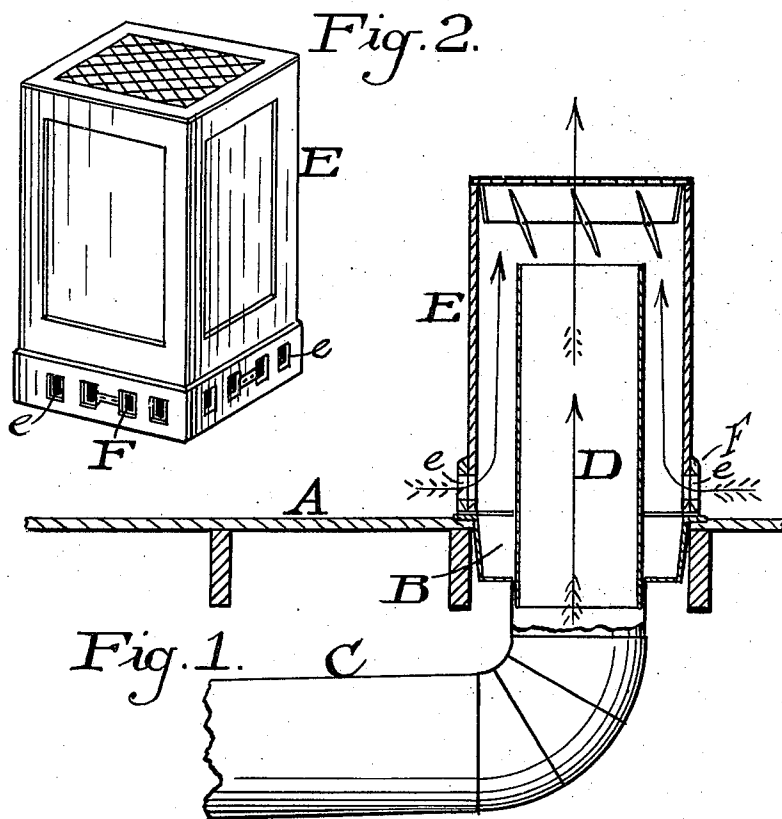


No. 687,154.

Patented Nov. 19, 1901.

A. HERIG.
HEAT DISTRIBUTER.
(Application filed Dec. 7, 1900.)

(No Model.)



Witnesses,

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UNITED STATES PATENT OFFICE.

ADAM HERIG, OF CLEVELAND, OHIO.

HEAT-DISTRIBUTER.

SPECIFICATION forming part of Letters Patent No. 687,154, dated November 19, 1901.

Application filed December 7, 1900. Serial No. 39,082. (No model.)

To all whom it may concern:

Be it known that I, ADAM HERIG, a citizen of the United States of America, and a resident of Cleveland, Cuyahoga county, Ohio, have invented certain new and useful Improvements in Heat-Distributers, of which the following is a specification.

This invention relates to heat-distributers; and it consists in the new combination and arrangement of means for enhancing the discharge of hot air from the air-pipes by extending the hot-air pipes above the floor and surrounding them with boxes or casings having perforations in their base controlled by dampers whereby the cold air from the floor is prevented from retarding the hot air from the air-pipes.

In the accompanying drawings, Figure 1 is a vertical section of a floor, register-box, and my improved heat-distributer, showing its construction and working. Fig. 2 is a perspective view of the distributer.

A represents the floor of a room.

B is the register-box as usually placed in the floor, and C is a hot-air pipe connecting the register-box with a furnace. (Not shown.)

D is a short extension of hot-air pipe C, set in the box after removing the register-plate. E is a box or casing surrounding said pipe D, made of wood or other suitable material and may be made square or other form having dimensions equal to the register-box B and of a little greater height than the pipe D. In the sides of box E, at the base, are made openings *e e*, covered by regulating-dampers F F. The register-plate when removed is placed on the top of the box E. The box E and pipe D may not be permanently attached together, nor are they to be permanently fixed to the floor, but are portable and transferable.

With the use of this device hot-air pipes in rooms that are affected by cold drafts along the floor, which retard the discharge of hot air and which are robbed of their hot air by adjacent pipes, are immediately remedied, for by increasing the height of the air-pipes their draft is increased thereby and the effects of the cold air is cut off therefrom, and said cold air is drawn into the perforations in the base of the outer casing, where it passes upward between the casing and the pipe D, also the direct retarding influence of the cold air, as well as causing a circulation of the air in the room.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

In a hot-air distributer, the combination of a hot-air pipe, a register-box connected with said hot-air pipe, and provided with a central opening, an exterior pipe fitting in said opening and the mouth of the hot-air pipe and extending above the register-box, a rectangular casing resting upon said register-box and incasing the extension-pipe, said casing being provided with a series of perforations controlled by slides around its lower edges of the side, said perforations being adapted to admit air into the casing around the extension-pipe, a grated cover for said casing and a series of pivotal slides carried by said cover to regulate the flow of heat into the rooms.

Signed by me at Cleveland, Ohio, this 5th day of December, 1900.

ADAM HERIG.

Witnesses:

GEO. W. TIBBITTS,
CHARLES L. STOCKER.