

No. 661,639.

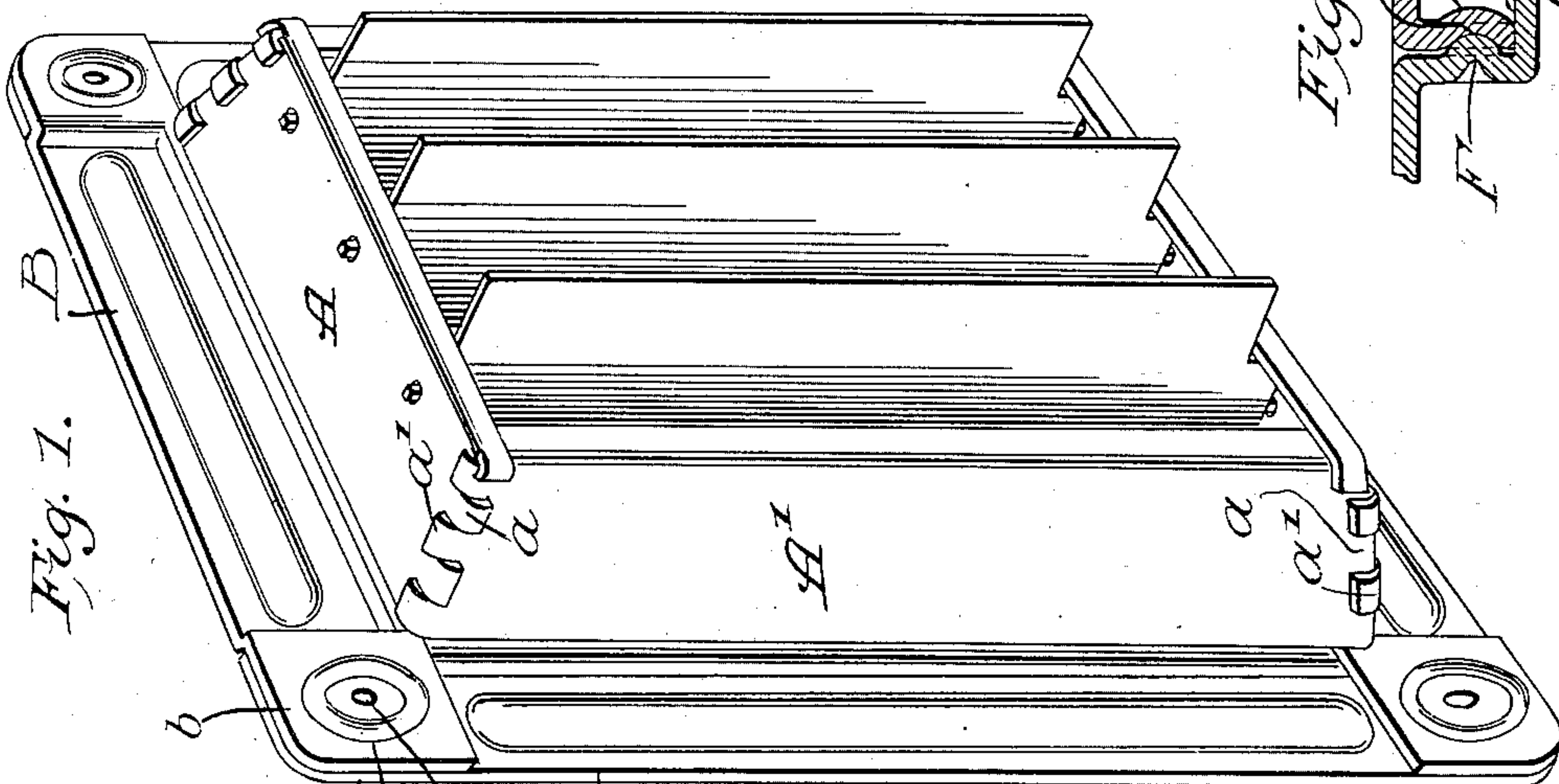
