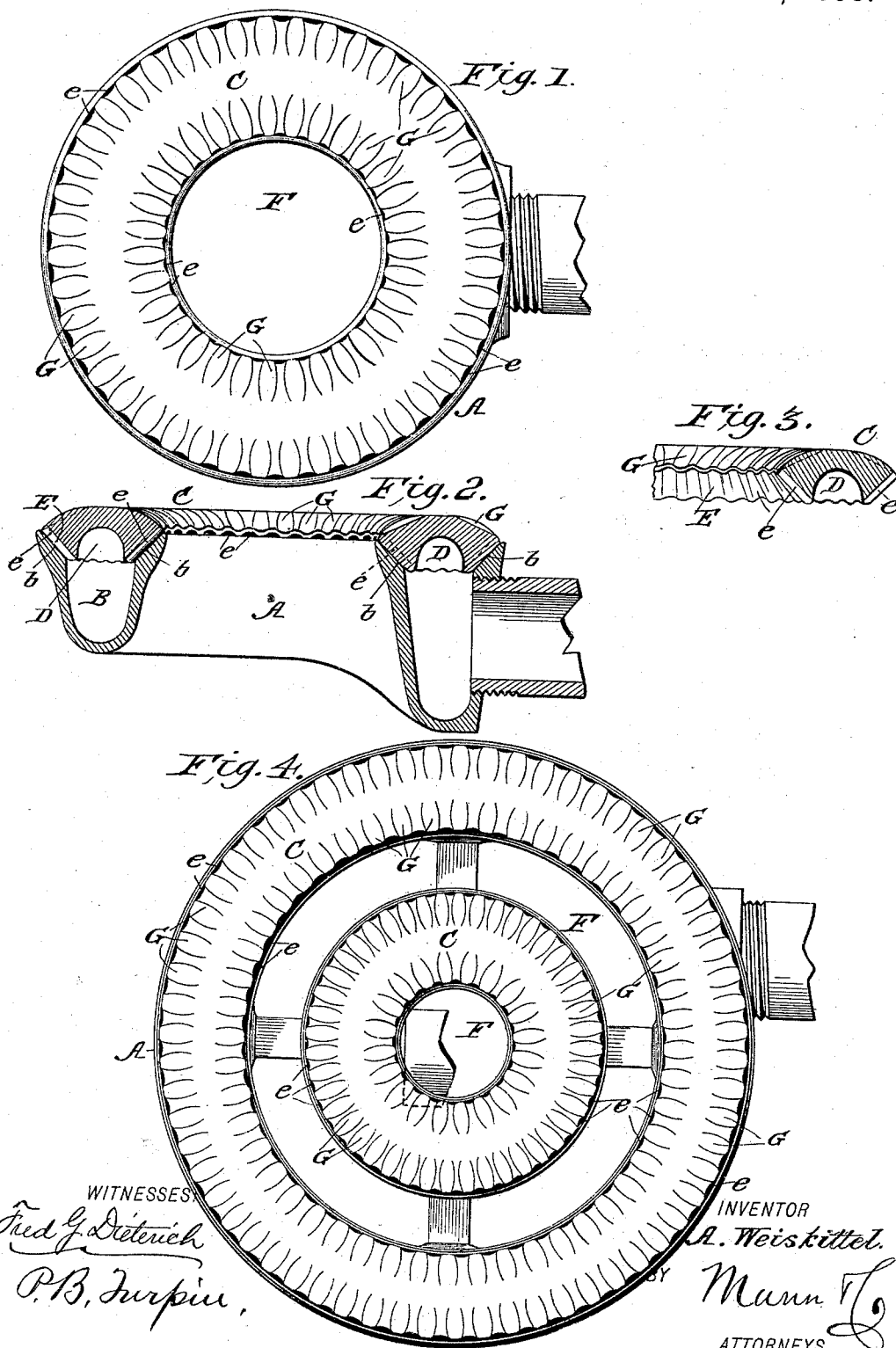


(No Model.)

A. WEISKITTEL.
BURNER FOR GAS STOVES.

No. 499,069.

Patented June 6, 1893.



WITNESSES
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ANTON WEISKITTEL, OF BALTIMORE, MARYLAND.

BURNER FOR GAS-STOVES.

SPECIFICATION forming part of Letters Patent No. 499,069, dated June 6, 1893.

Application filed September 27, 1892. Serial No. 447,067. (No model.)

To all whom it may concern:

Be it known that I, ANTON WEISKITTEL, of Baltimore city, in the State of Maryland, have invented a new and useful Improvement in Burners for Gas-Stoves, of which the following is a specification.

My invention is an improved burner for gas stoves and consists in the special construction and combinations of parts hereinafter described and pointed out in the claim.

In the drawings—Figure 1 is a plan view of a burner constructed according to my invention. Fig. 2 is a cross section thereof. Fig. 3 is a detail sectional view of the top plate and Fig. 4 is a plan view of a double burner embodying my improvements.

The improvement comprises the base or frame section A having the annular cup or receiving chamber B the inner upper faces of both the outer and inner walls whereof are beveled at *b* forming together a conical seat as is best shown in Fig. 2. It will be seen that these beveled faces *b b* are opposite each other and flare in reverse directions. The top C has its upper face made rounded or convex and its under face is grooved or channeled centrally at D such channel serving to enlarge the capacity of the gas receiver when the top is in place. This top C like the cup is an annulus and its opposite edges on its under side are beveled inwardly at E from top to bottom to correspond with and fit the beveled faces *b* of the cup. By beveling both the inner and outer faces at E and the cup face at *b* the annular top C may be seated therein by its own gravity. In this connection it will be seen that the inner beveled faces *b E* serve an important function as in addition to firmly supporting the top at such point they operate to prevent the displacement of the top by any slight shock or jar upon its outer edge. The

beveled faces E E are provided with the radial grooves *e e* extending from their inner to their outer edges and forming the gas exits or discharge ports, the air being supplied to the inner ports to support combustion by the central opening F. The upper side of the top C is rounded from side to side and is provided with radial grooves G running to its outer and inner edges and alternating with the grooves *e* in the beveled faces E. These grooves G serve to conduct off any liquid that may be spilled upon the top and prevent the same from passing into the cup or receiving chamber of the burner. It will be seen that the top is simply held in place by its gravity and the fitting as described to the cup. This it will be seen dispenses with all separate fastening devices and permits convenient access to every part to enable the perfect cleansing of every part of the burner.

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

The improved gas burner herein described consisting of the annular cup or receiver having the open central air space and provided at the upper edges of the inner sides of its walls with the outwardly flaring beveled surfaces forming a concave seat, and the annular top provided on its under side at its edges with the inwardly tapering beveled surfaces fitted to the beveled bearings of the cup, having such beveled surfaces of the top provided with radial grooves and having upon its upper sides radial grooves running to its edges and arranged alternately with the grooves in its under side all substantially as set forth.

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Witnesses:

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