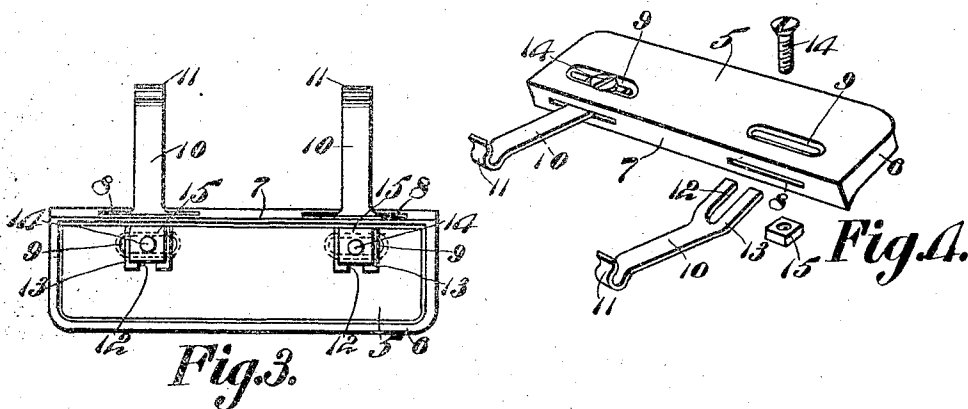
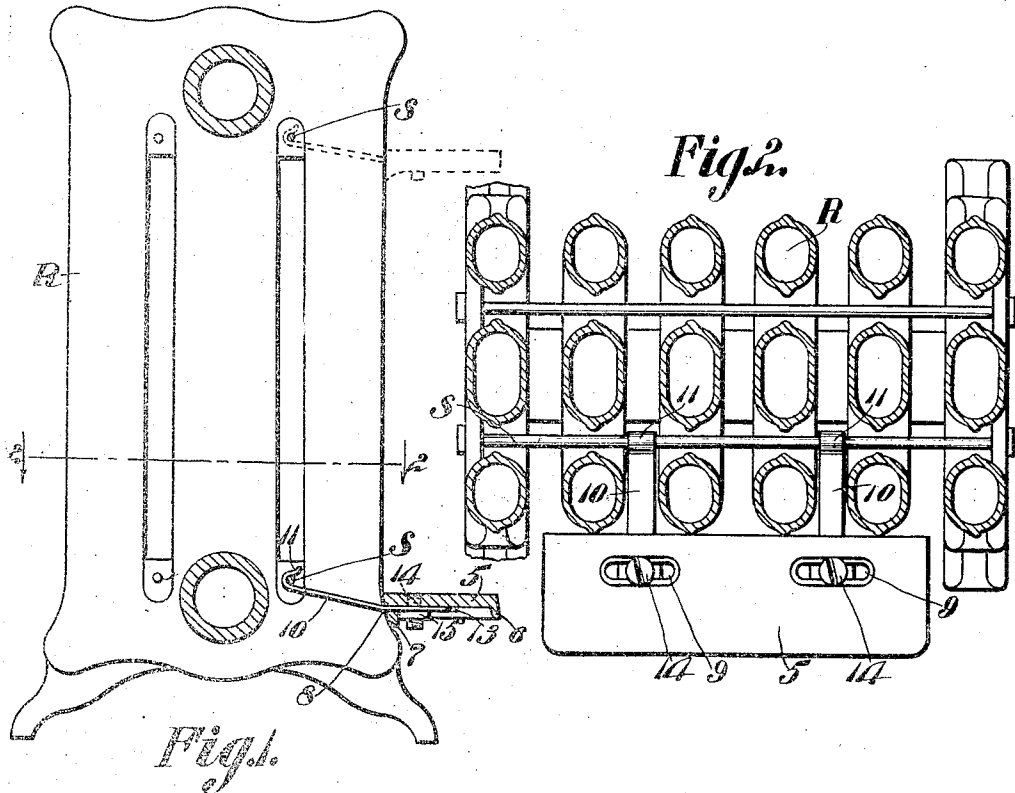


J. KINZEY.
RADIATOR ATTACHMENT.
APPLICATION FILED APR. 3, 1912.

1,056,911.

Patented Mar. 25, 1913.



Witnesses

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UNITED STATES PATENT OFFICE.

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RADIATOR ATTACHMENT.

1,056,911.

Specification of Letters Patent.

Patented Mar. 25, 1913.

Application filed April 3, 1912. Serial No. 636,277.

To all whom it may concern:

Be it known that I, JOSEPH KINZEY, a citizen of the United States, residing at Johnstown, in the county of Cambria and State of Pennsylvania, have invented a new and useful Radiator Attachment, of which the following is a specification.

This invention relates to a shelf or foot-rest attachment for radiators, and has for its object to provide a simple, substantial and inexpensive attachment of this character which is readily applicable to various steam or hot water radiators in order to serve as a foot rest or shelf.

With the above and other objects in view, which will be apparent as the invention is better understood, this invention resides in the novel construction and combination of parts hereinafter described and particularly pointed out in the appended claim, reference being had to the accompanying drawings wherein the preferred embodiment of the invention is illustrated, and wherein—

Figure 1 is a vertical section of a radiator with the present invention applied thereto. Fig. 2 is a horizontal section taken on the line 2—2 of Fig. 1. Fig. 3 is a bottom view of the attachment. Fig. 4 is a perspective view of the attachment, parts thereof being detached or removed.

Referring in detail to the drawings, wherein similar reference characters have been employed to designate corresponding parts, the letter R denotes generally the hot water or steam radiator embodying the stay rods S, which are employed for retaining the sections of the radiator in position relative to each other.

