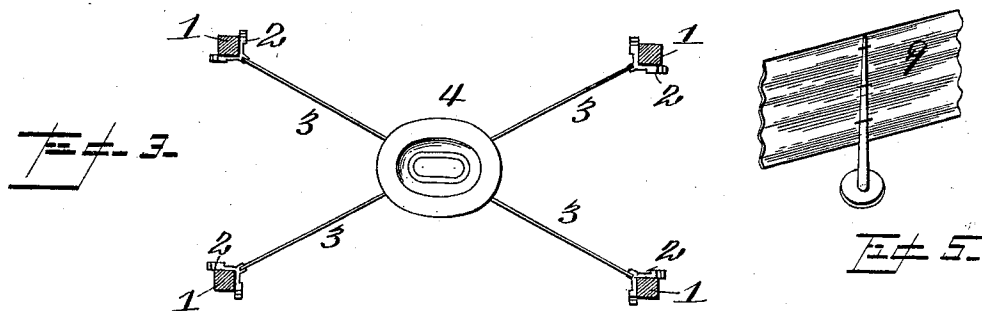
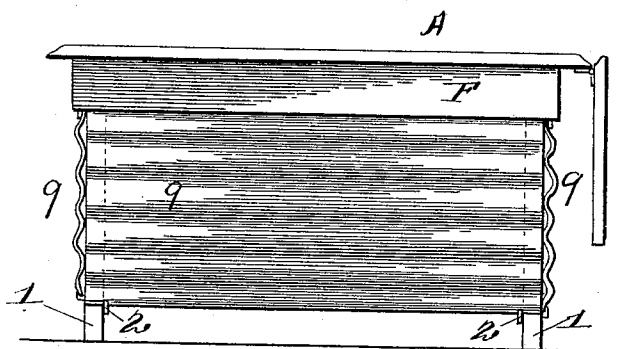
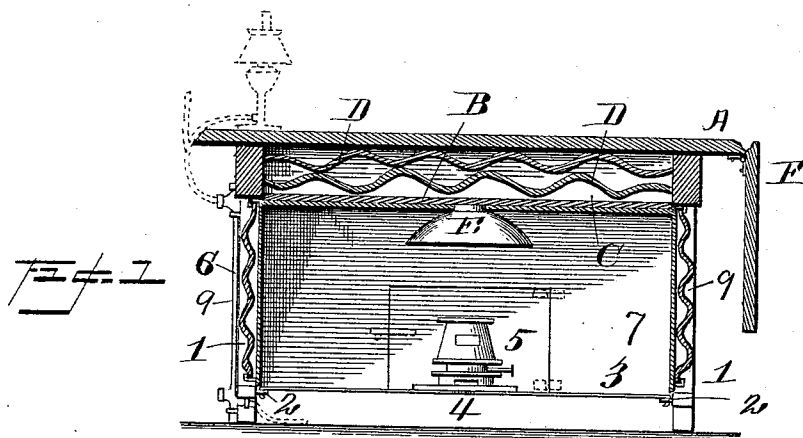


(No Model.)

E. M. BURCHARD.
HEATER AND TABLE.

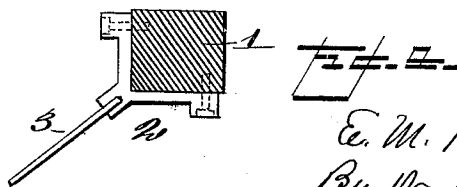
No. 520,632.

Patented May 29, 1894.



Witnesses:

W. Johnson,
C. K. Davies.



Inventor.

E. M. Burchard
By W. A. Bartlett.

Attorney.

UNITED STATES PATENT OFFICE.

EDWARDS M. BURCHARD, OF HYATTSVILLE, MARYLAND.

HEATER AND TABLE.

SPECIFICATION forming part of Letters Patent No. 520,632, dated May 29, 1894.

Application filed February 20, 1894. Serial No. 500,852. (No model.)

To all whom it may concern:

Be it known that I, EDWARDS M. BURCHARD, residing at Hyattsville, in the county of Prince George's and State of Maryland, have
5 invented certain new and useful Improvements in Heaters and Tables, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a heater and heat
10 directing screens, in connection with a table, desk, or similar article of furniture.

