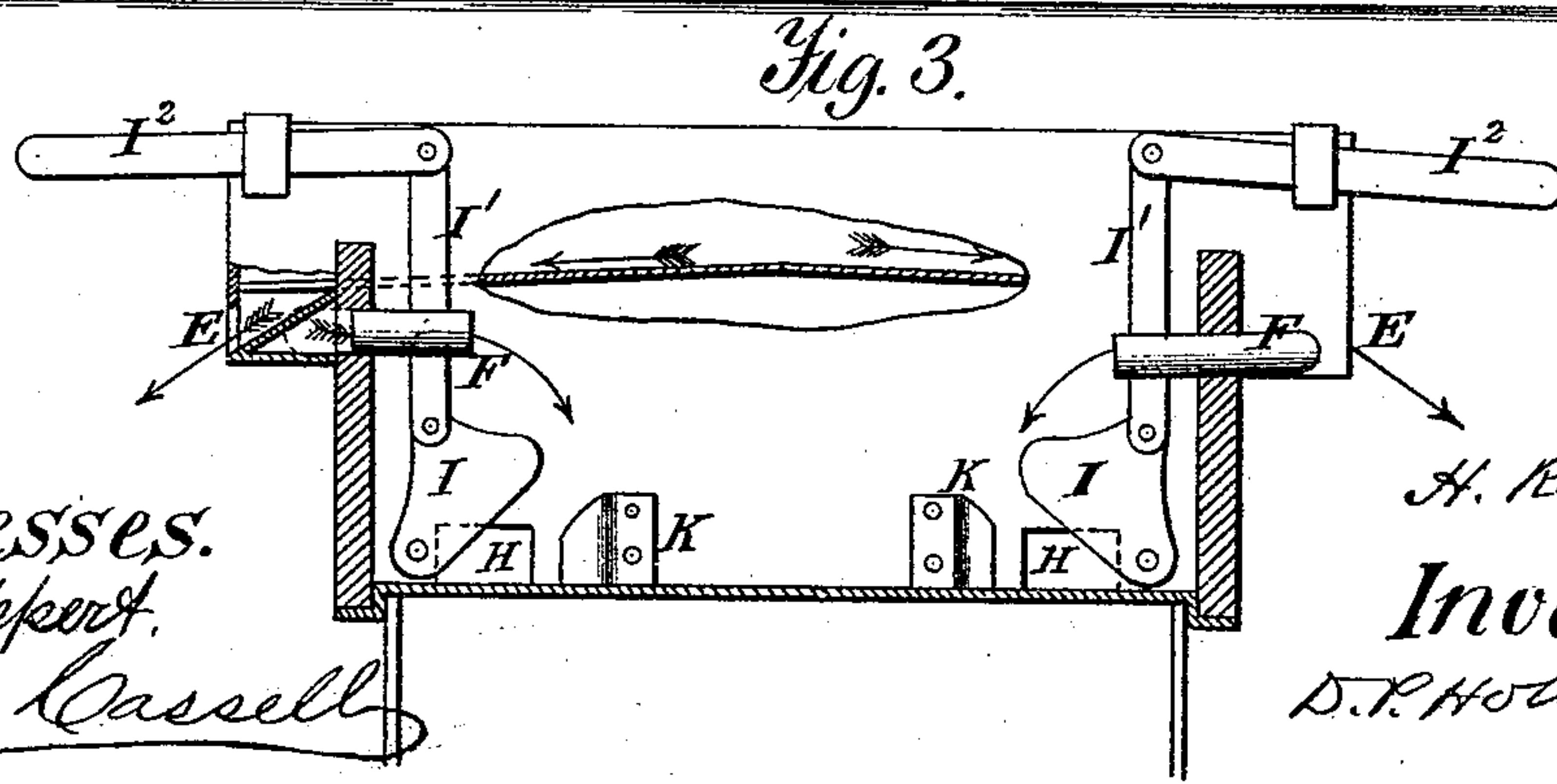
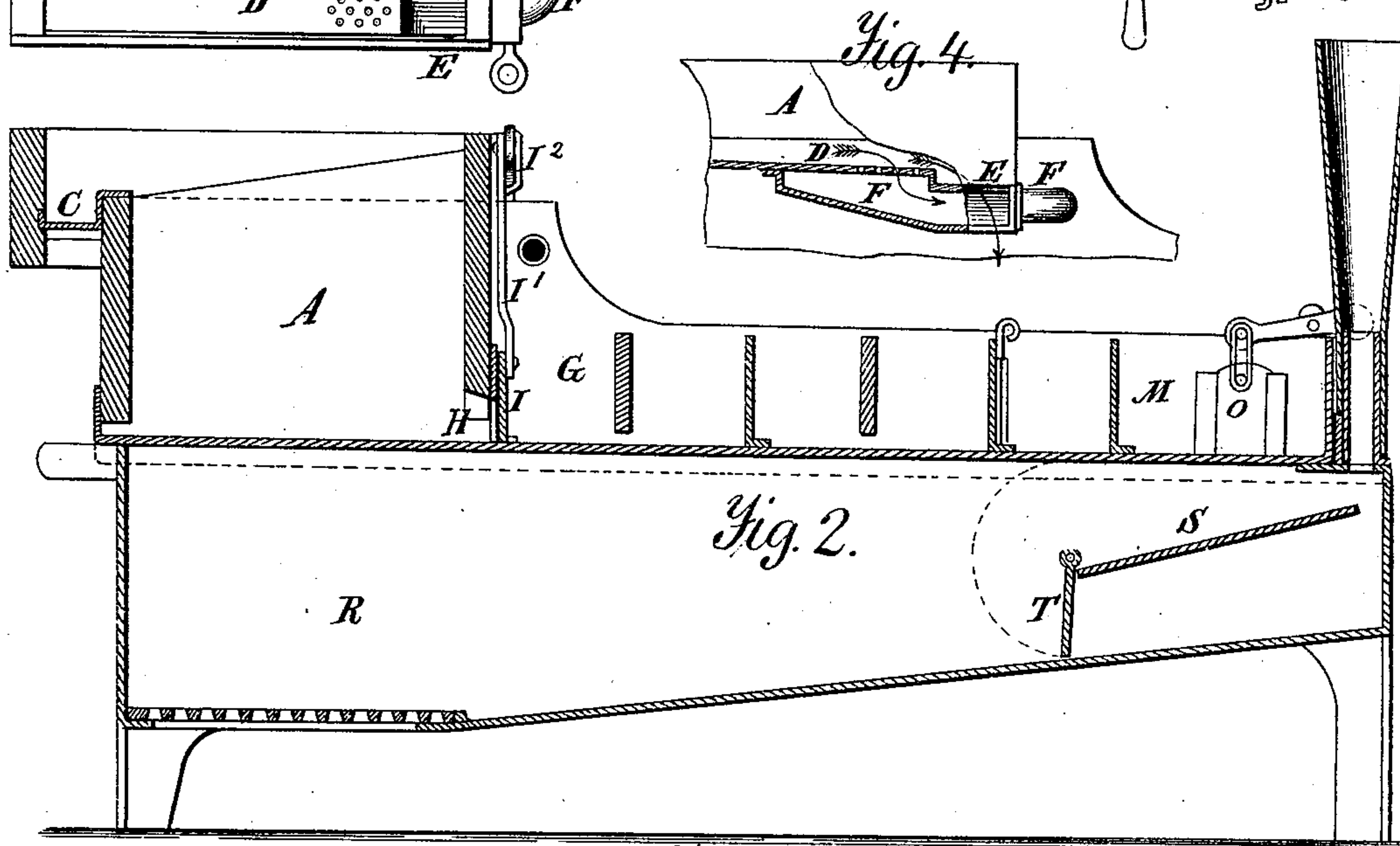