The present attachment embodies as its essential a shelf or foot-rest 5 and the inclined hangers 10 attached thereto. The foot-rest 5 is rectangular in contour and has a depending flange 7 along the inner or rear edge thereof, and a depending flange 6 along the front or outer edge and end thereof. The shelf or foot-rest and the depending flange 7 have a plurality of adjoining longitudinal slots 9 and 8 therein, respectively, the slots 9 being arranged adjacent the inner edge of the shelf or foot rest and the upper edges of the slots 9 lying in the plane of the lower face or bottom of the shelf or foot-rest.

The hangers 10 are bent from bars of metal and have their inner ends 12 bifur-

cated or forked to provide open slots 12. The inner or bifurcated ends of the hangers 10 are bent horizontally or at an angle relative to the body of the hanger, and the outer or free ends of the hangers 10 are hooked upwardly as designated by the numeral 11.

Bolts 14 are slidable in the slots 9 and bear the lower nuts 15, the bifurcated ends of the hangers being adapted to straddle the bolts 14 in order to be clamped thereby. The inner ends of the hangers in order to be engaged by the bolts 14 are passed through the slots 8 in the flange 7, and it will be noted that the hangers may be adjusted laterally of the shelf or foot-rest by loosening a bolt and sliding the hangers laterally. The hangers 10 may also be adjusted longitudinally by loosening the bolts 14, the elongated longitudinal slots 8 and 9 permitting the hangers and the bolts 14 to be adjusted longitudinally.

The nuts 15 which are engaged on the lower ends of the bolts 14 have one of their faces slidably engaging the flange 7 so as to prevent a rotation of the nuts, thus permitting the bolts 14 to be rotated without rotating the nuts 15. The heads of the bolts 14 work in the slots 9, and it will therefore follow, that by rotating the bolts 14 from above the shelf or foot-rest, the inner ends of the hangers may be readily clamped between the nuts and the bottom of the shelf or foot-rest. When the bolts are loosened, the hangers may be adjusted laterally of the shelf or foot-rest, or the bolts may be adjusted longitudinally together with the hangers. It is also possible to position and clamp the hangers prior to the attachment of the shelf with the radiator, so that the hangers may be adjusted with ease and despatch and in an accurate manner. The nuts in having one of their faces contacting with the flange 7 are permitted to slide vertically and horizontally, the nuts being at all times constrained against rotation, and being retained in position unless the bolts 14 are excessively unscrewed.

When the hangers are attached to the shelf or foot-rest, the hangers are arranged in an inclined position relative to the foot-rest or shelf in order to sustain the shelf or foot-rest in proper position when the attachment is applied to the radiator.

In use, the attachment is applied to the

radiator by passing the hangers 10 between
 the sections of the radiator and in engaging
 the hooks 11 to a stay rod S which will per-
 mit the shelf or foot-rest to swing against
 5 the side of the radiator in order that the
 shelf or foot-rest will be sustained in posi-
 tion on the side of the radiator. The hang-
 ers 10 being adjustable laterally permits the
 hangers to be adjusted to accommodate vari-
 10 ous radiators wherein the stay rods are
 spaced more or less from the side of the
 radiator, and the hangers being also adjust-
 able longitudinally permit the same to be
 adjusted in order to readily pass between the
 15 sections of the radiator. In this manner, it
 will be seen that the present attachment may
 be applied to various sizes and forms of
 radiators, and the attachment will serve as
 a foot-rest or as a shelf, whichever is de-
 20 sired or essential. As shown in Fig. 1, the
 attachment is applied to one of the lower
 stay rods, but it is apparent that the attach-
 ment may also be applied to the upper stay
 rod as indicated in dotted lines in the said
 25 figure. The shelf or foot-rest may be readily
 detached from the radiator by raising the
 same, in which event, the hooks 11 will dis-
 engage the stay rod so that the attachment
 may be removed.
 30 This attachment will serve for various
 purposes, as will be apparent, and the at-
 tachment as constructed in accordance with
 the present invention will be simple, sub-
 stantial and inexpensive in its construction,
 35 as well as convenient and efficient in use.
 The shelf or foot-rest may be constructed of
 metal, wood or any other material, and may

be suitably ornamented if desired, and it is
 further understood that this device is sus-
 ceptible of other alterations or deviations in
 its details within the scope of the appended 40
 claim without departing from the spirit of
 the invention.

Having described the invention, what is
 claimed as new is:—

An attachment for radiators comprising a 45
 shelf or foot-rest having a depending flange
 along the inner edge and having longitudi-
 nal slots adjacent its inner edge, the flange
 having a plurality of adjoining longitudinal
 slots with the upper edges of the slots lying 50
 in the plane of the bottom of the shelf or
 foot rest, bolts slidable in the slots of the
 shelf or foot-rest, inclined hangers having
 their inner ends passed through the slots in
 the flange and bifurcated to straddle the 55
 bolts, and having their free ends hooked in
 order to engage the stay rod of a radiator
 so that the edge of the shelf or foot-rest and
 the flange is seatable against the side of the
 radiator, and nuts engaged on the lower ends 60
 of the bolts and having one of their faces
 slidably engaging the said flange to prevent
 the rotation of the nuts, the inner ends of
 the hangers being clamped between the bot-
 tom of the shelf or foot-rest and the respec- 65
 tive nuts.

In testimony that I claim the foregoing
 as my own, I have hereto affixed my signa-
 ture in the presence of two witnesses.

JOSEPH KINZEY.

Witnesses:

F. B. KINZEY,
 J. EARL OGLE.