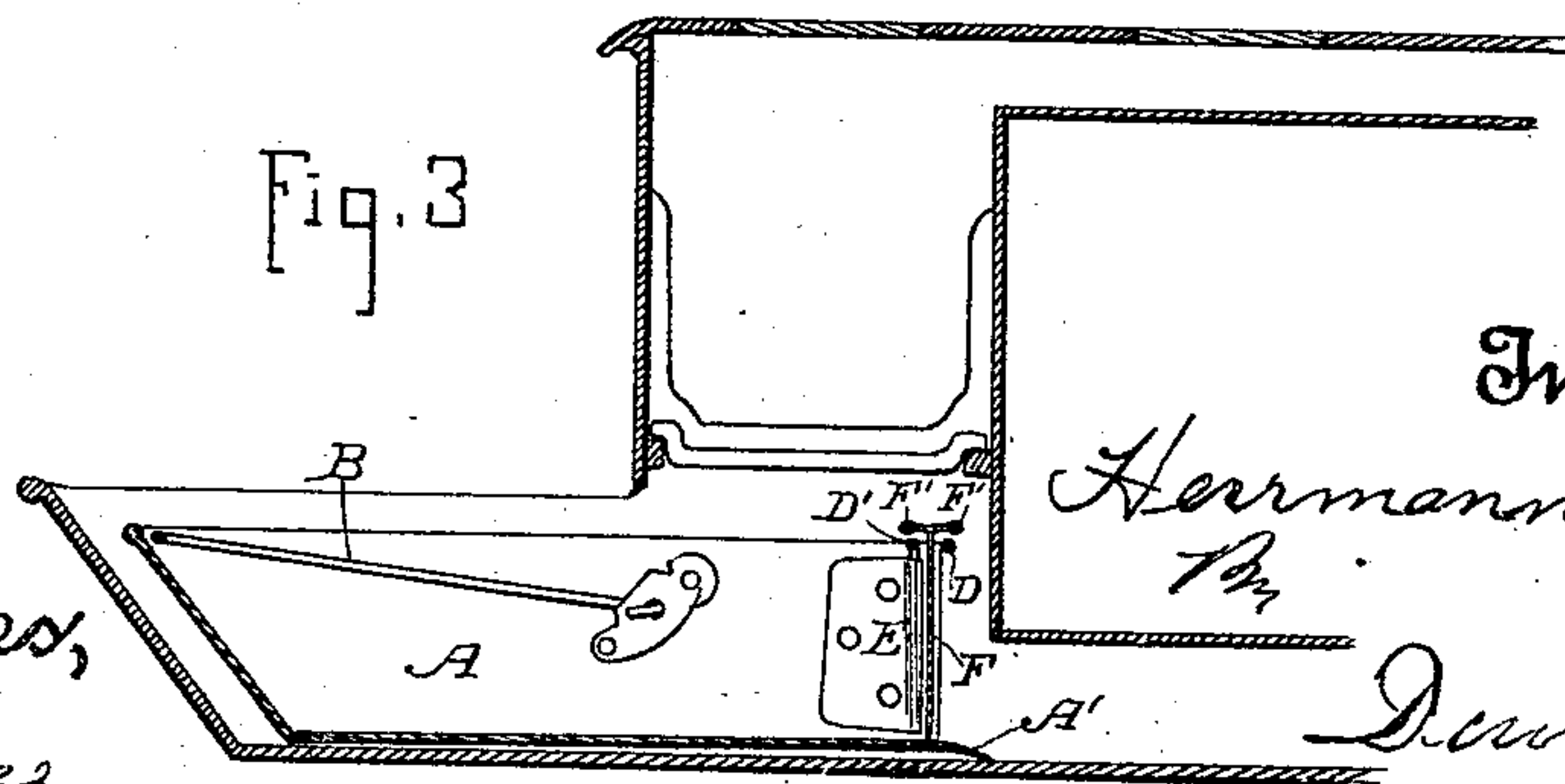
