

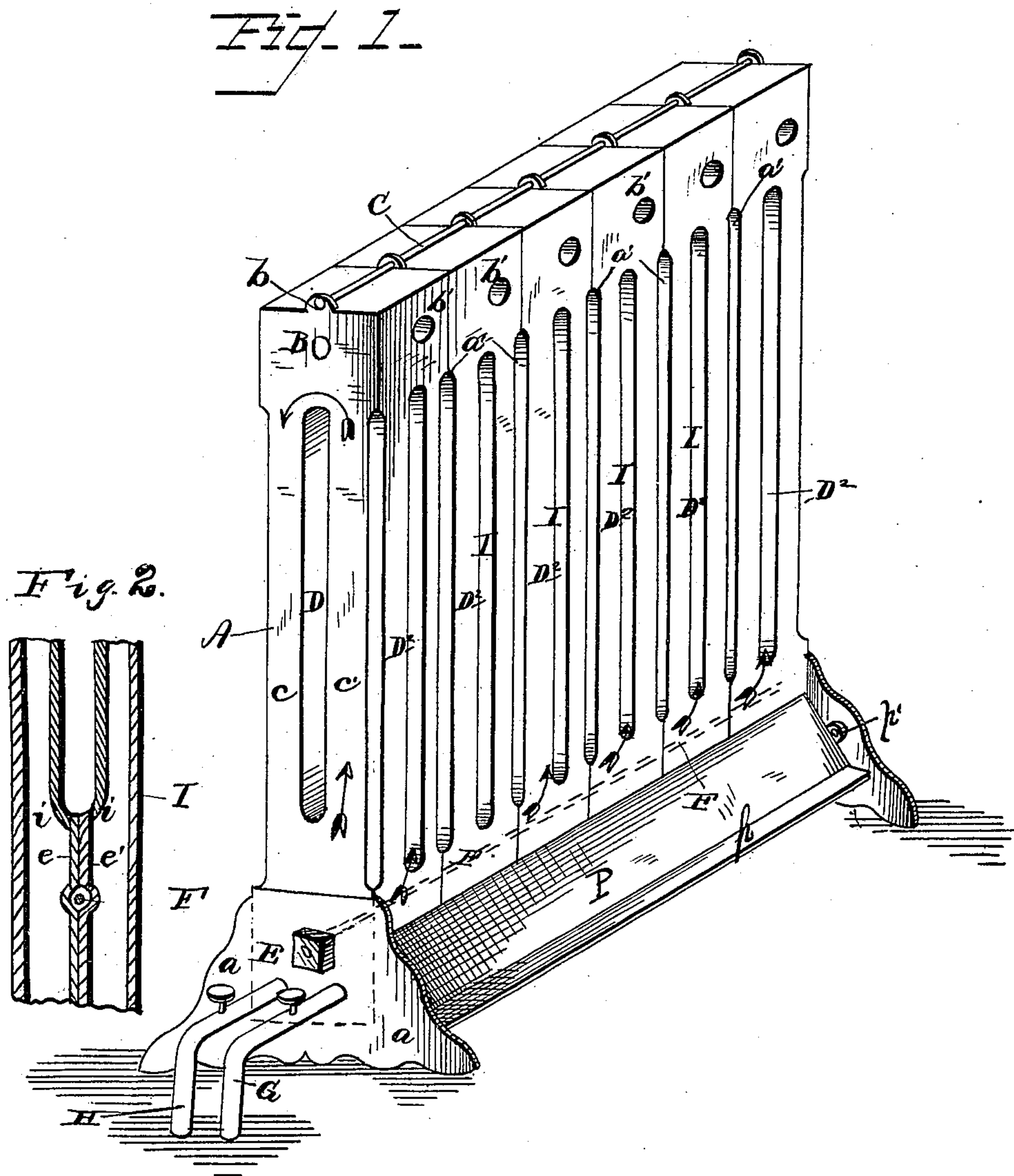
(No Model.)

