

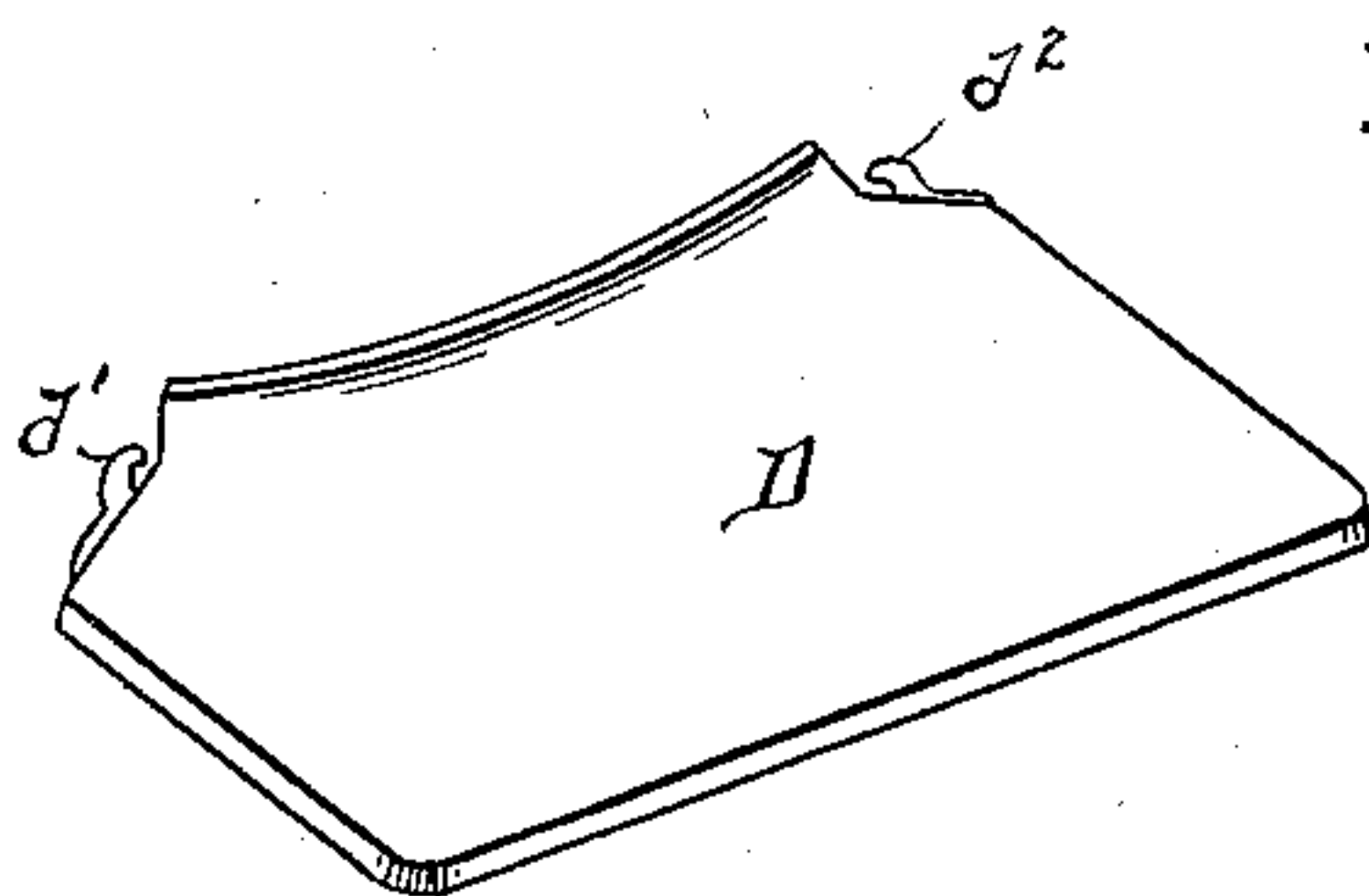
