

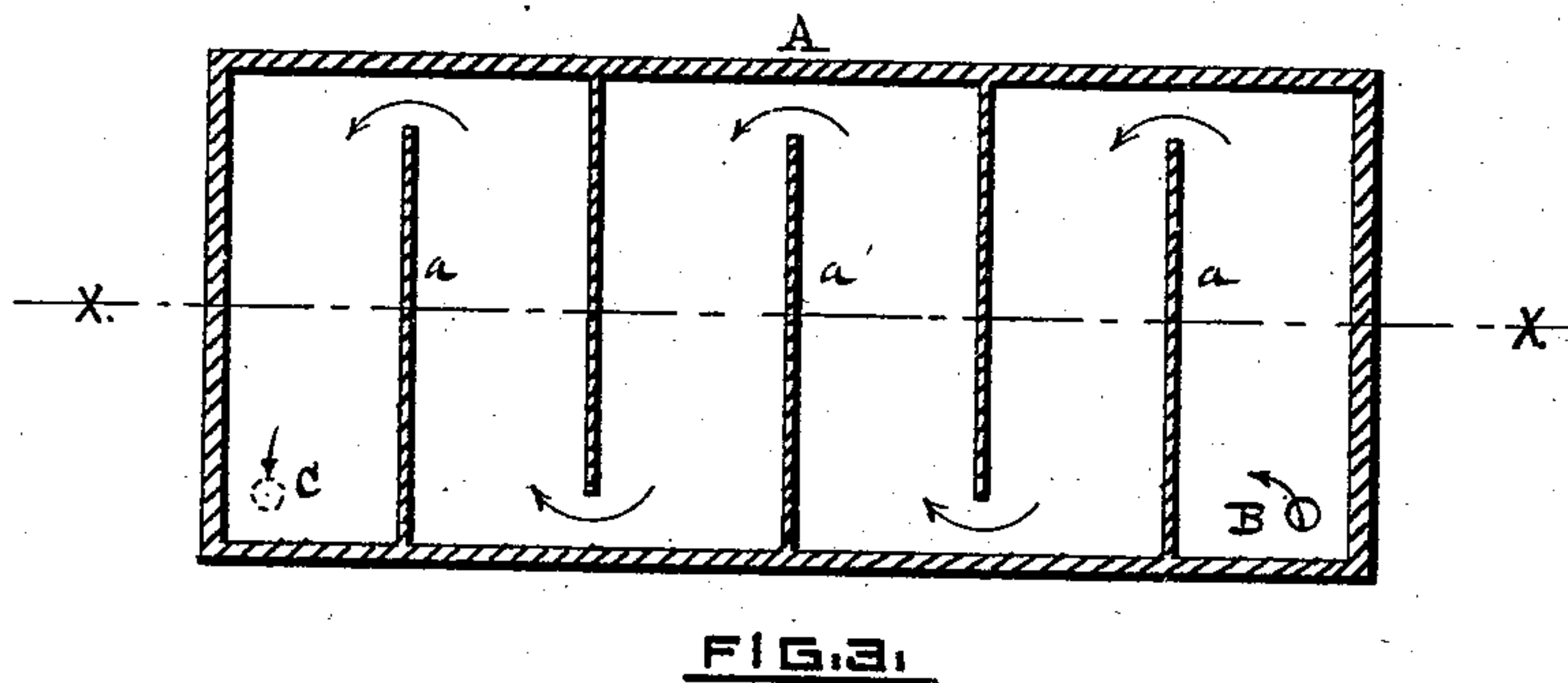
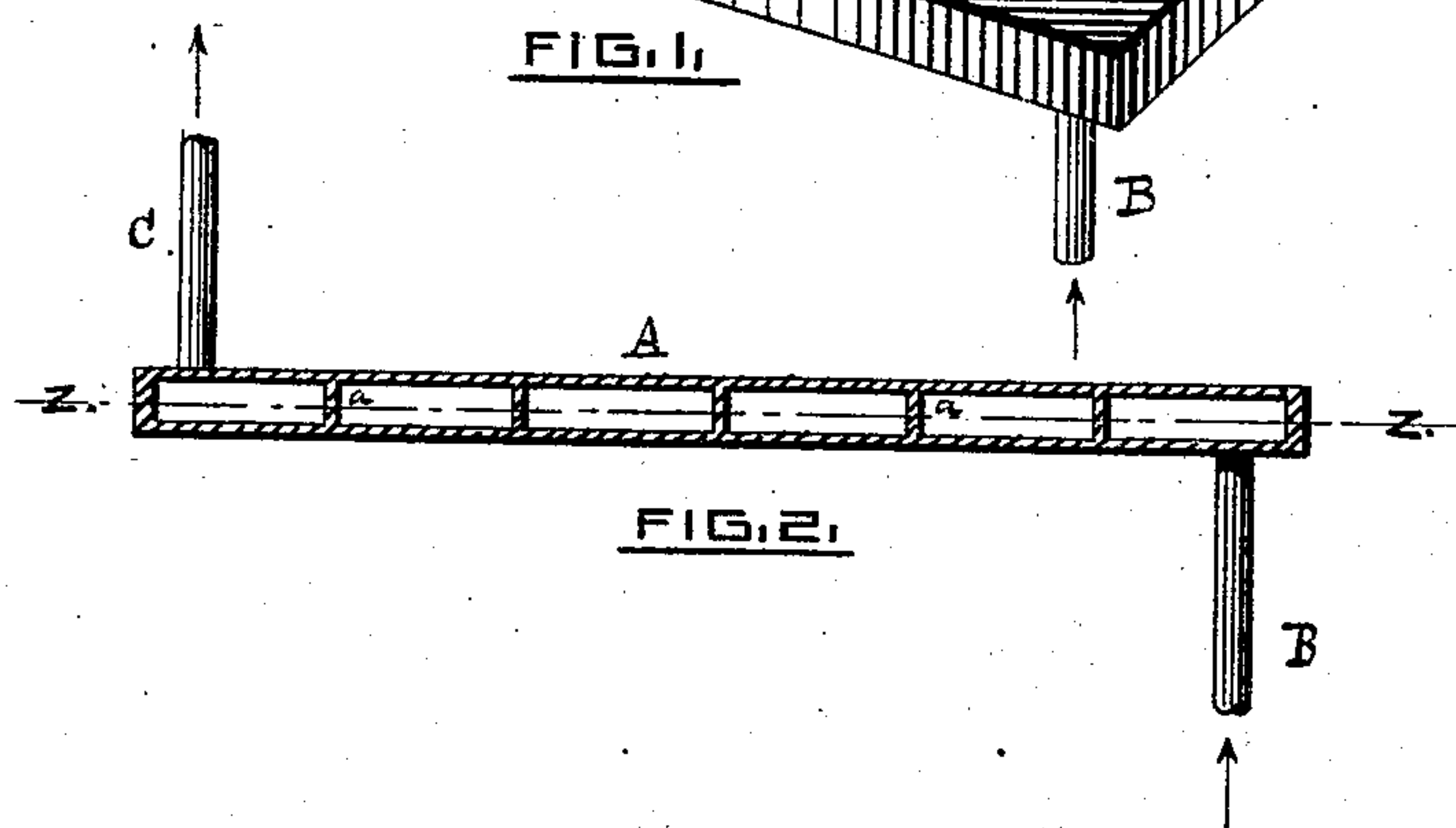
