

J. M. De LACY,

Steam Heater.

No. 100,017.

Patented Feb. 22, 1870.

Fig. 1

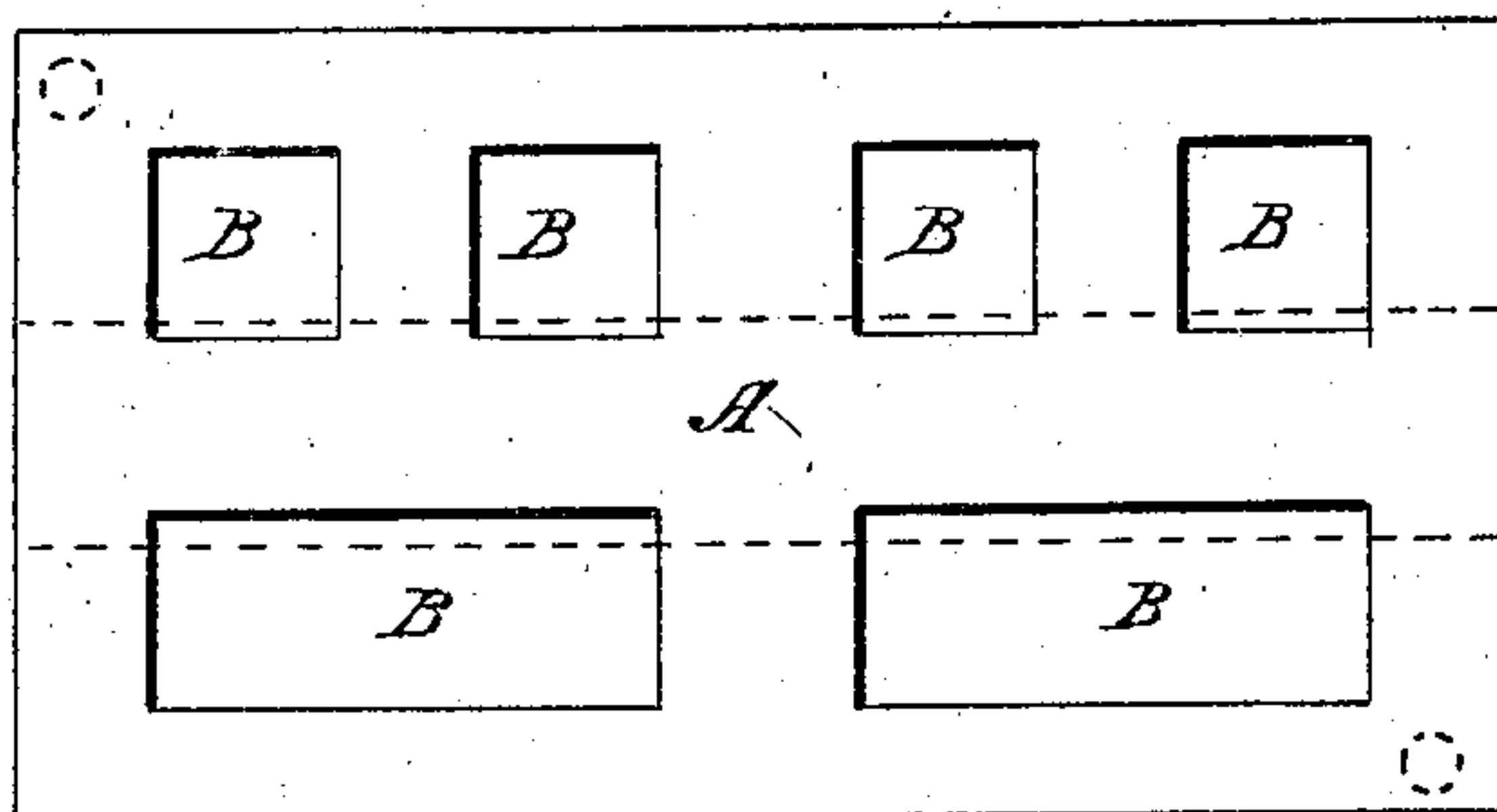
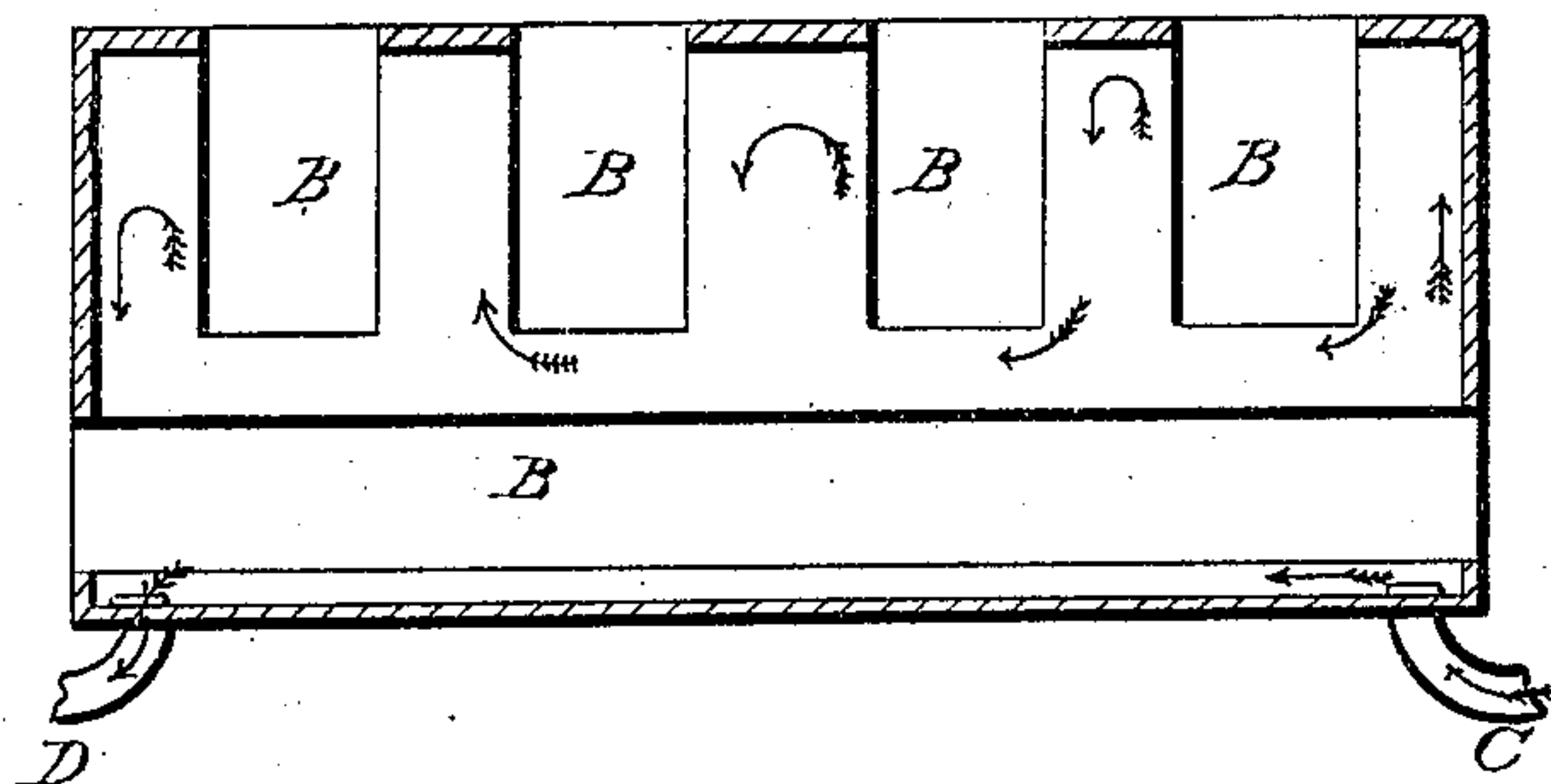


