

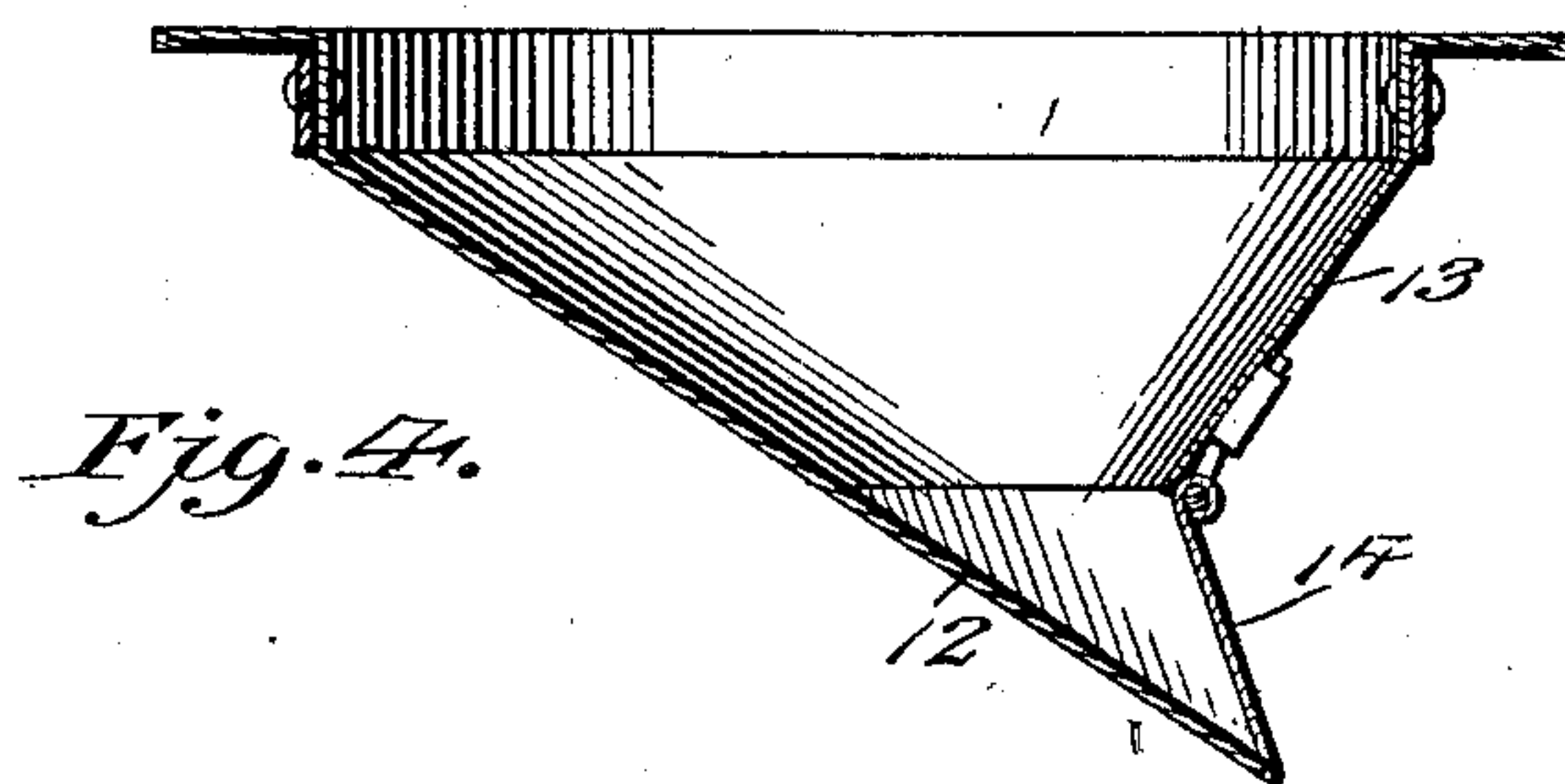
