

(No Model.)

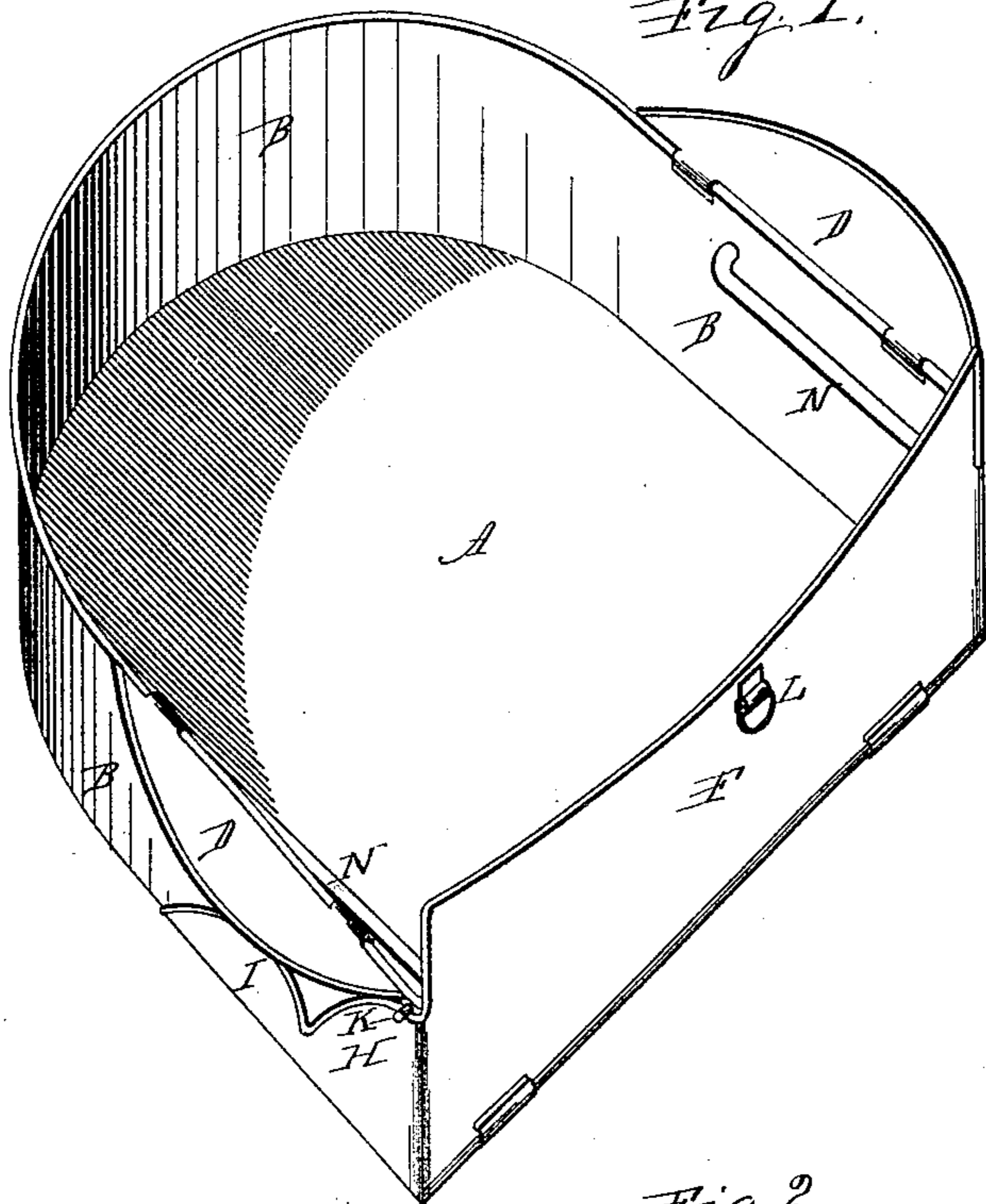
S. J. BYERS.

ASH PAN.