Fig. 2



witnesses

Gerry E. Taylor
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JOSEPH M. DE LACY, OF TRENTON, NEW JERSEY.

Letters Patent No. 100,017, dated February 22, 1870.

STEAM-HEATER FOR BURNISHING-IRONS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, JOSEPH M. DE LACY, of the city of Trenton, county of Mercer, and State of New Jersey, have invented, made, and applied to use, a new and useful Mode of Heating Burnishing-Irons, to be applied to and used in connection with shoe manufacturing; and I do declare the following to be a full, clear, and a correct description of my invention, reference being had to the accompanying drawings making a part of this specification and to the letters of reference, in which—

Figure 1 is a top view of my heater.

Figure 2 is a side sectional view of same.

In drawings—

Like parts of the invention are pointed out by the same letters of reference.

The nature of the present invention consists in providing a vessel so constructed to receive the irons, the said vessel to be supplied with steam, either common or superheated, by which the irons are heated by radiation to the required temperature, and its value will be appreciated more particularly in shoe manufacturing where steam is used as a motive power.

To enable those skilled in the arts to make and use my invention, I will describe the construction and operation of the same.

A shows a box or steam vessel.

B B B B B, recesses in box or steam vessel, in which the burnishing-irons are placed to be heated.

C, the opening through which the steam is supplied to the box.

D, the opening through which the condensed steam is allowed to escape.

Such being the construction, the operation is as follows:

The burnishing-irons being placed in any or all apertures B B B B B, steam being admitted through the opening C, the box becomes heated, and by radiation, it heats the irons. I believe that the introduction of some metal or alloy of metals that would maintain a liquid form at a low temperature would

expedite the heating of the irons by placing it in the openings B B B B B, by which the iron would be kept in direct contact with the heating-surface of the box.

The ordinary mode of heating irons by gas or lamps, often results in fires in buildings in which they are used. Other objections attend this mode, such as destroying the smooth surface of the irons. Other objections are the blacking of the irons by smoke arising from the use of gas or oil, and loss of time required to keep the lamps in proper order, the cost of gas, oil, and lamps.

My invention removes all the above objections, and gives safety from fire at a trifling expense after once erected, no smoke or dirt, and also gives the irons a more regular and uniform temperature.

Should it be found necessary to have the irons heated above a temperature that common steam, with a safe pressure, would give, superheated steam could be introduced to give any desired temperature required. But in most every case, nothing more is required than common steam, yet the superheated steam will more readily heat the irons.

I am well aware that the form of heater may be varied without changing the nature of my invention, which, as already set forth, consists in a box or vessel in which steam is passed, for the purpose of heating burnishing-irons, and consequently, I do not wish to be understood as intending to claim any peculiar construction of heater.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The device herein described, for heating sad-irons by steam, consisting, essentially, of the box A, provided with recesses B B, inlet and outlet-passages C D, the whole constructed and arranged substantially as and for the purposes set forth.

JOS. M. DE LACY.

Witnesses:

J. VANCE POWERS,
WM. H. BURBANK.