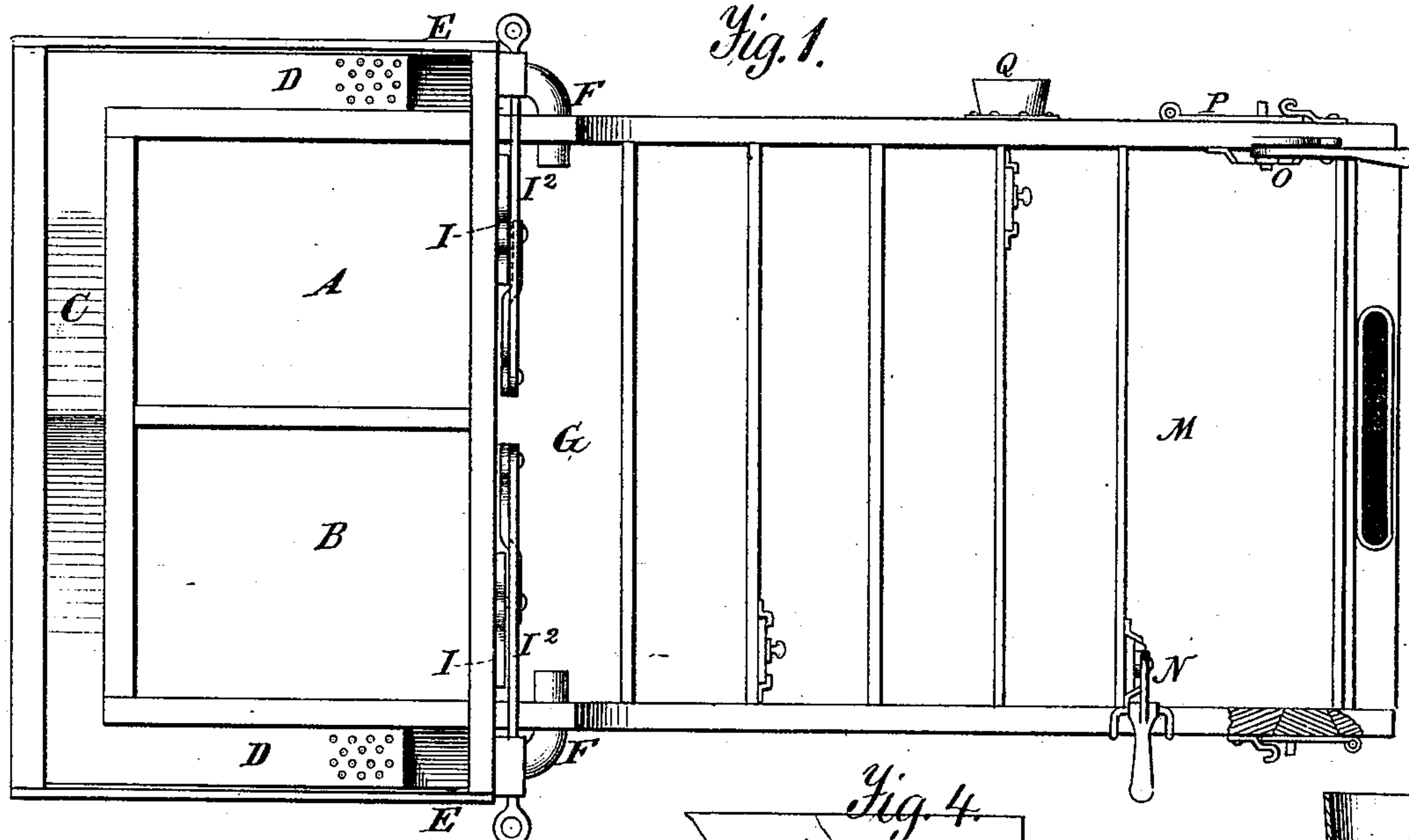