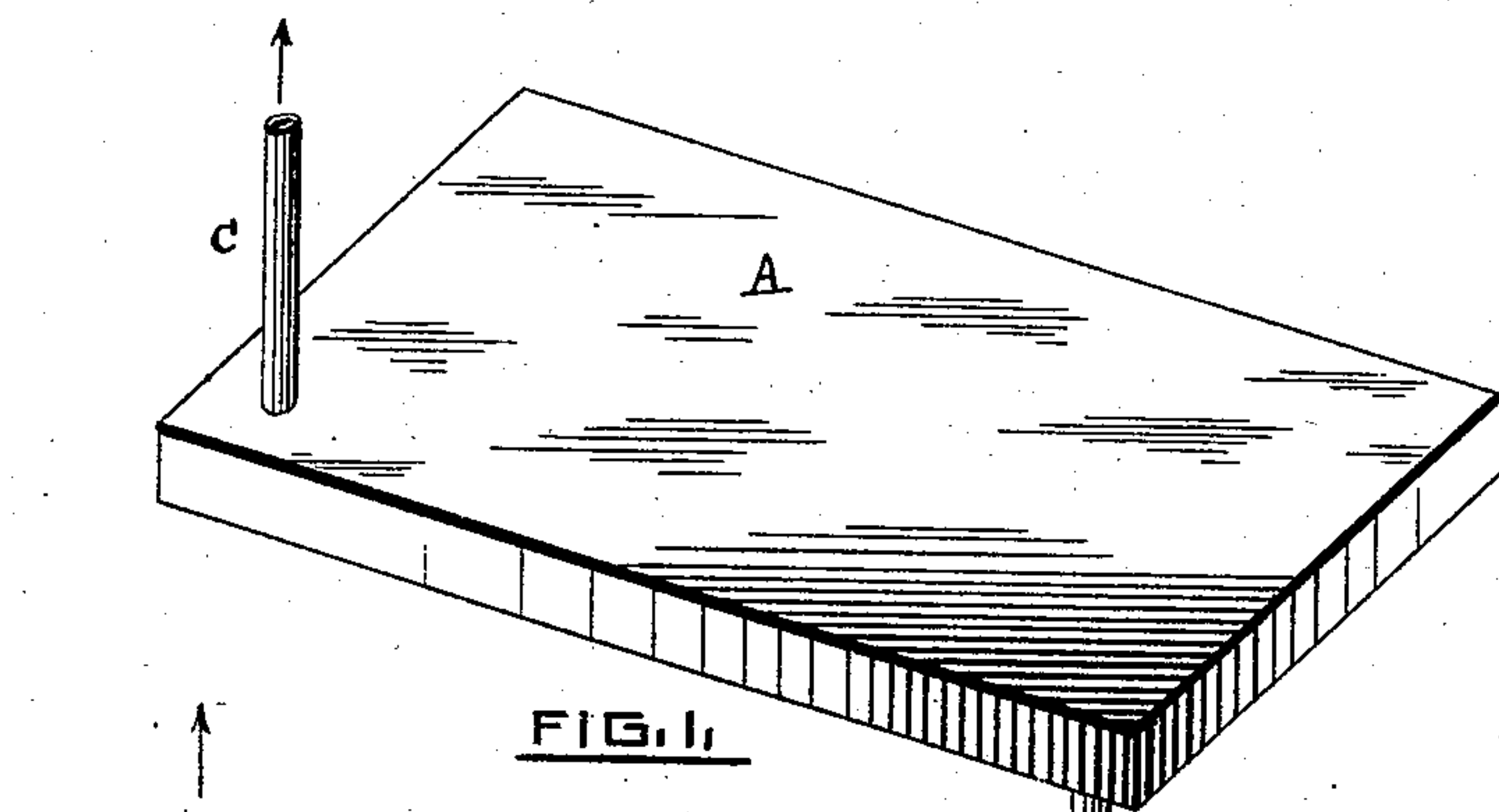
(No Model.)

