

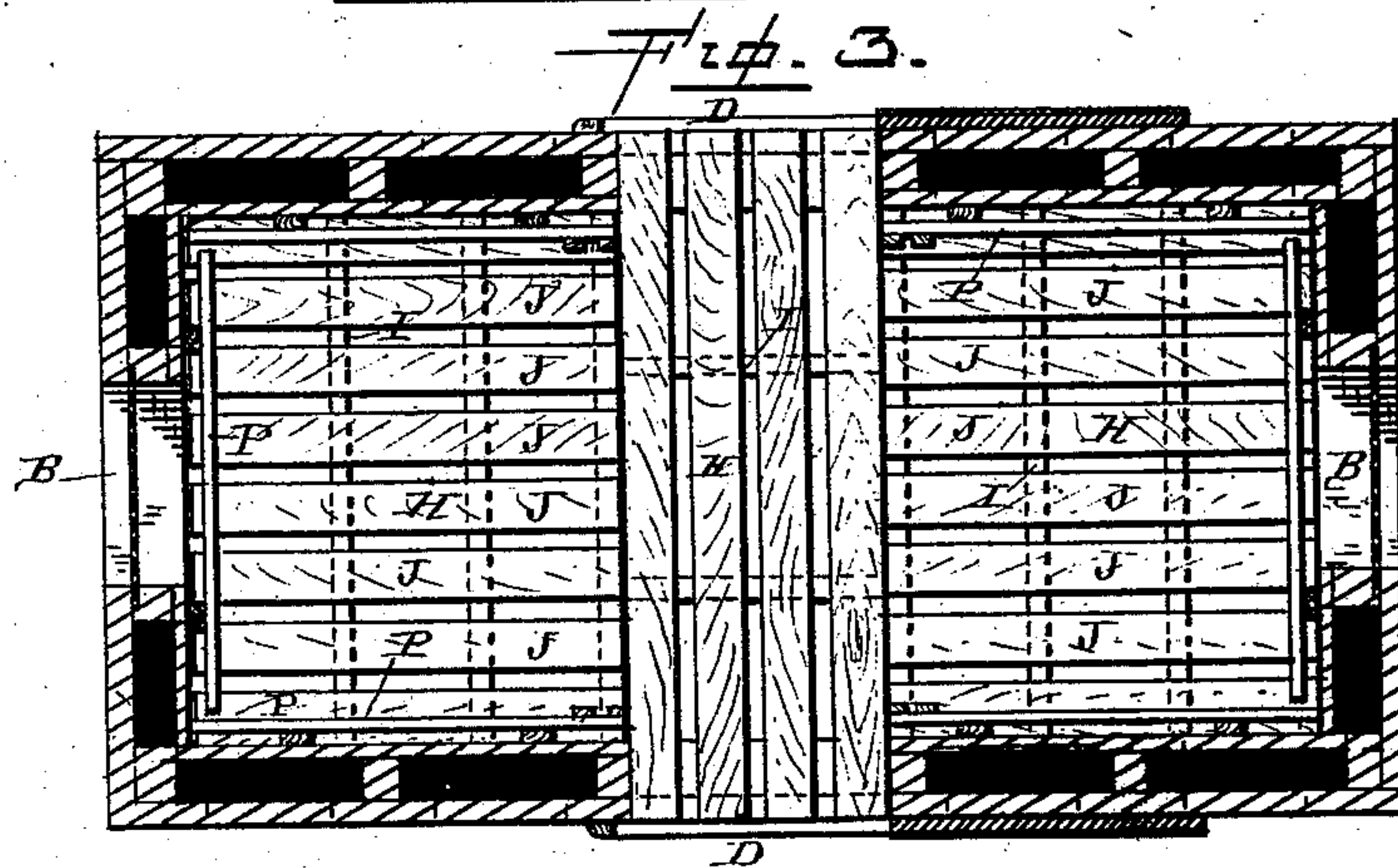
