

(No Model.)

J. A. SOHN.
FOOT REST FOR STEAM RADIATORS.

No. 410,213.

Patented Sept. 3, 1889.

Fig. 1.

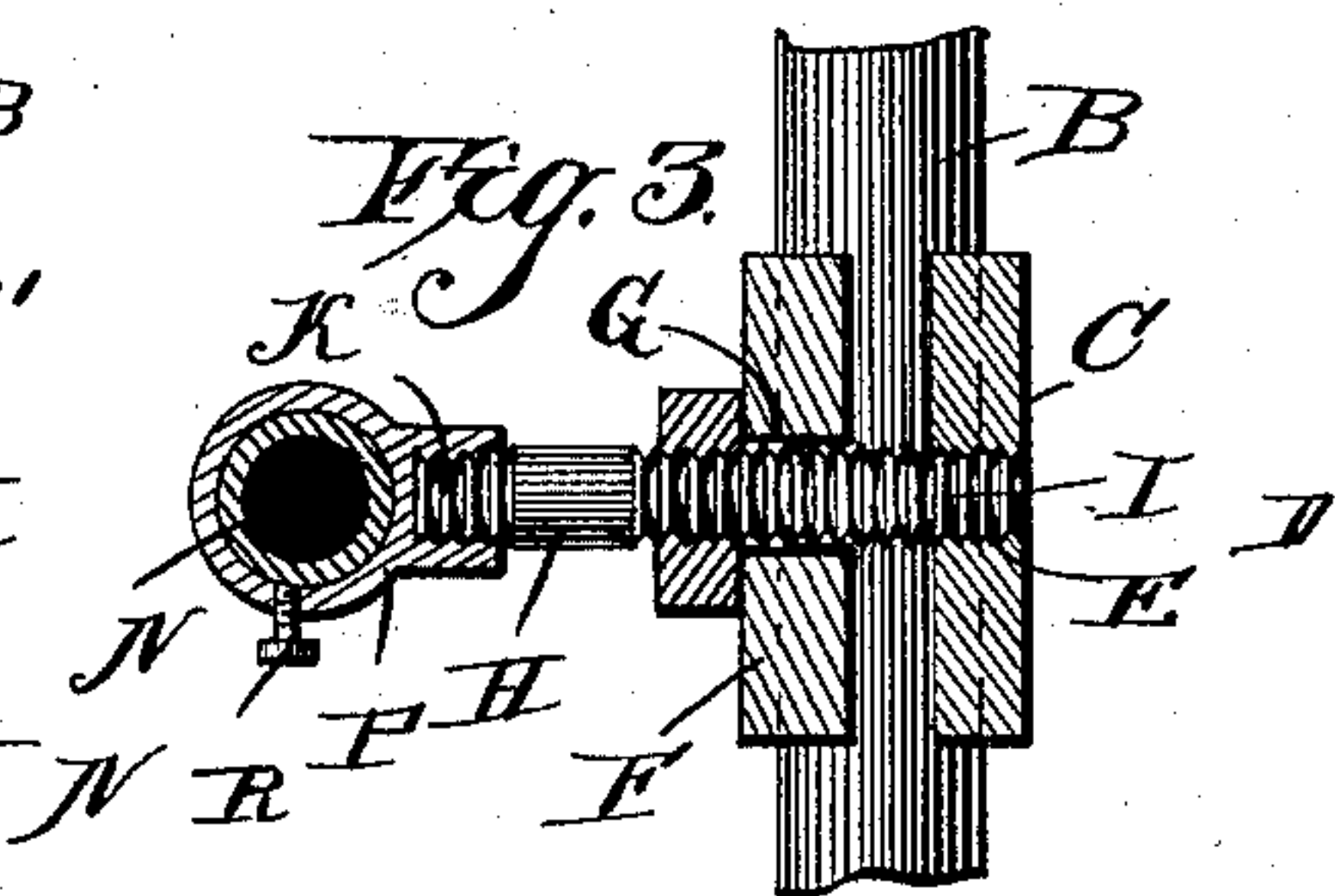
