention has been paid to adapting the attaching means for the sanitary cup for application to faucets having spouts of different sizes and shapes; also, it has been the aim to provide a cup and attaching means which may be made very inexpensively and which may be very quickly applied to the faucet with which it is to be used.

A further object of the invention has been to provide a cup of the sanitary type from which the bubbling water may be drunk without liability of the lips of the person drinking touching protuberant parts of any sort, a feature which has been considered objectionable in reference to many of the sanitary cups now most commonly found on the market.

With the above and other objects in view, this invention consists in the construction, combination and arrangement of parts all as hereinafter more fully described, claimed and illustrated in the accompanying drawings, wherein:—

Figure 1 is a side elevation showing a sanitary cup attachment applied to a conventional form of faucet or cock, dotted lines illustrating the attachment in an inoperative position that permits of the use of the faucet in the ordinary way. Fig. 2 is a perspective view of the cup attachment alone.

Throughout the following detail description, and on the several figures of the drawings, similar parts are referred to by like reference characters.

In the drawings which illustrate the preferred embodiment of the invention, though various slight modifications in the particular construction of the latter as shown are contemplated to be made within the purview of the invention, 1 denotes the spout of a faucet A, the latter being of a form which is quite commonly used in public lavatories and elsewhere. The drinking cup attachment forming the present invention is sustained primarily by the spout 1 and consists of the cup proper 2 having leading downwardly therefrom a supply pipe 3 formed with an inverted goose neck 4 at its lower end. The terminal of the goose neck 4 is provided with an enlargement 5 in the form of a disk located a short distance below said terminal and affording a seat on which a washer or gasket 6 is carried, the latter surrounding said terminal.

The parts just mentioned are supported by means of an arm 7 which has at one end a supporting member 8, the latter comprising virtually a clamping loop receiving the horizontal portion of the spout 1 and tightly engaging the same under the action of a clamping screw 9. The direct connection between the arm 7 and the cup is established by means of a member 10 pivoted to the outer end of the arm 7 and also of the form of a clamping loop receiving and tightly engaging the pipe 3, the pivot screw for said loop being designated 11.

By reason of the provision of the members 8 and 10 it will be evident that a wide range of adjustment of the attaching means is permitted in order that the cup 2 and its supply pipe may be properly secured to faucets the spouts of which are of different lengths and curvature. The pipe 3 being adjustable vertically in the loop 10 permits of ready adaptation of the device to spouts the outflow ends of which are of different lengths from the ordinary minimum or maximum sizes.

When the invention is in use the parts will be adjusted substantially as shown in Fig. 1, the pivot screw 11 binding the parts 7 and 10 together with sufficient frictional action that the goose neck portion 4 of the pipe 3 will quite firmly hold the washer 6 engaged with the spout 1, insuring that water passing through the spout will enter the pipe 3 and bubble upward in the cup 2. Should it be desired, however, to dispense with the use of the sanitary cup 2 it is apparent that by merely forcing the cup toward the faucet the goose neck 4 will be moved quite a little distance away from the

outlet of the spout 1, permitting water or other liquid to pass through the spout in the ordinary manner.

In drinking from the cup 2, since the pipe 3 enters the cup at the base or bottom of the latter, it will be evident that no protuberant parts are used such as would ordinarily touch the lips of the drinker, and for this reason I consider that my invention is far more sanitary than certain devices for a corresponding purpose frequently found in use at this time.

Having thus described the invention, what is claimed as new is:—

1. A sanitary drinking cup attachment comprising a supporting arm having a downwardly extending supporting loop adapted to receive the spout of a faucet, means for positively engaging said loop with the faucet spout, a supporting loop pivotally mounted on said arm, a supply pipe encircled by the last mentioned loop and adjustable therein and having a goose neck terminal to engage the outlet end of the faucet spout, and a cup at the other terminal of the pipe.

2. A sanitary drinking cup attachment comprising an arm formed at one end with an offstanding loop, means for clamping said loop about the horizontal spout of a faucet to thereby rigidly attach the arm to the latter, a loop carried by the other end of the arm, a supply pipe passing through the last mentioned loop, pivot means for connecting the last mentioned loop with the arm and clamping the loop in engagement with the supply pipe so as to permit adjustment of the latter in respect to the arm, said supply pipe having a spout engaging terminal, and a cup carried by the pipe.

3. A sanitary drinking cup attachment comprising an arm formed at one end with an offstanding loop, means for clamping said loop about the horizontal spout of a faucet to thereby rigidly attach the arm to the latter, a loop carried by the other end of the arm, a supply pipe passing through the last mentioned loop, pivot means for connecting the last mentioned loop with the arm and clamping the loop in engagement with the supply pipe so as to permit adjustment of the latter in respect to the arm, said supply pipe having at its lower end an inverted goose neck terminal adapted to engage the outlet of the faucet spout and provided with an enlargement adjacent said terminal, a gasket supported by said enlargement to establish a tight connection between the terminal and the spout, and a cup carried by the other terminal of the supply pipe.

4. A sanitary drinking cup attachment comprising an approximately horizontal supporting arm, means at one end of the arm for adjustably securing the same to the spout of a faucet, whereby the arm may be moved inwardly and outwardly in respect to the mouth of the spout, a supply pipe, means pivotally and slidably connecting the other end of the arm with said supply pipe, one end of the supply pipe being curved to provide a spout engaging portion adapted to be tilted with the pipe toward and from the mouth of the spout, and a cup carried by the other end of said supply pipe.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM W. MACE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."