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I. C. RICHARDS
SANITARY CUSHION APRON

Filed Nov. 3, 1927

FIG. 1.

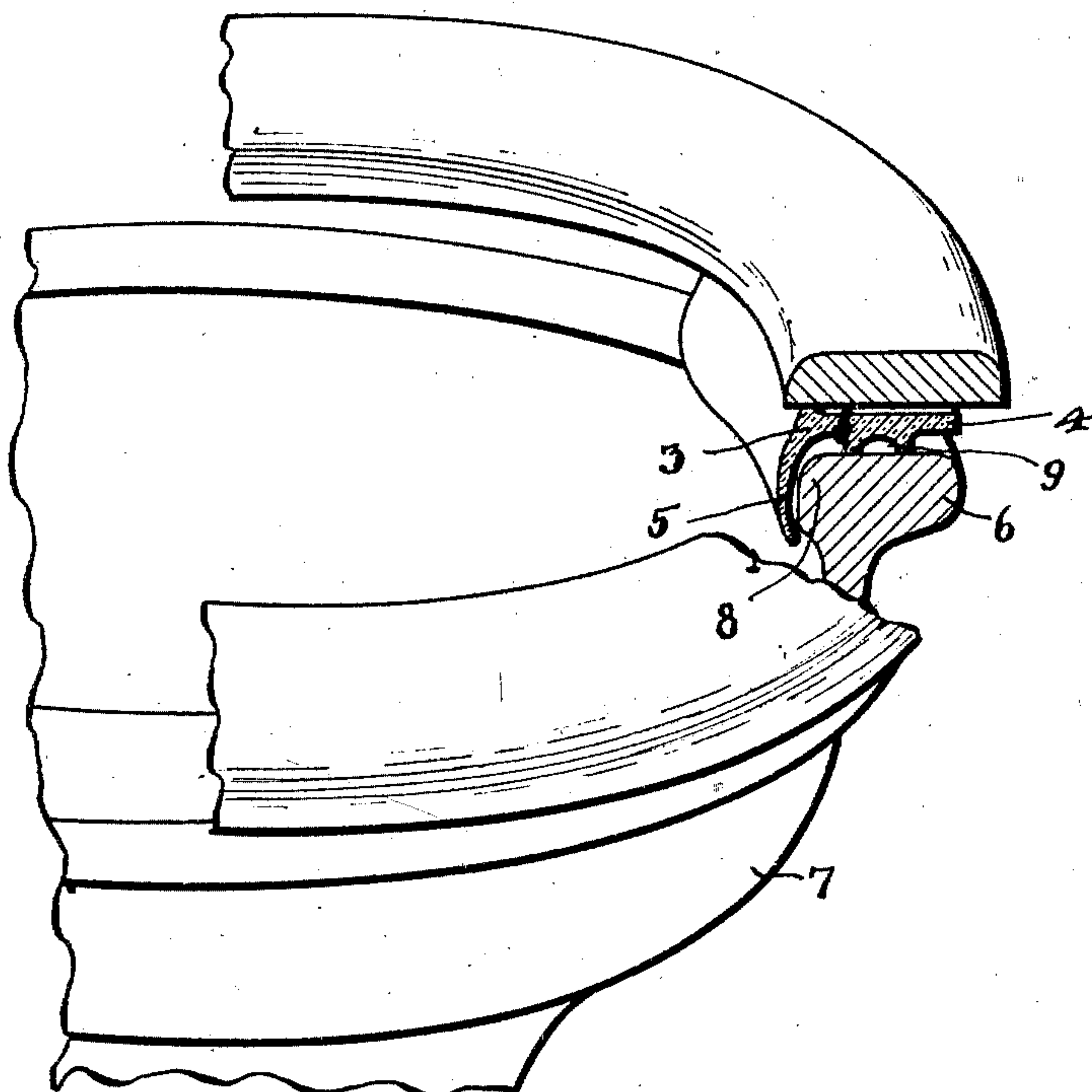
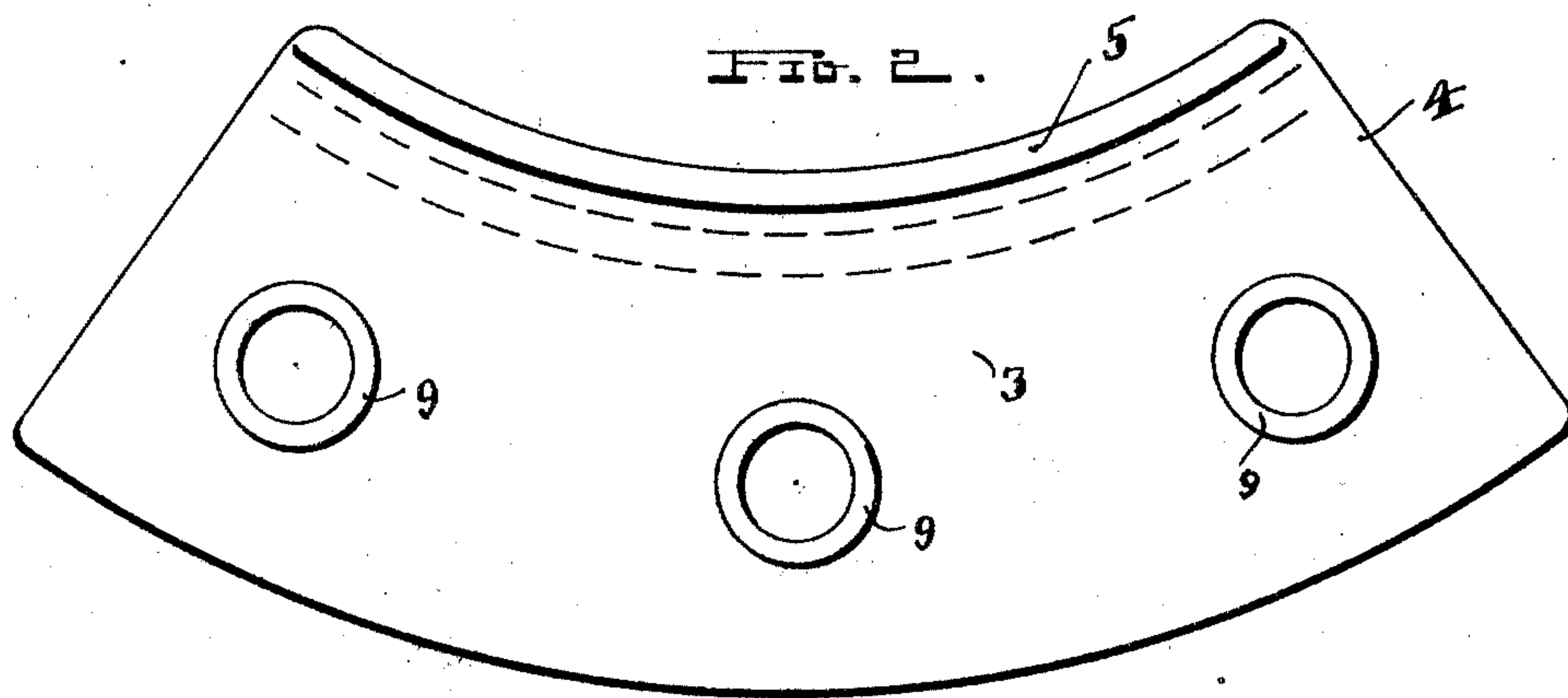