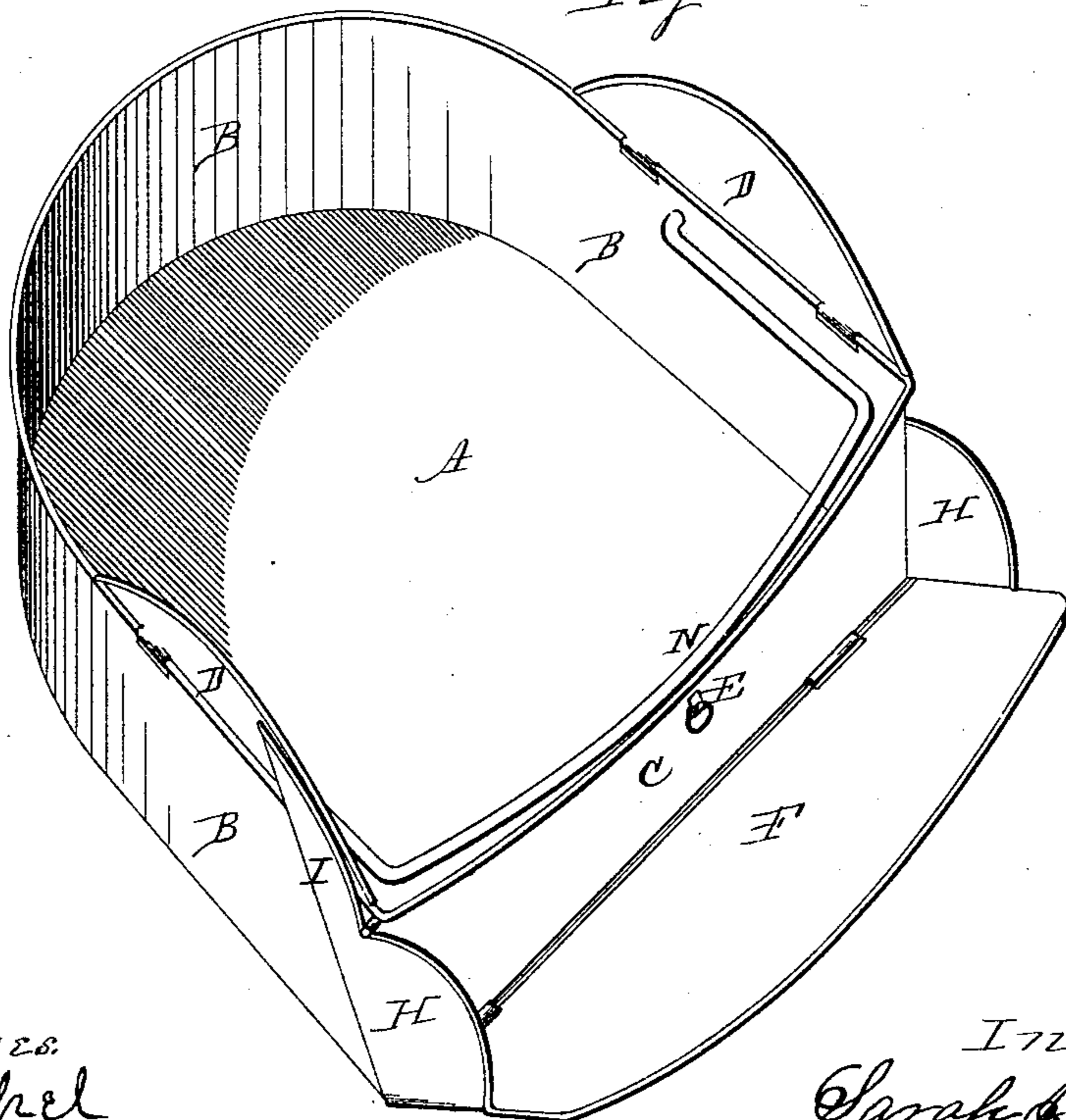
No. 350,866.

Patented Oct. 12, 1886.

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

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# UNITED STATES PATENT OFFICE.

SARAH J. BYERS, OF LAFAYETTE, INDIANA.