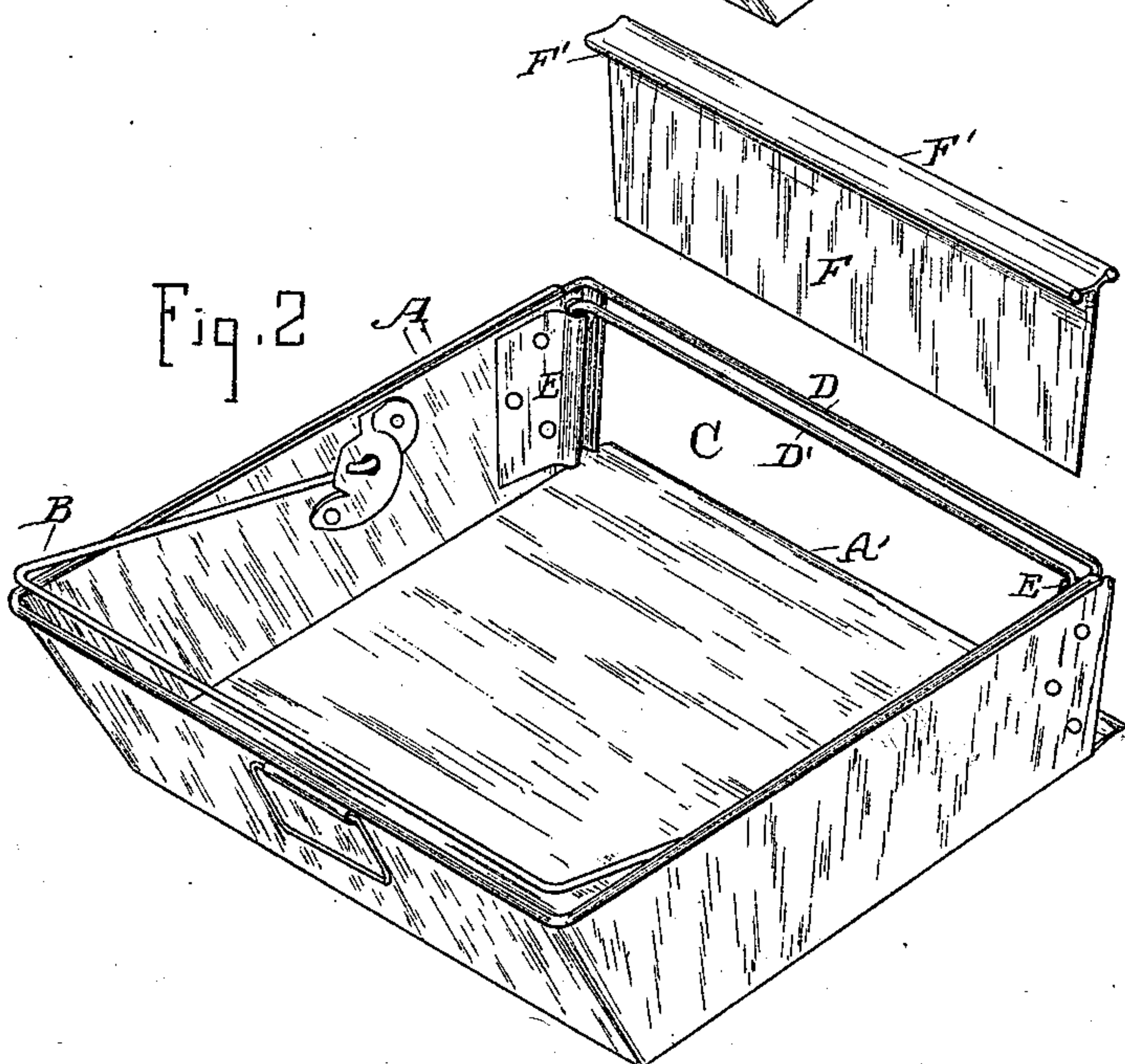