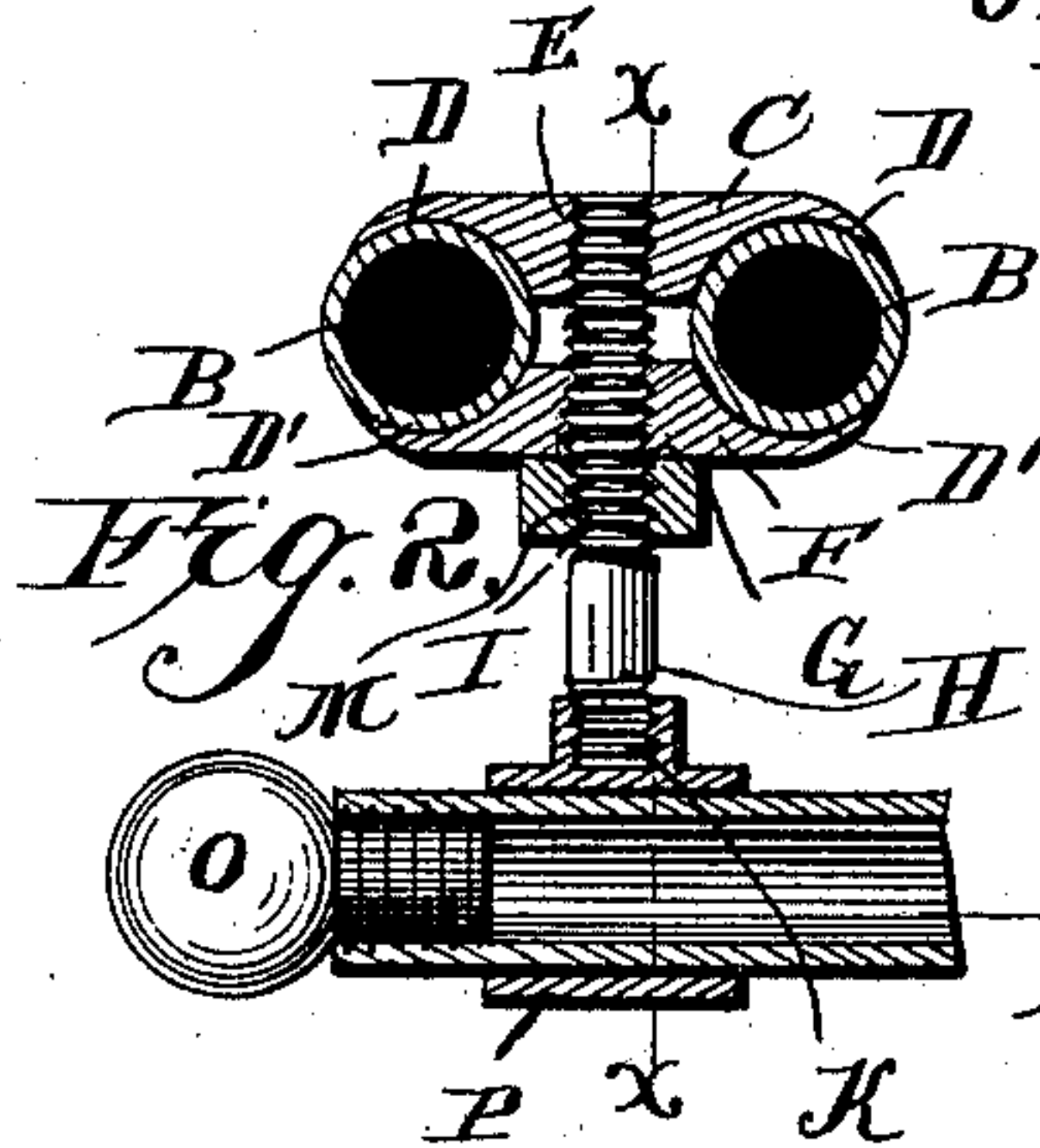
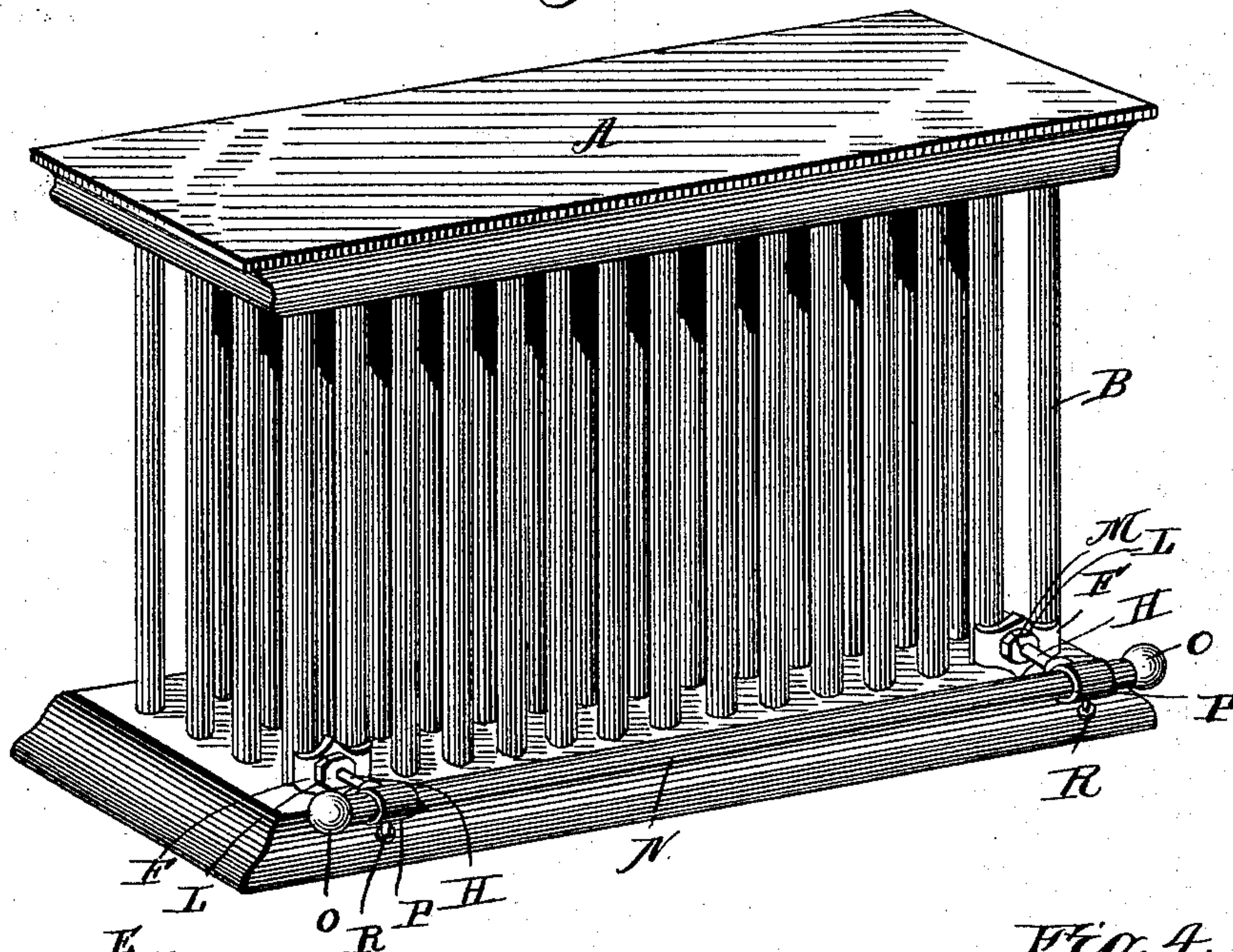


