(No Model.) 2 Sheets—Sheet 1.

# W. C. METZNER.

## STOVE LID.

No. 358,938. Patented Mar. 8, 1887.

Fig. 1.

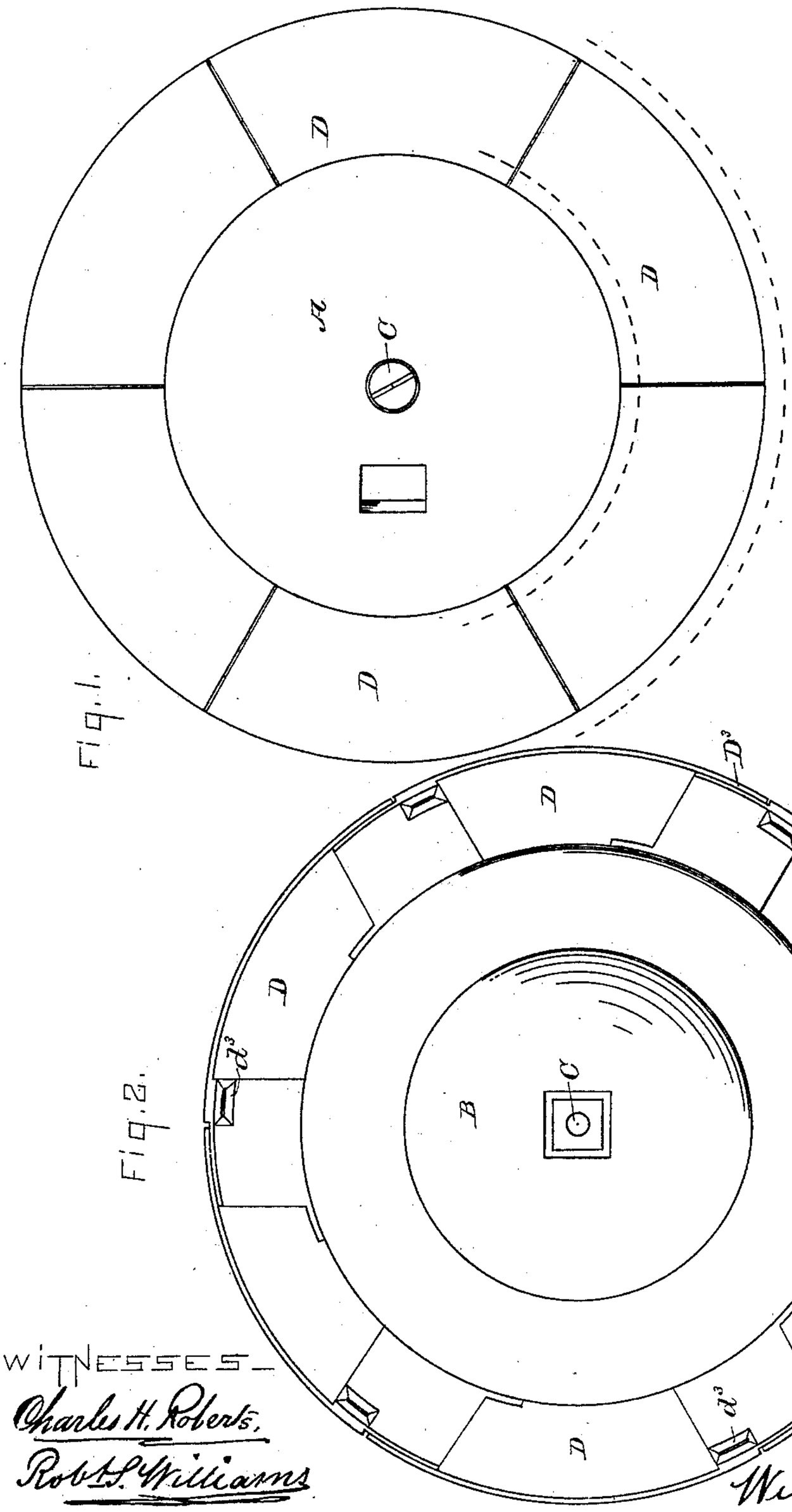


Fig. 3.

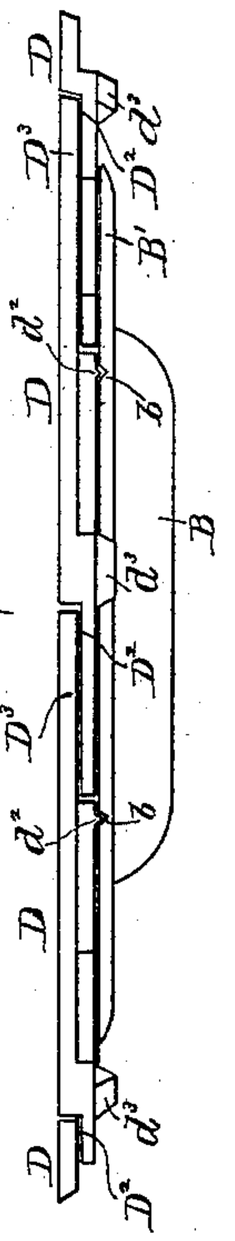


Fig. 2.




