

(No Model.)

C. SMART.

SANITARY SEAL FOR COVERS OF TOILET VESSELS.

No. 483,948.

Patented Oct. 4, 1892.

Fig. 1.

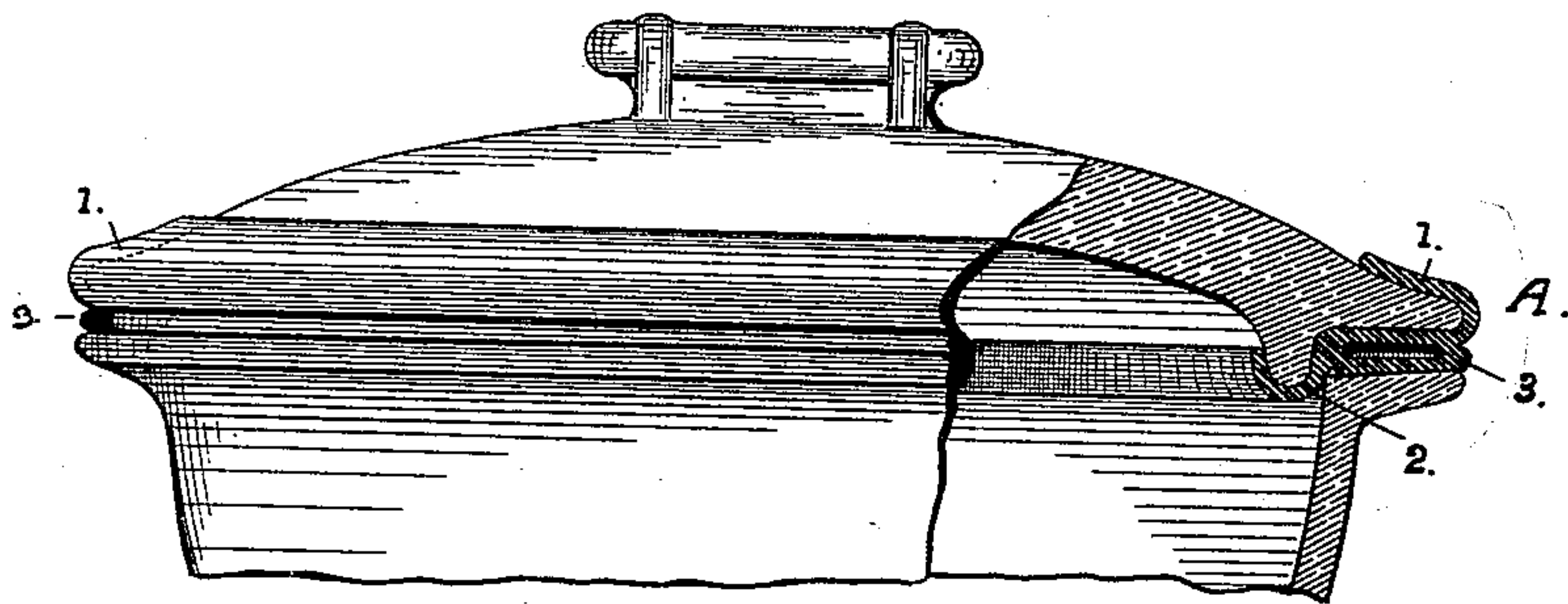


Fig. 2.

