H. LANG.

RADIATOR COVER.

APPLICATION FILED JAN. 23, 1920.

1,372,302. Patented Mar. 22, 1921.

2 SHEETS—SHEET 1.

Fig. 1.

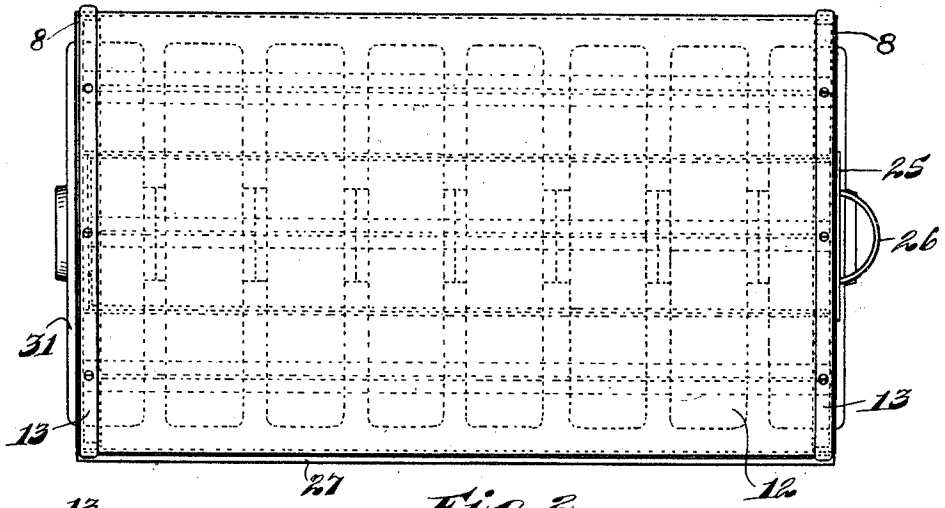
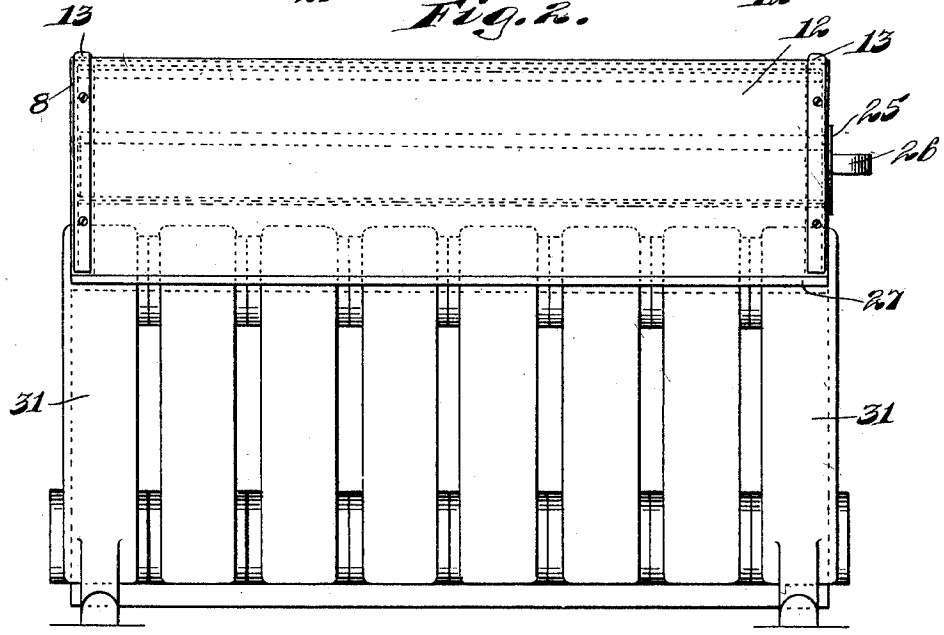


Fig. 2.