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(No Model.) 2 Sheets—Sheet 2.

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## STOVE LID.

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Fig. 4.

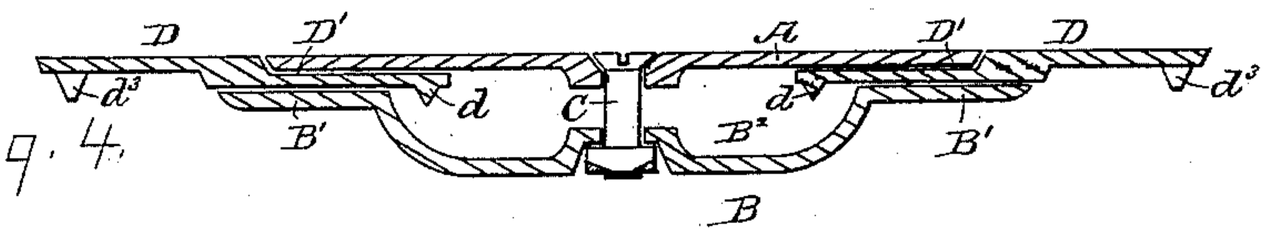



Fig. 5.

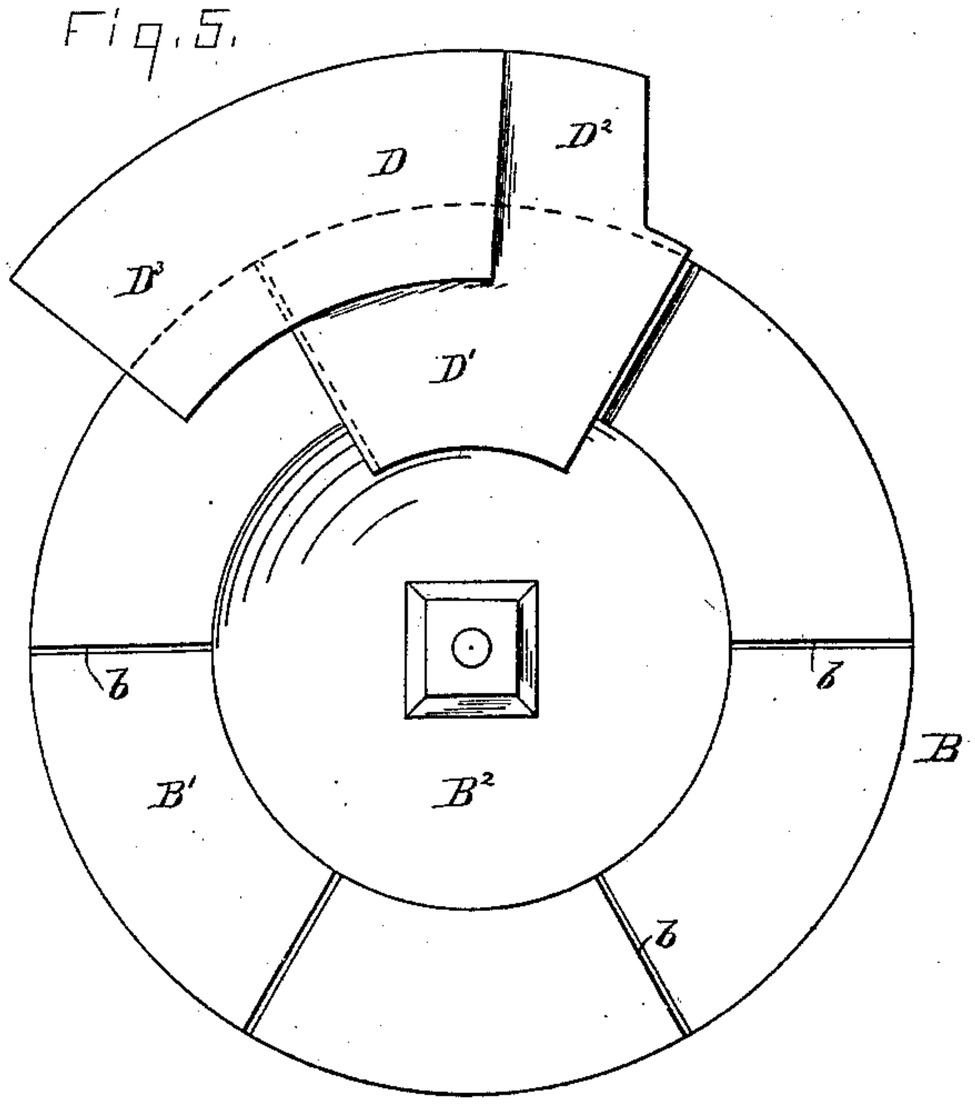
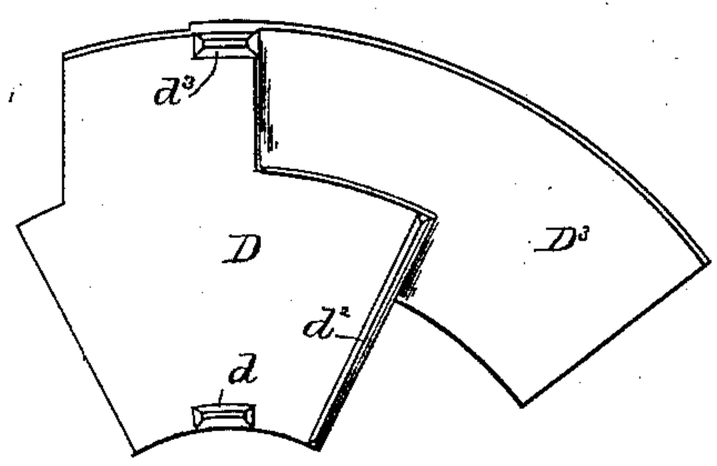



