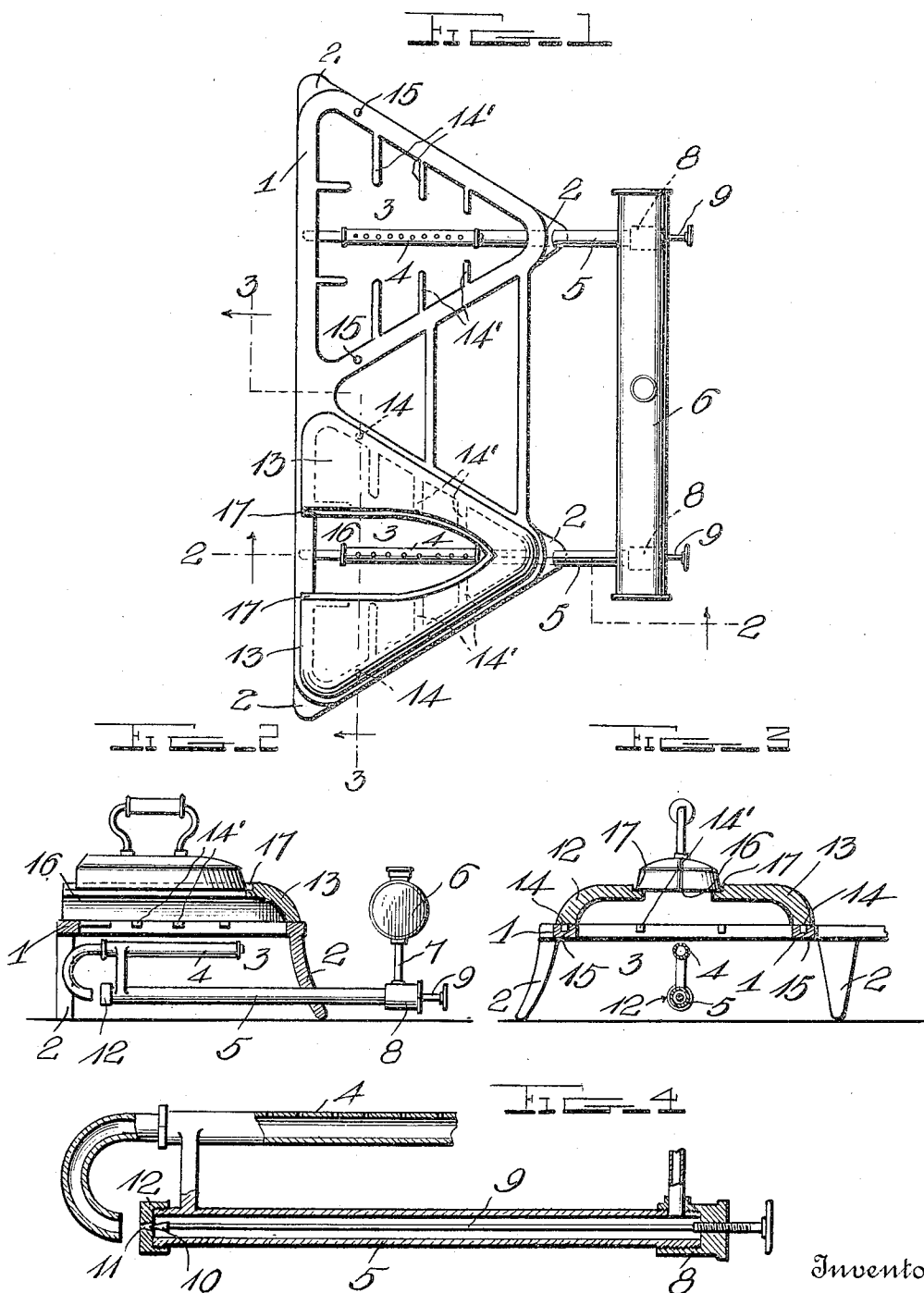


E. C. THOMPSON.
 PORTABLE IRON HEATER.
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942,422.

Patented Dec. 7, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWIN C. THOMPSON, OF LONG BRANCH, NEW JERSEY.