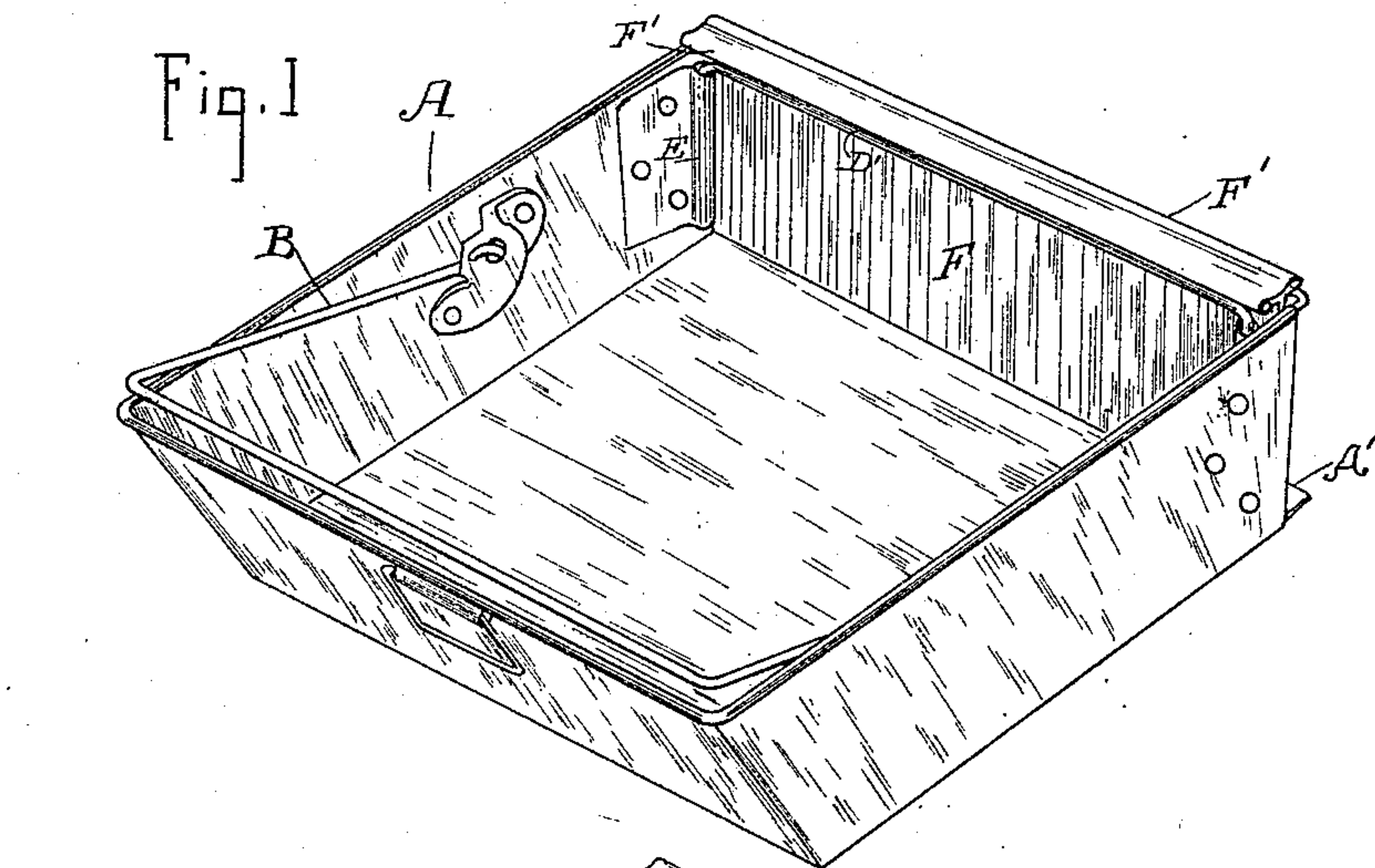


