No. 722,137. PATENTED MAR. 3, 1903.

H. PASSBURG.

SUGAR MOLD.

APPLICATION FILED SEPT. 10, 1902.

NO MODEL. 3 SHEETS—SHEET 1.

Fig. 1.

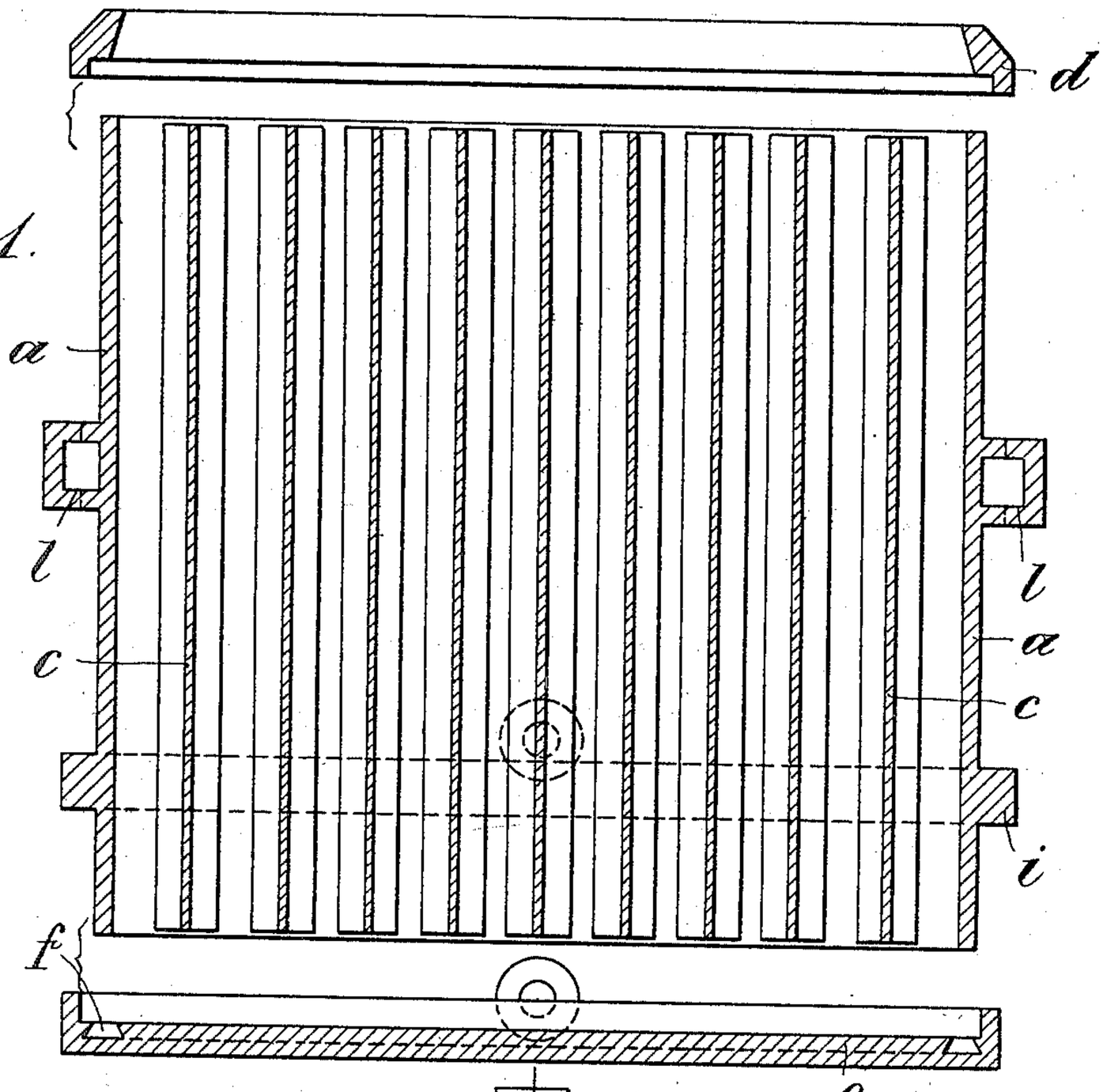
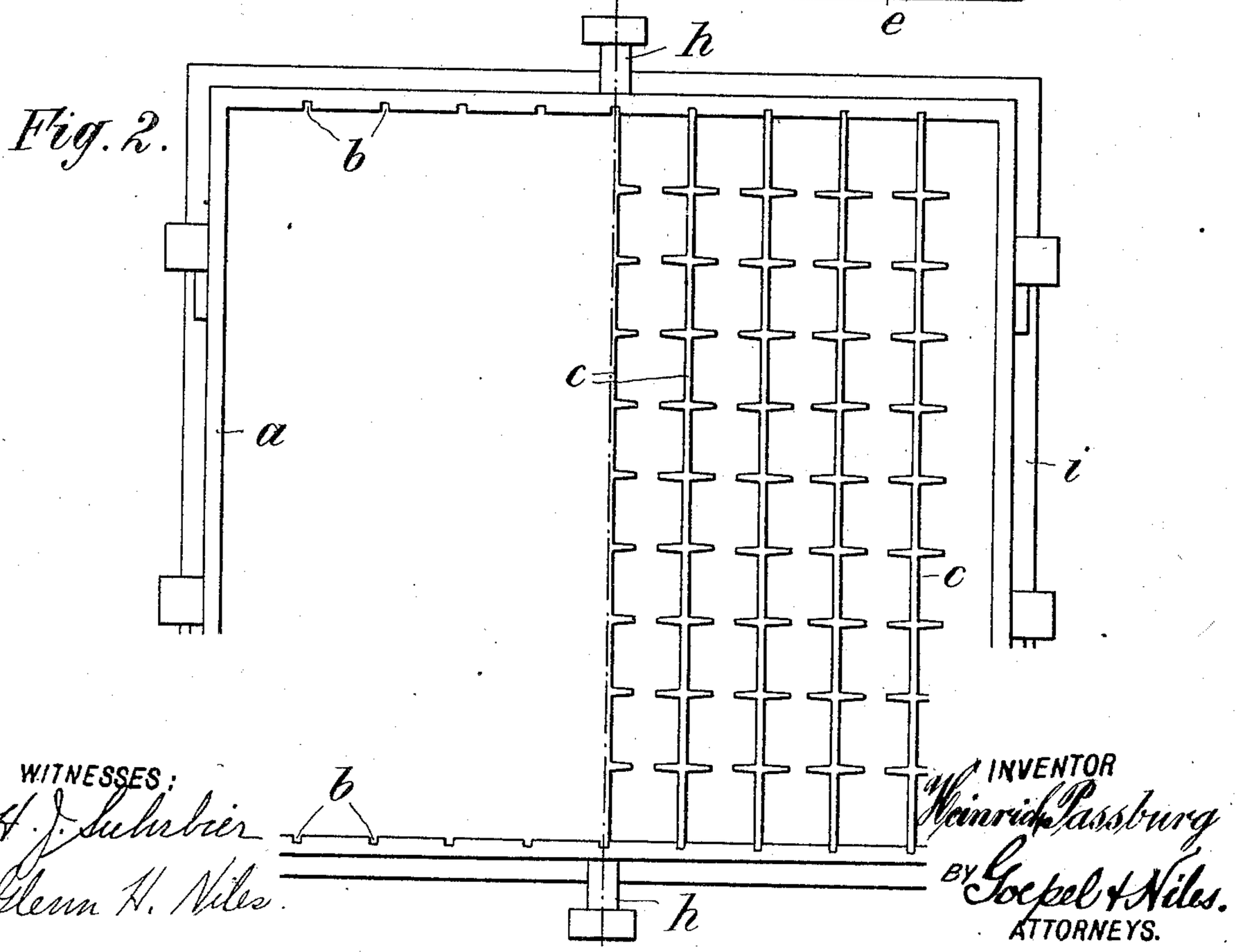


Fig. 2.