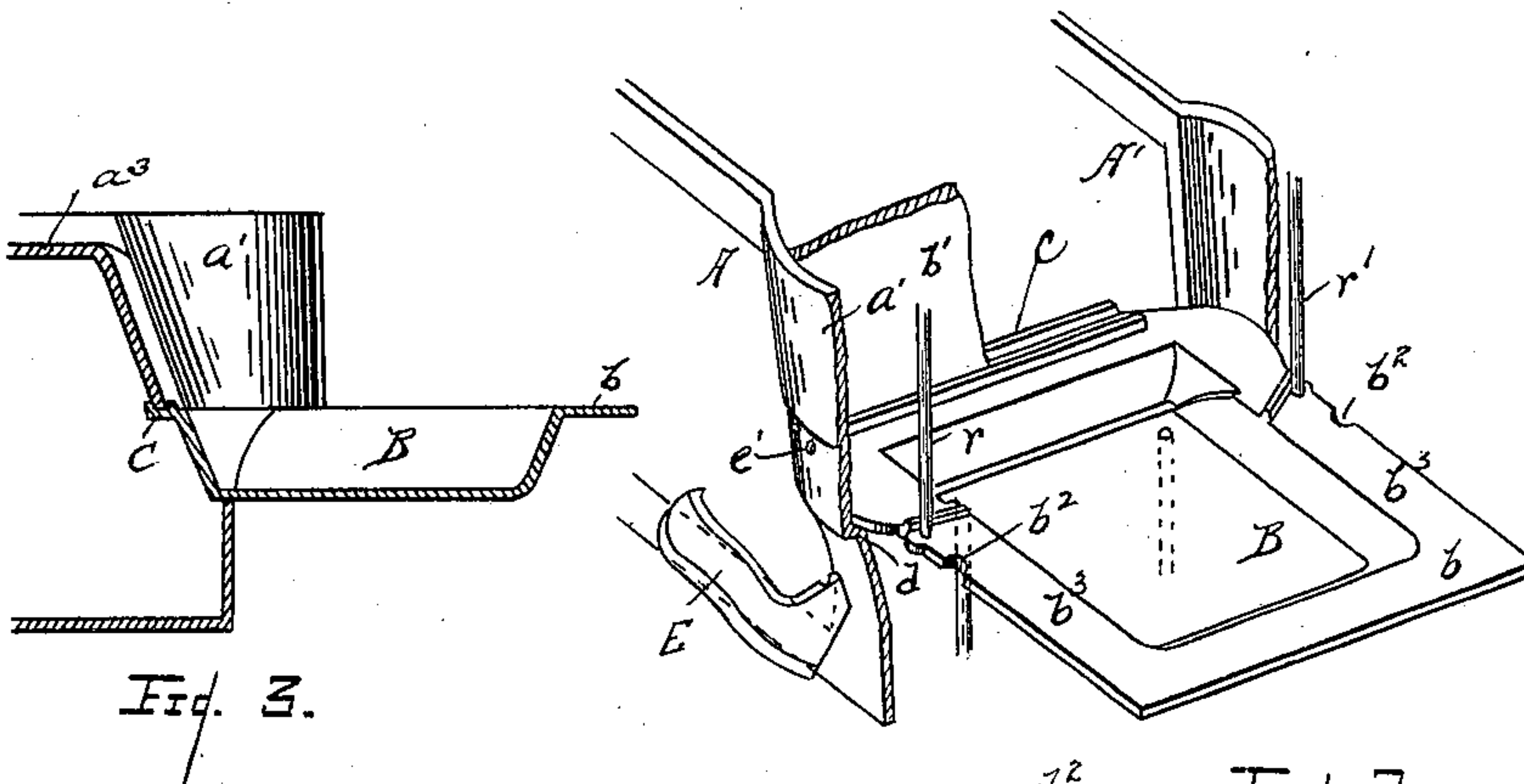