## ASH-PAN.

SPECIFICATION forming part of Letters Patent No. 350,866, dated October 12, 1886.

Application filed February 20, 1886. Serial No. 192,687. (No model.)

*To all whom it may concern:*

Be it known that I, SARAH J. BYERS, a citizen of the United States, residing in the city of Lafayette, in the county of Tippecanoe, in the State of Indiana, have invented a new and useful Ash-Pan, of which the following is a specification.

This invention relates to that class of ash-pans employed mainly in coal-burning stoves and furnaces.

Its object is to collect and remove the ashes passing through the fire-grate without litter or scattering the ashes; and it consists in a pan having hinged side wings to open on an outward and upward inclined angle to conduct the ashes passing from the fire-grate into the pan, and capable of an inward folding position to prevent overflowing the pan on its withdrawal from the stove; in an outer front having a hinged connection at its lower edge with the pan, to permit of an outward inclining position to receive the overflow of ashes, and provided with right-angle arm end extensions to elevate and hold the side wings in a vertical or inward inclined position, and fitted with a stop mechanism to limit the outward inclination of the hinged front, all of which will be hereinafter more fully described.

In the accompanying drawings, Figure 1 is an isometrical representation of an ash-pan embodying my invention, in which the hinged end is in its vertical position and the hinged side wings are outwardly inclined. Fig. 2 is also an isometrical representation of my improved ash-pan, in which the hinged end is in its outward inclined position and the hinged side wings in a vertical position.

The ash-pan represented in the figures, consisting of the bottom A, vertical curved end and side walls, B, and front end, C, is in the main substantially the same as ash-pans now in use; but instead of the curved end and side walls rising in a vertical position they may be slightly inclined outward, producing a pan of greater dimensions at its upper edge than at its bottom, as pans have heretofore been constructed.

The side walls of this pan at its front end portion are provided with segmentally-formed wings D, having their lower edge hinge-jointed to the upper edge of the side walls, to per-

mit a lateral swinging movement of the wings on their hinged connection. The front end wall, C, is straight in its lower-edge connection with the bottom, and its upper edge is curved outward, and a handle or pull, E, is fixed to its outer face and central upper edge portion. A second or outer front end, F, is hinge-jointed at its lower edge to the front edge of the bottom, or to the lower edge portion of the front inner end, to permit it to swing outward on its hinge-connection. The upper edge of this outer end portion is curved outward, preferably, to a greater extent than the inner end, to close over the handle or pull E, fixed to the inner end. The outer front end, F, is provided with right-angled end arms, H, to overlap the front end of the side walls, B, and are in the main of sector form, provided at their lower inner ends with rear or inner extensions, I, to engage the outer face of hinged side wings, D, in a manner to turn therein inward or to a vertical position when the front hinged end is turned outward.

Studs K, fixed to the upper front side corners of the pan, receive the rear extensions, I, of the angle-arms, and limit the outward swinging movement of the hinged front end. A handle or pull, L, is fixed centrally to the outer face and upper edge portion of the hinged front end, F. A bail or handle, N, is provided for carrying the pan.

In use the pan is placed in the stove; the hinged front end is then closed, which permits the hinged side wings to turn outward to conduct the ashes passing through the fire-grate into the pan. When the pan is filled, the front end is depressed to its inclined position, which movement will raise the side wings to a vertical or inward inclined position, to prevent the ashes dropping or spilling over the sides of the pan, and the outward inclination of the hinged front end will receive any ashes dropping over its front inner end.

I claim as my invention—

1. The combination, with the sides of an ash-pan, of wings pivotally secured to the said sides, and means for supporting said wings in raised position, substantially as described.

2. The combination, with an ash-pan, of wings having a hinged connection with the

sides of the ash-pan, and a front end having a hinged connection with the pan, and provided with arms extending backward on each side of the pan and engaging the side wings, 5 substantially as described.

3. The combination, with the ash-pan, of a plate having a hinged connection therewith, and provided with arms extending backward

on each side of the pan, and a stop to limit the outward swinging movement of the plate, 10 substantially as described.

SARAH J. BYERS.

Witnesses:

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