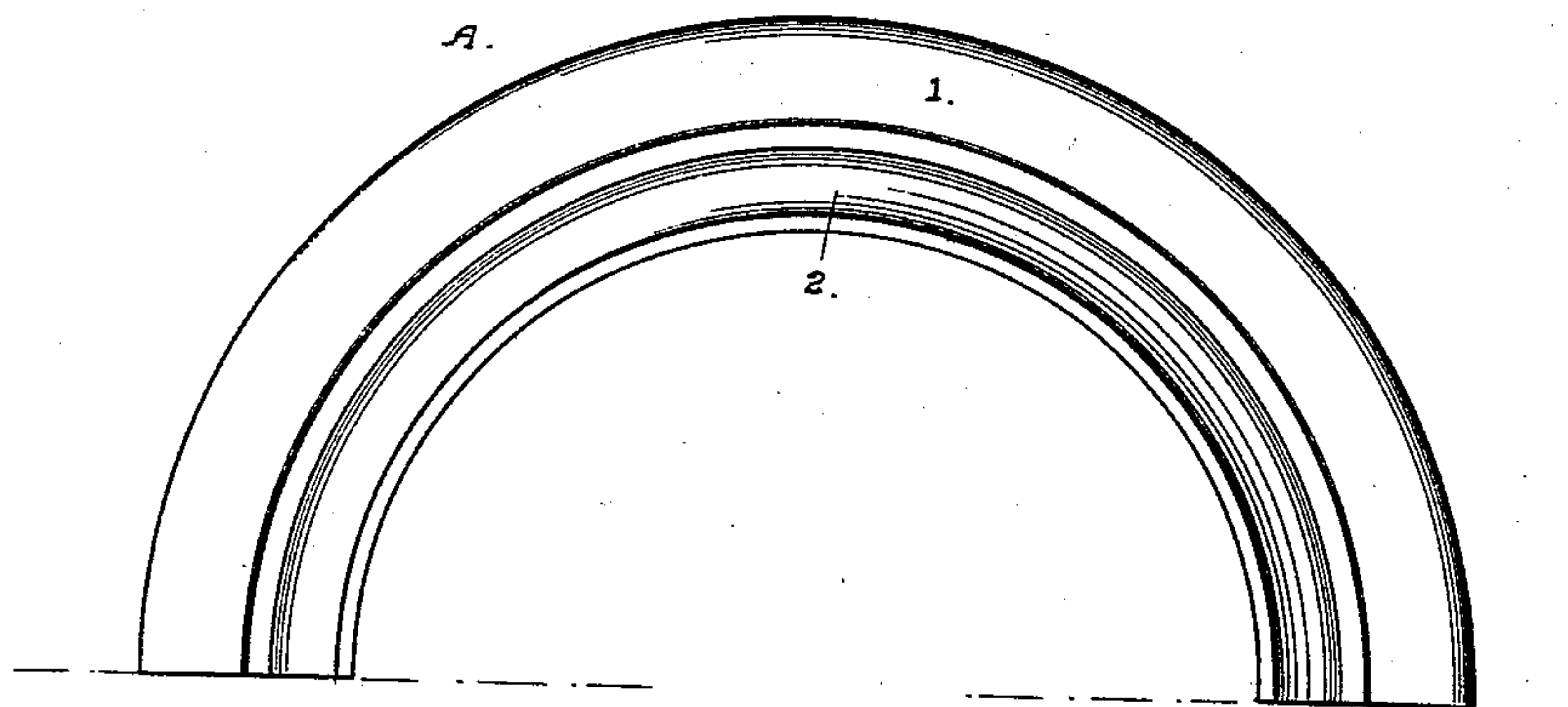
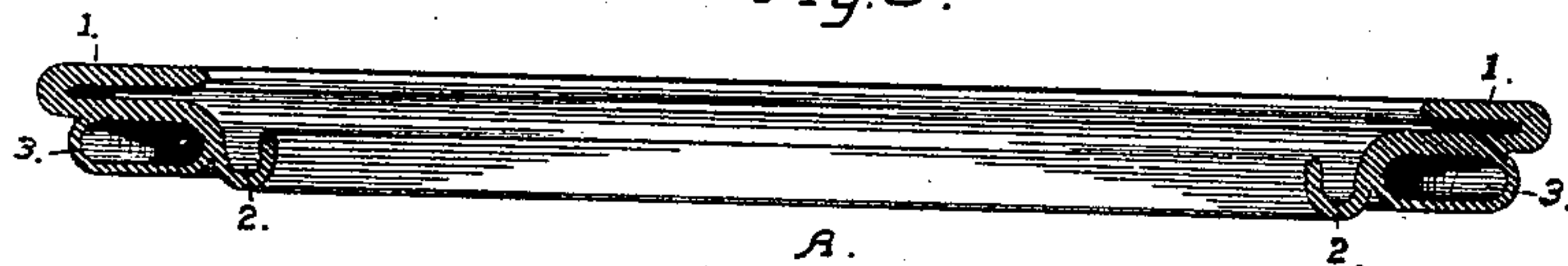


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

CHARLES SMART, OF SAN FRANCISCO, CALIFORNIA.

SANITARY SEAL FOR COVERS OF TOILET VESSELS.

SPECIFICATION forming part of Letters Patent No. 483,948, dated October 4, 1892.

Application filed January 12, 1892. Serial No. 417,878. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SMART, a citizen of the United States, residing in the city and county of San Francisco, State of California, have invented an Improved Sanitary Seal for Covers of Toilet Vessels, of which the following is a specification.

My invention has for its object to provide for use on the cover of a chamber, slop-jar, or other toilet vessel a device of such character that it shall form a seal or packing to produce a close joint between the cover and the mouth of the vessel and when applied to the cover it will remain in position without fastenings of any kind. In addition to this feature it constitutes a cushion to produce noiseless contact of the cover with the rim of the vessel in removing or replacing it. Such ends and object I attain by the construction hereinafter described, and illustrated in the accompanying drawings, producing an attachment for the covers of toilet vessels which I have termed and shall herein refer to as a "sanitary seal."

Referring to the drawings, that form part of this specification, Figure 1 represents in elevation the cover and the top portion of a chamber with the sanitary seal in use thereon, one side of the figure being partially broken away and shown in section. Fig. 2 is a one-half plan or top view of the seal. Fig. 3 is a cross-section.

To produce this seal, I mold or build it up of rubber in the general form of a continuous ring, several sizes being furnished to fit vessels of the different standard sizes of various manufacturers, or those that vary considerably in size. The elasticity of the device, however, will permit it to fit covers of different sizes where the variation is not considerable.

An overlapping and inwardly-turned flange 1 is formed on the outer edge of the ring to fit over the rim of the cover, and an upwardly-

turned flange 2 is formed around the inner edge of the ring to set over and embrace the standing rim or ledge on the under side of the cover. Between these two flanges and against the under side of the flat body A of the ring a tubular cushion 3 is formed by attaching to or molding on the body a continuous strip joined at the inner and outer edges only to produce a hollow space extending all around the ring. These parts when properly formed will approach in shape and relative position the device represented in Fig. 3, and when attached in place and the cover set upon the vessel the parts will take the general form illustrated in Fig. 1. At such time the weight of the cover compresses the tubular part sufficiently to cause it to fit closely into the crevices and to conform to any irregularities of surface both on the cover and the vessel, and so producing a tight joint and seal all around the rim.

As thus constructed my device is readily placed on a cover and held without the use of fastenings. It is easily removed to wash the cover. It prevents the noise in removing and replacing the cover, which is frequently a source of annoyance to invalids and sensitive persons. Its sanitary quality or property is an important feature.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The herein-described seal for covers of toilet vessels, comprising the body A, the flanges 1 and 2, and the circular tubular cushion 3, constructed and arranged for operation as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand and seal.

CHARLES SMART. [L. S.]

Witnesses:

CHAS. E. KELLY,

C. W. M. SMITH.