H. RAMEY.

EVAPORATORS FOR SUGAR.

No. 181,592.

Patented Aug. 29, 1876.



Witnesses.

A. Ruppert.

A. C. Cassell.

H. Ramey

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Attys

UNITED STATES PATENT OFFICE.

HENRY RAMEY, OF LOUISVILLE, KENTUCKY.

IMPROVEMENT IN EVAPORATORS FOR SUGAR.

Specification forming part of Letters Patent No. **181,592**, dated August 29, 1876; application filed February 1, 1876.

To all whom it may concern:

Be it known that I, HENRY RAMEY, of Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Evaporators for Making Sirup and Sugar, of which the following is a specification:

The object of this invention is to save any pure sirup which may flow over the edge of the receiving-pan, and draw it off into the evaporating-pans.

Other matters indicated in the drawings will be made the subject of other divisions of this application, and need not, therefore, be herein described.

In the annexed drawings, making part of this specification, I have shown the entire apparatus.

Figure 1 is a plan view. Fig. 2 is a vertical longitudinal section. Fig. 3 is a transverse section. Fig. 4 is a section showing the arrangement of pipes for drawing off the liquid sirup, and delivering it into the evaporator-pan.

The same letters are employed in all the figures in the indication of the same parts.

A and B are the receiving-pans, into which the juice of the cane is delivered to be boiled. In boiling, the scum rising to the top will flow over the side walls and into the trough C, which carries it away. Some good sirup will,

however, flow over with the scum, and when it cools in the trough C it will flow off under the lighter part of the scum made up of the impurities. To save this, perforations in the bottom of the trough are made at D, near to the opening E, through which the scum flows off, and is wasted. These perforations open into a pipe, F, by which the heavy liquid sirup flowing through the perforations will be conducted into the first compartment G of the evaporator, and there mingled with the other sirup supplied directly through the gates.

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

In combination with the receiving-pans A B, the trough C, surrounding the exterior sides of the receiving-pans, to catch the scum boiling over the edges of the pans, and having a discharge-opening, E, for the outflow of the scum, the perforations D, and pipe F, for drawing off liquid sirup passing over with the scum, and discharging the same into the evaporator-pan G, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

HENRY RAMEY.

Witnesses:

GRAHAM MOORE,
THOS. J. ORENDORF.