

No. 797,261.

PATENTED AUG. 15, 1905.

B. BRYAN.
SAD IRON HEATER.
APPLICATION FILED SEPT. 23, 1904.

Fig. I.

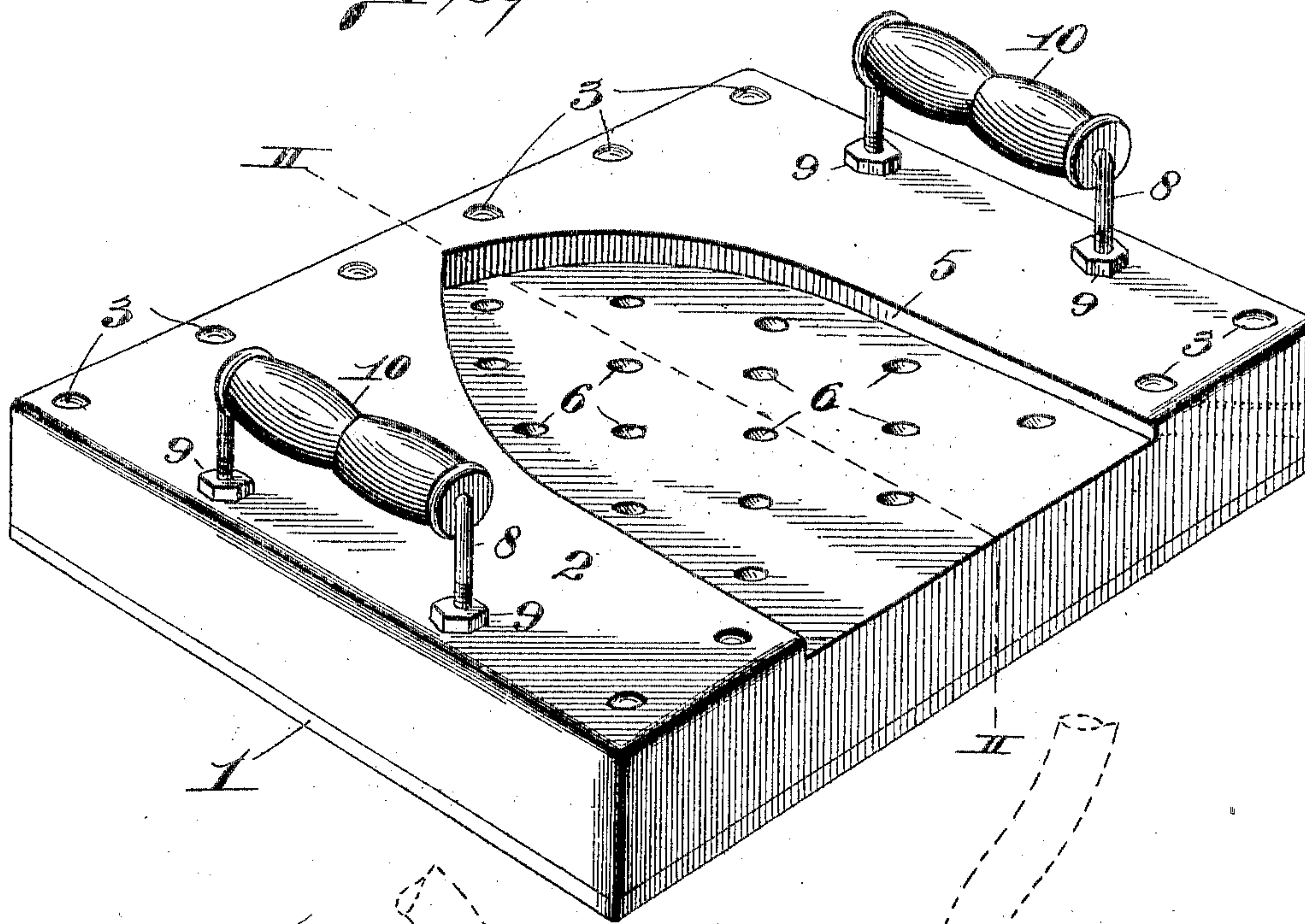
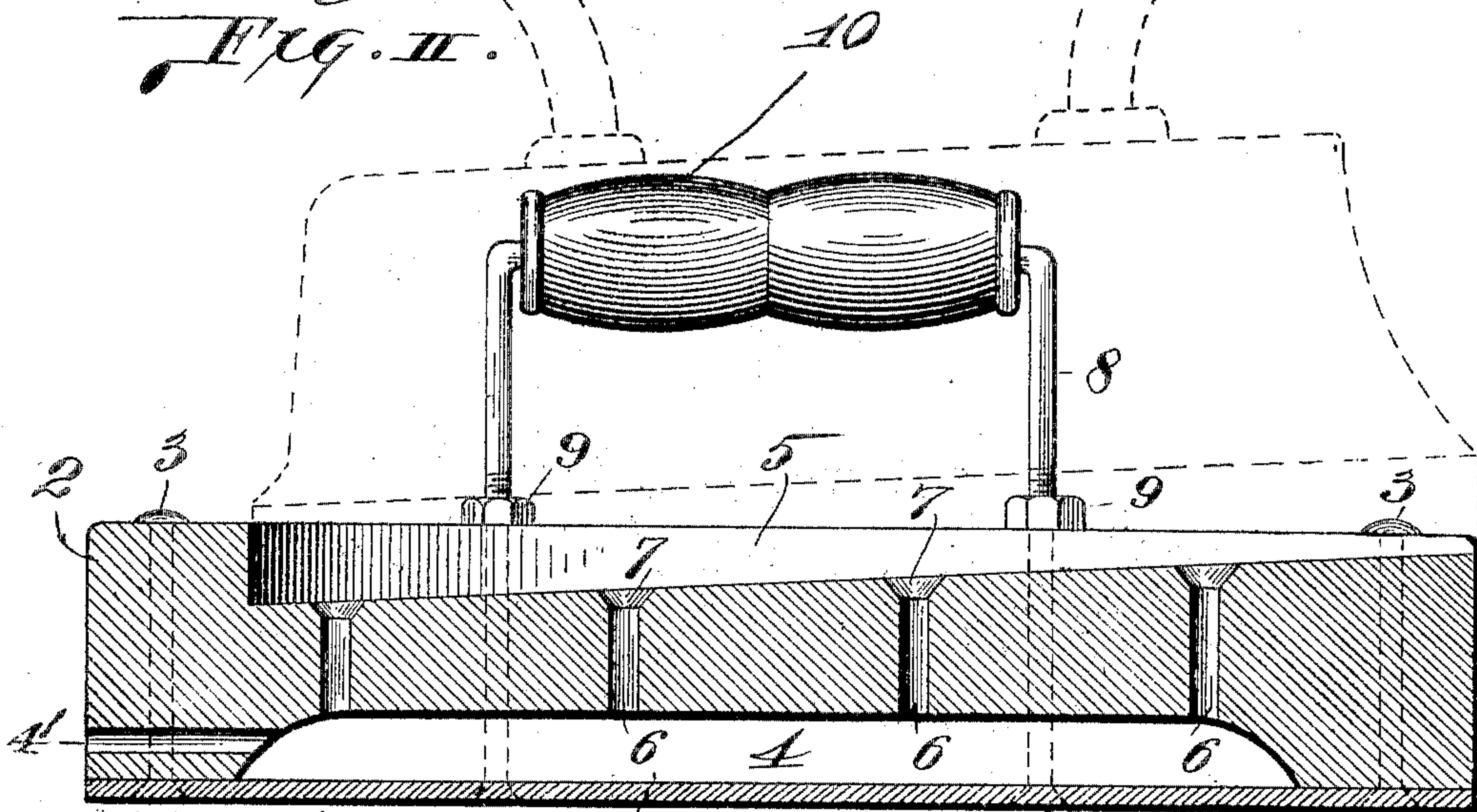