Fig. 4.

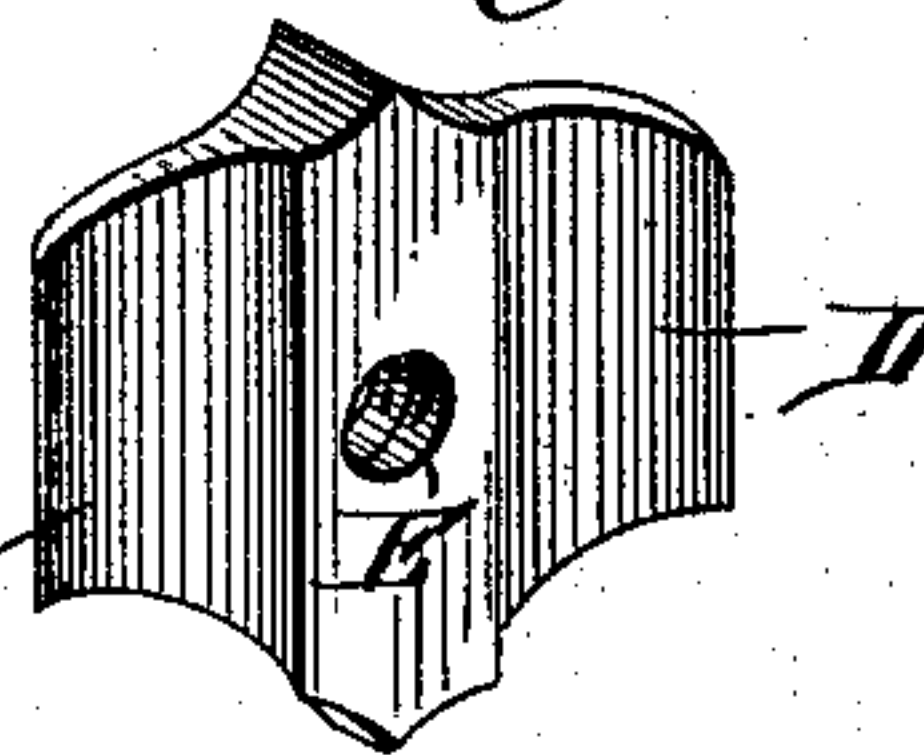


Fig. 5.

