

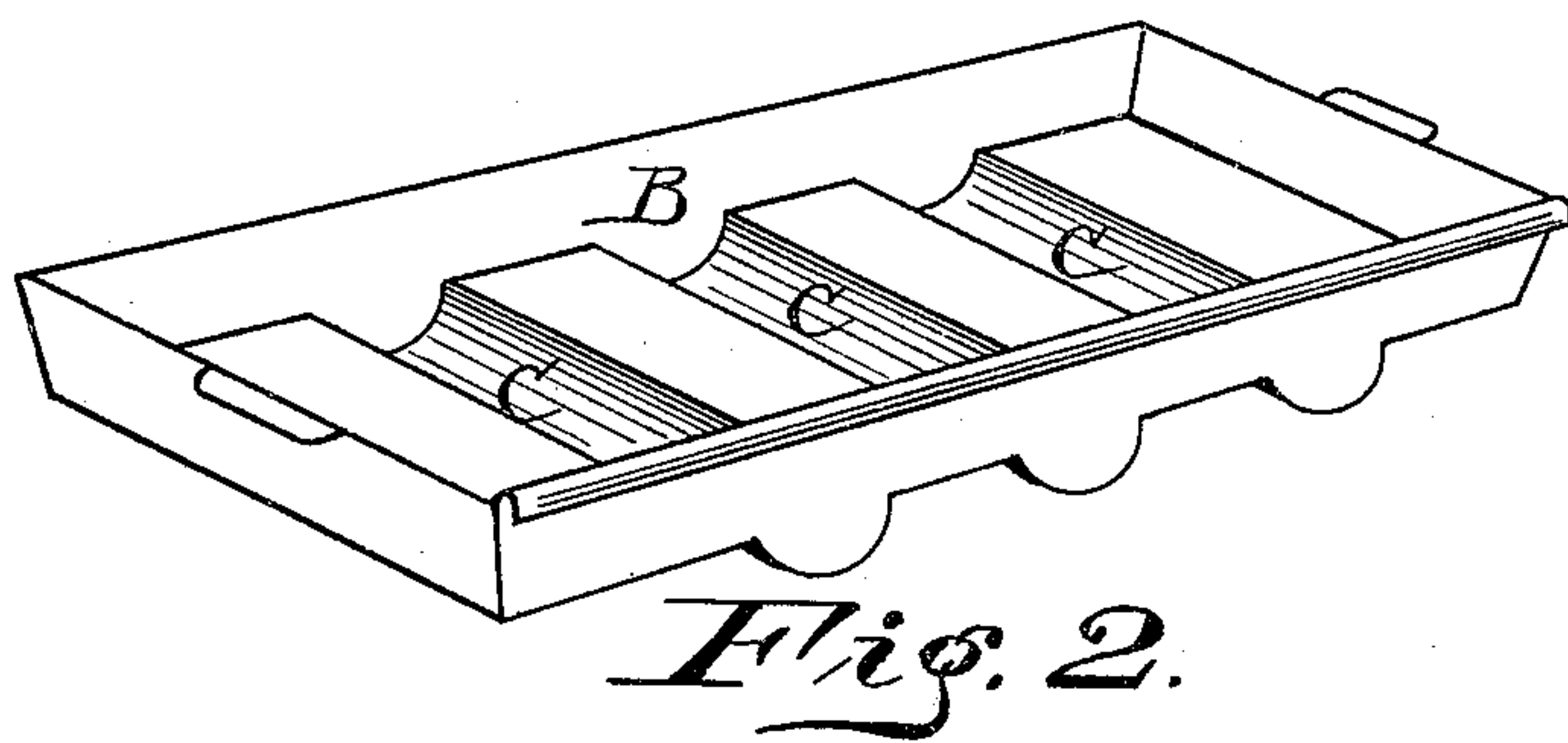
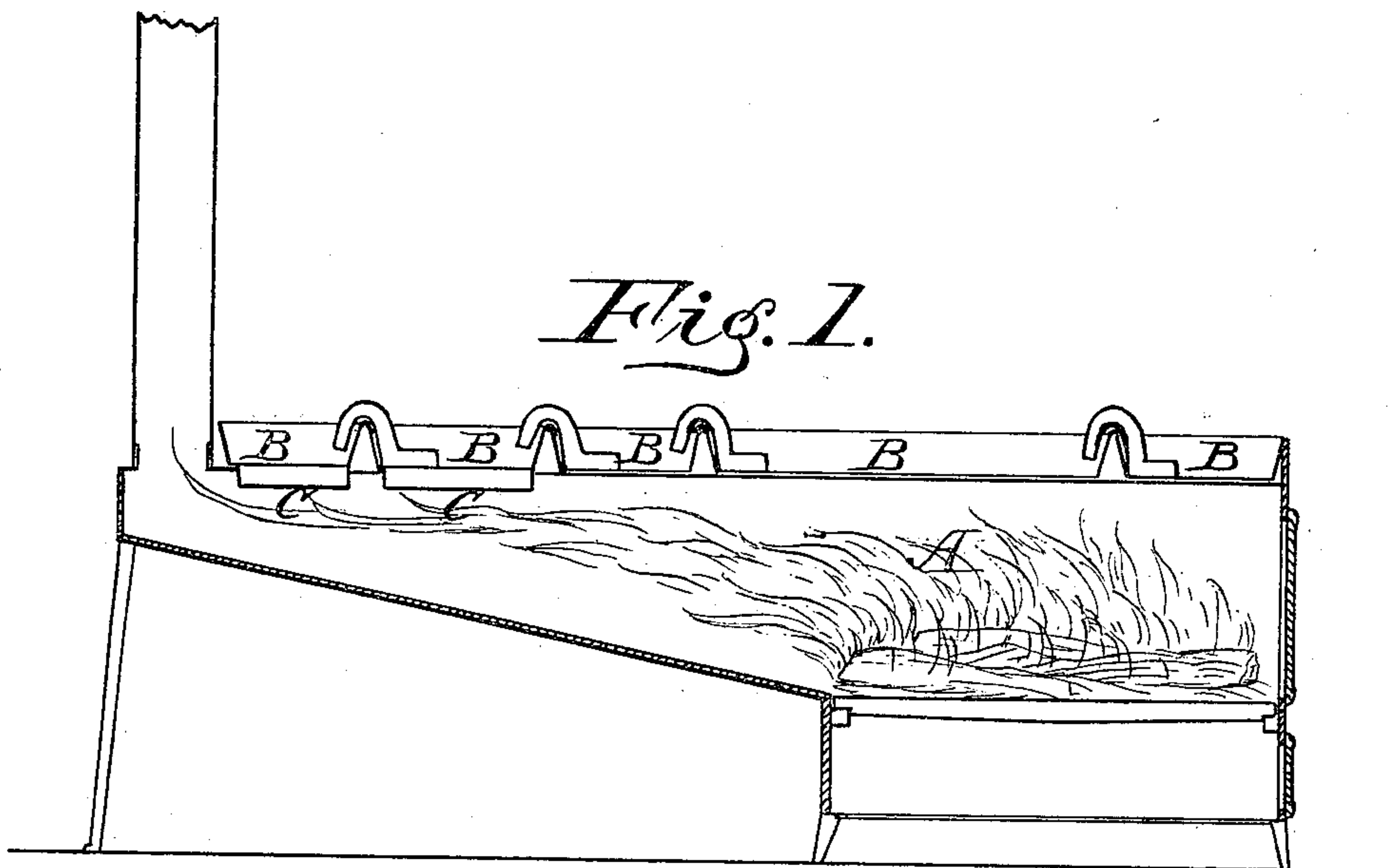
(No Model.)

