

B. W. DUNKLEE.

Valve for Stoves, Furnaces, &c.

No. 25,893.

Patented Oct. 25, 1859.

Fig. 2

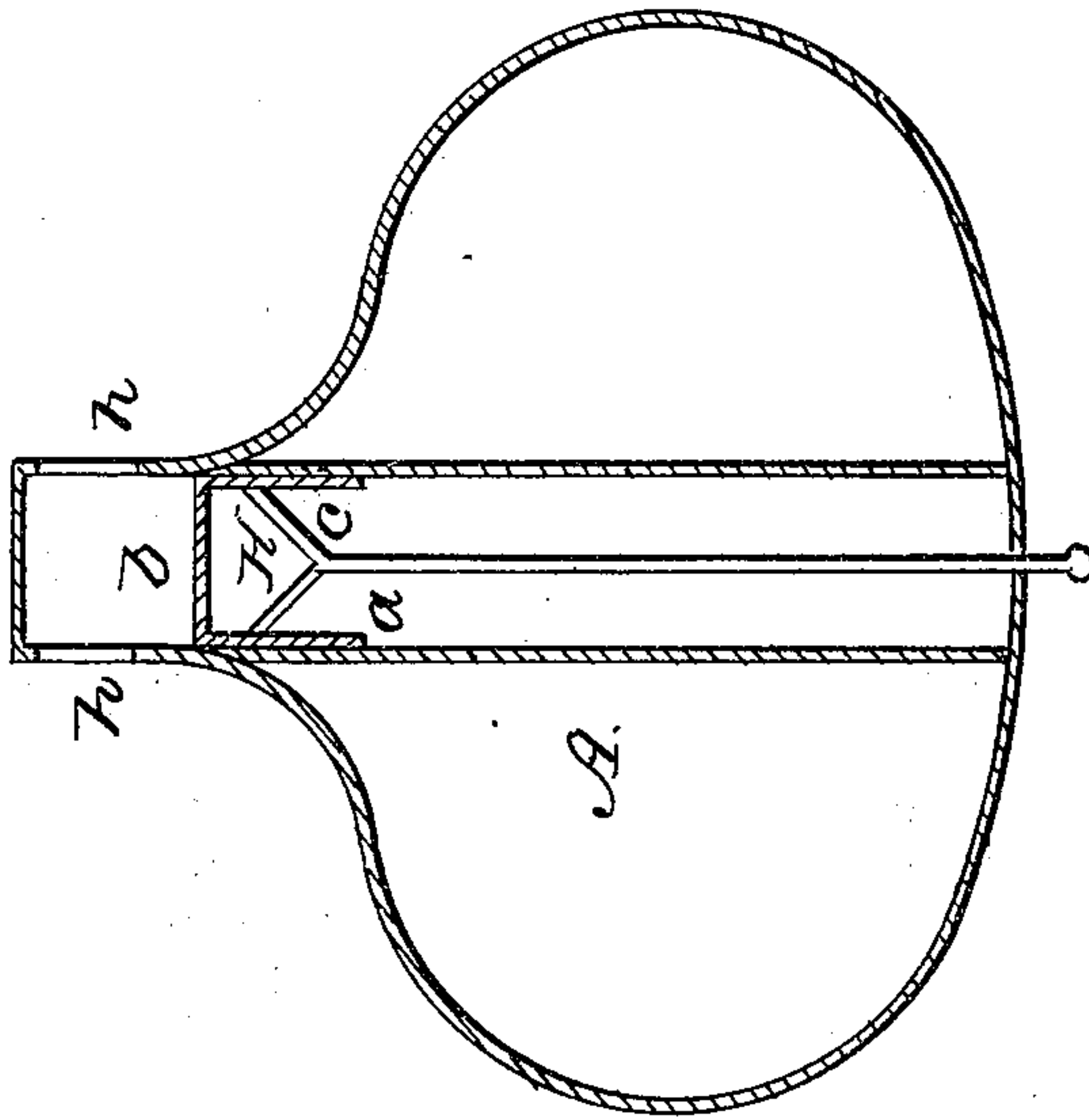
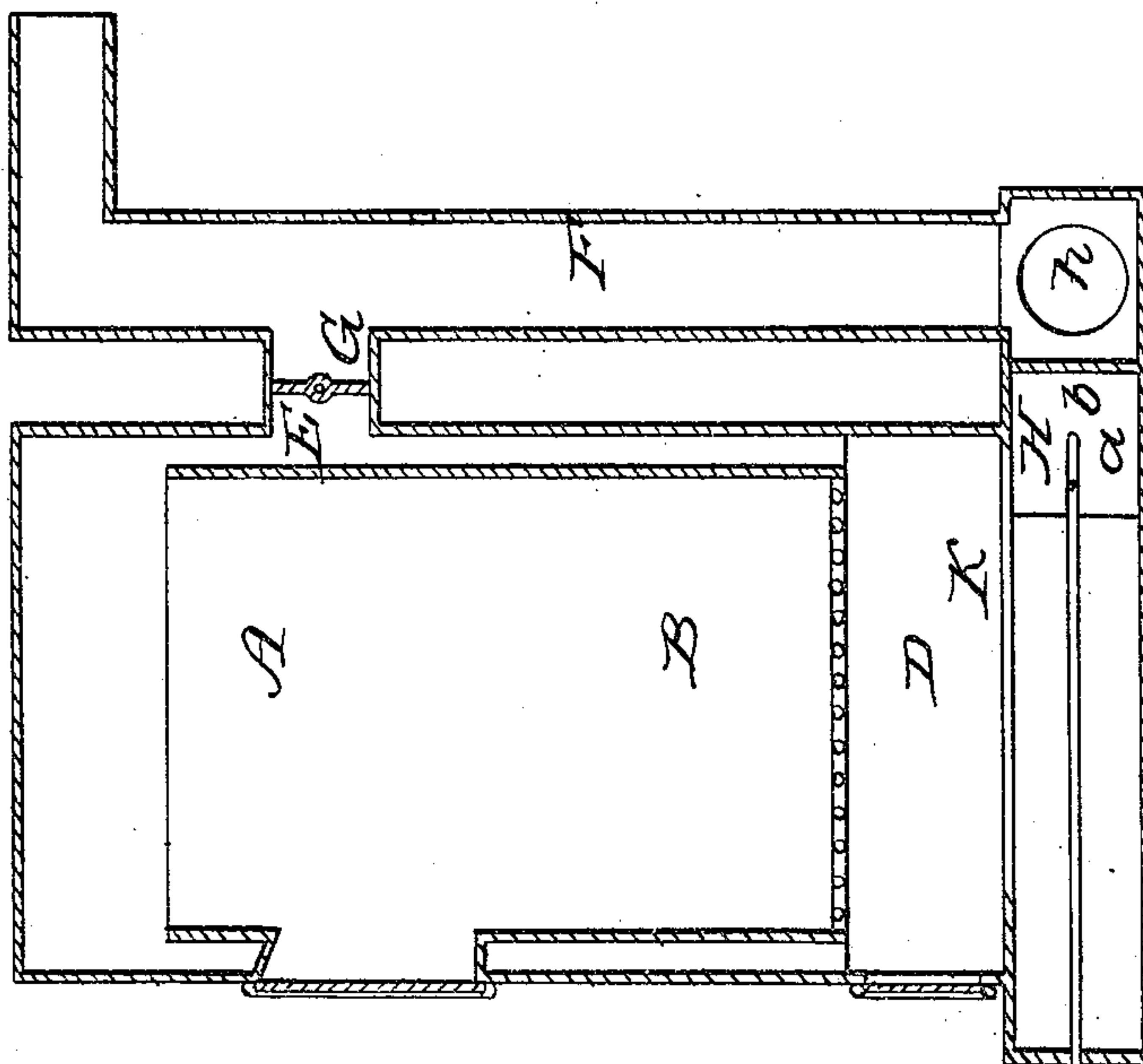


