M. A. SCRIMGEOUR.

RADIATOR ATTACHMENT.

APPLICATION FILED FEB. 26, 1918.

1,274,791. Patented Aug. 6, 1918.

FIG. 1.

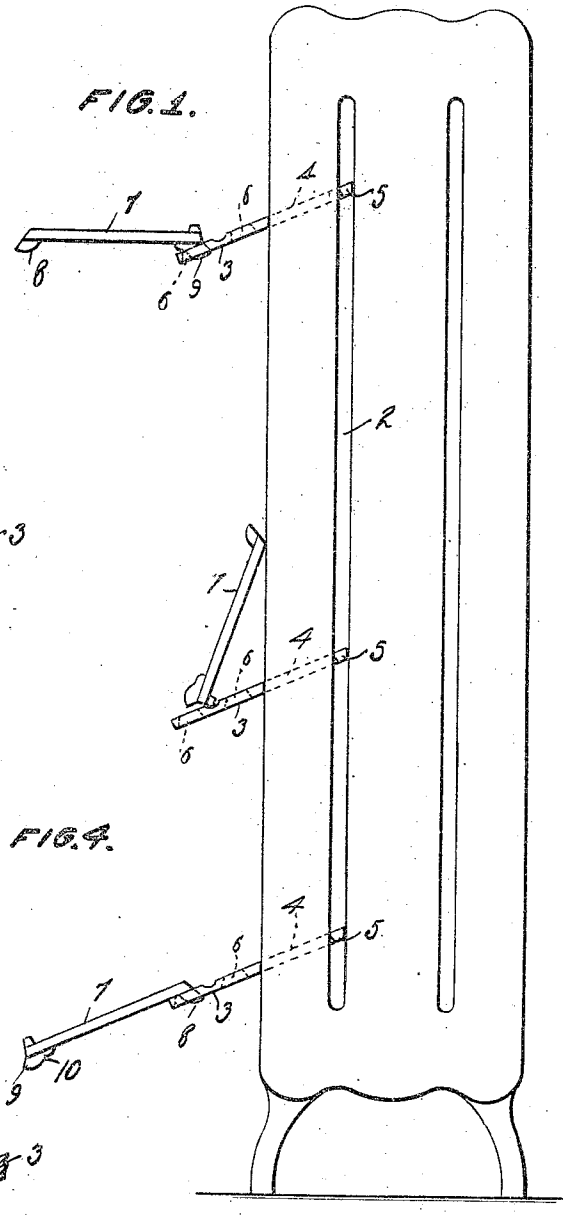


FIG. 2.

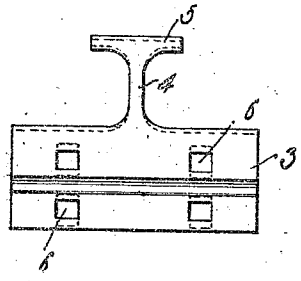


FIG. 4.

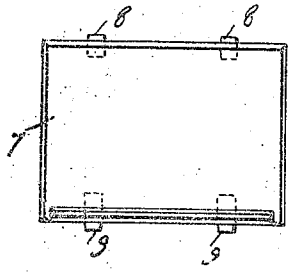


FIG. 3.

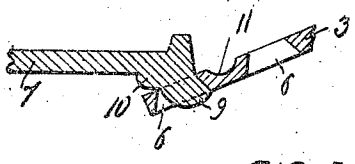
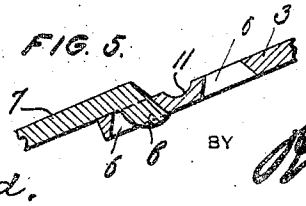


FIG. 5.



INVENTOR

Mary A. Scrimgeour

WITNESSES

W. C. Fielding

U. B. Hillyard.

BY Richardson & Evans.

ATTORNEY

UNITED STATES PATENT OFFICE.

MARY A. SCRIMGEOUR, OF LEWISTON, MAINE.

RADIATOR ATTACHMENT.

1,274,791. Specification of Letters Patent. Patented Aug. 6, 1918.

Application filed February 26, 1918. Serial No. 219,276.

To all whom it may concern:

Be it known that I, MARY A. SCRIMGEOUR, a citizen of the United States, residing at Lewiston, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Radiator Attachments, of which the following is a specification.

The purpose of the invention is the provision of a device whereby a radiator of a hot water or steam heating plant may be utilized for warming food, articles, and other objects, the device being in the nature of an attachment to be applied to a radiator and adjusted vertically thereon to any desired position according to the required needs.

A further purpose of the invention is the provision of an article support which may be readily applied to or detached from a radiator and which may be reduced in extent so as to occupy a small space, and which may receive and support the feet when it is required to warm the same, or it may be adapted for use as a shelf for receiving any article to be supported in close proximity to the radiator to be heated or kept warm.

The drawing illustrates a preferred embodiment of the invention; however, it is to be understood that in adapting the same to meet different conditions, various changes in the form, proportion, and minor details of construction may be resorted to without departing from the field of the invention as claimed hereinafter.

In the drawings:

Figure 1 is an end view of a radiator showing a number of supporting means embodying the invention applied thereto, and in different relative positions.