J. H. ROBERTS.

CANDY COOLER.

No. 289,859.

Patented Dec. 11, 1883.



WITNESSES,

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UNITED STATES PATENT OFFICE.

JOHN H. ROBERTS, OF PROVIDENCE, RHODE ISLAND.

CANDY-COOLER.

SPECIFICATION forming part of Letters Patent No. 289,859, dated December 11, 1883.

Application filed October 1, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. ROBERTS, of the city and county of Providence, in the State of Rhode Island, have invented a new and useful Improvement in Candy-Coolers; and I declare the following to be a specification thereof, reference being had to the accompanying drawings.

Like letters indicate like parts.

Figure 1 is a perspective view of my invention. Fig. 2 is a vertical section on the line *x* of Fig. 3. Fig. 3 is a transverse section on the line *z* of Fig. 2.

My invention relates to confectioners' tables for working and cooling candy; and it consists of a metallic slab cast in one piece with a central inclosed space partially divided at intervals by partitions, and provided with inlet and outlet pipes for the passage of cold water through said internal space in circuitous currents around said partitions.

In the drawings, A represents the table or slab, which may be supported by brackets or legs or in any suitable manner. It is made of cast metal and is hollow, as shown in Figs. 2 and 3, having at intervals partitions *a a*, formed in said casting. These partitions are integral with the slab and extend from top to bottom of the internal space, as seen in Fig. 2, but are open at their alternate ends, as shown in Fig. 3, to form a continuous and circuitous sluice or water-way. At one corner of the slab or table A is an inlet-pipe, B, and at an opposite corner is the outlet-pipe C. These pipes conduct the water from a reservoir or hydrant. The outlet C is a stand-pipe discharging the water vertically from the hollow table A to a point or plane higher than the upper surface of said table or slab.

In using my improved table, the heated mass of confectionery which is to be cooled is placed upon the surface of the slab, which is properly polished or smoothed, and the water is admitted through the pipes. The heat of the candy radiates from the under side of the table-top, and is imparted to the water, which completely fills said internal space, and is therewith carried off through the discharge-pipe. The water, constantly flowing through this inner space, immediately receives the heat by such radiation and passes away, while the entering current of cold water rapidly cools

the slab and the mass of confectionery upon it. By diverting the water-currents and making them follow around the partitions *a*, as shown by the arrow-marks in Fig. 3, the length of such current is increased, and the water traverses in this sluice or way every part of the interior surfaces, to cool the same.

The stand-pipe C, for the discharge of the heated water, is a useful and novel invention. Having its overflow higher than the top surface of the table A, it always insures the complete filling of the entire water-space within said table. If the waste water were discharged beneath the table, the interior space would not be kept full of water, but an air-space would be left for the formation of steam; but if said space is always fully occupied by flowing water the under or inner surface of the table-top is constantly cooled by its direct contact with such currents.

It is common for confectioners to use a marble slab for cooling; but such a slab cannot be joined to a metal or other table (which has an internal space for water-currents) in any manner sufficient to resist the pressure of the usual hydrant water-supply in our cities. I obviate this liability of leakage by casting the slab or table in one piece having thin top, bottom, and side surfaces and the cross-partitions described, such construction being cheaper and more useful, because all joints and seams are thus dispensed with.

I claim as a novel and useful invention and desire to secure by Letters Patent—

1. The improved confectioner's table herein described, consisting of the slab A, of cast metal in one piece, with an interior water-sluice formed by partitions *a a*, integral with said slab, but with suitable openings, and having inlet and outlet pipes B C, substantially as specified.

2. In a confectioner's table, a slab, A, having an internal passage, in combination with an inlet-pipe, B, and a stand-pipe, C, arranged to discharge the waste water at an altitude above the top surface of said table, substantially as described.

JOHN H. ROBERTS.

Witnesses:

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