(No Model.)

C. W. McCUTCHEN.

GAS STOVE.

No. 444,056. Patented Jan. 6, 1891.

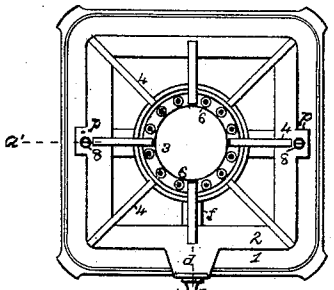


Fig. I

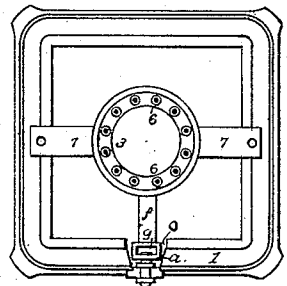


Fig. II

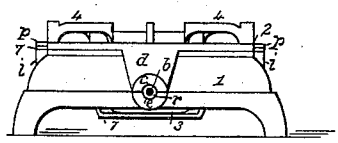


Fig. III

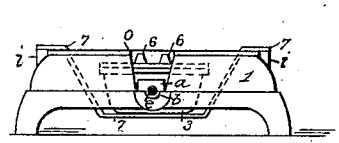


Fig IV

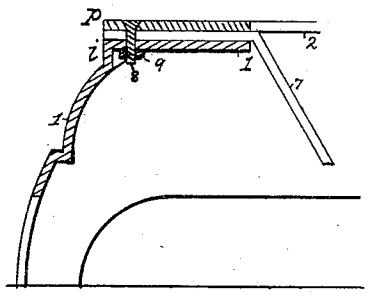


Fig. V

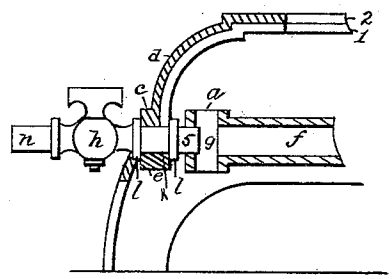


Fig VI

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UNITED STATES PATENT OFFICE.

CHARLES W. McCUTCHEN, OF PEEKSKILL, NEW YORK.

GAS-STOVE.

SPECIFICATION forming part of Letters Patent No. 444,056, dated January 6, 1891.

Application filed September 12, 1889. Serial No. 323,796. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. McCUTCHEN, a citizen of the United States, residing at Peekskill, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Gas-Stoves; 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.

My invention relates to the manner of connecting the gas-tubes to a burner in a gas-stove, and has for its object the simplification and cheapening of the construction of such stoves. The object is accomplished by the means set forth in the accompanying drawings, which form a part of this specification.

In the said drawings like letters and numerals refer to like parts throughout the several views.

Figure I is a top view of my stove. Fig. II is a similar view with the top plate removed. Fig. III is a front elevation of the stove, and Fig. IV is a similar view with the top plate removed. Fig. V is a vertical cross-section through line a', Fig. I, and Fig. VI is a vertical cross-section through line a^2, Fig. I.

By reference to Figs. I and II it will be seen that the stove consists of a base 1, a top 2, a burner 3, with supporting-arms 7, and a gas-cock h, and that these several parts are all held together by the bolts 8 8.

Fig. IV shows the construction of the base 1. On one side a notch o is made, in the bottom of which is a half-bearing c to receive the gas-cock. The burner 3 has supporting-arms 7 7, which rest on seats i, made for them on opposite sides of the base, as shown. It is provided also with an inlet-tube f, Fig. II, having a rectangular terminal a, with a vertical slot g through it. The outer face of this terminal is perforated with a hole b, that is coincident with the gas-cock bearing in the base when the burner is in its place, as shown in Figs. III and IV.

The top plate 2 is provided with raised bars 4 for the reception of cooking utensils, with lugs $p\ p$ for the screw-fastening, and with a depending projection d on its front side. This projection, as shown in Fig. III, covers the opening o in the base, and its lower end completes the bearing for the gas-cock.

Fig. VI is an enlarged sectional view showing the relative positions of the base, top, and extension d, burner-tube f, and gas-cock h. The gas-cock is provided with collars $l\ l$ and a nozzle 5, the latter entering the terminal a of the gas-tube. The old practice is to thread this nozzle and screw it into the head a; but it is obvious from my construction shown in this figure that the gas-cock is held firmly in place by the clamping together of the plates 1 2, aided by the collars $l\ l$, so that I dispense with the screw-threads and insert the plain nozzle into a hole in the head a, provided in casting the burner. The nozzle n of the gas-cock is adapted to hold a rubber gas-supply tube.

Fig. V is an enlarged sectional view through line a', Fig. I, showing the union of the base 1, burner-supports 7, and top 2, the three being secured, as shown, by the bolt 8.

As all the holes in the burner-tube and the screw-holes in the several parts are provided in the casting of the parts, no drilling is required, and the stoves are mounted with the least possible expenditure of time and labor.

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

1. The combination, in a gas-stove, of a gas-burner, with its supporting-bridge and supply-tube, the top and bottom plates of a gas-stove, and a gas-supply cock having an unthreaded nozzle projecting into the burner-supply tube, the cock having a bearing-surface to fit a space made for it when the top and bottom plates are joined together in the manner shown, all the parts being firmly held together when the top and bottom plate fastenings are in place, substantially as herein shown and described.

2. In a gas-stove, the combination, with the top plate 2 and bottom plate 1, forming when joined a space to receive the part k, of a gas-cock h, the burner and its supply-tube f, the gas-cock h, having a flanged stem to be clamped by the top and bottom plates, and an unthreaded nozzle 5, projecting into the part a of the tube f, substantially as herein shown and described.

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

CHARLES W. McCUTCHEN.

Witnesses:

HENRY S. FREE,

GEO. E. CARPENTER.