

(No Model.)

J. A. & A. L. GRAHAM & E. C. RANSCH.

COMBINED REGISTER AND OTTOMAN.

No. 254,867.

Patented Mar. 14, 1882.

Fig. 1.

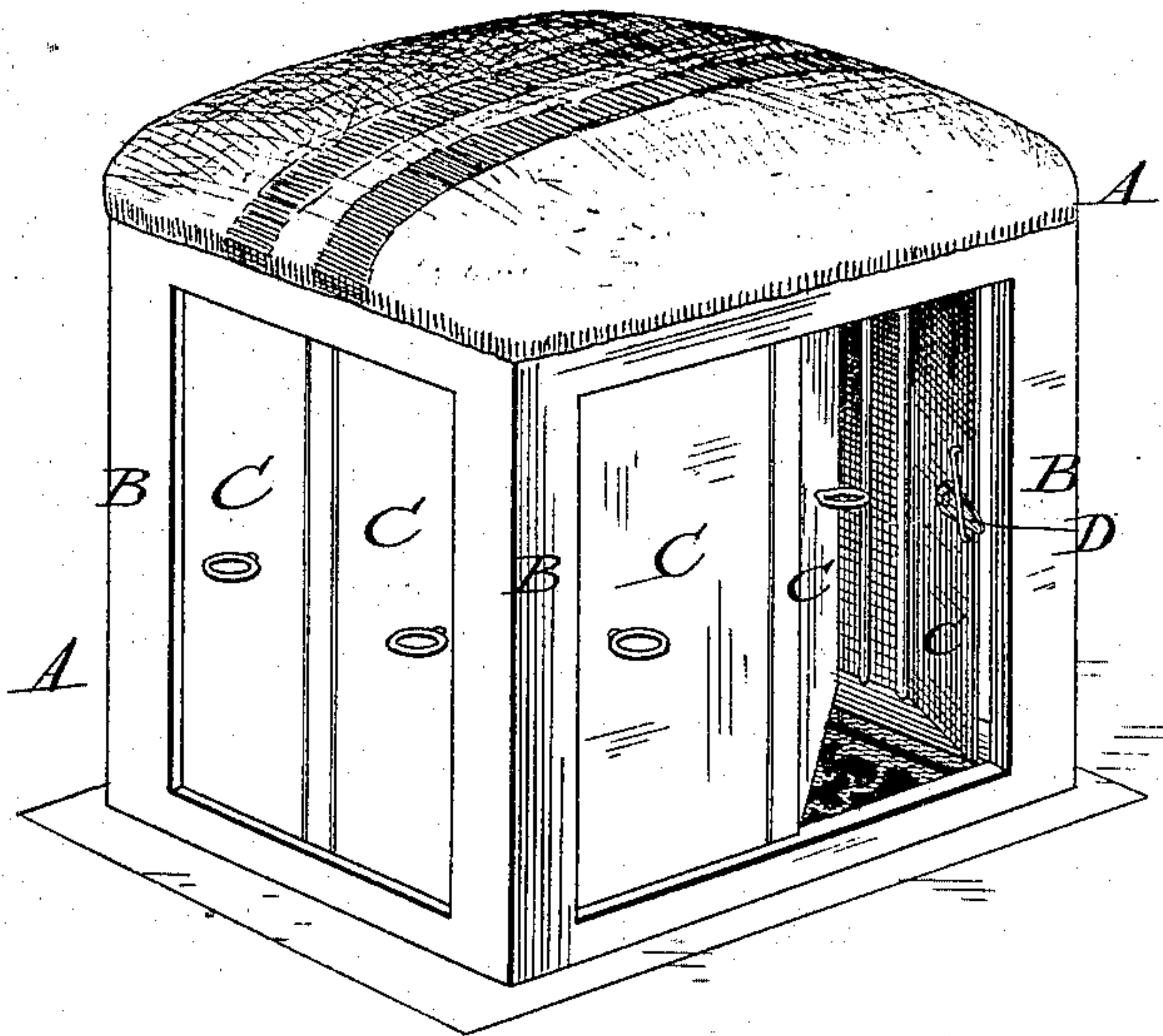
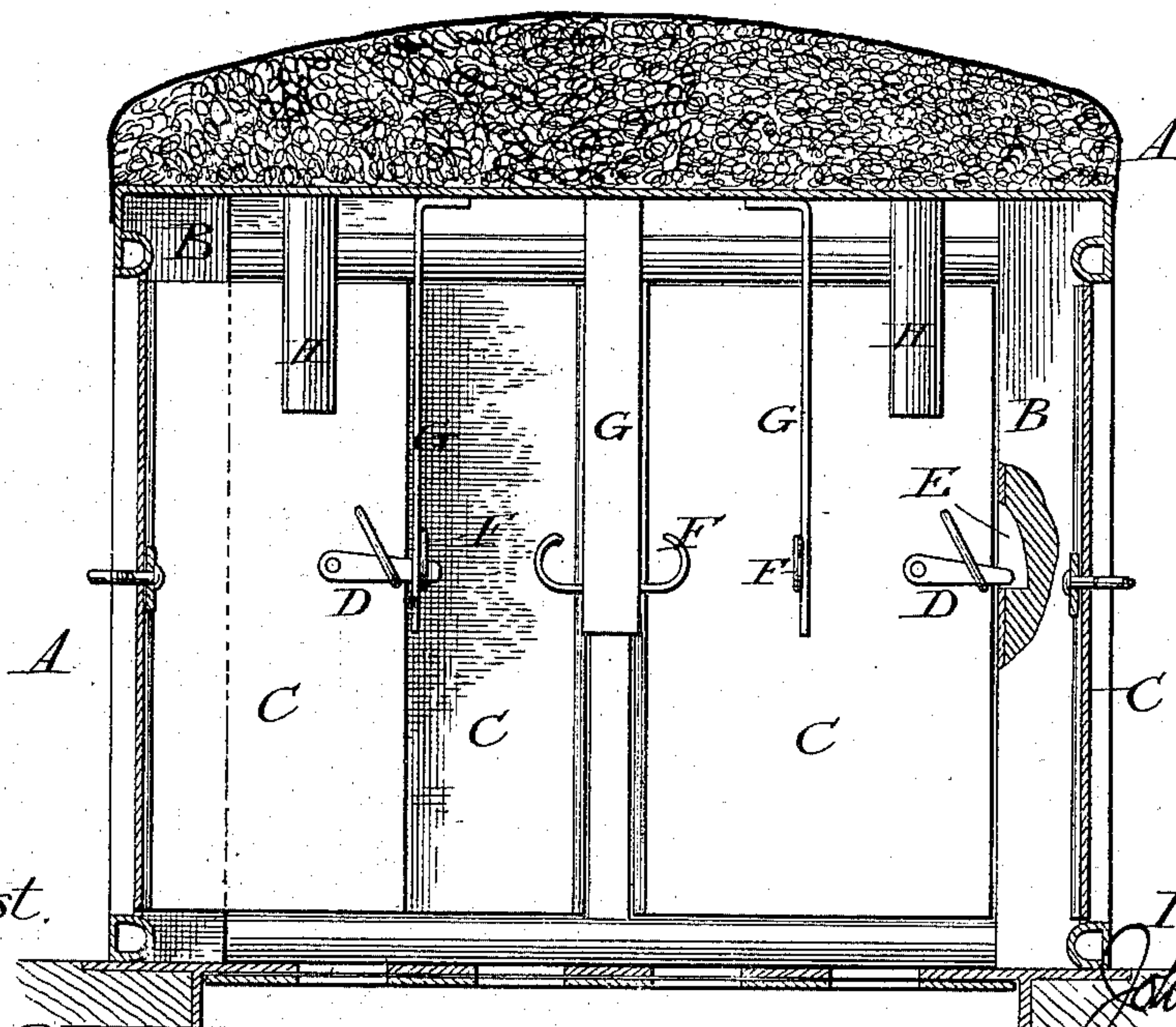


Fig. 2.



