

(No Model.)

W. J. BALDWIN.
ATTACHMENT FOR RADIATORS.

No. 518,801.

Patented Apr. 24, 1894.

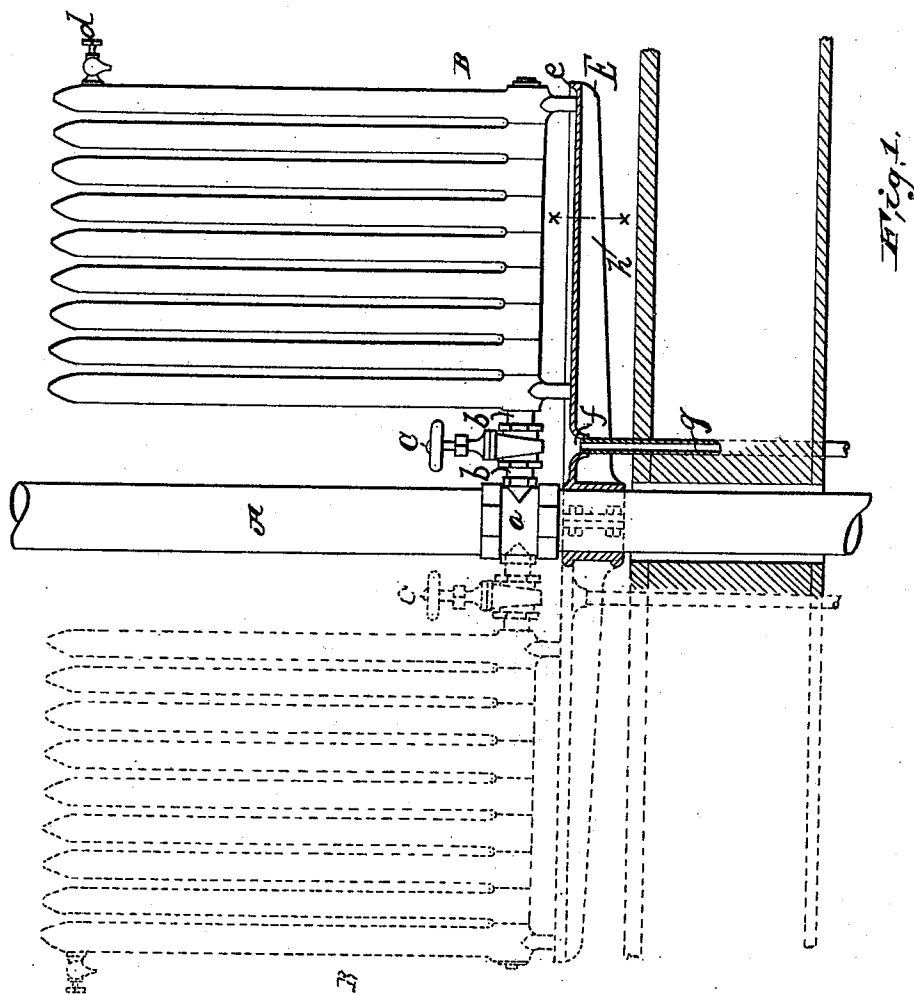


Fig. 1.



Fig. 2.

Attest:
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ATTACHMENT FOR RADIATORS.

SPECIFICATION forming part of Letters Patent No. 518,801, dated April 24, 1894.

Application filed September 7, 1893. Serial No. 485,037. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. BALDWIN, a citizen of the United States, and a resident of Brooklyn, in the county of Kings, State of New York, have invented a certain new and useful Improvement in Attachments for Radiators, of which the following is a specification.

My invention relates to improvements in radiators and attachments therefor, and particularly to means for supporting radiators on the heating pipes with which they are connected, so that the radiators will follow all the expansions and contractions of the pipe, and there will be no strain on nipples and branches, which connect the radiators with the main pipe.

In present practice, the radiator or coil, is supported on the floor or walls of the building, and therefore, in the case particularly of long lines of main rising pipe, as used in modern high buildings, the expansions and contractions of the main line of pipe put great strain on the branches which lead to the radiators, frequently breaking the said branches, and changing their alignment. I overcome this difficulty by supporting the radiators on the main pipes by platforms, which follow all the movements of the main pipe. Thus the radiator moves within the limits of the expansions and contractions of the main pipe, and there is no strain on the branches, and no tendency to disturb the alignment of the branches. I also prefer to form the supporting device as a safe, which will protect the floors and ceilings from damage in case of leakage from the radiator or injury thereto, although this is not necessary to the essence of the invention.

Referring to the drawings which accompany the specification to aid the description, Figure 1 is an elevation of a radiator supported on a vertical pipe by my device. The dotted lines to the left indicate, that a second radiator may be supported on that side also, thus producing a balance. Fig. 2 is a cross section on the line *xx* of Fig. 1, showing how the platform may be formed to act as a safe.

A is a main line of steam pipe, (which may be either vertical as shown or horizontal.) B is any form of radiator connected therewith by nipples *b b* and T. *a*.

C is the ordinary valve between the steam pipe A and radiator B and *d* is the air valve on the radiator. The said radiator B is supported on the pipe A, in the following manner: E is a platform bolted tightly on the pipe A just above the floor level, and is preferably formed with a turned up rim *e* all around, so as to constitute a safe if desired; *f* is a drip opening connecting with a waste pipe *g*, and *h* are ribs to stiffen the bracket. Said platform E sustains the entire weight of the radiator B, and of course moves with the contractions and expansions of the pipe A, carrying the radiator B with it, so that no strain can ever come on the nipples *b b*.

The radiator B is set freely on the platform E, so that the radiator can slide freely over the surface of the platform, so as to compensate for its own expansions and contractions; and this freedom of movement facilitates the coupling of the radiator to the steam pipe A.

In place of providing the platform E with only one branch, I may form it with two, one to either side of the pipe A, and set a radiator on each, their weight then balancing. Such an arrangement, indicated by dotted lines in Fig. 1, is especially useful in the case of windows separated by a pier. The pipe A will be run up the pier, and the radiators will stand under each window.

Now, having described my improvement, I claim as my invention—

1. The combination with a steam rising line, of a clamp fixed thereon and moving therewith, a platform secured to said clamp, and a radiator set freely on said platform so as to be adapted to move laterally over the surface thereof and also being operatively connected with the said steam rising line, substantially as and for the purpose described.

2. A platform for radiators adapted to be fixed on a steam pipe and forming a safe and support for the radiator, substantially as and for the purpose described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 21st day of August, 1893.

WILLIAM J. BALDWIN.

Witnesses:

BERNARD J. ISECKE,
DAVID W. BROWN.