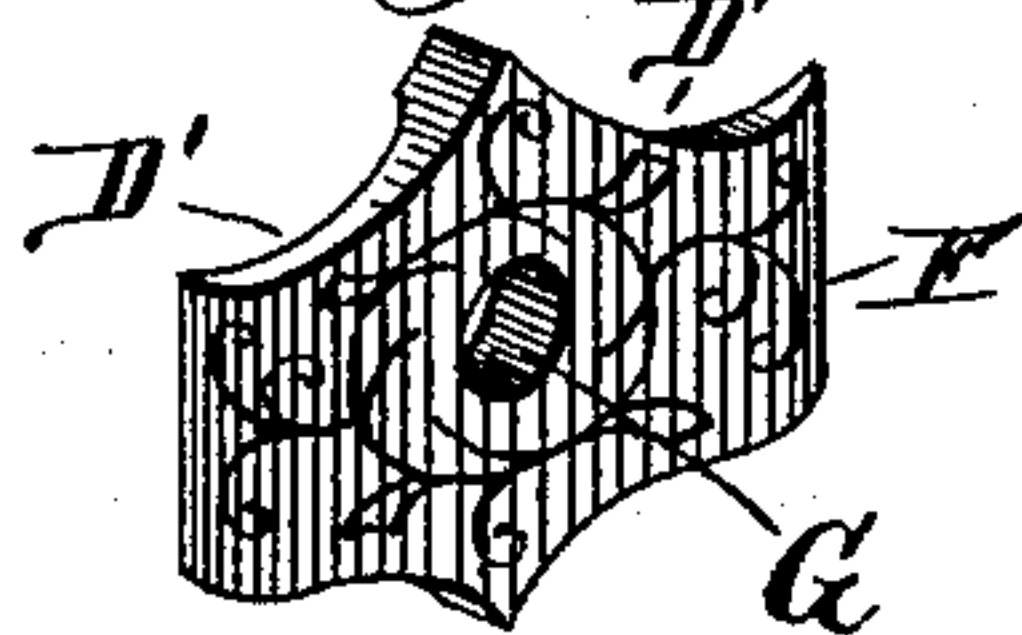


Fig. 6.

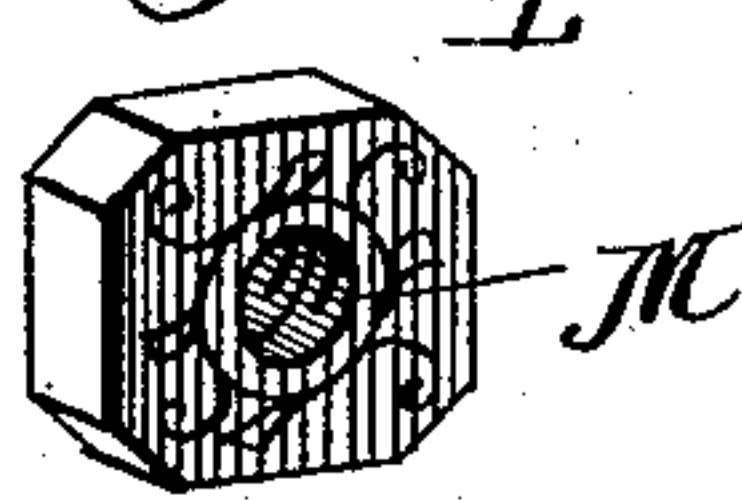
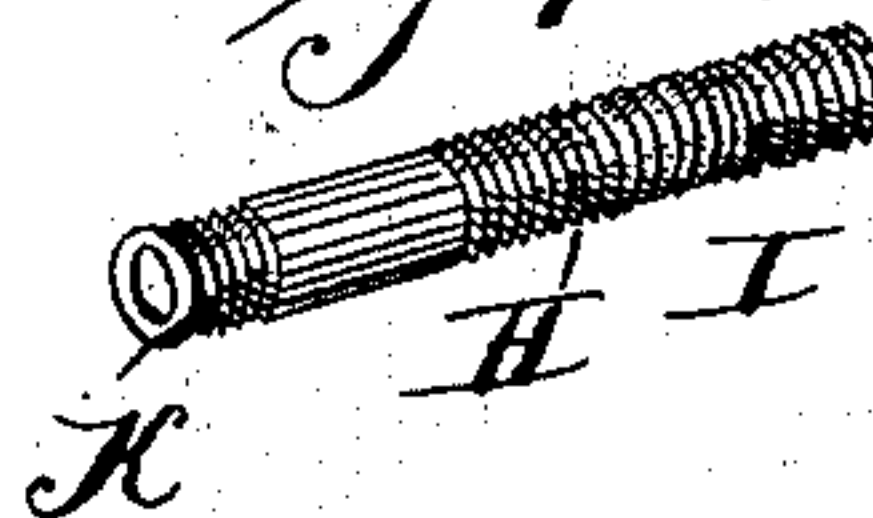


Fig. 7.



Witnesses
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UNITED STATES PATENT OFFICE.

JACOB ANDREW SOHN, WICHITA, KANSAS.

FOOT-REST FOR STEAM-RADIATORS.

SPECIFICATION forming part of Letters Patent No. 410,213, dated September 3, 1889.

Application filed February 15, 1889. Serial No. 299,934. (No model.)

To all whom it may concern:

Be it known that I, JACOB ANDREW SOHN, a citizen of the United States, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented new and useful Improvements in Foot-Rests for Steam-Radiators, of which the following is a specification.