PORTABLE IRON-HEATER.

942,422.

Specification of Letters Patent.

Patented Dec. 7, 1909.

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To all whom it may concern:

Be it known that I, EDWIN C. THOMPSON, a citizen of the United States, residing at Long Branch, in the county of Monmouth and State of New Jersey, have invented certain new and useful Improvements in Portable Iron-Heaters; and I do 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.

This invention relates to a portable iron heater, and has for its object to provide a simple and economical device of this kind which may be used for heating an iron or irons and which may be placed on a table or other object, thus obviating the necessity of working over a hot stove and walking back and forth to the stove to heat the iron. By means of my device, the irons may also be heated at a less expense, as gasolene is used which is less costly than gas heat.

With these and other objects in view, the invention consists of certain novel features of construction, combination and arrangement of parts, as will be more fully described and particularly pointed out in the appended claims.

In the accompanying drawings: Figure 1, is a plan view of a portable heater embodying my improvements with one of the cover plates removed; and, Fig. 2 is a vertical transverse section taken on line 2—2 of Fig. 1; Fig. 3 is a longitudinal section taken on line 3—3 of Fig. 1; and Fig. 4 is a fragmentary sectional view of one of the burners.

Referring to the drawings for a more particular description of the invention, the device comprises a frame 1, which is mounted upon the supporting legs 2, and which is provided at opposite ends with the burner compartments 3, in which the burners 4, are arranged. These burners are supplied with fuel by means of the supply pipes 5, which lead to the gasolene tank or reservoir 6, which is supported at an elevation upon the upright pipe sections 7, which are connected with the inner ends of the supply pipes 5. The flow of the gasolene from the tank 6, is controlled by manually operated valves consisting of longitudinal valve rods or stems 9, which extend through the pipes 5, and are provided at their outer ends with the reduced cut-off extensions 10, which are adapted to pass through corresponding oil discharge ports 11, in closure caps 12, screw-

ing on the outer end of the tubes 5, and cut off the supply of the oil to the burners. The front or outer ends of the burners 4, are curved inwardly and downwardly and terminate in alinement and spaced relation with the outer ends of the tubes 5, whereby a liberal supply of air is allowed to mix with the oil before passing into the curved inner ends of the burners 4, which greatly enhances combustion.

Cover plates 13, are removably mounted over the respective burner compartments by inserting the pins 14, thereof in the vertical sockets 15, formed in the upper edges of the walls of the compartments. Each cover is open or cut away at its center, as at 16, so that the heat may come in direct contact with the bottom of the iron while the walls of the cut-away portion are recessed as at 17, to receive the edges of the iron. If desired, the heater may be used for cooking purposes by removing the covers and placing the cooking utensils on the inwardly projecting fingers 14', formed at the upper edges of the walls of the burner compartments.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described my invention, what I claim is:—

1. A portable heater of the class described comprising a supporting frame provided at opposite ends with burner compartments and in its upper edge with vertical sockets, horizontal burners extending through said compartments, a gasolene tank arranged at an elevation at one side of the frame, supply pipes communicating with said tank and adapted to feed the gasolene to the burners, valves for cutting off the supply of gasolene, and iron supporting plates having depending pins adapted to seat in the sockets of the burner compartments when arranged in position.

2. A portable heater of the class described comprising a supporting frame provided at opposite ends with triangular-shaped burner compartments having vertical sockets formed

in the upper edges of their walls, supporting fingers projecting inwardly into said compartments, a gasoline tank arranged at an elevation at one side of the device, horizontal feed pipes extending longitudinally through the burner compartments, vertical pipes connected with the rear ends of the feed pipes and supporting the tank, removable iron supporting plates having depending pins to seat in said sockets, and central

openings having their walls recessed to receive the edges of the irons.

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

EDWIN C. THOMPSON.

Witnesses:

BASIL B. BRUNO,

WILLIAM M. SLOCUM.