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Inventor:
Henry Lang,
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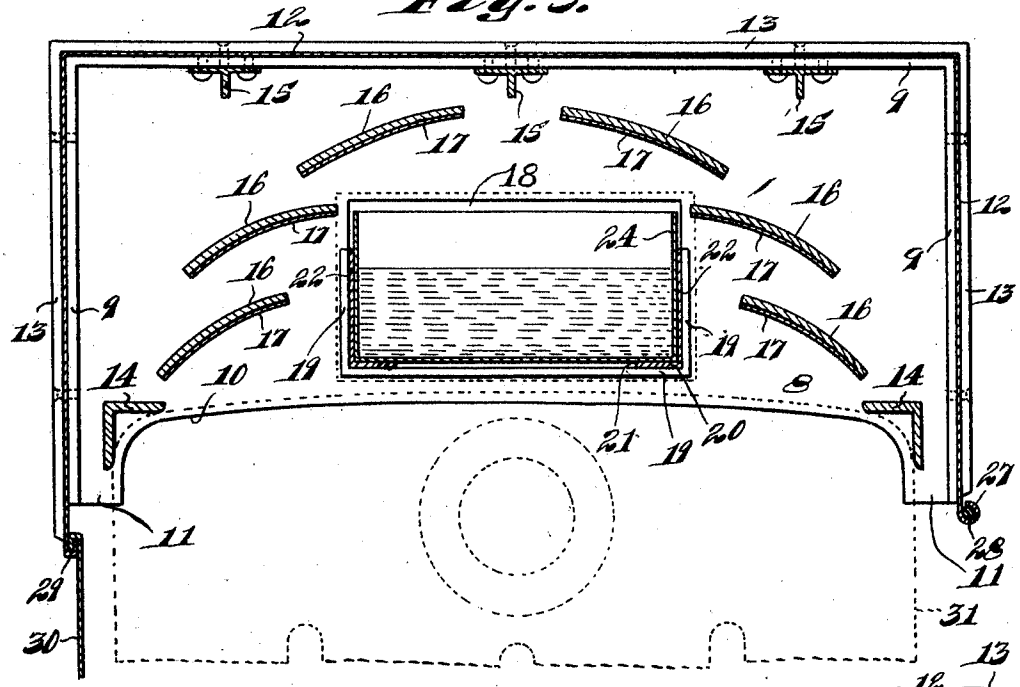
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2 SHEETS—SHEET 2.

Fig. 3.



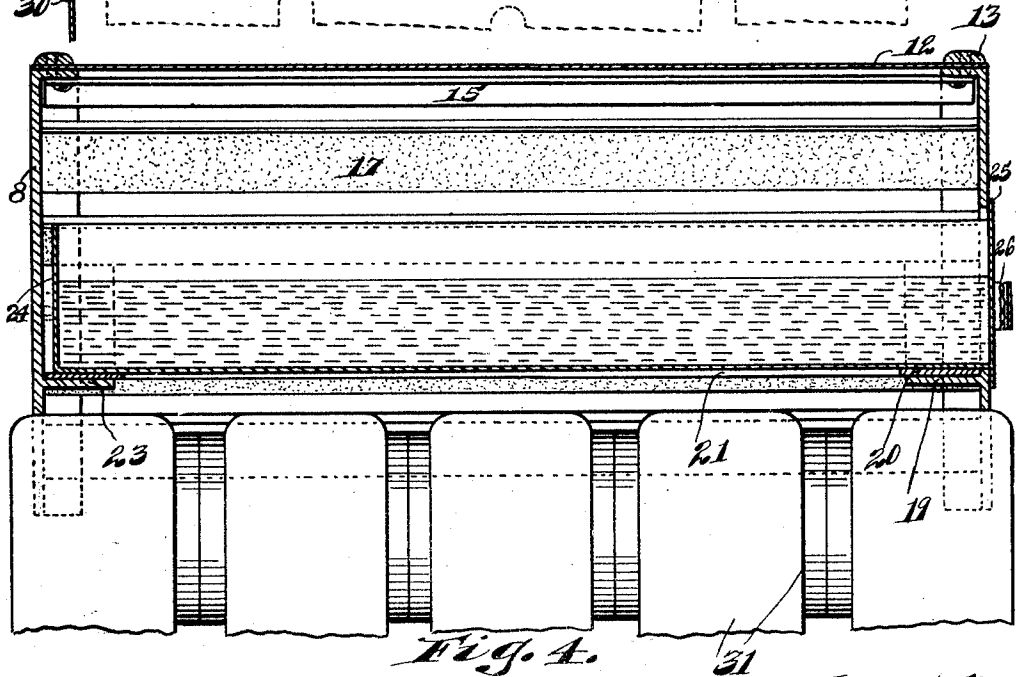


Fig. 4.

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UNITED STATES PATENT OFFICE.

HENRY LANG, OF CHICAGO, ILLINOIS.

RADIATOR-COVER.

1,372,302. Specification of Letters Patent. Patented Mar. 22, 1921.

Application filed January 23, 1920. Serial No. 353,412.

To all whom it may concern:

Be it known that I, HENRY LANG, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Radiator-Covers, of which the following is a specification.

