July 15 , 1924. 1,501,177

B. OZWIRK

BASIN COVER APPLIANCE

Filed Sept. 14 . 1920

FIG. III.

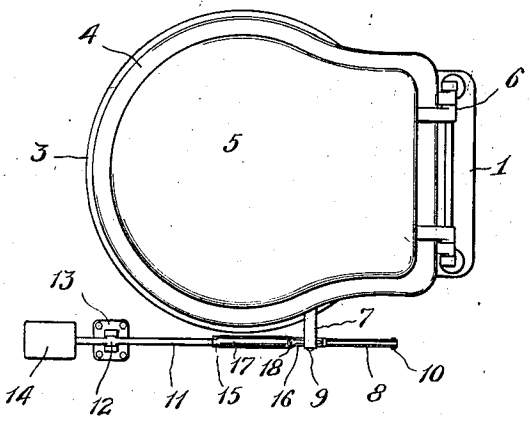


FIG. II.

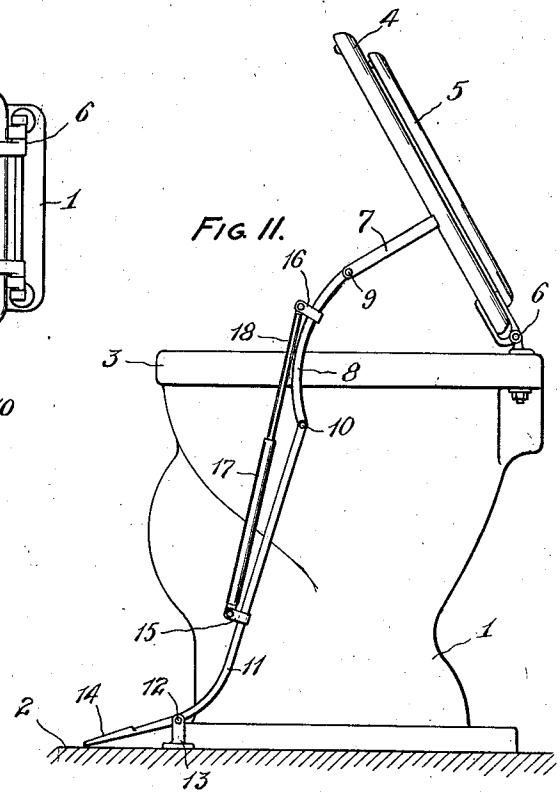
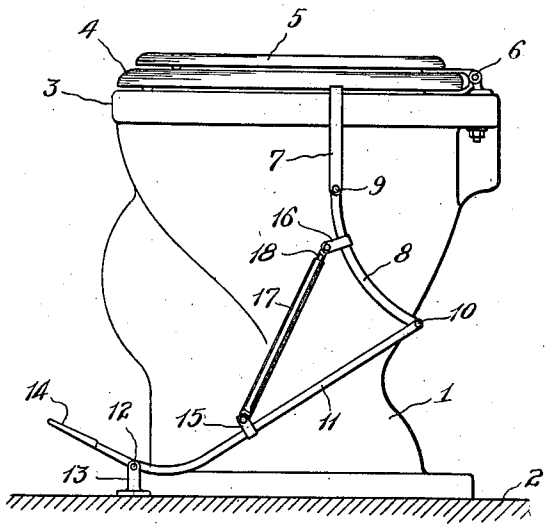


FIG. I.



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UNITED STATES PATENT OFFICE.

BERNHARD OZWIRK, OF CLEVELAND, OHIO.

BASIN-COVER APPLIANCE.

Application filed September 14, 1920. Serial No. 410,094.

To all whom it may concern:

Be it known that I, BERNHARD OZWIRK, a citizen of the Republic of Czechoslovakia, residing at Cleveland, Cuyahoga County, in the State of Ohio, have invented a new and useful Improvement in Basin-Cover Appliances, of which the following is a specification, the principle of the invention being herein explained and the best mode in which I have contemplated applying that principle, so as to distinguish it from other inventions.

My invention relates to a basin cover appliance and more particularly to the mechanical means for lifting the cover of a basin.

It is frequently desirable to facilitate the lifting of the cover of basins of many types and for different purposes. If the basin happens to be of friable material it is advisable to guard against too sudden a fall of the cover into place so as to avoid the possibility of fracturing the rim thereof. With this object in mind I have contrived to have my appliance include a retarding device for easing, checking or damping the gravitational return of the cover to its position of rest on the basin. The drawing of my invention exemplifies a basin fixed to the floor in association with mechanism for raising a cover therefrom including a part likewise secured to the floor and a pedal.

Besides the general object of hygiene and convenience it will be apparent that the wooden seat ring of toilet basins in public places are often urine soiled with shameless inconsiderateness of subsequent users, and in consequence with a resultant smell and eventual rotting of the wood. My invention proposes to facilitate the lifting of a toilet basin rim by placing an operating foot pedal at the point on the floor where a male using the basin as a urinal would naturally place one of his feet during the performance.

Figure I is a side elevation of a basin provided with two covers showing my invention associated therewith, and its parts in the position they assume when the covers are in their closing position.

Figure II is a view corresponding to Figure I showing the covers lifted therefrom with the parts of my appliance correspondingly altered in position.

Figure III is a top plan view of Figure I.

A basin 1 is shown secured to a floor 2 and is provided around an upper opening with a rim 3 upon which a ring cover 4 and a disk cover 5 are adapted to rest the latter against the former. Both of the covers are hinged at 6.

The appliance which I have contrived for simultaneously lifting both covers consists of a series of articulated levers subject to pedal actuation. An arm 7 is secured in any suitable manner to the underside of the cover 4 and has its lower ends articulating at 9 with a curved lever 8, the lower end of which articulates in turn at 10 with the upper end of a bell-crank lever 11, which is pivoted intermediately of its ends at 12 to a fixture 13. The free end of the lever 11 is shaped to form a pedal 14, the arrangement being such that a depression of the pedal swings the articulated members upwardly and lifts the covers.

In order to retard the gravitational return of the covers to their functioning position I provide what is in the nature a common type shock absorber including a bracket 15 attached to the lever 11 and a bracket 16 attached to the lever 8. Pivotally connected with these brackets respectively are members 17 and 18 in telescopic connection, the engagement therebetween being calculated to offer just enough friction to carry out the intended object.

I claim:—

1. A device of the character described comprising in combination, a basin, a cover therefor, means including articulated members for lifting said cover and adapted to permit its gravitational return to position upon said basin and control mechanism for retarding the action of said means, said mechanism including a pair of relatively movable parts pivotally attached one to each of two of said members.

2. An appliance of the character described comprising in combination a fixed basin, a movable cover for said basin, means including articulated members for lifting said cover, and a device adapted to retard the movement of said cover to its closing position articulating with and wholly carried by two of said members so as to be bodily movable therewith.

3. A device of the character described comprising in combination, a basin, a cover therefor, means including articulated members for lifting said cover and adapted to permit its gravitational return to position upon said basin and control mechanism for retarding the action of said means said mechanism including a pair of brackets attached one to each of two of said members together with a device pivotally connected with said brackets.

Signed by me this 7th day of September, 1920.

BERNHARD OZWIRK.