May 2, 1950 H. BACHLI ET AL 2,506,480

WATER CLOSET TANK COVER

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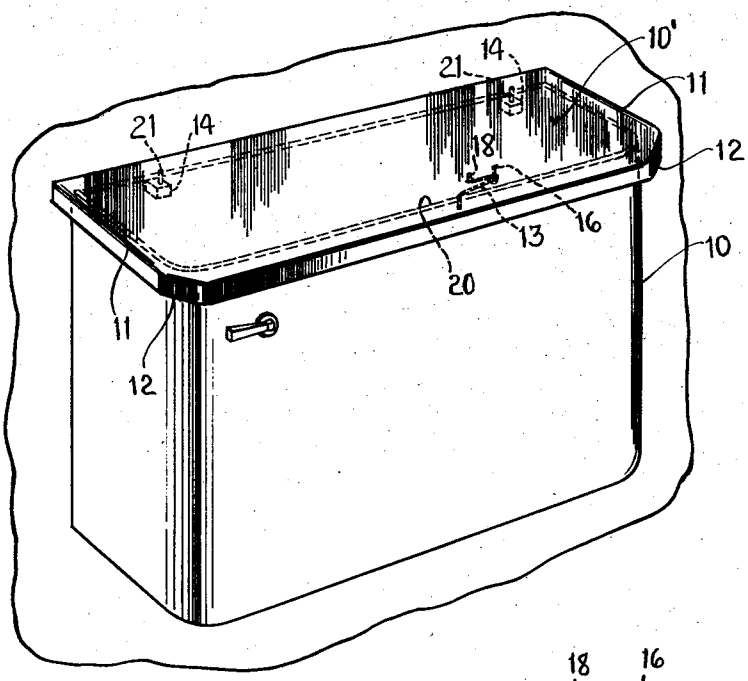


Fig. 1.

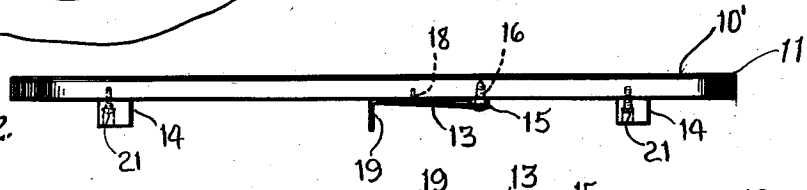


Fig. 2.

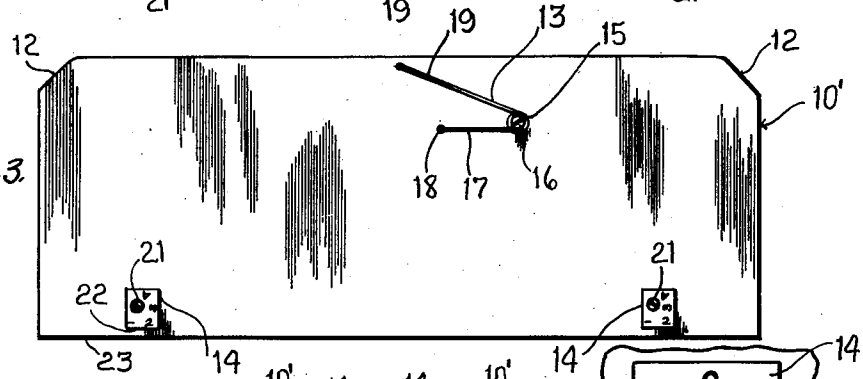


Fig. 3.

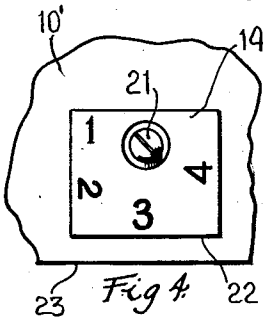


Fig. 4.

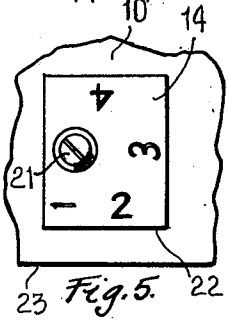


Fig. 5.

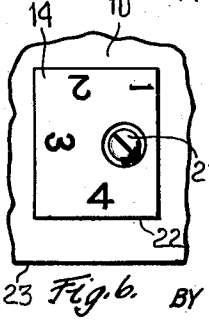


Fig. 6.

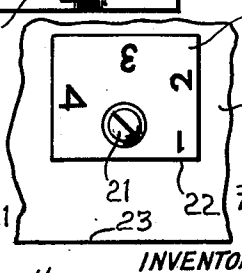


Fig. 7.

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WATER CLOSET TANK COVER

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2 Claims. (Cl. 4—68)

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This invention relates to certain new and useful improvements in water closet tank covers and has for its principal object the provision of an improved construction of this character which will be highly efficient in use and economical in manufacture.

A principal object of our invention is to provide a cover of this character which may be substituted for an original damaged cover of a water closet tank.

