O. F. W. CROMWELL.

FOOT REST FOR RADIATORS.

APPLICATION FILED FEB. 7, 1917.

1,249,340. Patented Dec. 11, 1917.

Fig. 1

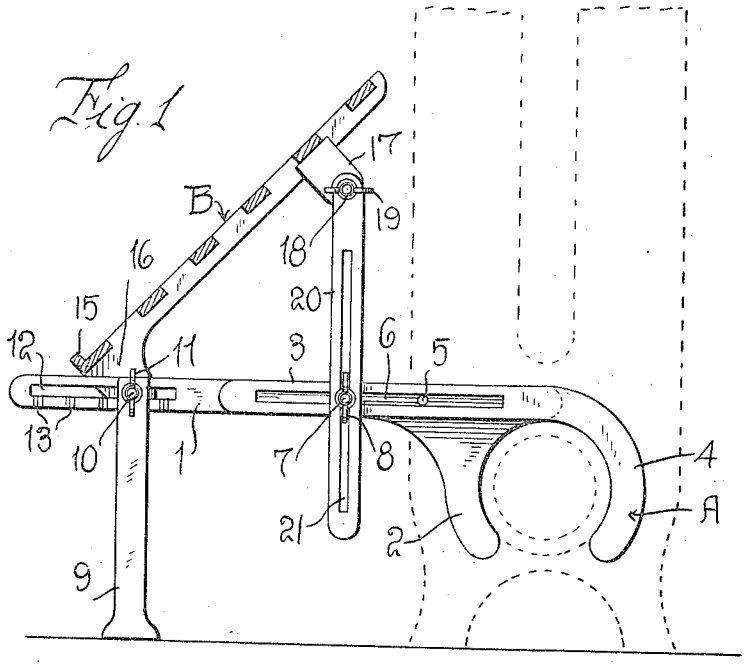


Fig. 2

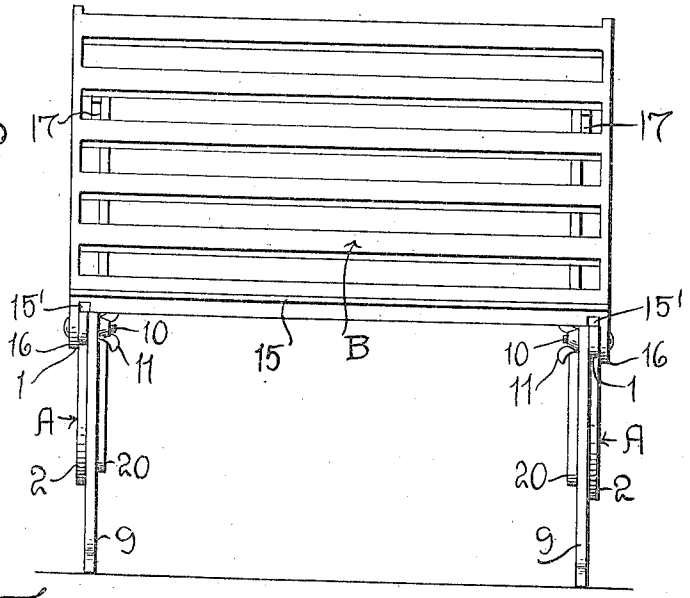
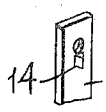


Fig. 3



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FOOT-REST FOR RADIATORS.

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Application filed February 7, 1917. Serial No. 147,189.

To all whom it may concern:

Be it known that I, OLIVER F. W. CROMWELL, a citizen of the United States, residing at New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Foot-Rests for Radiators, of which the following is a specification, reference being had to the accompanying drawings.

This invention has for its primary object a practical, durable and efficient construction of foot rest for radiators, the parts of which may be very easily and cheaply manufactured and readily assembled and not liable to get out of order and capable of being adjusted to various positions as may be desired and easily attached to or detached from the radiator.

And the invention also aims to generally improve devices of this class so as to render them more useful and commercially desirable.

With these and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that I shall hereinafter more fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawing, in which—

Figure 1 is a transverse sectional view of a foot rest for radiators embodying the improvements of my invention.

Fig. 2 is a rear elevation thereof, and

Fig. 3 is a fragmentary perspective view of one of the legs of the device.

Corresponding and like parts are referred to in the following description and designated in all of the views of the accompanying drawing by like reference characters.

My improved foot rest for radiators comprises clamping devices A, of which there are two, which are substantially duplicates, and a foot supporting plate or grid B.

Each clamping device comprises a main bar 1 terminating at one end in a preferably curved jaw 2, and an extension bar 3 terminating in a preferably curved and complemental jaw 4, the two jaws being designed to be clamped upon the feed pipe of the radiator between any two sections of the latter. One of the bars just mentioned (the bar 1 in the present instance) is formed with a laterally projecting pin 5, and the other bar is formed with a longitudinally extending slot 6 in which said pin is received, and a set screw 7 is carried by one bar and is also received in said slot 6, whereby the movement of one bar relative to the other may be properly guided, said set screw being provided with a wing nut 8 for holding the two parts of the clamps in adjusted positions, whereby they may be readily attached to or detached from the radiator feed pipe.

