

C. E. KELLS, JR.
 SANITARY ATTACHMENT FOR FAUCETS.
 APPLICATION FILED MAY 2, 1912.

1,043,440.

Patented Nov. 5, 1912.

Fig. 1.

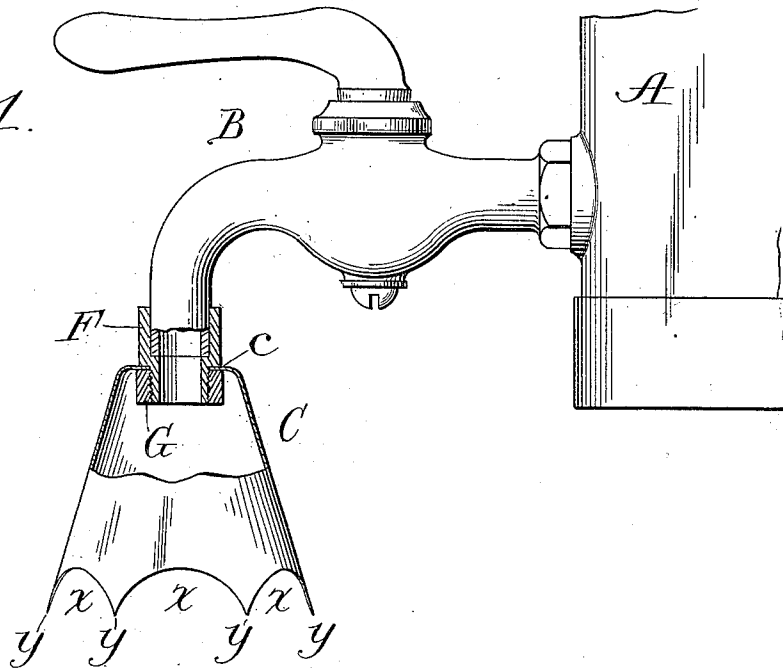
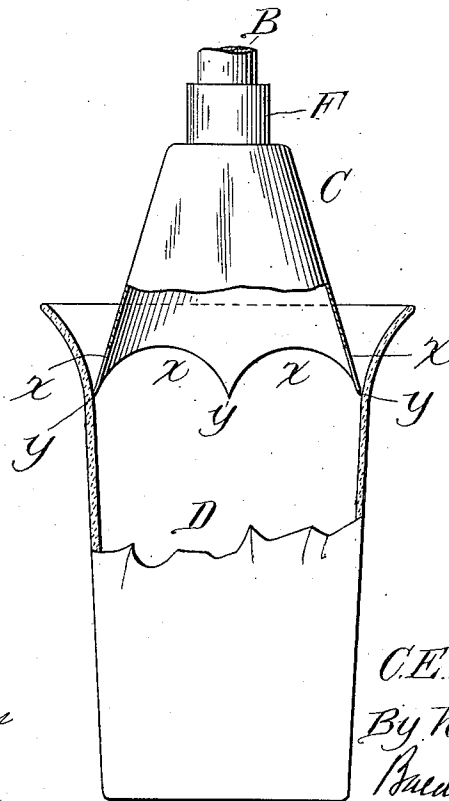


Fig. 2.



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UNITED STATES PATENT OFFICE.

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SANITARY ATTACHMENT FOR FAUCETS.

1,043,440.

Specification of Letters Patent.

Patented Nov. 5, 1912.

Application filed May 2, 1912. Serial No. 694,755.

To all whom it may concern:

Be it known that I, CHARLES EDMUND KELLS, Jr., a citizen of the United States, residing in New Orleans, in the parish of Orleans, in the State of Louisiana, have invented certain new and useful Improvements in Sanitary Attachments for Faucets, of which the following is a specification.

My invention relates to a sanitary attachment for faucets of the general kind shown in my U. S. Patent No. 1,020,207 of March 12, 1912. As explained in said patent ordinary faucets are so arranged that they may extend into an ordinary drinking glass and thus when a public glass or drinking cup has been used a number of times there is a liability of the discharge end of the faucet being contaminated by germs. Such faucets may also be contaminated by the hands and lips of users who sometimes, in the absence of a suitable cup, glass or other such receptacle, place their hand over the mouth of the faucet and drink from the hand or from the faucet itself. This is of course unsanitary and repulsive. In my before-mentioned patent these objections to ordinary faucets were largely overcome by providing a shield for the mouth or the discharge end of the faucet so constructed and arranged that a glass or other receptacle cannot be put close to the faucet's mouth and the hand or lips of the user cannot be used in drinking in the manner above explained. The lower edge of the shield, shown in said patent, is scalloped and just above the edge a series of holes are formed so that water from the glass is prevented from backing up into the shield and coming in contact with the faucet. It was stated in said patent that the shield was preferably made of paper for the reason that paper was inexpensive and that as it would easily collapse or get out of shape it could not be conveniently used to drink from either by being forcibly detached from the faucet or by the hand of the user being applied to its lower end. I have found that the

shield may, to advantage, be made of thin sheet metal and that the corrugations or scallops at the lower end of the shield are advantageously made larger and sharp points or cutting edges formed which will cut or render so uncomfortable the placing of the hand to drink from below the shield that such use is effectively avoided.

In the accompanying drawings:—Figure 1 is a view partly in elevation and partly in section, showing my improved sanitary shield applied to the faucet of a water cooler. Fig. 2 is a view partly in section and partly in elevation, showing the shield inserted in a drinking glass of ordinary construction.

A indicates a part of a water cooler, B a faucet of ordinary construction, C my improved shield and D a drinking glass. The shield C is preferably made of sheet metal or of some such material which is stiff and will present a cutting edge or point. It is by preference frustum shape and may be secured to the mouth of a faucet in the manner shown, or in any other suitable way. As shown, however, the shield is formed at the top with an inwardly projecting flange *c* and the faucet carries a coupling F to which the shield is attached by means of a nut G screwing on to the threaded lower portion of the coupling.

At its lower edge the shield is scalloped by forming relatively wide recesses *x* with intervening points *y*. These may, if desired, be beveled or sharpened in any desired way. If a drinking glass be lifted into contact with the shield, as shown in Fig. 2, and water rises in the glass above the lower edge of the shield it will not rise to the mouth of the faucet but will flow out through the recesses *x* over the edge of the glass in the manner described in my patent above mentioned. If one attempts to drink from a faucet by placing his hand beneath the shield the hand will be immediately pricked, cut or rendered extremely uncomfortable by the sharp points or edges on the bottom of

the shield so much so that drinking from the faucet in this way would be extremely unusual.

I claim as my invention:—

- 5 A sanitary shield adapted to be attached to the mouth of a faucet and to surround the water flowing therefrom, made of stiff rigid material and having openings or recesses at its lower edge with intervening

sharp points or edges, for the purpose specified. 10

In testimony whereof, I have hereunto subscribed my name.

CHARLES EDMUND KELLS, JR.

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."