Fig. 1



WITNESSES
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UNITED STATES PATENT OFFICE.

B. WELLS DUNKLEE, OF BOSTON, MASSACHUSETTS.

VALVE FOR STOVES, FURNACES, &c.

Specification of Letters Patent No. 25,893, dated October 25, 1859.

To all whom it may concern:

Be it known that I, B. WELLS DUNKLEE, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Double-Action Valves for Stoves, Furnaces, &c.; and I do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

Figure 1, is a vertical section of a stove with my improvement applied thereto. Fig. 2, is a horizontal section of the same, taken through the double action valve, to be hereinafter described.

My invention has reference to a double action valve and damper for regulating the entrance and exclusion of air from the smoke flue, and by means of which valve I not only regulate the quantity of cold air to be admitted to the stove or furnace, but at the same time I regulate the draft of the fire, thereby economizing the consumption of the fuel.

In the drawings, A, denotes a stove constructed with a fire pot B, an ash pit D, and a smoke flue E. Extending upward from the rear part of the ash pit, is a vertical flue F, which communicates with the

smoke flue E, the communication between them being regulated by a damper G. I also construct the rear part of the ash pit with two openings *h, h*, to communicate with the external atmosphere, and I also construct the said rear part right angular, to contain a double action valve H, made with three sides *a, b, c*, the two side portions *a, c*, of which are to open or close the openings or passages *h, h*, and the other portion *b*, to open or close communication between the smoke space K, at the bottom of the stove or furnace, and the vertical flue F.

I do not claim the hoe valve, as that is the subject of an application sent to the Patent Office by me some time since; but

What I do claim as my invention is—

The side plates *a, c*, projecting from and connected with the hoe valve *b* as related to each other and in respect to the openings *h, h*, and flue F, substantially in manner and for the purpose as above described.

In testimony whereof I have hereunto set my signature.

B. WELLS DUNKLEE.

Witnesses:

THEOPH. H. SMITH,
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CHAS. F. HARRIMAN.