Fig. 6.

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# UNITED STATES PATENT OFFICE.

WILLIAM C. METZNER, OF CHICAGO, ILLINOIS.

## STOVE-LID.

SPECIFICATION forming part of Letters Patent No. 358,938, dated March 8, 1887.

Application filed October 15, 1886. Serial No. 216,366. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. METZNER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Stove-Lids; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to stove-lids, and has special reference to circular lids, which form a part of the tops of cook-stoves.

The object of this invention is to produce a stove-lid which is adapted to fit into holes of different diameters. This I accomplish by means of the mechanism illustrated in the accompanying drawings.

In said drawings, Figure 1 is a top view. Fig. 2 is a bottom view. Fig. 3 is a side elevation. Fig. 4 is a vertical section. Figs. 5 and 6 are detail views.

A is a flat circular plate, forming the central portion of the upper face of the lid, and B is a circular plate forming the central portion of the lower face of the lid. Around the circumference of the plate B is the horizontal flat surface B′, while about its center is the depression $B^2$.

The plates A and B are held together by a screw-bolt, C, the ends of which are preferably let into said plates, in order to leave the exterior surfaces of the lid smooth.

D D are a series of overlapping radial plates, the inner ends of which are clamped between the margins of the plates A and B, and the outer ends of which constitute the periphery of the finished lid. To vary the size of the lid, the bolt C is loosened and the plates D set nearer to or farther from the center. Each of said plates has a depression, D′, at its inner end deep enough to receive the edge of the plate A, while at one side it has a similar depression, $B^2$, to receive the overlapping extension $D^3$ of the adjacent plate, D. A lid having a level upper surface is thus formed.

To prevent the plates D from slipping out too far when the bolt C is loosened, a downwardly-directed lug, *d*, extending into the depression $B^2$, is formed upon the inner end of said plate, and to cause the plates D to be bound more firmly when the bolt $B^2$ is tightened, and to cause them to slide in a direct line from the center only when the bolt C is slightly loosened, I provide the upper face of the plate B with radial grooves *b*, which receive corresponding ribs, $d^2$, on the lower faces of the plates D.

Beneath and to the outer edges of the plates D, I cast the downwardly-directed lugs $d^3$. These are designed to rest upon the inwardly-directed flange surrounding the lid-hole in the top of the stove, and they are made so long that they may be filed off to bring the top of the lid even with the top of the stove to which the lid is to be applied.

It is obvious that the number of plates D may be varied, and I do not limit myself to the use of any particular number.

I claim as my invention—

1. In a stove-lid, the combination of the plates A and B, bolt C, and overlapping radial plates D, substantially as shown and described.

2. In a stove-lid, the combination of the plates A, plate B, having the central depression, $B^2$, bolt C, and overlapping radial plates D, provided with lugs *d*, substantially as shown and described.

3. In a stove-lid, the combination of the plates A and B, bolt C, and overlapping radial plates D, provided with the lugs $d^3$, substantially as shown and described.

4. In a stove-lid, the combination of the plates A and B, bolt C, and overlapping plates D, said plates B and D being provided with radial grooves and ribs, substantially as shown and described.

5. In a stove-lid, the combination of the plate A, bolt C, plate B, having the depression $B^2$ and radial grooves *b*, and radial overlapping plates D, having the lugs *d* and $d^3$ and ribs $d^2$, substantially as shown and described.

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

WILLIAM C. METZNER.

Witnesses:
EDWARD J. HRDLICKA,
CYRUS KEHR.