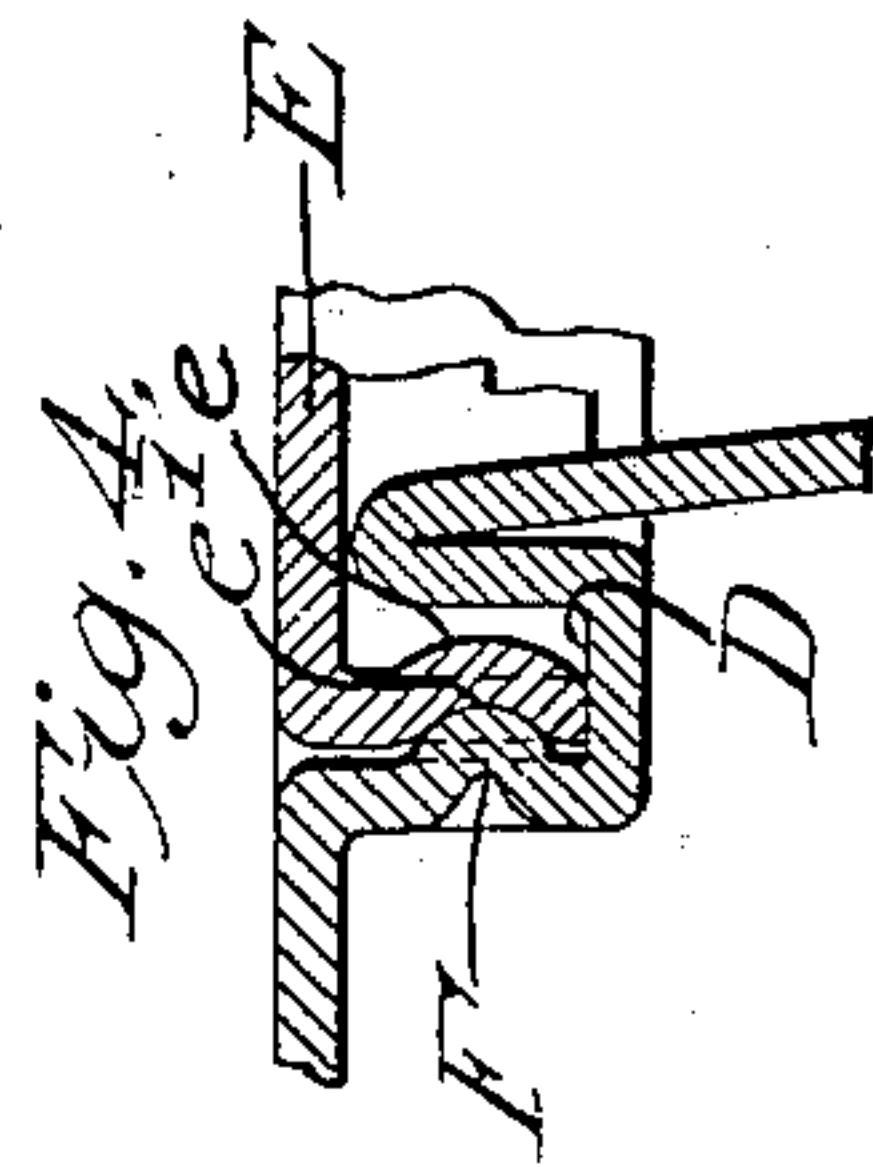
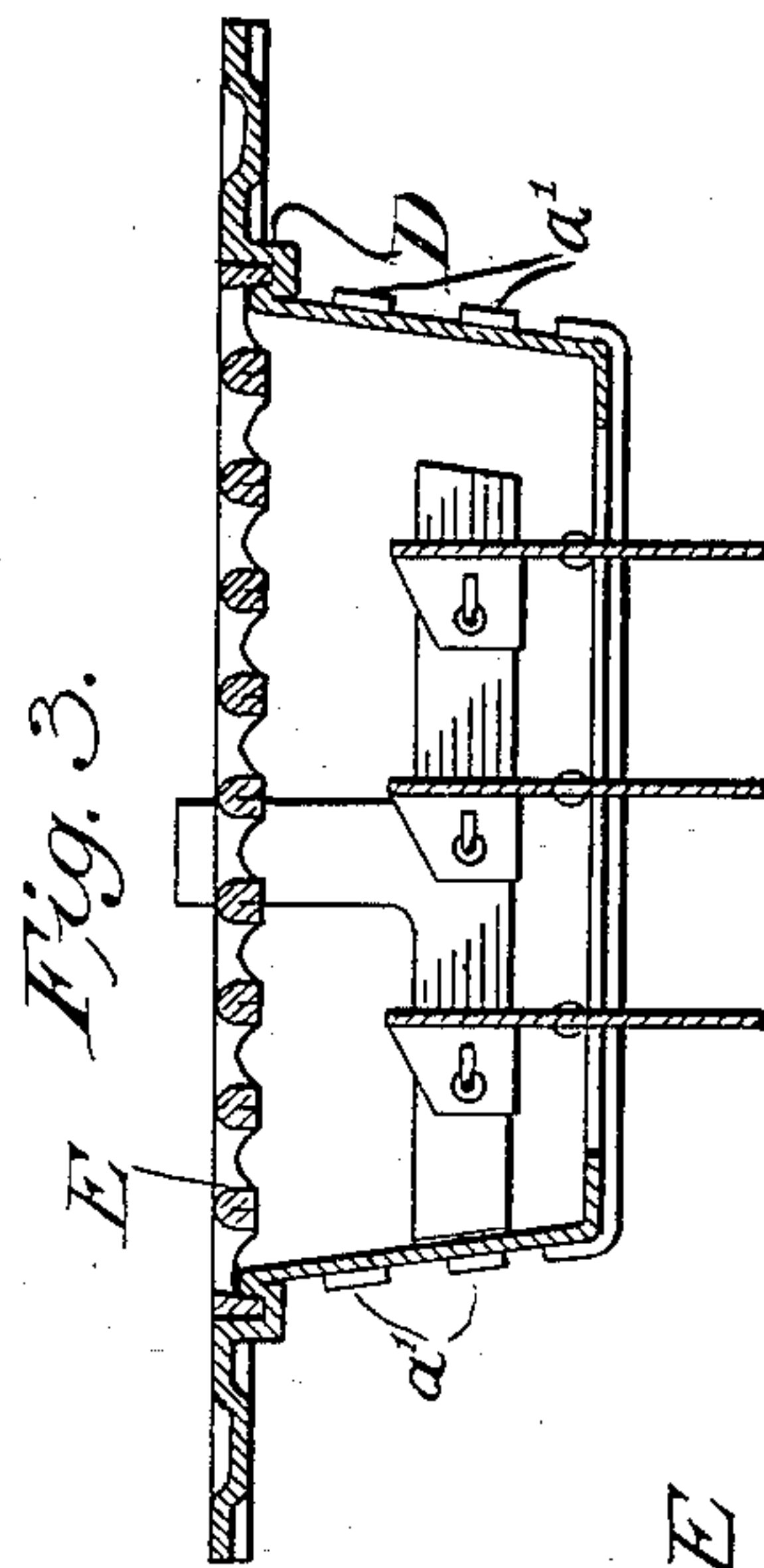