2 Sheets—Sheet 1.

C. WHEAT.  
STEAM RADIATOR.

No. 297,325.

Patented Apr. 22, 1884.



WITNESSES  
F. L. Curran  
C. H. Bradford

INVENTOR  
Clydon Wheat  
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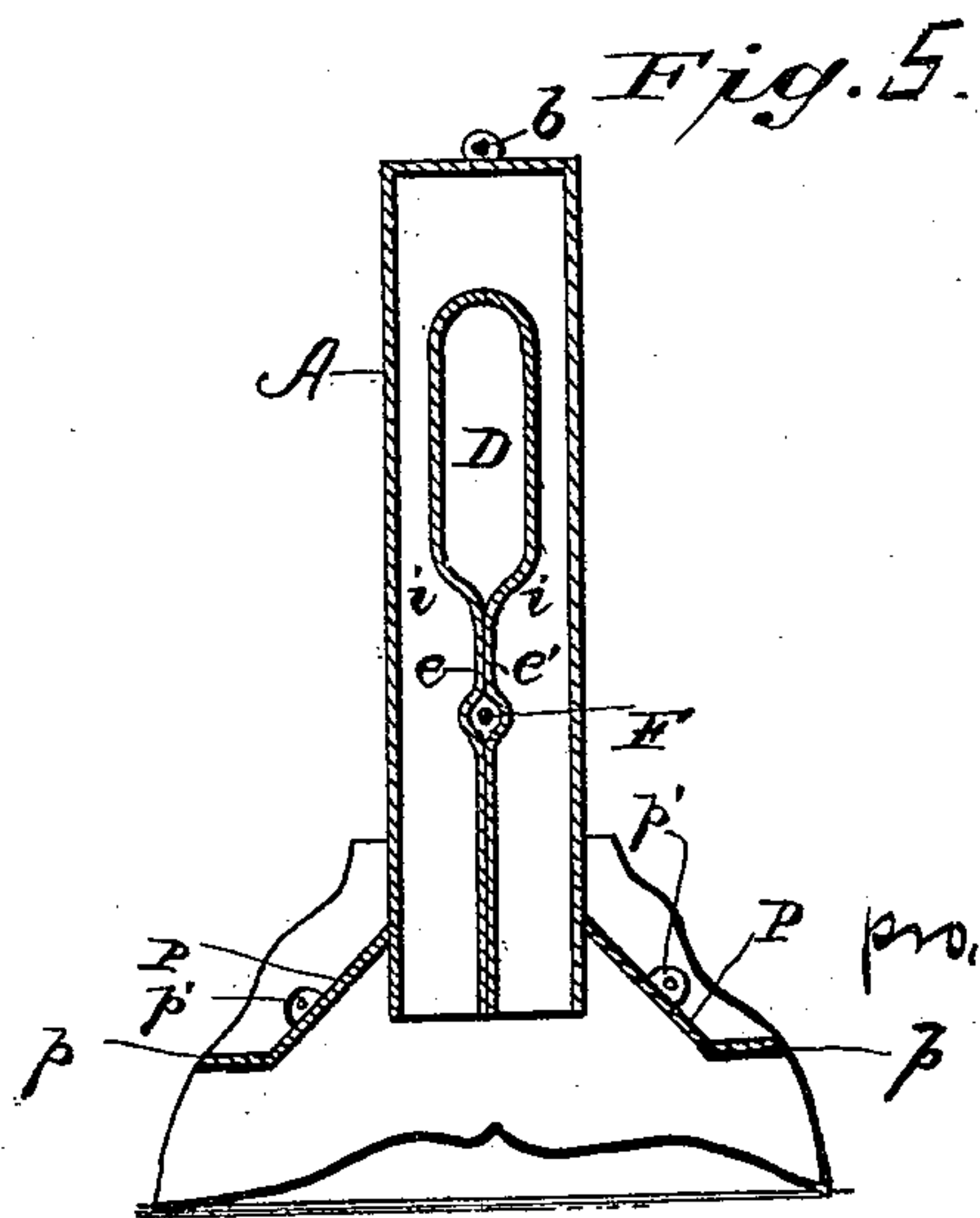
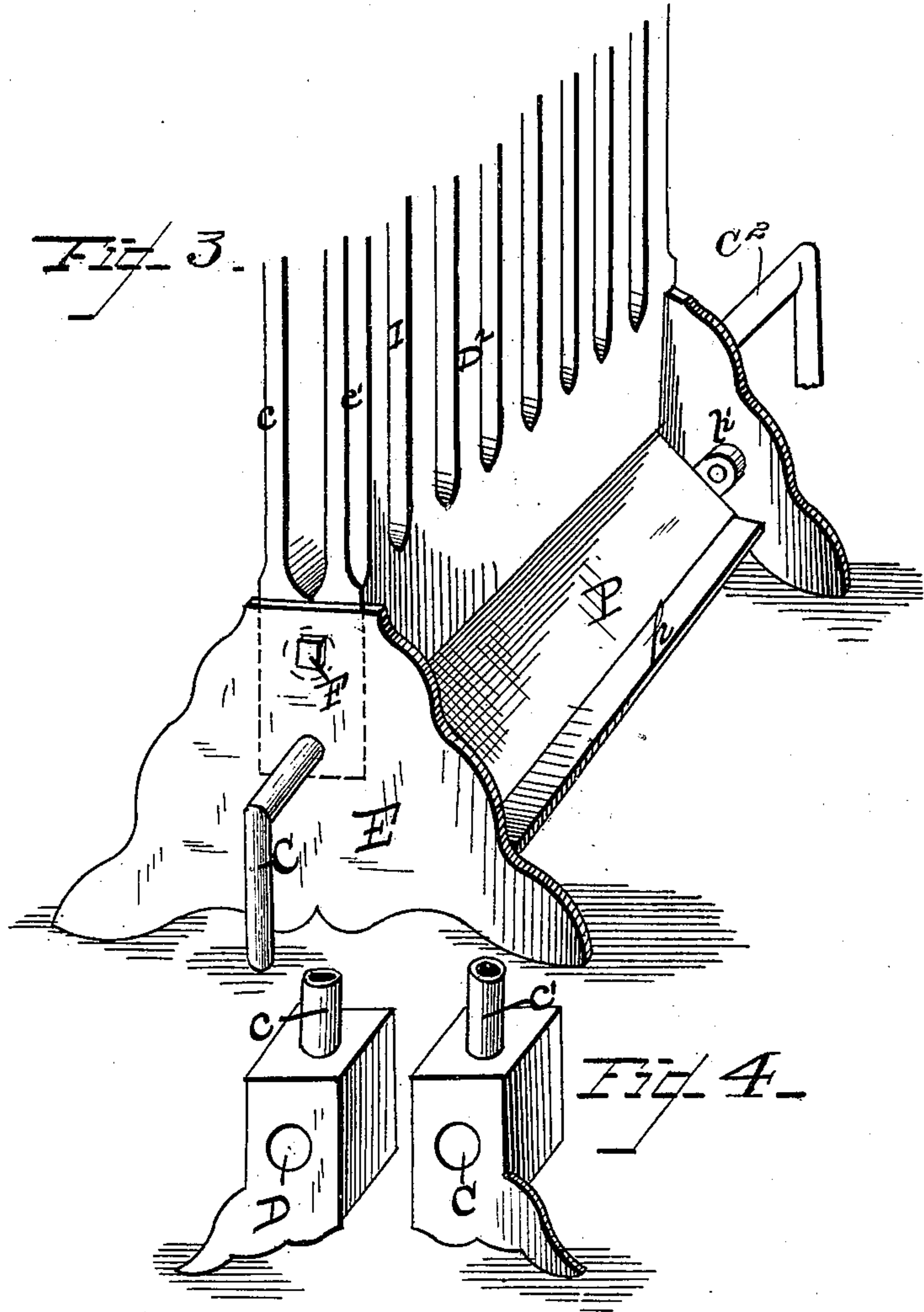
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# UNITED STATES PATENT OFFICE.