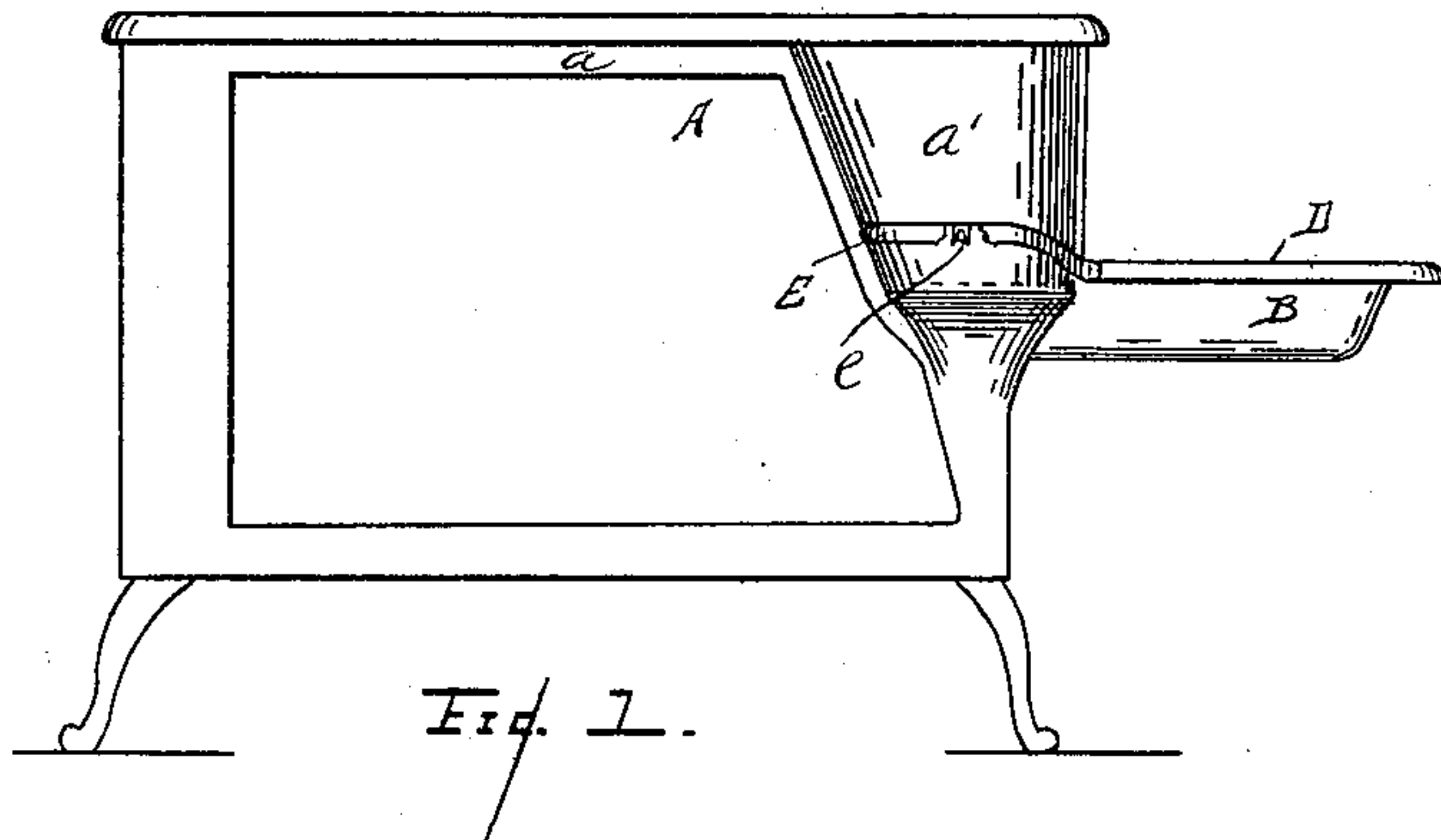
No. 627,770.