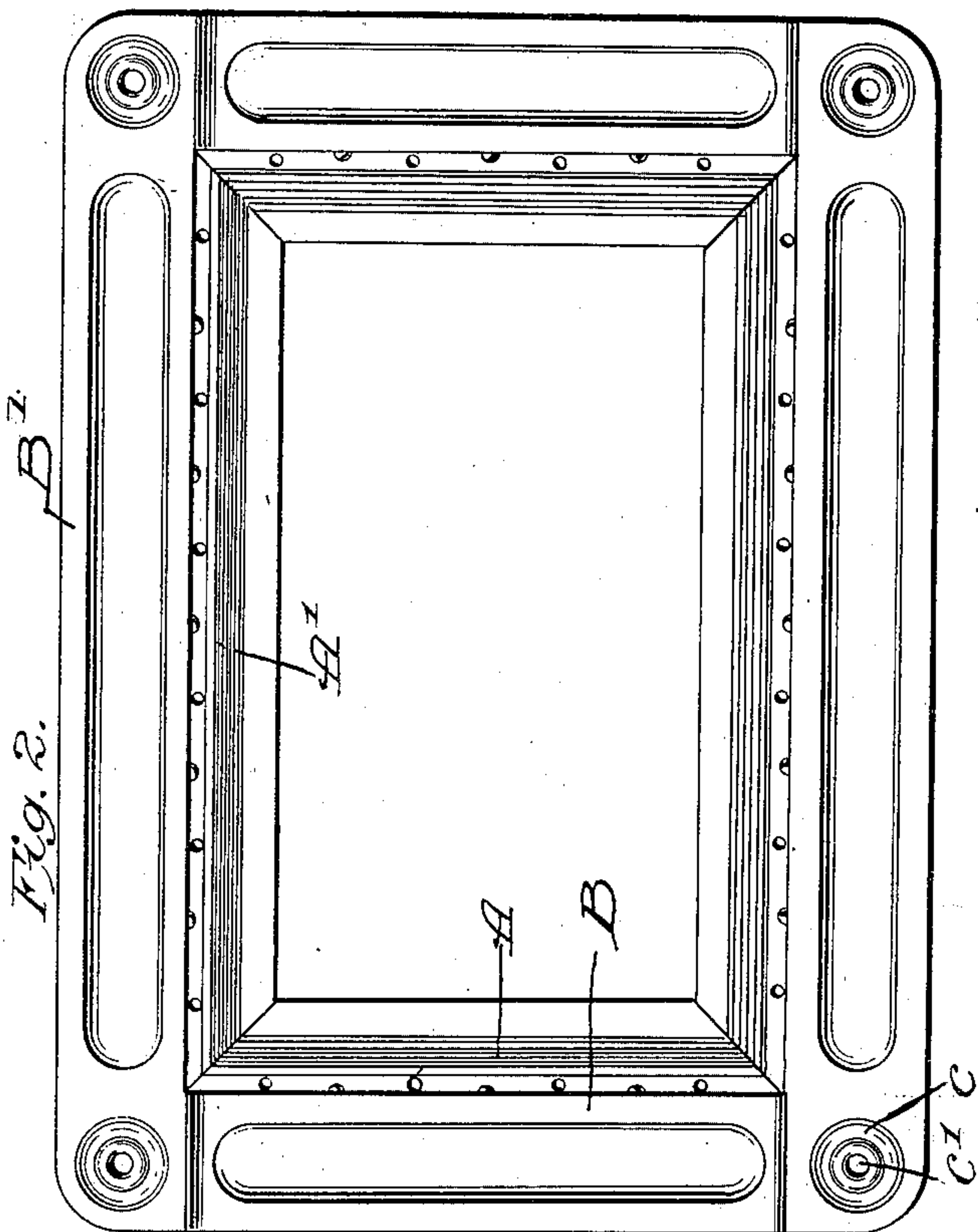
Patented Nov. 13, 1900.