CORYDON WHEAT, OF GENEVA, NEW YORK.

## STEAM-RADIATOR.

SPECIFICATION forming part of Letters Patent No. 297,325, dated April 22, 1884.

Application filed March 8, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, CORYDON WHEAT, a citizen of the United States, residing at Geneva, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Steam-Radiators, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention has relation to steam-radiators, and its object is to provide a simple, effective, and inexpensive, as well as ornamental, form of radiator for general use; and the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claims.

Figure 1 is a perspective elevation of my improved radiator; Fig. 2, a vertical sectional view of the sections I, showing the partitions, to be hereinafter described. Figs. 3 and 4 represent, respectively, perspective views of modifications of my invention, the latter showing two of the parts partly constituting the form shown in Fig. 4 detached; and Fig. 5 represents a vertical sectional view of one of the sections, showing the internal construction of the same and the foot-rests applied thereto.

A is the terminal or end section, and is provided with bracket-feet *a a*, on which it rests. Its top B is formed square, and has a lug, *b*, cast thereon to receive the bolt C. This section A is divided into two compartments, *c c'*, by the air-passage D, which extends from the base of the top B to within a short distance of the base E, and the base itself has a vertical partition, *e*, a portion of which is curved at *e'*, to permit the passage of the bolt F. The steam enters through the pipe G, thence ascends, and follows the direction of the arrows and finds its exit through the drip-pipe H; or the drip-pipe may be on the opposite side, as indicated in Fig. 3. When a number of these sections are bolted together, as shown in Fig. 1, the extreme end ones are counterparts of each other, while the intermediate ones, I I I, are a trifle shorter in length, and of course the legs *a a* are dispensed with. Each of the sections I has the partition *e e'*, having each

longitudinal depressions, between which is formed a passage for the connecting-bolt, and at each side of said partition passages *i i* are formed. The steam passes from one to the other through the whole series, and ascends up one side and down the other, when it finds its escape through the drip-pipe H. The sections are provided with recessed faces *a'*, so as to provide a passage for the external air between the central portion of each section, and these transverse passages are similar in effect and for the same object as the longitudinal one, D.

P is a foot-rest, which may be cast in any ornamental shape, and it extends upward at an angle from the bottom of the sections, and it has a rib or ledge, *p*, upon which to rest the heel of the shoe and prevent the feet slipping off, and the whole is secured to the end sections by the lugs *p'*.

In Figs. 1, 4, and 5 the steam-inlet and drip are located in the same end of the radiator, while in Fig. 3 the steam-inlet is located at one end of the radiator, and the outlet or drip at the other.

The radiator illustrated in Fig. 3 differs from that in Fig. 1 in no essential part, save that in Fig. 3 the steam-inlet pipe C enters one end and the steam-outlet pipe *c'* connects with the opposite end of the radiator. In Fig. 4 two of the section-bases are illustrated in detail.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a radiator, the combination, with the end sections divided into vertical compartments, having a partition in the lower part thereof, and the intermediate sections having each vertical compartments and dividing-partitions in the lower parts thereof, of the inclined foot and heel rests, the said end and intermediate sections and rests being secured together, substantially as described.

2. In a radiator, the combination, with the end sections divided into vertical compartments, having vertical partitions in the lower parts thereof, an outlet and a drip pipe, of the intermediate sections having vertical compartments, and vertical partitions in the lower

parts thereof, the said sections being secured together by bolts passing through lips at the top, and through a passage formed between and near the bottom of the partitions, and  
5 provided with the inclined and horizontal foot and heel rests at each side thereof, substantially as shown and described.

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

CORYDON WHEAT.

Witnesses:

SAML. S. GRAVES,  
A. L. CHEND.