Fig. 2 is a top plan view of the bracket support.

Fig. 3 is a sectional view of the connection between the bracket and the shelf when horizontal.

Fig. 4 is a top plan view of the shelf.

Fig. 5 is an edge view of the shelf, a view like Fig. 3, the shelf being inclined.

Corresponding and like parts are referred to in the following description and indicated in the several views of the drawings by like reference characters.

The drawing illustrates a radiator 1 such as is commonly employed in hot water or steam heating systems, such radiator comprising a plurality of spaced loops, and each of such loops having a space 2.

The present invention contemplates a supporting bracket which embodies a main portion 3 and a shank portion, the latter being of T-form and comprising a stem 4 and a cross head 5. The stem 4 is adapted to pass between adjacent loops of the radiator and the cross head 5 is adapted to enter the spaces 2 of the adjacent loop as indicated most clearly in Fig. 1. The forward portions of the loops adjacent the stem 4 are comprised between the main or body portion 3 of the bracket and the cross head 5 of the holding or anchoring shank. The forward portions of the adjacent loops are gripped by a binding action between the rear edge of the part 3 and the forward edge of the part 5, and the gripping is proportionate to the weight or downward stress upon the part 3. A plurality of openings 6 are formed in the opposite end portions of the part 3 of the bracket and are adapted to receive attaching lugs at the edges of the shelf which is provided to coöperate with the bracket. The openings 6 flare downwardly at their front and rear edges to provide ample clearance for the attaching studs and to enable the latter to obtain proper engagement with the walls of the openings so as to retain the shelf in the required adjusted position. By providing a number of openings, the shelf may be adjusted nearer to or farther from the radiator as will be readily understood.

The shelf 7 may be of any construction and design, and is provided at its opposite edges with attaching lugs 8 and 9 which are positioned so as to pass through corresponding openings 6. The attaching lugs 8 and 9 are somewhat similar in formation and incline outwardly and downwardly so as to engage under the overhanging portions of the inner or rear walls of the openings 6. The lugs 9 differ slightly in their formation from the lugs 8 and are formed with notches 10 which provide extensions to overlap the bracket at the forward edges of the openings 6 as indicated most clearly at the top of Fig. 1 and in Fig. 3. The lugs 9 are formed in such a manner that when brought into service as supporting means for the shelf, they enable the latter to be supported in a horizontal position as indicated most clearly at the top of Fig. 1. In this position of the shelf, it may be used as a table or support for receiving articles to be heated or kept

warm. When the lugs 8 are utilized as supporting means for the shelf 7, the latter assumes an inclined position as indicated at the bottom of Fig. 1, whereby the shelf may be utilized as a foot rest. It will be understood that the shelf may be moved so as to occupy a position close to or at a distance from the radiator. This adjustment of the shelf may be effected in either its horizontal or inclined position. A groove 11 is formed in the upper side of the bracket near its front edge, and is designed to receive a supporting shelf when the latter is inclined or turned upward out of the way as indicated at the middle of Fig. 1.

It is to be noted that the bracket and the shelf may be of any design or dimensions according to the particular use and adaptation of the invention. It should also be borne in mind that a radiator may be provided with one or more of the attachments, and the same may be differently positioned to meet the various requirements. For the convenience and comfort of a patient a radiator may be provided with upper and lower attachments, and the upper attachment may be adjusted for use as a warming shelf, whereas the lower attachment may be adjusted for use as a foot rest, thus the invalid or patient may sit close to the radiator with the feet upon the rest and utilizing the upper attachment as a support for food or other articles to be conveniently at hand.

When placing the attachment in position, the bracket is turned into vertical position to admit of the cross head 5 of the holding or anchoring shank being passed between adjacent loops, and when the cross head reaches a position to register with the spaces 2, the bracket is turned into approximately horizontal position, thereby causing the ends of the cross head 5 to enter the spaces 2 of adjacent loops so as to secure the bracket in position. Upon dropping the part 3 of the bracket after the latter has been adjusted to the required elevation, the forward portions of the loops adjacent the shank 4 will be gripped between the rear edge of the part 3 and the forward edge of the part 5. The shelf 7 may now be placed in position by inserting the lugs 8 and 9 into the desired openings 6 of the bracket. When the shelf is to be held in horizontal position, the lugs 9 are brought into active position, but when the shelf 7 is to be supported in an inclined position, the lugs 8 are engaged with the openings of the bracket.

What I claim is:

1. A radiator attachment, comprising a bracket provided with means for attachment to a radiator and having openings, a shelf having lugs at different edges to enter the openings of the bracket and secure the shelf thereto, the lugs at one edge of the shelf being differently formed from the lugs at another edge to give a different set to the shelf.

2. A radiator attachment, comprising a bracket adapted to make detachable and adjustable connection with a radiator substantially in the manner specified and provided with under-cut openings, and a shelf having attaching lugs at opposite edges to coöperate with the openings of the bracket to hold the shelf either in horizontal or in inclined position, according as one or the other set of lugs are brought into operative engagement with the bracket.

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

MARY A. SCRIMGEOUR.

Witnesses:

BELLE P. CARTWRIGHT,

RICHARD T. SEADEN.