H. S. HART & D. B. MARWICK.

REGISTER.

(Application filed May 10, 1900.)

(No Model.)



WITNESSES:

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HOWARD S. HART AND DAVID B. MARWICK, OF CHICAGO, ILLINOIS.

REGISTER.

SPECIFICATION forming part of Letters Patent No. 661,639, dated November 13, 1900.

Application filed May 10, 1900. Serial No. 16,158. (No model.)

To all whom it may concern:

Be it known that we, HOWARD S. HART and DAVID B. MARWICK, citizens of the United States, residing at Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Registers, of which the following is a full, clear, and exact description.

Our invention relates to sheet-metal articles, and particularly to registers for hot air and the like; and our object is to provide a construction which will be at the same time light, inexpensive, strong, and attractive.

In the preferred embodiment of our invention shown in the drawings, Figure 1 shows a perspective and Fig. 2 a plan view with the top plate removed. Fig. 3 is a central section showing the top plate in place and with the casing drawn down from and integral with the top plate, and Fig. 4 is a detail.

In the above-preferred embodiment we have constructed the side walls A A' of the register-casing independent of each other—i. e., they are not integral—and each of these side walls has attached thereto, preferably integral therewith, a border-strip, as B B'. We preferably make one side wall and its border-strip from a single piece of sheet metal, bending the same as may be necessary, these border-strips having projecting ends, as b b', which, when the side walls A A' abut against each other, overlap, and we preferably provide corrugations, such as a rosette C, in each of these projecting ends, which corrugations may be in the form of a rose to engage each other, thus aiding in holding the parts in place. If desired, we may make screw-holes C' through these rosettes. The side walls are preferably joined together by interal tongues a a', which are bent over on the adjacent wall and hold the parts firmly together.

To provide a securer fastening means for the top plate, we have formed the casing with a groove running around the side thereof at any convenient part, such as shown at D, Figs. 3 and 4. This groove need not necessarily run entirely around the casing. The downwardly-extending flange e on the top plate E rests in this depression, and we have provided a spring-catch between the casing and the top

plate, which may be formed by stamping into the groove a projection F, which may engage with a suitable depression e' in the flange of the top plate.

The border and walls of the casing may be integral and made from one single sheet of metal, the casing being drawn down therefrom and standing at an angle thereto. In the present case the walls form an obtuse angle with the border.

It is obvious that many changes may be made in the construction herein disclosed without departing from the spirit of our invention.

What we claim is—

1. A register-casing formed of a plurality of independent side walls abutting against each other at an angle, each of said side walls having attached thereto a border-strip, said strips having projecting ends adapted to overlap each other, and said overlapping ends having nesting corrugations thereon.

2. A register-casing formed of a plurality of independent sheet-metal side walls abutting against each other at an angle, each of said side walls having integral therewith a sheet-metal border-strip, said strips having projecting ends adapted to overlap each other, and said overlapping ends having nesting corrugations thereon and registering perforations to receive a fastening device.

3. A register-casing formed of a plurality of independent sheet-metal side walls abutting against each other at an angle and having integral tongues, the tongues on one side wall being located in the slots between the tongues of the other side wall and bent over to hold the parts in place, each of said side walls having integral therewith a sheet-metal border-strip, said strips having projecting ends provided with corrugations adapted to overlap each other, said corrugations then engaging each other.

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Witnesses:

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