No. 702,055. Patented June 10, 1902.

L. GILLERAN.

KETTLE.

(Application filed Mar. 17, 1902.)

(No Model.)

Fig. 1.

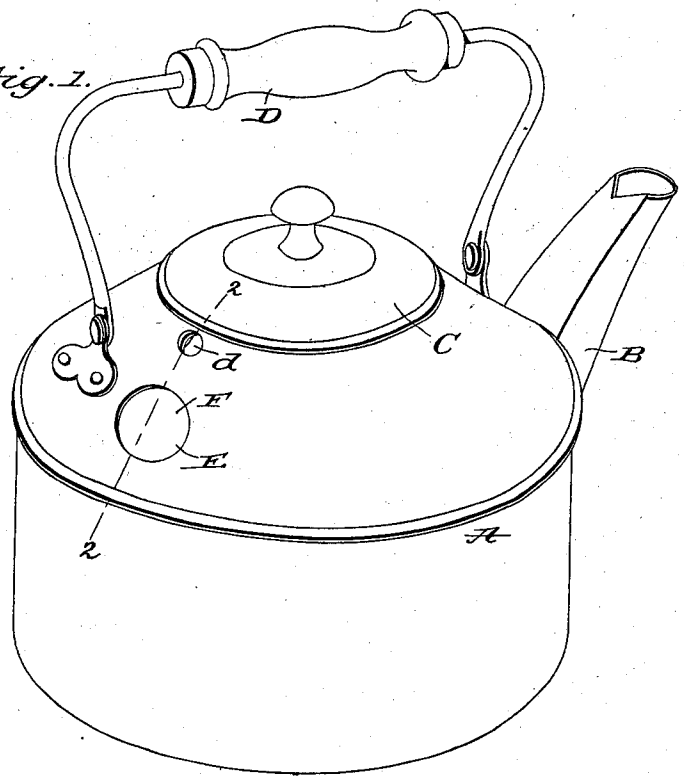


Fig. 2.

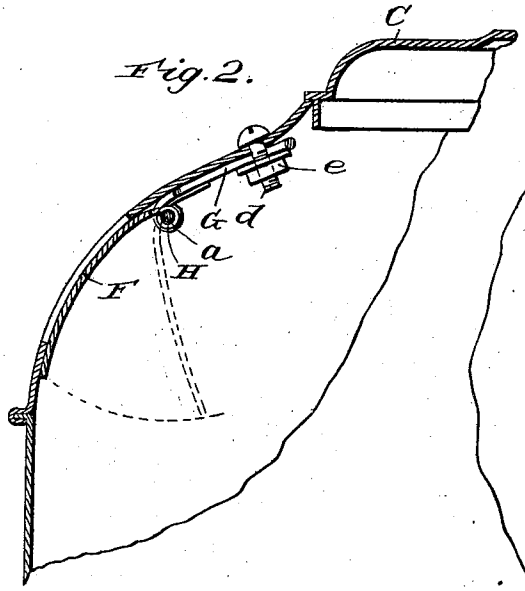
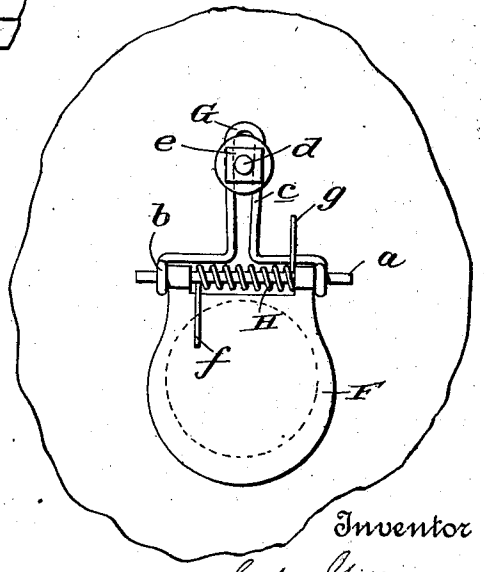


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

LUKE GILLERAN, OF WOONSOCKET, RHODE ISLAND.

KETTLE.

SPECIFICATION forming part of Letters Patent No. 702,055, dated June 10, 1902.

Application filed March 17, 1902. Serial No. 98,602. (No model.)

To all whom it may concern:

Be it known that I, LUKE GILLERAN, a citizen of the United States, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Kettles, of which the following is a specification.

My invention relates to improvements in tea-kettles and other devices in which water is boiled; and it has for its general object to provide in a tea-kettle or analogous device means whereby the kettle or other device may be readily filled with water while held in the hand without liability of the hand being scalded by steam from the kettle.

With the foregoing in mind the invention will be fully understood from the following description and claims when taken in conjunction with the accompanying drawings, in which—

Figure 1 is a perspective view of a tea-kettle constituting one embodiment of my invention; Fig. 2, an enlarged detail section taken in the plane indicated by the broken line 2 2 of Fig. 1, and Fig. 3 a detail inverted plan of the valve forming part of my improvements and its appurtenances.

Similar letters of reference designate corresponding parts in all of the views of the drawings.

The kettle preferably comprises the usual body A, spout B, cover C, and handle D and is peculiar in that it has an opening E of a shape and size to snugly receive the mouth of an ordinary kitchen-faucet and a valve F for normally closing said opening. I prefer to form the opening E in the body A and to connect the valve to said body A; also, to dispose the opening in the upper portion of the body at the point shown—*i. e.*, at one side of the handle and at an opposite point with reference to the spout B.

The valve F is pivoted on a pin *a* within the kettle and is shaped in conformity to the wall of the kettle-body. The pin *a* is mounted in eyes *b* at the ends of a holder G, which, in addition to the eyes, is provided with a loop *c* and is connected to the wall of the kettle-body by a bolt *d*, passed through said loop and wall and equipped with a nut *e*.

H is a spring which has for its purpose to close the valve subsequent to the disengagement of the kettle from a faucet and normally keep the valve closed. Said spring is coiled about the pin *a* and has an arm *f* disposed below the valve F and another arm *g* disposed below the wall of the body.

By virtue of the construction described it will be observed that the valve F will normally be held against the inner side of the wall of the kettle-body, and hence will normally close the opening E; also, that when the kettle is held up to a faucet, so that the discharge end of the faucet enters the opening E, the valve will be opened, as shown by dotted lines in Fig. 2, by the faucet and water permitted to freely pass from the faucet into the kettle. The occupation of the opening E, by the discharge portion of the faucet and the prompt closing of the opening by the spring-pressed valve F as the kettle is disengaged from the faucet will obviously prevent steam escaping from the kettle and scalding the hand which grasps the handle D, which is an important desideratum.

It will be appreciated from the foregoing that my improvements are very simple and are susceptible of ready application to kettles at present in use, as well as embodiment in new kettles; also, that the improvements render it unnecessary to set a hot kettle in a wet sink and remove the cover incident to filling the kettle with water, which is the practice now in vogue and objectionable for obvious reasons.

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

The combination of a kettle having an opening of a size to snugly receive the discharge portion of a faucet, the holder G provided with the eyes *b* and loop *c* and arranged within the kettle, a bolt extending through said loop *c* of the holder and a wall of the kettle and fixing the holder in position, a pin arranged in the eyes of the holder, a valve pivoted on the pin and arranged to close the said opening, and a spring coiled on the pin, and having one arm bearing against the kettle; and another arm bearing against the inner side of the valve.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

LUKE GILLERAN.

Witnesses:
GEO. W. SPAULDING,
EDGAR L. SPAULDING.