My invention relates to improvements in foot-rests for steam-radiators; and it consists in the peculiar construction and combination of devices that will be more fully set forth hereinafter, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of the steam-radiator provided with an adjustable foot-support embodying my improvements. Fig. 2 is a sectional view of my improved foot-support, showing the manner of attaching the same to the steam-radiator. Fig. 3 is a vertical sectional view of the same, taken on the line *xx* of Fig. 2. Figs. 4, 5, 6, and 7 are detailed perspective views of parts of my improved foot-support.

A represents the steam-radiator, which is of the usual construction, and has the usual vertical steam-pipes B.

C represents a clamp, which is substantially rectangular in form, but may be made of any other desired configuration, and has its outer side ornamented, as shown. The said clamp may be made of malleable, wrought, or cast iron, or of brass or other material, and is provided on its inner side with a pair of vertical grooves D, which are adapted to receive the rear or inner sides of a pair of vertical steam-pipes at one end of the radiator. In the center of the said clamp is the threaded opening E.

F represents a clamp, which is similar in size, shape, construction, and ornamentation to the clamp C, and is likewise provided on its inner side with vertical grooves D', adapted to receive the front sides of the pair of vertical pipes, whereby the said clamp may be arranged directly opposite the clamp C. The clamp F is further provided at its center with a smooth opening G.

H represents an arm or rod, which is provided with screw-thread I, extending for a suitable distance from its inner end. The said rod or arm is provided at its outer end with screw-thread K.

L represents a washer, which is octagonal in form or of other suitable shape, has its outer side ornamented in suitable manner, and is provided with a central threaded opening M.

It will be understood by reference to Figs. 1 and 2 of the drawings that I employ two pairs of the clamps C F, arranged at opposite ends of the radiator, and that I employ two of the arms or rods H and two of the washers L. When the clamps C F have been arranged on the inner and outer sides of the steam-pipes, as before stated, the arms H are inserted through the openings G of the clamps F, and their threaded portions I are screwed into the threaded openings E of the clamps C. The washers L are then slipped over the outer ends of the rods or arms H, and are caused to engage the outer ends of the threaded portions I thereof, and thereby compress the clamps C F very firmly on the steam-pipes and enable them to be firmly attached thereto at any desired vertical adjustment.

N represents a rod or pipe of suitable length, on the ends of which are screwed removable knobs O.

P represents a pair of T-couplings, which are slipped on the ends of the tube or rod N after having been screwed to the outer ends of the rods or arms H, and thereby serve to support said tube or rod N. The said couplings are provided with set-screws R, which are adapted to clamp the tube or rod therein at any desired longitudinal adjustment. By moving the pairs of clamps up or down on the tubes B the foot-support may be adjusted to any height desired.

A foot-support thus constructed is adapted to be readily attached to a steam-radiator or disconnected therefrom is very simple, is strong and durable, and may be manufactured at slight cost. Its front and rear clamps C F firmly clamp the pipes of the radiator and cannot be sprung out of disengagement therewith, as is the case with similar devices now upon the market and having side clamps.

Having thus described my invention, I claim—

1. The combination, with the steam-pipes, of the clamps C and F, the rods or arms H, passed through the latter and screwed to the

inner clamp C, the washer L, screwed on the said rods or arms and bearing against the outer clamp F, the coupling attached to said rods or arms, and the tube or rod N, supported
5 in the said couplings, substantially as described.

2. The combination of the clamps C F, having the two vertical grooves on their inner sides adapted to engage the front and rear
10 faces of the steam-pipes of the radiator, the rods or arms H, having the screw-threads I, for the purpose set forth, the washers L, the

couplings attached to the rods or arms H and having the set-screws R, and the tube or rod N, adapted to be secured in the said couplings, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JACOB ANDREW SOHN.

Witnesses:

C. V. FERGUSON,
H. L. ARNOLD.