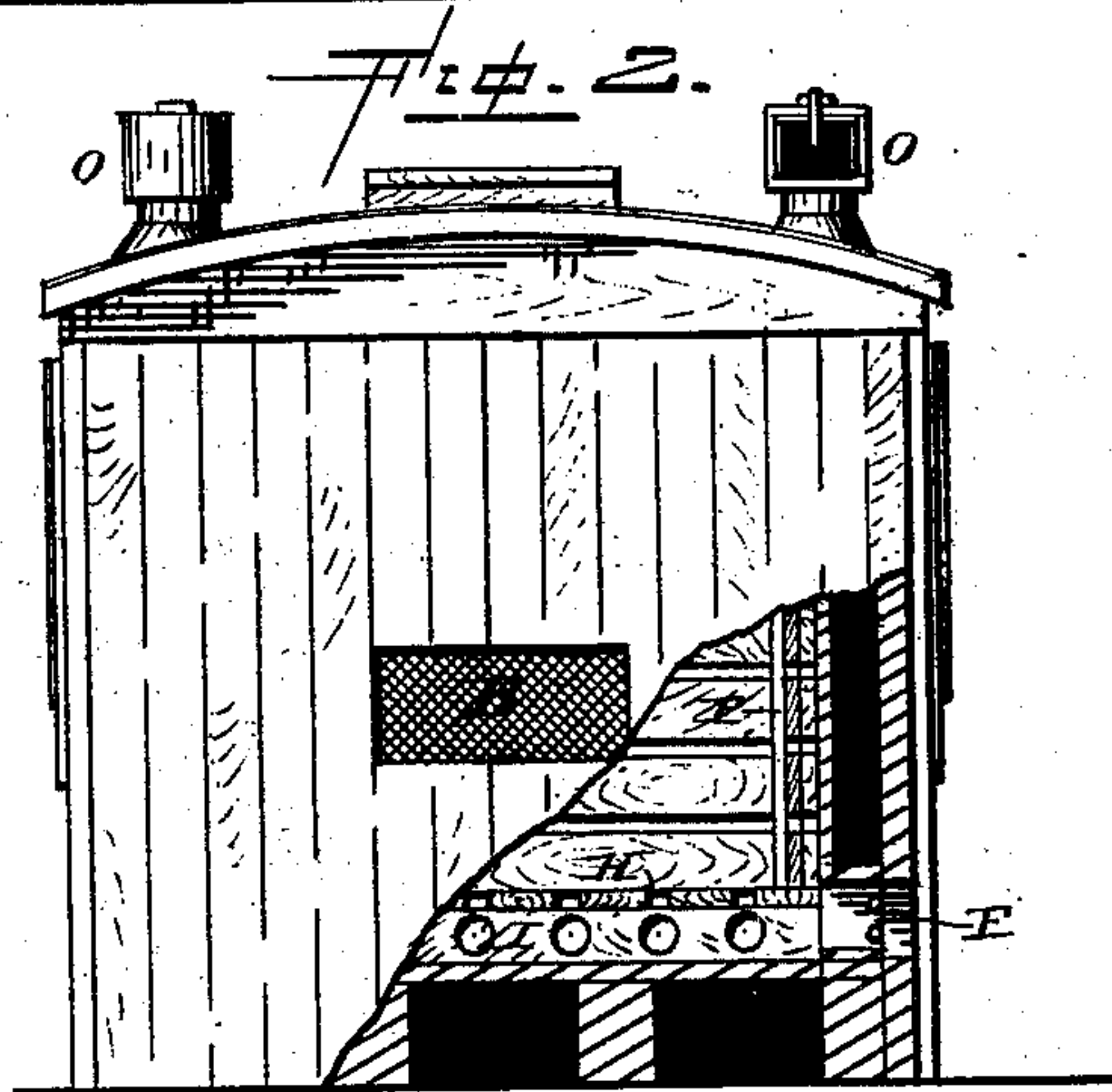