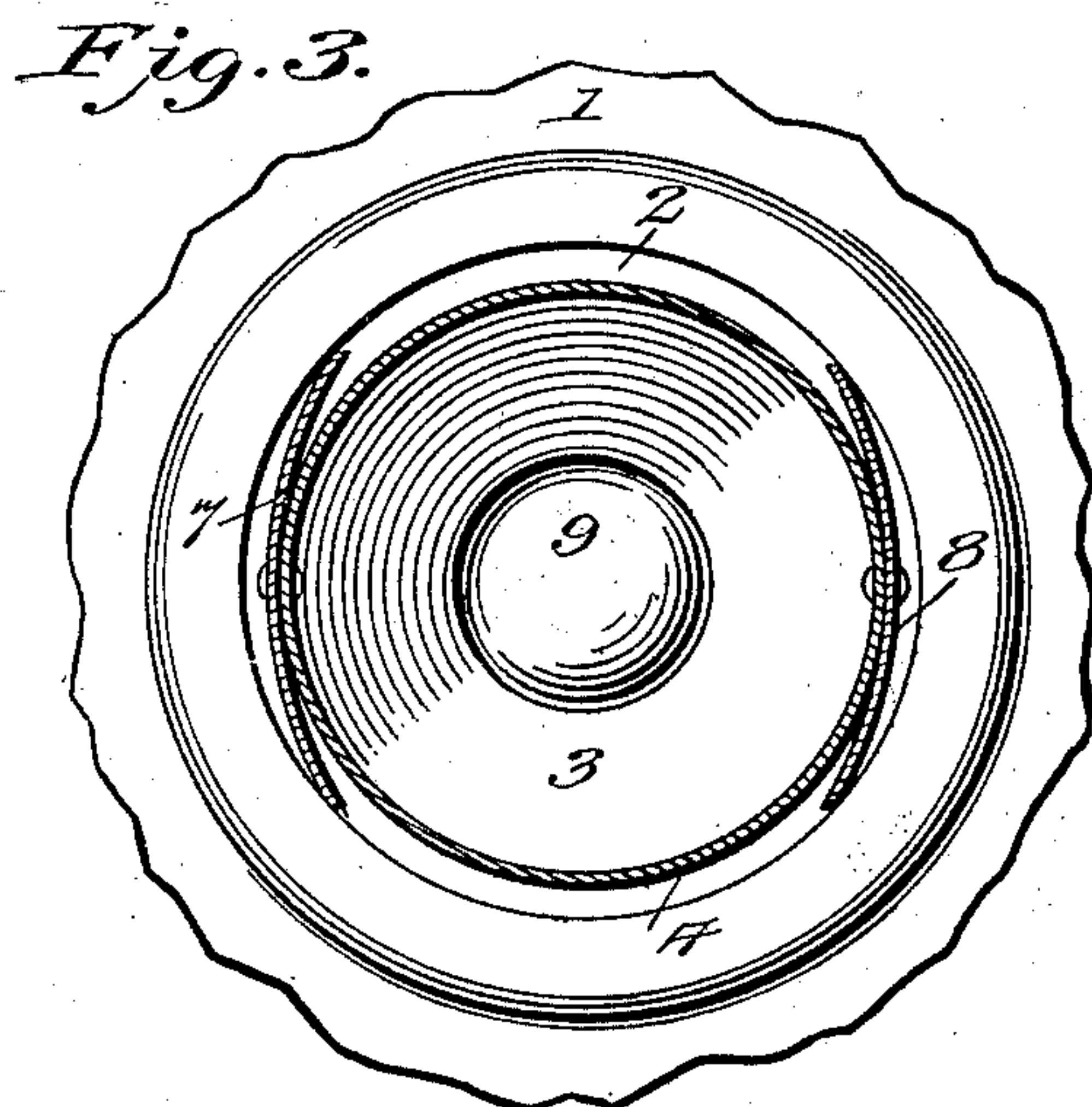