(No Model.)

H. COLMAN.
ASH AND SOOT PAN.

No. 542,797.

Patented July 16, 1895.



Witnesses,
J. H. Baryless

Inventor,
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UNITED STATES PATENT OFFICE.

HERRMANN COLMAN, OF SAN FRANCISCO, ASSIGNOR OF ONE-HALF TO
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ASH AND SOOT PAN.

SPECIFICATION forming part of Letters Patent No. 542,797, dated July 16, 1895.

Application filed May 3, 1895. Serial No. 548,035. (No model.)

To all whom it may concern:

Be it known that I, HERRMANN COLMAN, a citizen of Germany, residing in the city and county of San Francisco, State of California, have invented an Improvement in Ash and Soot Pans; and I hereby declare the following to be a full, clear, and exact description of the same.

My invention relates to a combined ash and soot pan to be used in conjunction with stoves and ranges.

It consists in certain details of construction, which will be more fully explained by reference to the accompanying drawings, in which—

Figure 1 is a perspective view of the pan with its sliding door closed. Fig. 2 is a view showing the sliding door removed. Fig. 3 is a view showing the application of the pan to a stove or range.

In stoves or ranges there is an ash-pit below the grate, and it is customary to place a removable pan in this pit to receive the ashes as they fall from the grate, so that they can be easily carried away whenever the pan is full. Behind this ash-pit and the grate is situated the oven, and in order to clear the passages around the oven from soot and other deposits a small door or opening is made in front in line with the ash-pit, so that by means of a suitable scraper the soot and deposit can be drawn out into the ash-pit, from which they are afterward removed by a fire-shovel or other means. This necessitates the removal of the ash-pan before access can be had to the space beneath the oven, and when the deposit has been removed from this space it still remains upon the floor of the ash-pit and must be removed from that point before the ash-pan can be again replaced. This makes a good deal of trouble and more or less dirt about the stove. My invention is designed to avoid this by so constructing the ash-pan with a removable rear gate that when the door is opened into the space beneath the oven, the ash-pan remaining in place, the deposit can be withdrawn from the space beneath the oven directly into the ash-pan, ready to be removed.

A is the ash-pan, having a bail or handle B, hinged thereto in any suitable manner, so that it can be easily removed. The rear of

this ash-pan is made with an opening, as shown at C. The wire D, which runs around the upper edge of the pan, extends across above this opening, and D' is another wire extending parallel with the wire D, leaving a small space between the two. The wire D' is bent so as to enter sockets, shown at E, and suitably secured to the sides of the pan A. The plates in which these sockets are formed are so arranged with reference to the rear edges of the pan as to form vertical grooves or channels, in which the edges of the gate are slidable.

The two wires D and D' serve as a guide for the plate or door F, which is adapted to slide vertically between these wires and in the grooves or channels, so that when pushed down it entirely closes the rear of the pan. When drawn up it leaves an open space C, as previously described.

The rear end of the bottom of the pan A is continued out, as shown at A', and is slightly curved downward, so that the thin edge of metal thus formed rests closely against the bottom of the ash-pit when the pan is in place, and thus prevents the soot and deposit which are being raked from beneath the oven into the pan from passing beneath it.

In order to protect the guiding-channels between which the door or plate F slides and prevent their being filled or clogged with ashes or dirt which falls from the grate, I have shown the upper part of this gate F bent or folded transversely, so as to form extensions F' upon each side of the plate F and projecting over it, so that any ashes falling from a grate will be caught upon these extensions and prevented from clogging the grooves or channels in which the plate F slides.

Under ordinary conditions of use the sliding gate F will be closed and the pan will be complete, with its four sides adapted to receive the ashes from the grate and to be removed from time to time, as required.

Whenever it is desired to clean the space beneath the oven, the gate F is removed, leaving the space C at the rear of the pan open, and the door to the space beneath the oven being also removed, the pan is then introduced to its place and the deposit beneath the oven is raked forward into the pan, being prevented

from passing beneath the latter by the downwardly-turned projecting edge at the rear, and when the deposit has been removed into the pan the latter may be taken out and emptied without anything passing into the ash-pit in the place where the pan ordinarily stands.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

10 1. A combined ash and soot receiver consisting of a pan adapted to fit into the ash-pit beneath the grate of a stove and having a rear side adjacent to the chamber beneath the oven, made removable.

15 2. A combined ash and soot receiver consisting of a pan adapted to fit the ash-pit beneath the grate of a stove or range having an open rear side and vertical guides, in combination with a sliding gate or door fitting be-

tween said guides and adapted to close the rear side.

3. An ash and soot receiver consisting of a pan having an open rear side, and a vertically sliding gate adapted to close said side, said gate having transverse extensions across its top.

4. An ash and soot receiver consisting of a pan having an open rear end, guides upon the sides and top, and a sliding gate fitting said guides and adapted to close the rear end, the rear end of the bottom of the pan projecting and turned downwardly as described.

In witness whereof I have hereunto set my hand.

HERRMANN COLMAN.

Witnesses:

S. H. NOURSE,

H. F. ASCHECK.