

M. N. GRIFFIN.
BOX FOR WATER METERS.
APPLICATION FILED OCT. 19, 1911.

1,042,218.

Patented Oct. 22, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

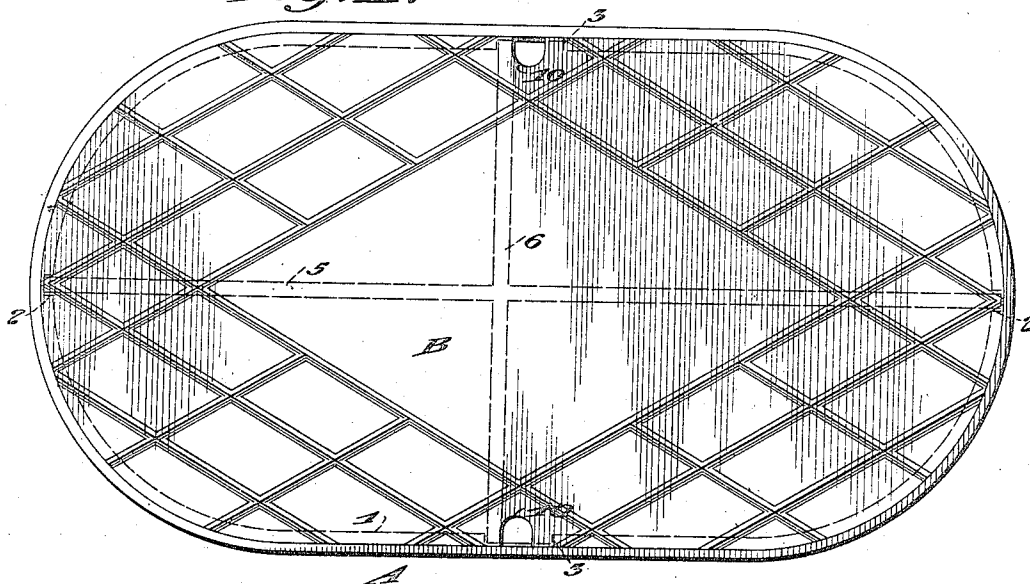
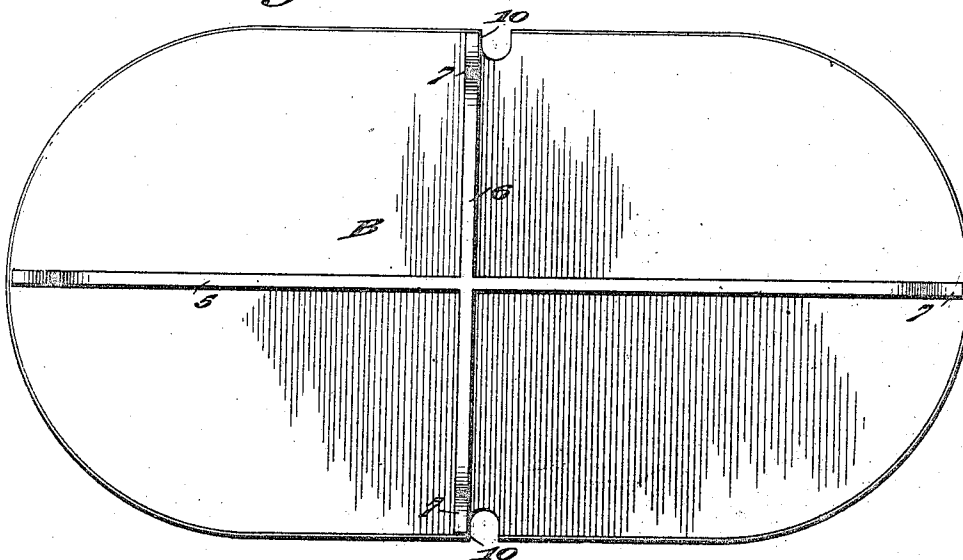


Fig. 2.



Witnesses

Lloyd W. Patch
A. A. Hammond

Inventor
Mortimer N. Griffin
By Louis Berger
Attorney

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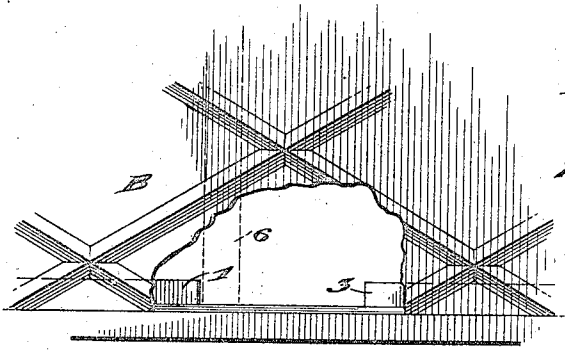


Fig. 3.

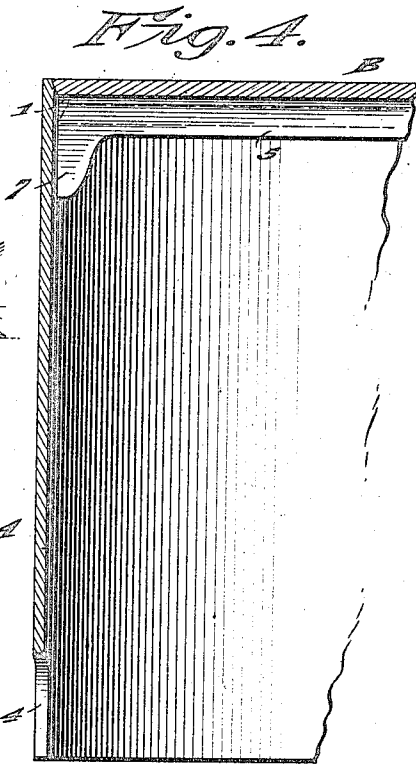


Fig. 4.