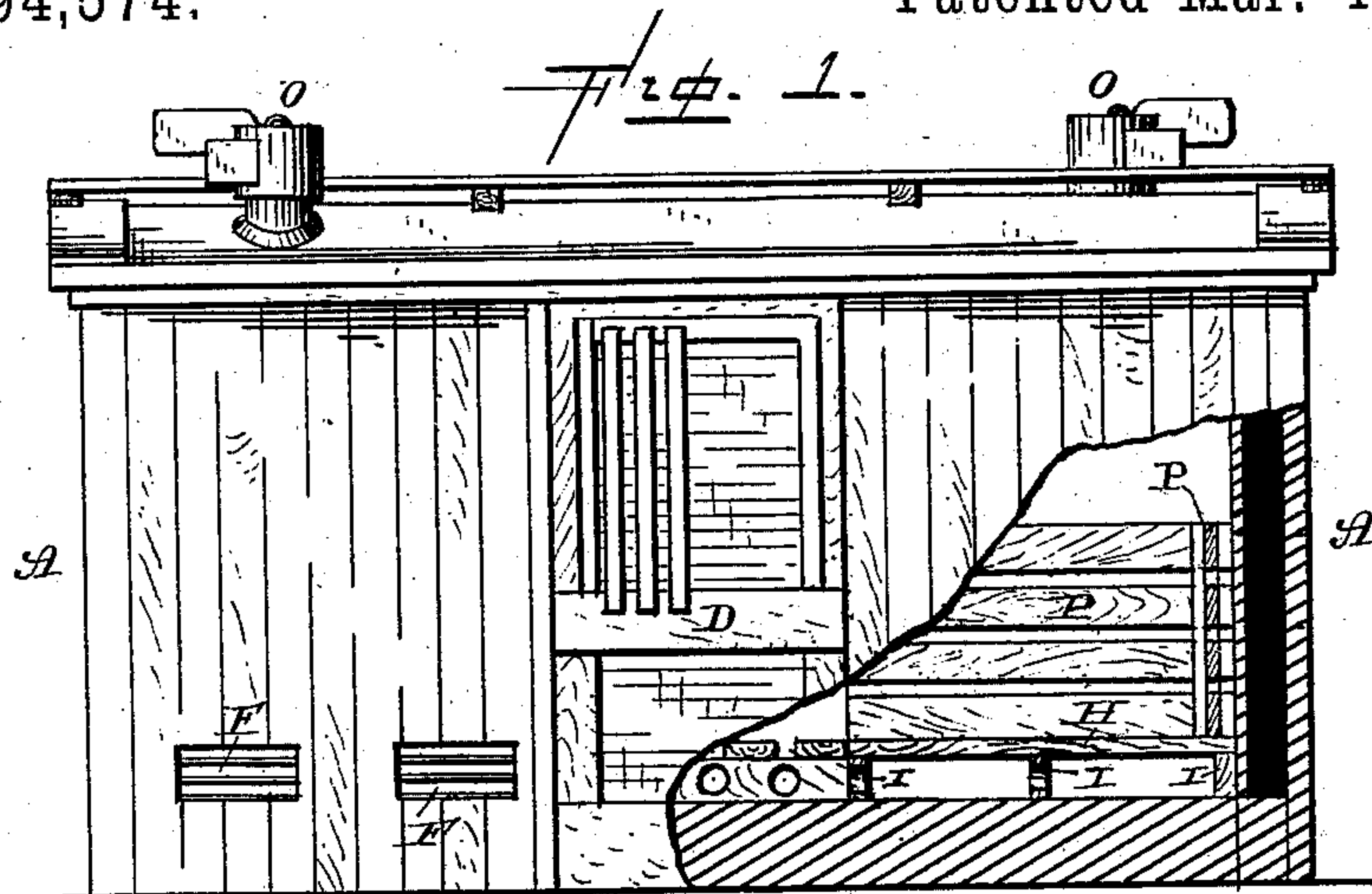
(No Model.)