H. W. HESCOCK.

EVAPORATING PAN.

No. 335,583.

Patented Feb. 9, 1886.



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# UNITED STATES PATENT OFFICE.

HENRY W. HESCOCK, OF HUBBARD, OHIO.

## EVAPORATING-PAN.

SPECIFICATION forming part of Letters Patent No. 335,583, dated February 9, 1886.

Application filed October 31, 1885. Serial No. 181,481. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY W. HESCOCK, of Hubbard, in the county of Trumbull and State of Ohio, have invented certain new and  
5 useful Improvements in Evaporating-Pans, of which the following is a specification.

This invention relates to pans for use on evaporators, and has for its object to provide  
10 increased facilities for heating said pans by increasing their bottom surface, whereby greater exposure to the fire and heat of the furnace is effected by simple and economical means. Heretofore the back pans have been  
15 slow in heating to the boiling-point, owing to their distance from the fire of the furnace, for wood fuel, being that commonly used in the country, does not produce a hot fire nor does it convey heat to any considerable distance. To obviate this deficiency, I make pans with  
20 open-flue bottoms in such a manner that their capacity for boiling will be greatly enhanced without any appreciable increase in consumption of fuel.

The accompanying drawings illustrate my  
25 improvement.

Figure 1 is a longitudinal section of an evaporator having my improved pans. Fig. 2 is a detached view of one of my improved pans.

A represents the furnace or fire-place of an  
30 evaporator, and B B the pans. The top edge of one of the sides B is turned over and is designed to join onto the plain edge of an adjoining pan, and thereby serve to hold two pans  
35 together and prevent their becoming separated when on the furnace. The rear pans, which occupy a position farthest from the fire. I provide with open-flue bottoms C C, which  
40 project downward and stand in line with the course of the fire toward the chimney. These open flues greatly increase the area of surface-  
45 exposure to the heated air passing under them, so that their boiling capacity is rendered equal to that of the forward pans, which are located directly over the fire, thereby greatly facilitating the work of evaporation without in-  
creasing the fire.

Having described my invention, I claim—

The evaporating-pan having the transverse  
50 curved bottom flues, C C, the upper edge of one of the sides B having a turned-over flange to join onto the top edge of an adjoining pan, all constructed as specified.

H. W. HESCOCK.

Witnesses:

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