My invention relates to new and useful improvements in radiator covers, and has for its object the provision of a radiator cover which will be simple and durable in structure, economical in manufacture, and highly efficient in use.

Another object is the provision in a radiator cover of means for supporting the same, when used with a radiator.

Another object is the provision of means in a radiator cover for collecting the dust rising under the same.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,

Figure 1 is a top plan view of my invention applied to a radiator,

Fig. 2, is a side elevational view of the invention applied to a radiator,

Fig. 3, is a transverse vertical sectional view of my invention, and

Fig. 4, is a longitudinal vertical sectional view of the invention applied to a radiator.

The preferred form of construction, as illustrated in the drawings, comprises end members 8 on three of the edges of which are provided inwardly extending flanges 9. The lower edge of each member 8 is recessed as at 10, so as to conform to the contour of the radiator with which the device is intended for use. As shown, the recessed portion 10 does not extend to the ends of the members 8 and thus there is formed a portion 11, which projects downwardly at either side of the radiator, when the device is in assembled position. In the invention, it is designed to use two of the members 8 which are positioned at opposite ends of the device. A sheet metal covering 12 is secured to the members 8 at its opposite ends by means of strips 13 which are fastened to the flange 9 at the upper edge of the end members by suitable bolts or rivets which extend through the member 13 through the covering 12 and through the flange 9. Connecting the end members 8 at opposite sides thereof are angle irons 14, which, when the device is placed upon a radiator, are adapted to support the hood-forming portion. Extending longitudinally of the hood member 12 and secured to the end members 8 adjacent their upper edges are T irons 15. Extending longitudinally of the device and secured at their opposite ends to the end members 8 are arcuate deflecting members 16 which are arranged upon the members 8 in staggered relation to each other. The lower side of each member 16 is covered with a suitable layer of asbestos 17 which serves as a dust collector and also at the same time as a deflecting agency. One of the end members 8 is provided with an opening 18 extending around three of the sides of which and projecting interiorly of the hood is a flange 19, upon, and horizontally around which is positioned a sheet metal supporting member 20, the ends of which are turned upwardly to form vertically extending portions 22. The member 20 is provided with an enlarged slot 21 which permits the passage of the heat from the radiator to the object positioned upon the member 20. A pan 24 is provided, which is designed to fit snugly within the member 18 and rest upon the member 20, the side members of the pan engaging the portions 22. One end of the pan 24 is provided with a flange 25 which is adapted to overlap the edges of the opening 18 and to close the same when the pan is positioned therein. A suitable handle 26 is provided upon the pan by means of which the same may be slid to and fro within the opening 18. One of the edges of the member 12 is curled to form a looped portion 27 in which is positioned a reinforcing rod 28. The lower edge of the opposite side of the member 12 is doubled upon itself to form a hook portion 29, in which a metal apron 30 is adapted to engage.

My invention is designed for use with a radiator, such as is used in the heating plants of buildings. My invention affords a means of humidifying the atmosphere of the room and also affords a means for deflecting heat from the radiator 31 toward the floor of the room, thereby increasing the heating efficiency of the radiator itself. The opening 21 establishes closer connection between the radiator and the pan 24, in which the

water is contained. Through the use of this water, humidifying effects result. By covering the under side of each member 16 with asbestos, or felt, the deflecting power of the member itself increases and means are afforded for collecting the dust which arises within the cover itself. It will be noticed that the top of the cover is flat, thereby affording a rest for different objects and also providing a suitable seat. The members 15 serve to reinforce the hood itself, while the members 14, engaging against the sides of the radiator, present a durable supporting member for the device.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of the construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A device of the class described comprising end members; a covering mounted on said end members; inwardly curved, overlapping deflecting members connecting said end members; and an asbestos covering mounted on the under surface of each of said deflecting members, substantially as described.

2. A radiator cover comprising end members; a covering mounted on said end members; deflecting members mounted in overlapping relation on said end members; an asbestos covering for the under surface of each of said deflecting members; and angle irons connecting said end plates for supporting said cover when positioned upon a radiator, substantially as described.

3. A radiator cover comprising substantially rectangular end members; angle irons connecting said end members for supporting said cover; a slotted supporting member connecting said end members; a liquid container slidably carried on said supporting member and removable through an opening in one of said end members; overlapping deflecting members curved toward said container and mounted on said end members; and a flat topped hood mounted on said end members, covering the other members and adapted to serve as a seat, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY LANG.

Witnesses:
SYLVIA BRONSTEIN,
ROSE K. TRIB.