R. H. BRIGGS & C. PRICHARD.

CAR.

No. 294,574.

Patented Mar. 4, 1884.



— WITNESSES —

Louis F. Crandner
J. W. Garner

— INVENTORS —

R. H. Briggs,
C. Prichard,
per
J. A. Lehmann

UNITED STATES PATENT OFFICE.

RICHARD HENRY BRIGGS AND CLEVELAND PRICHARD, OF WHISTLER, ALA.

CAR.

SPECIFICATION forming part of Letters Patent No. 294,574, dated March 4, 1884.

Application filed July 20, 1883. (No model.)

To all whom it may concern:

Be it known that we, RICHARD H. BRIGGS and CLEVELAND PRICHARD, of Whistler, in the county of Mobile and State of Alabama, have invented certain new and useful Improvements in Cars; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to an improvement in cars for the transportation of vegetables, fruit, and other perishable matter; and it consists in the combination of a car which has suitable openings through its ends and sides, with sections of flooring which are so constructed as to allow free ventilation, and sections of slats or sheathing which are secured to the inside ends and sides of the car, all of which will be more fully described hereinafter.

The object of our invention is to provide a ventilated car in which perishable articles of all kinds can be transported, and through which a constant and perfect circulation of air is kept up.

Figure 1 is a side elevation of a car embodying our invention, partly in section. Fig. 2 is an end view of the same, partly in section. Fig. 3 is a horizontal section.

A represents an ordinary car, of any desired construction that may be preferred. Through each end of this car, about on a line with each other, are the openings B, which are covered with wire-netting of any suitable kind. Through the sides of the car, upon each side of the central doors, D, are made suitable openings, F, which are barred or covered with lattice-work of any kind, and which serve to carry off all of the gases or foul air which settle upon the floor of the car, and to allow a free and perfect upward ventilation of the air through the car.

The flooring is composed of the sections H, and these sections consist of a number of cross-bars, I, which are perforated at different points to allow the air to pass freely through,

and which have a number of slats, J, secured to their upper edges. These slats are separated from each other sufficiently far to allow the air to pass freely through. The central section of the floor between the two doors preferably runs at right angles to the other two sections, as shown in Fig. 3. This construction allows the sections of the flooring to be readily removed at any time, either for the purpose of cleaning the car or for the purpose of removing the flooring when the car is to be used for other purposes than the transportation of perishable articles. This flooring is raised slightly above or about on a level with the openings which are made through the sides of the car, and thus allow currents of air to circulate freely through the car.

Secured around the inner sides and ends of the car at all points, except opposite the doors, are sections of lattice-work, P, of any suitable construction, and which serve to allow ventilating-spaces all around the inside of the car. This lattice-work prevents fruit or other perishable articles from being piled or packed in the car in such a manner as to interfere with the circulation of the air at any point. The air is then left free to pass up underneath the articles, or through from the sides of the car.

Upon the top of the car, at opposite ends, are placed suitable ventilators, O, through which the currents of air which pass into the car from the ends and at the bottom make their escape. While the car is in motion a partial vacuum is formed in the ventilators, and the air naturally flows directly toward and through them. The air, it will be seen, is thus passing constantly through the ends and sides of the car, and rising up through the perishable articles and passing out through the top.

Having thus described our invention, we claim—

1. The combination of the car with sections of flooring which are placed in the ends of the car, and the section of flooring which is placed at right angles thereto, each section being composed of the perforated cross-bars I and the slats J, and the car being provided

with the ventilating-openings F B below the level of the sections, substantially as shown.

2. The car A, provided with the ventilating-holes B F, combined with the sections of
5 flooring, arranged at right angles to each other, and provided with the perforated cross-pieces I and the side sections or lattice-work, P, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

RICHARD HENRY BRIGGS.
CLEVELAND PRICHARD.

Witnesses:

DENNIS RYAN,
HENRY McAFEE.