The object of the invention is to produce an article of furniture such as a table, which shall be adapted to all the usual uses of such
15 furniture, and which shall also have a heater connected therewith, and means for directing the heat downward, so that the heat or heated air shall escape near the base of the table or floor of the room.

Figure 1 is a longitudinal central section of a table and heater after the manner of this invention. Fig. 2 is a side elevation of a table, with screens in a position in which they may be attached. Fig. 3 is a horizontal section or diagram showing legs in section and
25 support for heater. Fig. 4 is a cross section of a leg with bracket thereon. Fig. 5 is a view of one of the screens detached and supported on a standard.

It is often desirable to have a small heater in some part of a room where a stove would be inconvenient, as in a bay window or alcove. Usually in such case a table or a desk is a convenience. Also in such case it is generally desirable to have the small amount of
35 heat required as near the floor as possible. With this view I have invented the apparatus about to be described.

The table legs 1, 1, may be of any usual
40 construction. Preferably the legs have brackets, 2, near the lower ends, on which the heater and side screens are supported.

The table top proper, marked A, may be of wood or other material. Below this top, and
45 inclosed by the framing F, there is a sheet or layer, B, of non-conducting material, preferably asbestos, and sheets D, D, of corrugated paper may be interposed. A sheet metal covering, C, may be below the asbestos, and
50 preferably a reflector, E, of refractory substance is suspended below the table top.

The brackets 2, 2, form supports for the

cross bars 3, 3, which bars constitute a framework or support for the heater platform 4. The cross bars may be made to hook into the brackets, and so serve as braces for the legs. 55
The platform 4, may be used as a base for an oil or a gas stove, or any other suitable heater as indicated at 5. By preference a short section of gas pipe 6, will be permanently attached to one of the table legs, so that a ready
60 connection can be made to a drop light or other gas fixture, and connection made to a gas heater or burner instead of an oil burner at 5.

The space between the table legs is preferably inclosed by a box 7, closed at the top and sides and open at the bottom, and having a door 8 to give access to the heater. The sides of this box may be covered by light coverings
65 or screens, 9, 9, which are preferably of non-conducting material such as paper or mill-board. The box or the screens, or both when used serve to retain the air which is heated by heater 5, under the table, and prevent the
70 escape of such heated air except in a downward direction and near the floor. An air supply will be maintained by a still lower stratum flowing inward, but the heated air will be discharged near the floor, where it is
75 generally wanted.

The removable sides or screens 9, when not in use with the table, may be suspended on standards and used as movable screens. These screens may be attached to the table
85 legs by hooks, or be held up by the brackets 2, or attached in any of the numerous ways known for retaining such things in place.

The illustrations are not intended to illustrate all the forms of my apparatus. It will
90 readily occur to the mechanic that the table or desk may be in any usual form. That the screens need not be flat, but may conform to the general character of the table, and are reasonable for convenience and not of
95 necessity. That the heater may be of any usual kind, and may be permanently attached to the table or not as convenient. That the non-conducting top may be varied, and possibly other modifications may be made without
100 departing from my invention.

I claim—

1. A table or similar article of furniture having a closed heat non conducting top,

closed heat non-conducting sides extending nearly to the floor, and a heater supported within the closed sides, all substantially as described.

5 2. A table or like article of furniture having a closed wood top, an inclosed air space below said top, an asbestos layer below said air space, closed sides extending nearly to the floor, and a support for a heater within said
10 sides, all substantially as described.

3. The combination with the table having its top of heat non-conducting material, and a heater supported beneath said top, of removable screens forming sides which extend
15 from the table top nearly to the floor, and means for attaching the same, substantially as described.

4. The table having legs and a non-conducting top, the closed sides extending from
20 said top nearly to the floor, the heater sup-

port connecting the legs of the table about on the plane of the lower edge of the closed sides, and the heater resting on said support, all combined and relatively arranged substantially as described.

5. The table having a closed wood top, the air chamber under the top and the sheets of corrugated paper therein, the asbestos sheet under said air chamber, and the reflector, of refractory substance, arranged as described,
25 the heater, and the inclosing sides, all constructed and arranged substantially as described.

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

E. M. BURCHARD.

Witnesses:

CHARLES L. DUBOIS,
W. A. BARTLETT.