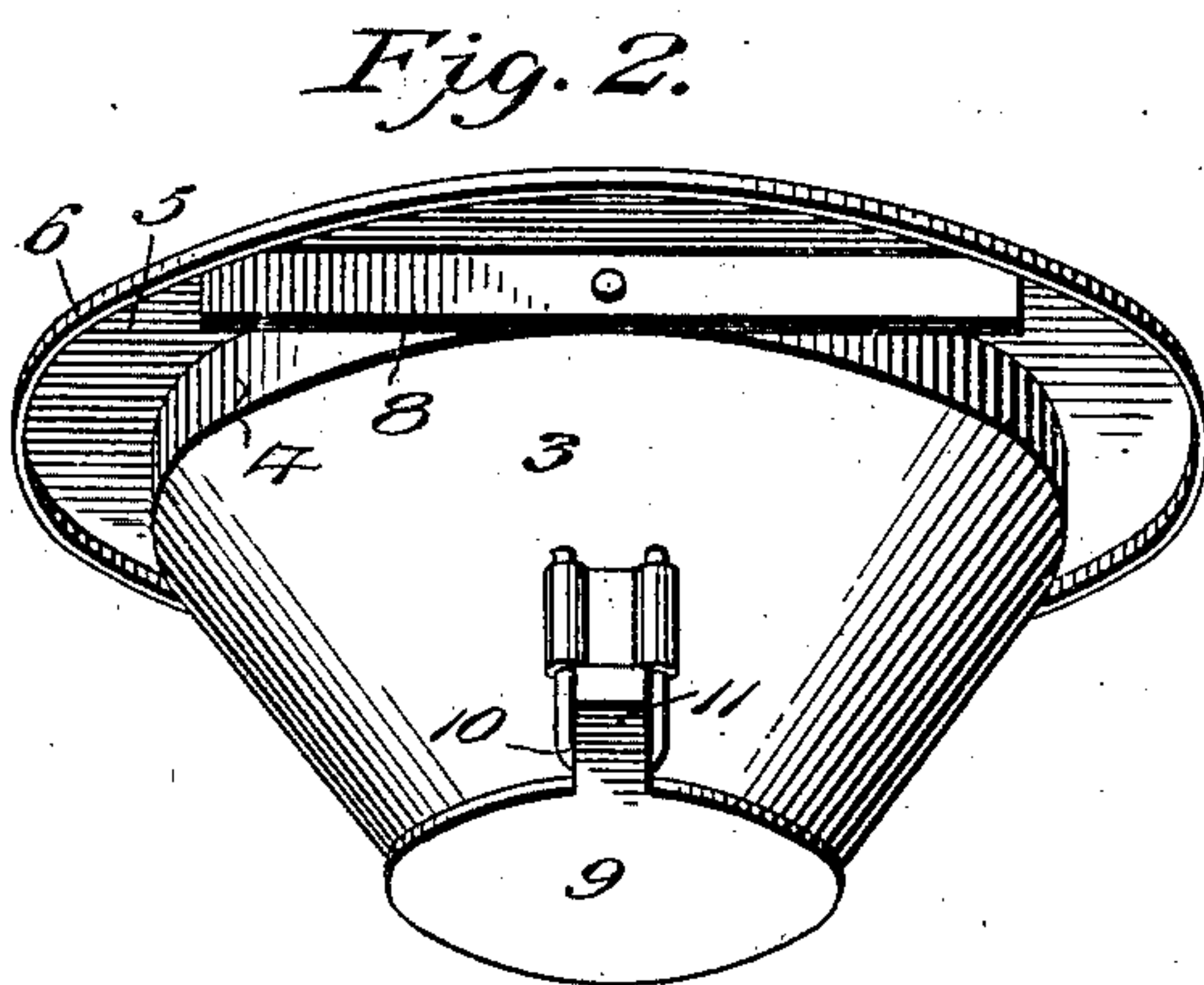