Fig. II.



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BERNARD BRYAN, OF ST. LOUIS, MISSOURI.

SAD-IRON HEATER.

No. 797,261.

Specification of Letters Patent.

Patented Aug. 15, 1905.

Application filed September 23, 1904. Serial No. 225,566.

To all whom it may concern:

Be it known that I, BERNARD BRYAN, a citizen of the United States, residing in the city of St. Louis, in the State of Missouri, have invented certain new and useful Improvements in Sad-Iron Heaters, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in sad-iron heaters suitable for use upon an ordinary cooking stove or range or upon a gas, gasolene, or other oil stove.

Figure I is a perspective view of my heater. Fig. II is an enlarged cross-section taken on line II II, Fig. I.

1 designates the base of the heater, which is in the form of a metal plate.

2 is a stone block, preferably soapstone, seated on the base 1 and united thereto by a plurality of rivets or bolts 3 passing vertically through said members. The under side of the stone block is recessed to provide a chamber 4, located between the base and block, as seen in Fig. II. The upper side of the stone block is provided with a recess to furnish a seat 5 for the sad-iron, the recess being preferably inclined inwardly and downwardly from its outer end. In the block 2 at the location of the sad-iron seat are a plurality of ducts 6, that provide for the rise of heated air from the chamber 4 through the block 2, the ducts being preferably enlarged at their upper ends, as seen at 7, to permit of the heated air as it escapes from the ducts spreading outwardly. Air is constantly supplied to the chamber 4 through ducts 4'. It is to be understood that when a sad-iron is not resting upon the block 2 air will constantly enter the chamber 4 beneath said block through the ducts 4' and will circulate from said chamber in an upward direction through the ducts 6 in a heated condition to assist in the heating of said block.

8 designates handle-yokes the arms of which pass vertically through the stone block 2 and the base beneath it and are secured to said base, the yoke-arms having thereon nuts 9, that bear against the top side of the stone block to steady the upper portions of the yoke-arms.

10 designates handles on the yokes 8.

In the practical use of my heater it is placed on an ordinary stove or over the burner of a gas or oil stove. The base 1 becomes heated, and heat is communicated therefrom to the stone block 2. The heat received by the base is radiated into the chamber 4, and the heated air therein rises through the air-ducts 6 to rapidly and efficiently heat the stone block, and when a sad-iron is placed on the block it will be quickly heated by the radiation from the block.

While I have shown but a single iron-seat in the heater herein illustrated and described, it is obvious that the heater may be made of any desired dimensions and that any number of such iron-seats may be provided to accommodate a corresponding number of irons, so that all may be heated simultaneously.

I claim as my invention—

1. A sad-iron heater comprising a base-plate, and a stone block surmounting said base-plate and provided with a recess at its under side to furnish a chamber between the base-plate and block; said block being provided with air-ducts leading from said chamber to the upper side of the block, substantially as set forth.

2. A sad-iron heater comprising a base-plate, and a stone block surmounting said base-plate and provided with a recess at its under side to furnish a chamber between the base-plate and block; said block being provided with air-ducts having enlarged upper ends and leading from the chamber to the upper side of the block, substantially as set forth.

3. In a sad-iron heater, the combination of a base-plate, a stone block surmounting said base-plate and recessed at its under side to provide a chamber between said plate and block; said block being provided with air-ducts leading from said chamber to the upper side of the block and the block being recessed at its upper side to provide a sad-iron seat into which said air-ducts communicate, substantially as set forth.

BERNARD BRYAN.

In presence of—

NELLIE V. ALEXANDER,
BLANCHE HOGAN.