My improved foot rest also comprises legs 9 and set screws 10 pass through said legs and are provided with wing nuts 11 whereby the legs may be clamped securely in adjusted positions. The set screws 10 are received in longitudinal slots 12 formed in the bars 1 at one end of the latter, notches 13 being formed on one side of said bars contiguous to said slots and designed for engagement by lugs 14 that are formed on the legs whereby the legs may be firmly held in position after they have been adjusted.

The foot supporting plate or grid B is preferably, like the other main part of the device, composed of a casting or other one-piece structure, and is preferably provided with a heel engaging ledge 15 extending from one side thereof to the other, said ledge being recessed or notched as indicated at 15′ and the bars 1 being received in and movable along the notches or recesses. The plate B is formed with depending heel lugs 16 and corresponding toe lugs 17, the set screws 10 passing through the heel lugs 16, as well as the legs 9, as shown, and set screws 18 being carried by the toe lugs 17. The set screws 18 are provided with wing nuts 19 and have pivotally mounted upon them the upper ends of braces or struts 20, said braces being longitudinally slotted, as indicated at 21, to receive the set screws 7 hereinbefore referred to, whereby by tightening up the wing nuts 8 of said screws, the lower ends of the braces and the two bars 1 and 3 may all be securely clamped together

after the parts have been adjusted, as desired.

From the foregoing description in connection with the accompanying drawing, the operation of my improved foot rest for radiators will be apparent. In the practical use of the device, the bars are clamped upon the feed pipe of the radiator between any two sections thereof, with the legs 9 resting upon the floor. The foot supporting plate B may obviously be adjusted to various angles or inclinations by means of the set screws and the brace bars 20.

It will thus be seen that I have provided a very practical, durable and efficient construction of radiator foot rest, the parts of which may be easily manufactured and readily assembled, and which will not be liable to get out of order and which device will provide a very convenient support for a person's feet in proximity to the radiator so as to receive the heat radiating therefrom while at the same time the feet are supported in a comfortable position.

While the accompanying drawing illustrates what I believe to be the preferred embodiment of my invention, it is to be understood that the invention is not limited thereto but that various changes may be made in the construction, arrangements and proportions of the parts without departing from the scope of the invention as claimed.

Having thus described my invention, what is claimed, is:

1. A foot rest for radiators, including clamps designed for detachable connection to portions of a radiator and embodying longitudinally slotted bars, set screws mounted in the slots of said bars, legs pivotally connected to the said screws, an angularly adjustable foot supporting plate provided with heel lugs connected to said screws whereby the tightening of the screws will hold the legs and the adjacent portion of the foot supporting plate in adjusted positions, braces pivotally connected to the foot supporting plate in advance of said set screws, and other set screws adjustably connecting said braces to the clamping devices.

2. A foot rest for radiators comprising clamping devices embodying main bars and slotted extension bars having complementary jaws, pins extending from the main bars and receivable in the slots of the extension bars, set screws carried by the main bars and extending through said slots and provided with clamping nuts, the main bars being formed at the rear ends with longitudinal slots, a foot supporting plate provided with heel lugs and toe lugs, legs, set screws carried by the heel lugs of said plate and movable in the slots of the main bars and provided with clamping nuts adapted to clamp the legs and heel lugs to said bars, set screws secured to the toe lugs of said plate, and braces pivotally mounted upon the last named set screws and formed with longitudinal slots receiving the first named set screws, as and for the purpose described.

3. A foot rest for radiators comprising a pair of clamping jaws, each of said jaws having an extension, the jaws being complementary to each other and the extension of one jaw lying against the extension of the other jaw, said extensions being relatively adjustable to shift the jaws toward or from each other, legs mounted upon one of said extensions, a foot rest pivoted upon said last named extension, and a brace pivotally engaging the foot rest and said extensions and adjustable vertically to thereby support the foot rest at different angles.

4. A foot rest for radiators comprising two pairs of complementary jaws, each of the jaws of each pair having longitudinal parallel extensions and one of said extensions of each pair being adjustable upon the other extension of the pair whereby to adjust the jaws nearer to or farther from each other, the extremity of one of said extensions of each pair being longitudinally slotted, a foot rest having laterally projecting pins extending through said slots, legs pivotally connected to said pins, clamp nuts on the pins, and braces pivotally connected to the foot rest extending downward therefrom and adjustably connected to the extensions of each pair whereby the foot rest may be supported at different degrees of inclination.

5. A foot rest for radiators including horizontally extending supporting members having jaws at their outer ends adapted to engage over the feed pipe of a radiator, and a foot rest proper, said foot rest being adjustable toward or from the jaws and adjustable to different angles with relation to said supporting members.

6. A foot rest for radiators comprising a pair of supporting bars, each of said bars at one end being longitudinally slotted and at its opposite end being formed with a downwardly extending jaw and with a laterally projecting pin, a complementary jaw for each supporting jaw having a longitudinally extending slotted shank disposed against the supporting bar and into which slot the corresponding pin projects, a foot plate having laterally projecting pins at its lower end which engage through the slots in the outer ends of said bars, legs mounted upon said pins, nuts engaging the pins and holding the legs and rear end of the foot rest in adjusted positions, braces pivotally connected to the forward end of the foot

rest and longitudinally slotted, the pins on the bars passing through said slots, and nuts engaging said pins and holding the braces in vertically adjusted position and the corresponding longitudinal bar and shank in adjusted relations.

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

OLIVER FRANK WOOLLEY CROMWELL.

Witnesses:

PARKER G. TENNEY,

J. R. BENTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."