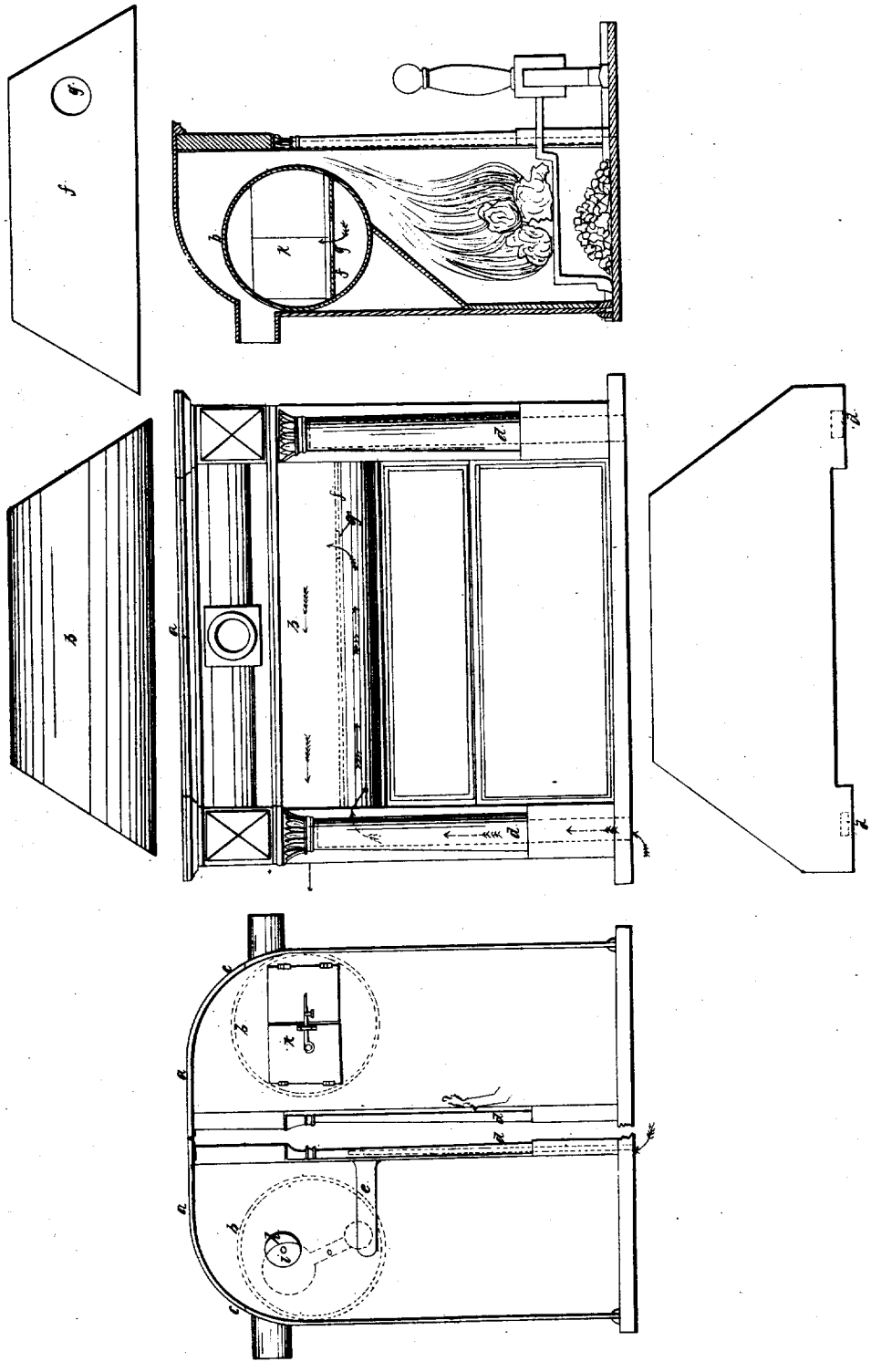
No Printed Specification Available
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A. HAYWARD.

FIRE PLACE.

Patented Sept. 25, 1834.



THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

Sept 25. 1834 434

Ansel Hayward of Easton, Massachusetts

Letters Patent,

The schedule referred to in these Letters Patent and making part of the same, containing a description in the words of the said Ansel Hayward himself of his improvement in the common Cast Iron fire place ——

Know ye all to whom these presents shall come, Ansel Hayward of Easton in the County of Bristol & Commonwealth of Massachusetts, Cabinet Maker and Greeting —— And declare that he has invented a new and useful improvement in the construction of the common fire place, and that the following is a full and exact description of the construction and use of said improvement, as invented by him —— The improvement consists in applying to the common cast iron or other metal fire frame, a cast or wrought iron hot air chamber, of any form or of any size which may be found most convenient (that in the accompanying Model is made cylindrical) which air chamber is fixed near the top of the fire frame, and so that the ascending smoke and flame shall pass over and around it in part, it being so placed as to make part of the smoke flue, and the top of the fire frame, is cast in a convex shape to accommodate said air chamber. The fillers in front are cast hollow, through one or both of which a current of cold air obtained from such source as may be desired, is made to pass and communicate with said air chamber: by a metal pipe as is shown in the model, or in any other way which may be desirable, and this metal plate, making a false or moveable bottom, is made to lay in said air chamber and reaching its whole length a little elevated from the permanent bottom, and so constructed at

Drawing

the said air chamber, which is to be of such a form as to fit and cover the whole of the orifice through which the cold air enters, which cover shall first pass the whole length of the air chamber, & return the horizontal & false bottom formed which is nearly the opposite end of the air chamber, & made a hole cut for the purpose in said false bottom through which it passes, and repassing the whole length of the air chamber is then discharged into the room in a heated state through an orifice above the feeding pipe connected with the air chamber, to which the feeding pipe is attached; and on the inside is a valve constructed and formed, so to shut off the cold air, by closing the mouth of the feeding pipe and also to close at the same time the discharging orifice when required, & this valve is especially useful and necessary when the air chamber is used as an oven for which it is particularly designed when not used to pass hot air into the room. On the end of the air chamber, opposite to that where the cold air is supplied, is attached a common oven door, and by shutting the valve as before mentioned an oven of the most convenient form is at once made, The accompanying model fully illustrates my said improvement in all its parts, but the form may be varied at pleasure, ——— All that I claim as my said invention notwithstanding what may be known before stated is the application of a hot air chamber near the bottom of the common fire frame surrounded with cold air through one or both of the front pillars or otherwise for the double purpose of heating rooms and affording an oven always ready for use, I also claim as my invention the circular form of the top of the fire frame whether used for a hot air chamber or not ——— In testimony that the above is a true specification of my said improvement as above described, I

have hereunto set my hand this thirty first day of July in the year of our Lord one thousand eight hundred and thirty four

Witnesses

Abbott Hooker Junr. } Russell Hayward.
Rev. A. Dexter }

660 rods

Ex.
Chfd