FIG. 2.



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UNITED STATES PATENT OFFICE.

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SANITARY CUSHION APRON.

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This invention relates to sanitary shields for water-closet seats.

One of the objects of this invention is to provide a device that can be applied to and
5 over the top of a toilet bowl.

Another object is to provide a device of this sort with vacuum cups on a portion of its underside, whereby the device may be securely applied to the surface of a toilet bowl.

10 Other objects will appear from the following description and appended claims as well as from the accompanying drawing, in which—

Fig. 1 is a fragmentary perspective view of
15 a water-closet or toilet bowl with a portion of a seat in proper seating position, showing a baffle or shield disposed between the seat and the top of the bowl of a form designed according to this invention.

20 Fig. 2 is a bottom-side view of the shield, illustrating the position of vacuum cups by which the shield can be securely applied and held to the bowl.

Shields of this type may become wet, either
25 by the water used in flushing a toilet, or otherwise. Water or other matter adhering to such a shield, if the shield is attached to the underside of the seat, is liable to be thrown over the edge of the bowl or to some distance into a
30 room if the seat is suddenly or quickly lifted from the bowl.

To overcome this objectionable feature, the device disclosed herewith is preferably designed to be applied to the bowl.

35 As illustrated in the drawing, the shield 3 consists principally of a practically horizontal bowl plate or portion 4 and of the downwardly hanging or projecting apron 5. The top 6 of the bowl 7 is commonly provided
40 with a bead-like edge 8 extending into the bowl, as illustrated in Fig. 1. The apron portion 5 of the device is therefore preferably designed to fit over this bead-like edge of the bowl, tending to support any holding of the
45 device to the bowl.

The principal holding or securing means, however, are disposed on the underside of the flange-like portion 4 in form of cups 9. These cups are arranged so that they seat on the comparatively level top surface of the bowl
50 to assure a secure holding of the device to the bowl when the device is pressed upon.

Even if the vacuum cups should relax in their securing capacity, the repeated pressing of the seat upon the device, whenever the toilet bowl is used, increases the vacuum action or function of the cups on the bowl.

The vacuum cups in combination with the shield serve also as a cushioning means between the seat and the bowl.
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Having thus described my invention, I claim:

1. In a sanitary cushion apron for a toilet seat and bowl, an apron portion extending from the underside of the toilet seat into the toilet bowl to overlap the space between the seat and the bowl, and a flange portion extending from the apron portion between seat and bowl and including vacuum cups formed on the underside of the flange portion adapted to adhere to the top of the bowl when pressed upon the bowl.
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2. In a sanitary cushion apron for a toilet seat and bowl in which the bowl is provided with an inwardly projecting rounded edge, a flange-like portion provided with means on its underside adapted to adhere to the top-side of the bowl when pressed upon, and an apron portion extending from the flange portion downwardly into the bowl and beyond
70 and over the rounded edge of the bowl to support a clinching function of the sanitary cushion apron to the bowl and adapted to cover the space between the seat and bowl of the toilet.
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In testimony that I claim the foregoing as my invention I have signed my name.
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ITHIEL CHARLES RICHARDS.