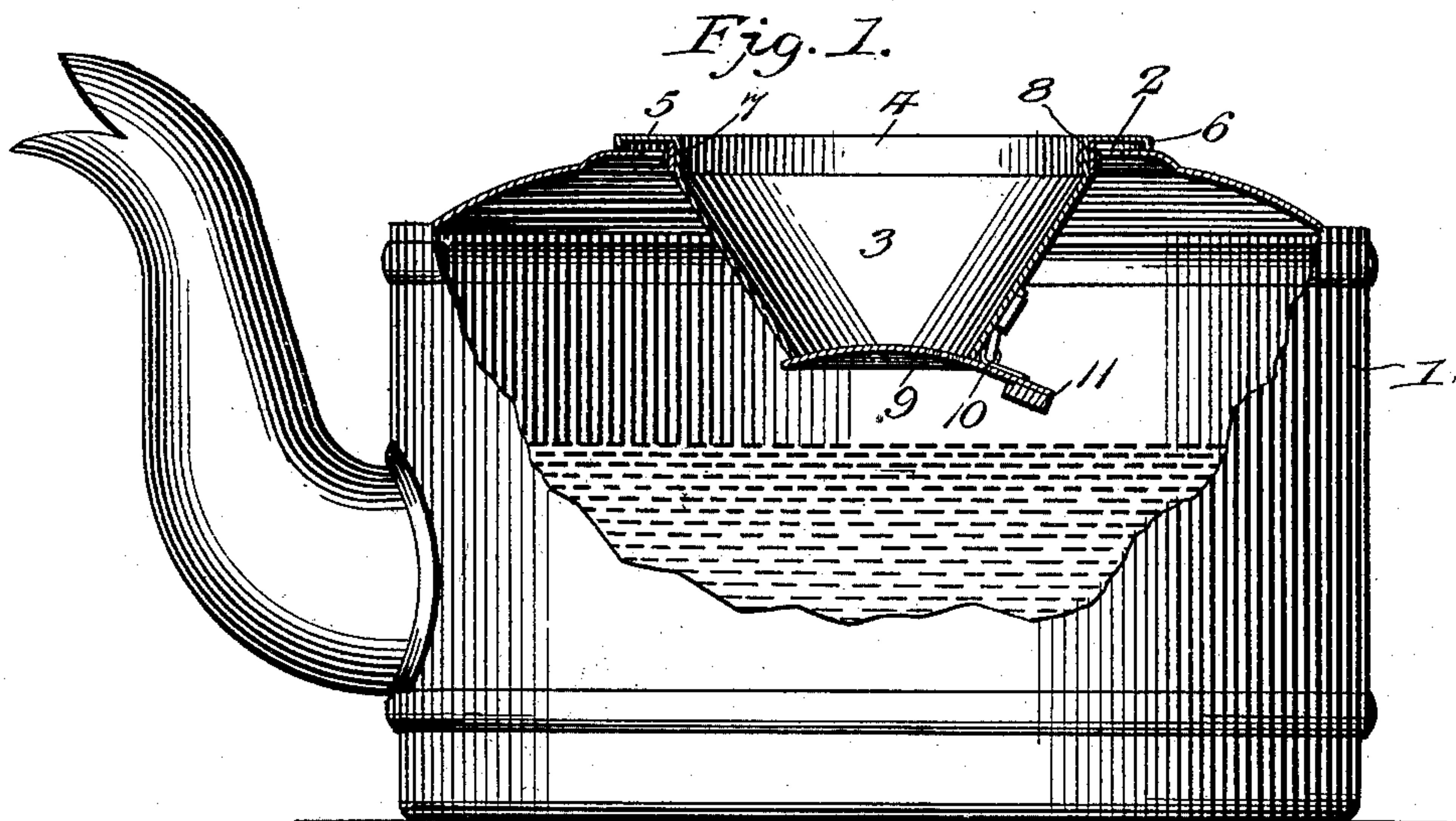
No. 722,082.

