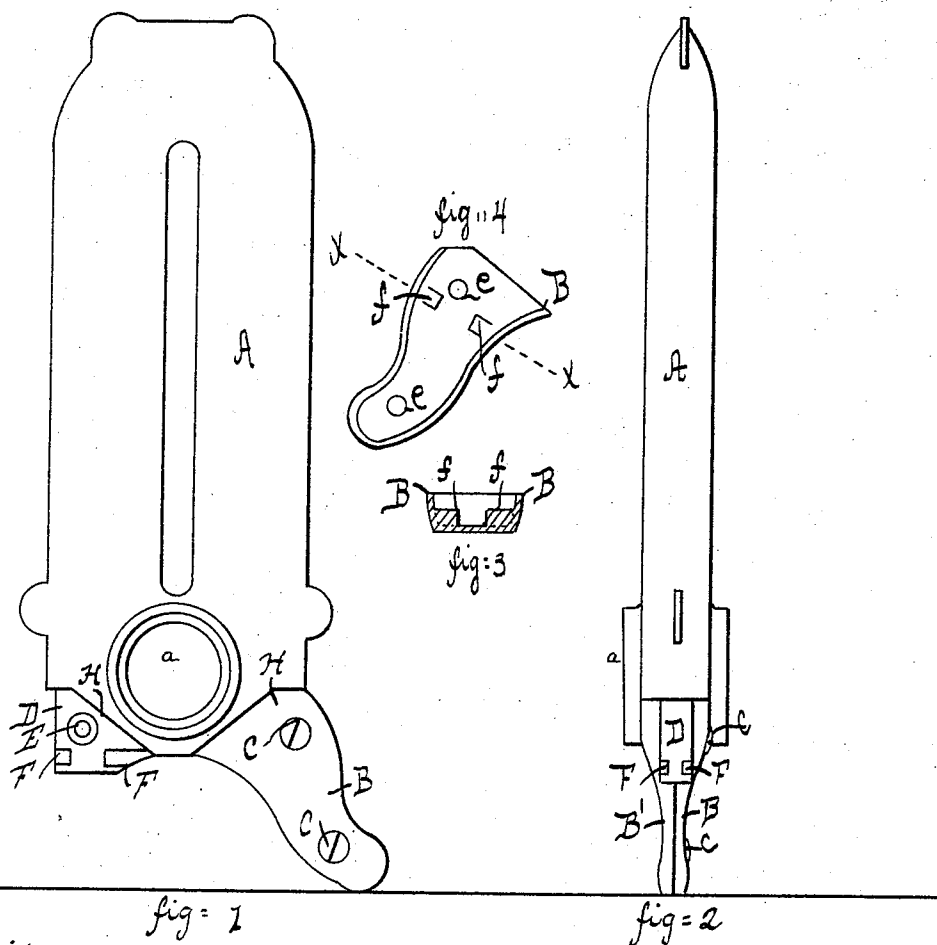


(No Model.)

E. E. MANN.
RADIATOR LEG.

No. 498,131.

Patented May 23, 1893.



fig= 1

fig= 2

Witnesses
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UNITED STATES PATENT OFFICE.

ERNEST E. MANN, OF DETROIT, MICHIGAN, ASSIGNOR TO THE AMERICAN RADIATOR COMPANY, OF ILLINOIS.

RADIATOR-LEG.

SPECIFICATION forming part of Letters Patent No. 498,131, dated May 23, 1893.

Application filed February 6, 1893. Serial No. 461,182. (No model.)

To all whom it may concern:

Be it known that I, ERNEST E. MANN, of Detroit, in the county of Wayne and State of Michigan, have invented a new and useful Improvement in Radiator-Legs, of which the following is a specification.

My invention consists in an improvement in radiator legs, hereinafter fully described and claimed.

Figure 1 is an end elevation of the end section of a radiator with one leg in position and one removed. Fig. 2 is a side elevation of Fig. 1 looking from the left. Fig. 3 is a section on line *x-x*, Fig. 4, and Fig. 4 is an inside plan view of one-half of one of the legs.

In building radiators, especially of that class made up by assembling a series of cast loops, it is customary to provide the end sections, and frequently (when the radiator is long) the middle section with legs to support the radiator clear from the floor. The requirements as to the length of the legs varies in different places, and not infrequently it is required to have legs of different lengths at the two ends of a single radiator. When the section and legs are cast together, as at present, this requires either carrying in stock a large number of patterns for end sections, or else making special patterns to order. My invention obviates this difficulty by casting the lower end of the end sections with a lug to receive detachable legs, and then casting the legs separately in halves, to bolt to the lower end of the sections. By this means only the patterns for the legs need be kept and any length of leg will fit any section.

A represents a cast radiator loop or section adapted to be connected to another loop or to a supply or discharge pipe, at the opening *a*. At the bottom of each side of loop A, I cast a downwardly projecting lug D, of less thickness than loop A, as shown in Fig. 2, and join said lug and loops by an inclined and horizontal shoulder H, as clearly shown in Fig. 1. I also cast in the opposite faces of lug D two recesses F F, which may be the shape shown

in the drawings, or any other convenient shape. Leg B, I form of two similar castings made to fit together and embrace between them at their upper ends lug D, and I provide these castings with lugs *ff* to fit the recesses F F, and form the upper end of the leg to fit the shoulder H.

ee represent bolt-holes through the legs, and E represents a bolt hole through lug D.

C C represent two bolts which pass through the halves of leg B, the upper one passing through hole E in lug D, and the end of bolt C may be either tapped into one of the castings D or pass entirely through said openings and be provided with a nut on its inner end, though I prefer the first above named method.

It is evident that the recesses F F and lugs *ff* may be transferred from one part to the other, and that they may be materially changed in size and shape or may be entirely omitted, it being only advisable to use some device of this kind to reinforce the upper bolt C.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. In combination with a radiator loop having on its lower end a lug of less thickness than said loop, a leg formed in halves and secured on said lug, substantially as and for the purposes set forth.

2. In combination with a radiator loop, a lug formed on its lower end having recesses therein, and a leg formed in halves and provided on its inner sides with lugs to engage said recesses, substantially as shown and described.

3. In combination with a radiator loop A having a lug D formed thereon having recesses F F and the shoulder H, the leg B made in halves, having therein the lugs *ff* and fitted at its upper end to engage with shoulder H and held in position by bolts C C, substantially as shown and described.

ERNEST E. MANN.

Witnesses:

RALPH M. DYAR,
GEO. G. DIXON.