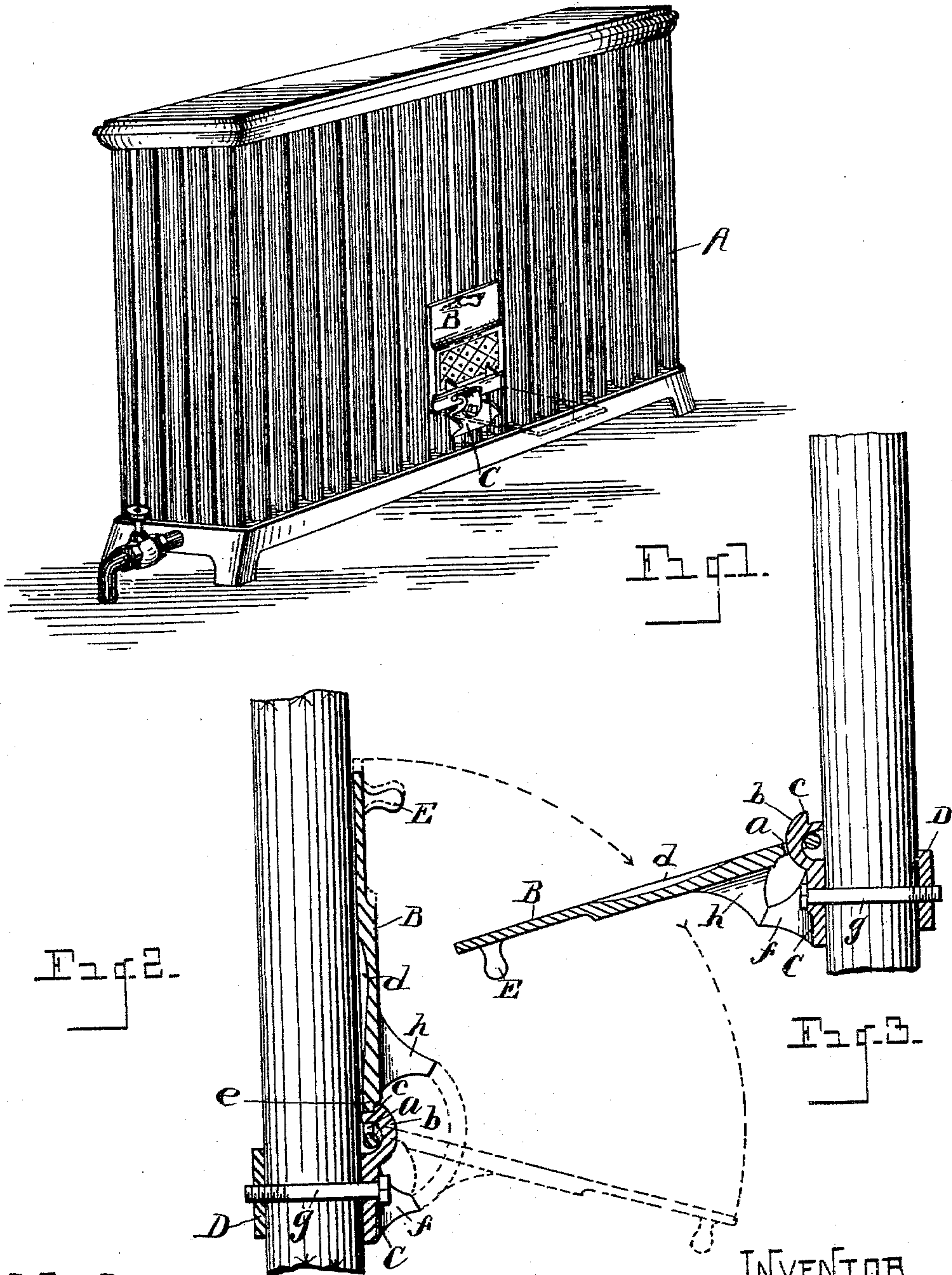


(No Model.)

E. W. CORNELL.
FOOT REST FOR RADIATORS.

No. 597,049.

Patented Jan. 11, 1898.



WITNESSES.
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EVAN W. CORNELL, OF ADRIAN, MICHIGAN.

FOOT-REST FOR RADIATORS.

SPECIFICATION forming part of Letters Patent No. 597,049, dated January 11, 1898.

Application filed November 14, 1896. Serial No. 612,066. (No model.)

To all whom it may concern:

Be it known that I, EVAN W. CORNELL, a citizen of the United States, residing at Adrian, in the county of Lenawee, State of Michigan, have invented certain new and useful Improvements in Foot-Rests for Radiators; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to a foot-warming attachment for heat-radiators; and, it consists in the construction and arrangement of parts hereinafter fully set forth, and pointed out particularly in the claims.