PATENTED MAR. 3, 1903.

G. C. BULGIN.  
KETTLE COVER.

APPLICATION FILED APR. 25, 1902.

NO MODEL.



Witnesses  
*Edwin G. McKee*  
*Chas. S. Hoyer.*

Inventor  
*George C. Bulgin*

By *Victor J. Evans*  
Attorney



# UNITED STATES PATENT OFFICE.

GEORGE C. BULGIN, OF NEWARK, NEW JERSEY.

## KETTLE-COVER.

SPECIFICATION forming part of Letters Patent No. 722,082, dated March 3, 1903.

Application filed April 25, 1902. Serial No. 104,623. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE C. BULGIN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented new and useful Improvements in Kettle-Covers, of which the following is a specification.

This invention relates to kettle-covers, and has for its object to provide a cheap, durable, and efficient fastening means for a cover, whereby the liability of the cover becoming displaced or detached from the kettle will be obviated.

Another object is to provide a cover which will normally prevent the displacement of the steam within the kettle, but which will permit of the introduction of water through an opening automatically closed by a hinged weighted closure.

With these objects in view the invention consists in certain novel parts and combinations of parts, all of which will be specifically described hereinafter, pointed out in the claims, and illustrated in the accompanying drawings, in which—

Figure 1 represents a side elevation of a kettle provided with a cover constructed in accordance with my invention, the kettle and cover being partly in section. Fig. 2 is a detail perspective view of the preferred form of cover. Fig. 3 is a cross-sectional view of the cover, and Fig. 4 is a vertical longitudinal sectional view of a slightly-modified form of cover.

Referring now to the drawings by numerals of reference, the numeral 1 designates a kettle of preferred construction provided with the usual top opening 2.

The cover comprises a hollow truncated conical body 3, provided with a vertical collar 4 at its top edge, from which projects a horizontal peripheral flange 5, having a downturned edge 6, which rests upon the top of the kettle 1 and surrounds the opening 2. Secured at points diametrically opposite each other and to the collar 4 are two flat springs 7 and 8, which are fastened to the collar 4 intermediate their ends, leaving their ends free. It will be noted that the springs 7 and 8 are arranged on a horizontal plane, so that their free ends bear against the edges of the opening 2, said springs being slightly bowed

for this purpose. By providing such a construction the tension of the springs will be sufficient to prevent any accidental displacement of the cover. The result obtained is partly due to the manner of mounting the spring and partly due to their position being interposed between the collar 4 and the edges of the opening 2.

At the lower or smaller end of the cover is the egress-opening, which permits of the discharge of the water which may be poured into the conical body of the cover, and this opening is normally closed by a weighted and hinged closure 9. When the water is poured into the conical-shaped portion of the cover, the weight thereof will be sufficient to open the closure downward; but as soon as a sufficient quantity has passed into the kettle to cause the closure on one side of the fulcrum-point 10 to be overcome by the counterbalancing-weight 11 on the other side of the fulcrum-point the closure will automatically close.

In Fig. 4 the modified form is shown as of substantially the same form as illustrated in Figs. 1 to 3, except that instead of the conical portion of the cover I provide a depending inclined bottom 12, extending from one side of the collar 4, which projects beyond the other side, which is formed with an inwardly-extending wall 13, which is shorter than the bottom 12. On the end of the wall 13 is hinged a gate 14, which is normally held closed by its own weight.

It will be understood from the foregoing description that I do not limit myself to the exact details of construction shown, but reserve the right to make such changes and alterations as might suggest themselves from time to time without departing from the principle or sacrificing any of the advantages of the invention.

I claim—

1. An article of manufacture comprising a kettle-cover having a collar provided with a depending body portion, a ring secured to and extending horizontally from the collar and provided with a vertical flange, and a straight flat spring having its central portion secured to the collar and provided with oppositely-extended arms, the terminal ends of which are adapted to be sprung against the inner

surface of the opening at the top of a kettle, substantially as specified.

2. In a kettle, the combination with a body portion provided with an opening in its top,  
5 of a cover having its body portion extending down into the kettle and provided with a collar on its upper edge having a ring connected thereto and extending horizontally from and around the collar and provided with a vertical  
10 flange to engage the outer surface of the opening in the top of the kettle, of the flat springs secured diametrically opposite each other at their central portions to the collar

and having opposite-extended lateral arms, the terminal ends of which are adapted to be  
15 sprung against the inner surface of said opening of the kettle to hold the cover in normal position within said opening, substantially as specified.

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

GEO. C. BULGIN.

Witnesses:

CHAS. A. TERRY,  
J. C. WILSON.