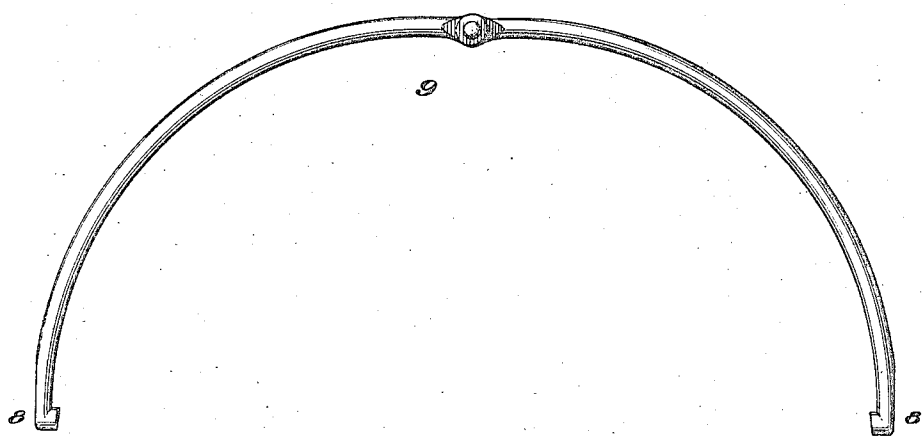


Fig. 5.

Witnesses

Lloyd W. Patch
A. A. Hammond

Inventor

Mortimer N. Griffin

By

Louis P. Bagg

Attorney

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UNITED STATES PATENT OFFICE.

MORTIMER N. GRIFFIN, OF ROME, GEORGIA.

BOX FOR WATER-METERS.

1,042,218.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed October 19, 1911. Serial No. 655,474.

To all whom it may concern:

Be it known that I, MORTIMER N. GRIFFIN, a citizen of the United States, residing at Rome, in the county of Floyd and State of Georgia, have invented certain new and useful Improvements in Boxes for Water-Meters, of which the following as a specification.

My invention relates to an improvement in boxes for water meters, such as are placed in the streets and sidewalks of towns and cities; and the object is to provide a box with a cover which will not be easily or accidentally displaced or removed, and in fact which cannot very well be removed without the proper appliance therefor; and my invention comprises, in addition to the other features, means for removing the cover of the meter-box.

With these objects in view, my invention consists in certain novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claims.

In the accompanying drawings:—Figure 1 is a top plan view of the box, Fig. 2 is a bottom plan view of the cover, Fig. 3 is a detail view showing a broken-out portion where one of the lugs on the cover is located in the notch or recess at the side of the box, Fig. 4 is a detail in vertical section through one of the depending lugs adjacent a side of the box, and Fig. 5 is a view of the key for removing the cover.

A, represents the box, which is provided with an inwardly-projecting ledge or flange 1, just below the upper edge to afford a seat for the cover. This flange is provided with narrow notches 2, 2, at each end, and wider notches 3, 3, at opposite central points on the sides. The box has neither head nor bottom, but at the lower end has the usual inlets 4, 4, for pipes.

B, indicates the cover. This is provided on the lower surface with intersecting longitudinal and transverse ribs 5 and 6 respectively, to give strength to the cover, and these terminate at their ends in elongated depending lugs 7, the outer edges 8 of which are straight. These lugs enter the notches

2, 2, and 3; 3, in the ledge 1, and bear against the inner wall of the box for a considerable distance down from the top.

While the end lugs 7, 7, approximately fit the end notches 2, 2, the side lugs 7, 7, are much narrower than the side notches 3, 3, the reason for which is that the remaining space afforded by these wide notches affords entrance or clearance for the hooks 8, 8, of the hinged key or tongs 9, which are required in order to remove the cover, they being dropped through small holes 10, 10, in the side edges of the cover adjacent to the lugs 7, 7. These holes are intended to be so small, and the lugs so long that the cover cannot be removed, except as it is caught and lifted from the two side edges simultaneously and evenly, the holes 10, 10, being as near the center as possible, so that the cover balances itself when it is raised and lowered by means of the key or tongs. In this way, I provide a simple but effective arrangement for preventing accidental tilting, displacement, or removal of the cover from a meter-box, thus avoiding the danger incident to horses and pedestrians stepping or falling into the box, which is common with other constructions where less ingenuity and care are exercised in designing and constructing the cover in order that it may maintain its place and yet yield readily to the proper tool for bringing about its removal from the box, or replacing it.

It is evident that more or less slight changes might be resorted to in the form and arrangement of the several parts described without departure from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein described, but:—

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

1. The combination with a box having a notched ledge, of a cover having elongated depending lugs adapted to enter the notches and fit closely the wall of the box, the cover having holes at the centers of the opposite sides adjacent to the side lugs, and over the side notches in the ledge of the box.

2. The combination with a box having a notched ledge, of a cover having elongated depending lugs adapted to enter the notches and fit closely the wall of the box, the cover
5 having holes at the centers of the opposite sides adjacent to the side lugs and over the side notches in the ledge of the box, and intersecting ribs connecting these lugs and reinforcing and strengthening both them and the cover. 10

In testimony whereof I affix my signature, in the presence of two witnesses.

MORTIMER N. GRIFFIN.

Witnesses:

N. A. DENNY,

E. P. TREADAWAY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."