20 The object of the invention is to provide simple, inexpensive, and effective means for attachment to steam, hot-water, or other heat-radiators whereby the feet may be conveniently supported in proximity to the radiator in such manner as to enable the feet to be quickly warmed and in which the arrangement is such as to enable the device when not in use to be swung against the vertical face of the radiator, so as to be entirely out of the way and in contact with the heating-surface of the radiator, so that heat may be imparted to the warming-plate thereof, which object is attained by the mechanism illustrated in the accompanying drawings, in which—

35 Figure 1 is a perspective view of a radiator with my improved foot-warmer attached thereto. Fig. 2 is an enlarged detail in section through the hinged warming-plate and the hinge portion which is made fast to the radiator. Fig. 3 is a like view showing the warming-plate extended in position to receive the feet thereon.

45 Referring to the letters of reference, A designates an ordinary pipe-radiator, which I employ to illustrate the application of my invention.

50 B designates the warming-plate, which is preferably cast of iron and which is hinged to the hinge portion or plate C. This hinge-plate C is provided with an upwardly-curved finger *b*, which forms the hinge upon which the warming-plate B is adapted to swing.

Said finger *b* enters freely an aperture *a* in the lower edge of the plate B and forms a hinge-support upon which said plate B may be swung outward and downward, as shown in Figs. 2 and 3. In the upper end of the curved finger *b* is formed a vertical shoulder *c*, which serves as a catch to engage the reduced lower edge *e* of the plate B, that borders on the aperture *a*, through which said finger passes and retains said plate B in a vertical position against the pipes of the radiator when not in use, as shown in Figs. 1 and 2.

Formed upon the outer face of the hinge-plate C are the projecting lugs *f*, which are engaged by the legs *h*, projecting from the outer face of the plate B, when said plate is swung downward to the position shown in Fig. 3, thereby affording a firm support for said plate B at such an inclination as to enable the feet to be readily placed thereon.

The hinge-bearing plate C is secured to the pipes of the radiator near the base thereof by means of a bolt *g*, which passes through said plate and between the radiator-pipes and screws into a cross-plate D, which bears against the opposite face of the pipes of the radiator, enabling the plate C to be firmly clamped in place, by which means the device is removably secured in position and may be attached to the radiator at any point desired.

While the plate C is held against the pipes of the radiator by means of the catch *c* it becomes thoroughly heated and is sufficiently heavy to retain the heat for some time. To warm the feet with this improved device, the plate B is raised slightly by means of the handle E, so as to disengage the catch *c*, when it is swung outward and downward, as shown by dotted lines in Fig. 2 and by solid lines in Fig. 3, at which point it is arrested by the engagement of the legs *h* with the lugs *f* of the plate C, supporting said plate at a slight downward inclination, so that the feet may be readily placed thereon. The heat of the plate warms the soles of the shoes, and the position of the feet is such that the toes are brought into proximity with the radiator-pipes, enabling the feet to be conveniently and quickly warmed.

When the feet shall have been warmed, the plate B is swung upward to its vertical position, where it is retained by the catch *c* and is

again warmed by its contact with the pipes of the radiator, by which arrangement said plate is also placed entirely out of the way, and any dirt that may have been left thereon by the feet is concealed, enabling the outer face of said plate to be ornamented, so as to be rendered attractive, as shown in Fig. 1.

The face of the plate B upon which the feet are placed is provided with slight concavities 10 *d*, which receive the soles of the shoes and assist in retaining the feet in position.

It will now be understood that by means of this improved device heat-radiators of whatever character may be provided with a convenient and perfect foot-warmer which when 15 not in service is entirely out of the way and does not in any sense encumber the radiator.

Having thus fully set forth my invention, what I claim as new, and desire to secure by 20 Letters Patent, is—

1. In a foot-warmer for radiators, the com-

bination of the fixed plate secured to the radiator, said fixed plate having a curved finger with a shoulder at its upper end, the warming-plate hinged on said curved finger and 25 adapted to be engaged by said shoulder, and means for supporting said warming-plate in an extended position.

2. In a foot-warmer for radiators, the combination with the radiator, the fixed plate 30 thereon, the warming-plate hinged to said fixed plate, the catch for retaining said plate in a vertical position against the pipes of the radiator, and the legs projecting outwardly from said plates for supporting said warming- 35 plate in an extended position.

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

EVAN W. CORNELL.

Witnesses:

GEO. W. AYERS,
THOMAS KNOX.