Ancillary to this object is also the object of providing guiding and locating means associated with the cover whereby the cover may be adjustable, for replacement of original damaged covers, to water closet tanks of different dimensions.

Other objects will appear hereinafter.

The invention consists in the novel combination and arrangement of parts to be hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings showing the preferred form of construction, and in which:

Fig. 1 is a perspective view of a water closet tank showing our improved cover associated therewith;

Fig. 2 is an edge view of the cover embodied in our invention;

Fig. 3 is a plan view of the same;

Figs. 4 to 7 inclusive are plan views of a guide block embodied in the invention.

The conventional and standard form of a water closet tank, with which our invention is adapted to be associated comprises the tank body 10 which, like its cover, is formed of porcelain or similar material. This tank 10 is usually supported from a wall in a conventional and well known manner.

Frequently the removable cover of the tank becomes chipped by reason of articles falling thereon or broken or otherwise damaged or made unsightly. To replace this cover it usually requires that the same be purchased from the factory as it is not the custom for the jobber or retailer to carry in stock replaceable covers.

As before stated, the principal object of our invention is to provide a tank cover which is adapted to replace the damaged original tank cover. It is our object to provide such a cover which may be adaptable for use with tanks of different sizes.

In accomplishing these and other objects of the invention, we provide a cover 10' which may have bevelled edges 11 and ornamental corners 12 to present a pleasing appeal to the eye of the

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observer. This cover 10' is preferably formed for economical purposes of suitable wood and coated or painted to simulate the finish of a porcelain tank cover.

The cover 10' is held in position upon the tank 10 by an arrangement which consists of a latch spring 13 and adjustable guide blocks 14. This spring 13 provides a medial coil 15 through which a screw 16 is projected for attaching the spring to the cover. One end portion 17 of the spring has an angled end portion attached as at 18 to the cover. The opposite end portion 19 of the spring is adapted to have yieldable engagement with the adjacent wall 20 of the tank 10.

The blocks 14 are eccentrically connected to the cover 10' by screws 21. The arrangement is such that by adjusting the blocks 14, four different dimensions may be had between the confronting edge 22 of each block and the adjacent longitudinal edge 23 of the cover 10'. Preferably these blocks each have embodied or printed thereon numbers, from "1" to "4" inclusive, to indicate the confronting edges of the blocks. In Fig. 4 the edge numbered "3" is arranged in confronting relation with the edge 23 of the cover, and it will be noted that the distance between the edge 22 and edge 23 is less than the distance between the edge 23 of the cover 10 and the numbered edges, "2," "4" and "1" of the block (Figs. 5, 6 and 7). In this manner by adjusting the blocks a proper fit may be accomplished between the cover 10' and the tank whereby to removably hold and position the cover on the tank. The tension spring 13 yieldably bears the confronting edges of the blocks against the wall 20 of the tank, thereby serving the dual purpose of frictionally latching the cover in place on the tank and at the same time preventing rattling of the cover.

The eccentrically mounted blocks permit the covers to be used with tanks of varying dimensions.

From the foregoing description it is clear that our invention comprises relatively few parts which enables us to manufacture the substitute cover at economical cost and thereby place the same upon the market at a price that will be attractive to purchasers.

While we have illustrated and described the preferred form of construction for carrying our invention into effect, this is capable of variation and modification without departing from the spirit of the invention. We, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail ourselves

of such variations and modifications as come within the scope of the appended claims.

Having thus described our invention, what we claim as new and desire to protect by Letters Patent is:

1. A substitute cover for a water closet tank comprising a cover element, means for locating and holding said cover element on said tank, said means comprising a plurality of block elements carried by the under side of said cover and adapted to engage an adjacent side wall of the tank, a spring element carried by the under side of said cover near the opposite edge thereof and having one end portion fixed thereto and an opposite end portion yieldably engaging the opposite side wall of the tank to bear said block elements against said adjacent side wall of the tank, and means eccentrically selectively connecting the block elements to the cover for rotation about said connection to vary the distance between the side edges of the block elements and the adjacent long edge of the cover element.

2. A substitute cover for a water closet tank comprising a cover element, means for locating and holding said cover element on said tank, said means comprising a plurality of block elements substantially square in plan view and carried by the under side of said cover adjacent one edge

portion thereof and adapted to engage an adjacent side wall of the tank, and a member carried by the under side adjacent the opposite edge of said cover and having an elongated spring finger adapted to yieldably engage the opposite side wall of the tank to bear said block elements against said adjacent side wall of the tank, and means eccentrically connecting the block elements to the cover to permit independent rotation of each block element to present selectively a flat edge thereof against said opposite side wall of the tank, the edges of said block elements being designated by numbers carried by said block elements and corresponding edges of each block element being indicated by like numbers.

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HARRY S. SHAPIRO.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
2,065,908	Pihl	Dec. 29, 1936
2,170,776	Goepel	Aug. 22, 1939
2,238,699	Levine	Apr. 15, 1941
2,430,434	Rutter	Nov. 4, 1947