Attest.

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UNITED STATES PATENT OFFICE.

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COMBINED REGISTER AND OTTOMAN.

SPECIFICATION forming part of Letters Patent No. 254,867, dated March 14, 1882.

Application filed January 20, 1882. (No model.)

To all whom it may concern:

Be it known that we, JOHN A. GRAHAM, AMELIA L. GRAHAM, and EMILIE C. RANSCH, of Red Wing, in the county of Goodhue and State of Minnesota, have invented certain Improvements in Combined Register and Ottoman, of which the following is a specification.

This invention consists in an ottoman, stool, or other article of furniture adapted to be placed over a register-opening, and provided with doors or valves in its sides, whereby the delivery of heat into the apartment may be regulated, both as to quantity and as to direction.

In the accompanying drawings, Figure 1 represents a perspective view of an ottoman embodying these improvements; Fig. 2, a vertical section of the same.

It is well known that in heating dwellings by hot air considerable difficulty and annoyance arise from inability to direct the hot air to any desired portion of the room, or to change its direction, which, when the registers are placed in the floor, is principally upward. In consequence of this upward movement, due both to the rarefaction of the air and to the direction of its entrance, much of the heat is wasted, and but little warm air remains or is delivered close to the floor, while in many instances, from one cause or another, it is impracticable to have the air enter the room elsewhere than through the floor.

By our invention we are enabled to overcome in a great measure the difficulties mentioned, and at the same time provide a neat and useful article of furniture.

The invention is susceptible of considerable modification as to its embodiment, but consists essentially in providing the side walls of the lower portion of the article with doors, by which they may be completely closed, or which may be opened on any side to permit the escape of hot air which rises through the open base or bottom of the article.

In the drawings, A represents an ottoman or low seat closed, and preferably upholstered at the top, and sustained principally by corner-posts B, between which are arranged doors or valves C, each adapted to be opened or closed independently of the others, and pro-

vided with a latch, D, by which it may be fastened either in an open or a closed position. The latches D engage with keepers E on the framing of the ottoman or other article when the doors are closed, and with similar keepers or catches, F, applied to depending arms or supports G within the body of the ottoman when the doors are opened.

Stops H limit the movement of the doors or valves C.

While the arrangement of doors or valves shown and described is preferred, it is obvious that other forms may be substituted—as, for instance, rolling slats, sliding or rotating plates, and other common forms.

The article is placed over the register-opening, and when it is desired to deliver the hot air in any particular direction the doors or valves at that side are opened; but if it is desired to distribute the heat generally through the room, all or any of the doors or valves may be opened.

The article may be made of any suitable materials and finished in any desired manner, though in practice the whole interior is preferably protected with sheet metal, which may advantageously be made to cover the corner-posts, and can be decorated to present a handsome and finished appearance.

If preferred, the whole base may be made of cast metal, which may be made quite light and ornamental.

We are aware that heat-deflectors have before been provided for use over register-openings; but we are not aware that any such deflectors have ever before been furnished with doors by which the heat could be completely shut off or permitted to escape in any desired direction; nor are we aware that such deflectors have ever been adapted to serve the double purpose of a deflector and a seat.

We are also aware that a portable lamp-stove, or cooking and heating device, has been provided with a removable upholstered top, which might be used as a seat when desired; but such device was wholly unadapted to the purposes of our invention.

Having thus described the invention, what is claimed is—

1. An ottoman or like article of furniture, 100

having an open base or bottom, and provided with doors in its sides, whereby it is adapted to receive and distribute heat from a register-opening, as set forth.

5 2. The herein-described article of furniture A, provided with doors or valves C, latches D, and keepers E F, substantially as and for the purposes set forth.

3. The ottoman A, provided with doors C

and stops H, substantially as shown and described.

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Witnesses:

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