Patented June 27, 1899.

H. P. COPE.  
STOVE.

(Application filed Nov. 6, 1897.)

(No Model.)



WITNESSES

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# UNITED STATES PATENT OFFICE.

HENRY P. COPE, OF DETROIT, MICHIGAN.

## STOVE.

SPECIFICATION forming part of Letters Patent No. 627,770, dated June 27, 1899.

Application filed November 6, 1897. Serial No. 657,593. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY P. COPE, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Stoves; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to cooking-stoves, and has for its object an improved method of constructing and assembling the various parts which comprise the fire-box, hearth, and oven-front, the particular object being to construct a stove of which the parts are less complicated, more easily cast, and which as a whole is considerably lighter in weight than the same parts of stoves heretofore named.

In the drawings, Figure 1 is a side elevation. Fig. 2 is a perspective of the various parts comprising the hearth, ash-pit, and fire-box. The front side of the fire-box is removed and some of the parts are broken. Fig. 3 is a vertical longitudinal section through the stove.

It is not intended that the parts shown should be considered as a pictorial representation of the stove in which the various parts which embody this invention are assembled. The shape or form of the stove, except at the particular places where the improved parts are employed, is entirely immaterial. The side of the stove which includes the frame of the oven-door and the end of the fire-box is cast in one piece, the end of the fire-box or the frame which incloses the door at the end of the fire-box being cast integral with the frame of the oven-door. The under part or support of the hearth, which comprises an ash-pit and a projecting shelf, is another piece of the complete stove. The hearth proper forms a third piece, and the small ash-shelf at the end of the fire-box forms another piece.

A indicates the side of the stove, comprising both the frame  $a$  of the oven-door and the end  $a'$  of the fire-box. On the opposite side of the stove is the side  $A'$ , similar in form, except that its curves are reversed. The two sides are connected by the oven-top  $a^3$  and

the back of the fire-box  $b'$ , which rests on a bar or ledge  $c$ . Beneath the bar or ledge  $c$  the two sides engage the rear of the ash-pit casting B. The ash-pit casting B is a pan with broad flanges around its upper edge and with that part of it which is inserted in the fire-box and which constitutes the under part of the fire-box broadened to fill the entire space across from side to side between the ends of the fire-box and with that part which is included within the fire-box curved to conform properly with the side walls  $A A'$ . This ash-pit is retained in position by engaging under the bar  $c$  and over the inward-projecting flanges  $d$  of the side pieces  $A A'$ . In each flange of the ash-pit B is a notch  $b^2$ .

The hearth proper, D, is a cover which fits properly over the projecting part of the ash-pit B and is provided with two downwardly-extending and inwardly-pointing hooks  $d' d^2$ . These hooks  $d' d^2$  drop through the notches  $b^2$  while the hearth is still some distance forward from the place it normally occupies. After the hooks have dropped through the notches the hearth is pushed backward, the hooks engage under the flanges  $b^3$  of the ash-pit, and the hearth is held in place. It may be easily drawn forward, with the hooks still engaging under the flanges, until the ash-pit is nearly uncovered, or it may be drawn entirely off, if desired. The ash-pit is further held in place by the holding rods or bolts  $r r'$ , which hold the top of the stove in place and which pass through not only the top but through properly-located holes in the flanges of the ash-pit and are secured by nuts in the ordinary way.

A small auxiliary hearth E, properly fitted as to curvature, engages on the outside of each end of the fire-box. Each of these auxiliary hearths is held in place by short bolts, that pass through lugs in the hearth and through the casting that forms the end of the fire-box. The bolt is indicated at  $e$  in Fig. 1 and the bolt-hole at  $e'$  in Fig. 2. One of these auxiliary hearths is located beneath the door at the end of the fire-box and another one in a symmetrical position at the other end of the fire-box.

What I claim is—

1. In a stove, the combination of two side castings each comprising an oven-door frame



and a fire-box end and provided with inwardly-projecting flanges *d*, an ash-pit casting provided with side flanges, the rear portions of which are shaped to conform to the fire-box ends and rest on said flanges *d*, an oven-top and fire-box back beneath which the rear end of the ash-pit casting engages, and a hearth provided with means engaging said side flanges of the ash-pit casting, substantially as described.

2. In a stove, the combination of two side castings each comprising an oven-door frame and outwardly-bulging fire-box end provided with inwardly-projecting flange *d*, an ash-pit casting provided with side flanges enlarged at the rear and shaped to fit the fire-box ends and rest on said flanges *d*, and an oven-top and fire-box back beneath which the rear end

of the ash-pit casting engages, substantially as described.

3. In a stove, the combination of two side castings each comprising an oven-door frame and a fire-box end and provided with an inwardly-projecting flange *d*, a fire-box back, an ash-pit casting provided with side flanges shaped at the rear to engage on said flanges *d* and engaging beneath said fire-box back, a stove-top, and bolts securing said stove-top and ash-pit casting together, substantially as described.

In testimony whereof I sign this specification in the presence of two witnesses.

HENRY P. COPE.

Witnesses:

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