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NO MODEL. 3 SHEETS—SHEET 2.

Fig. 3.

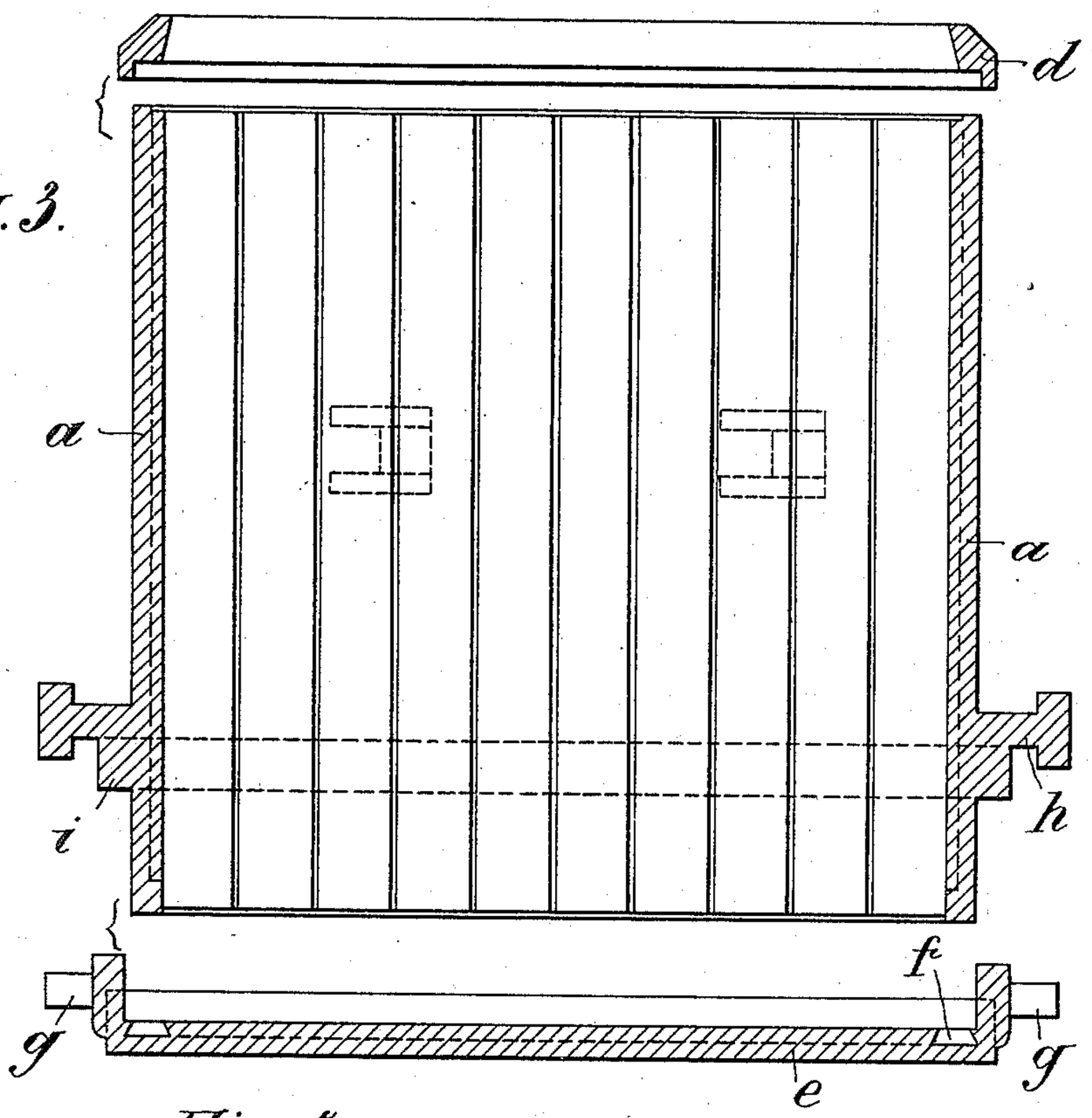
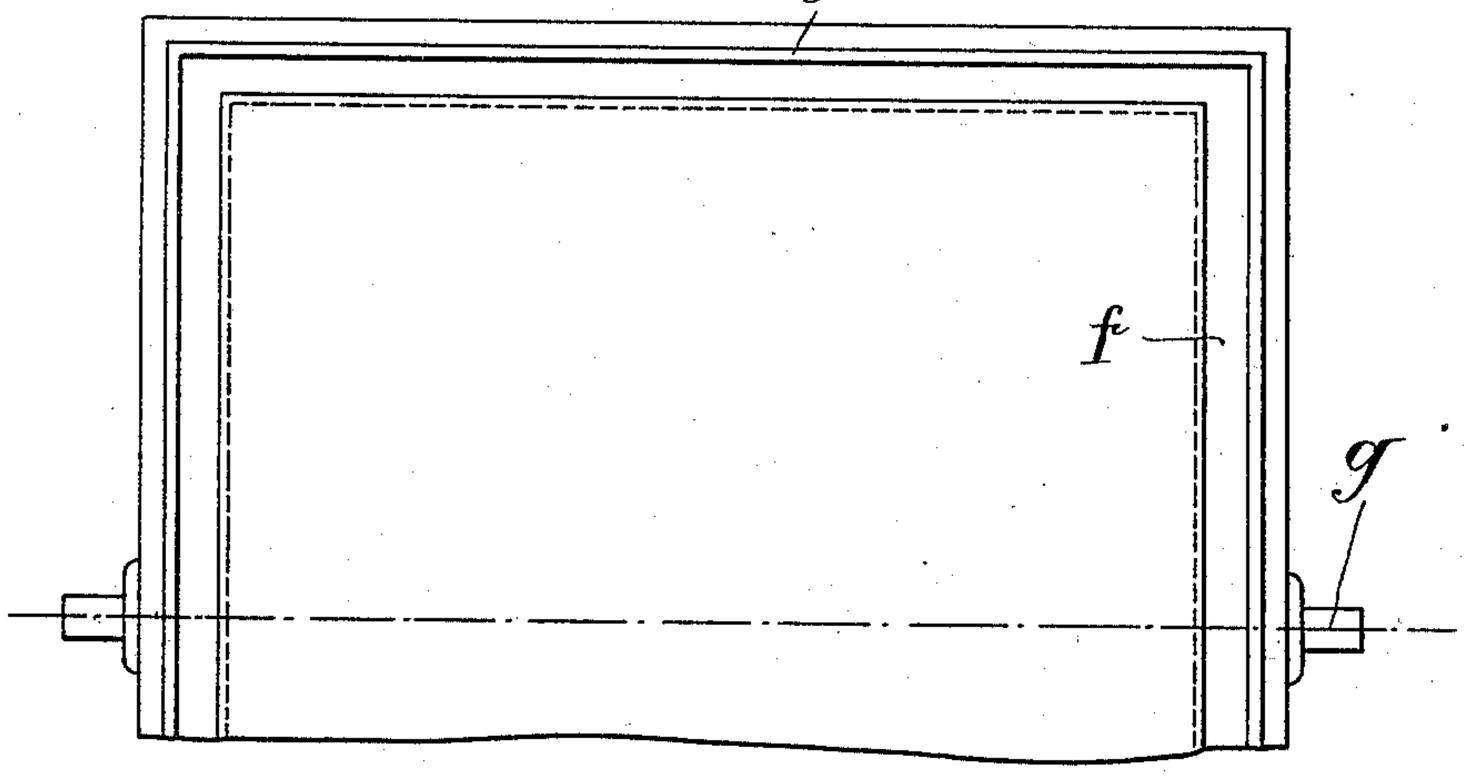


Fig. 5.



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No. 722,137. PATENTED MAR. 3, 1903.

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APPLICATION FILED SEPT. 10, 1902.

NO MODEL. 3 SHEETS—SHEET 3.

Fig. 4.

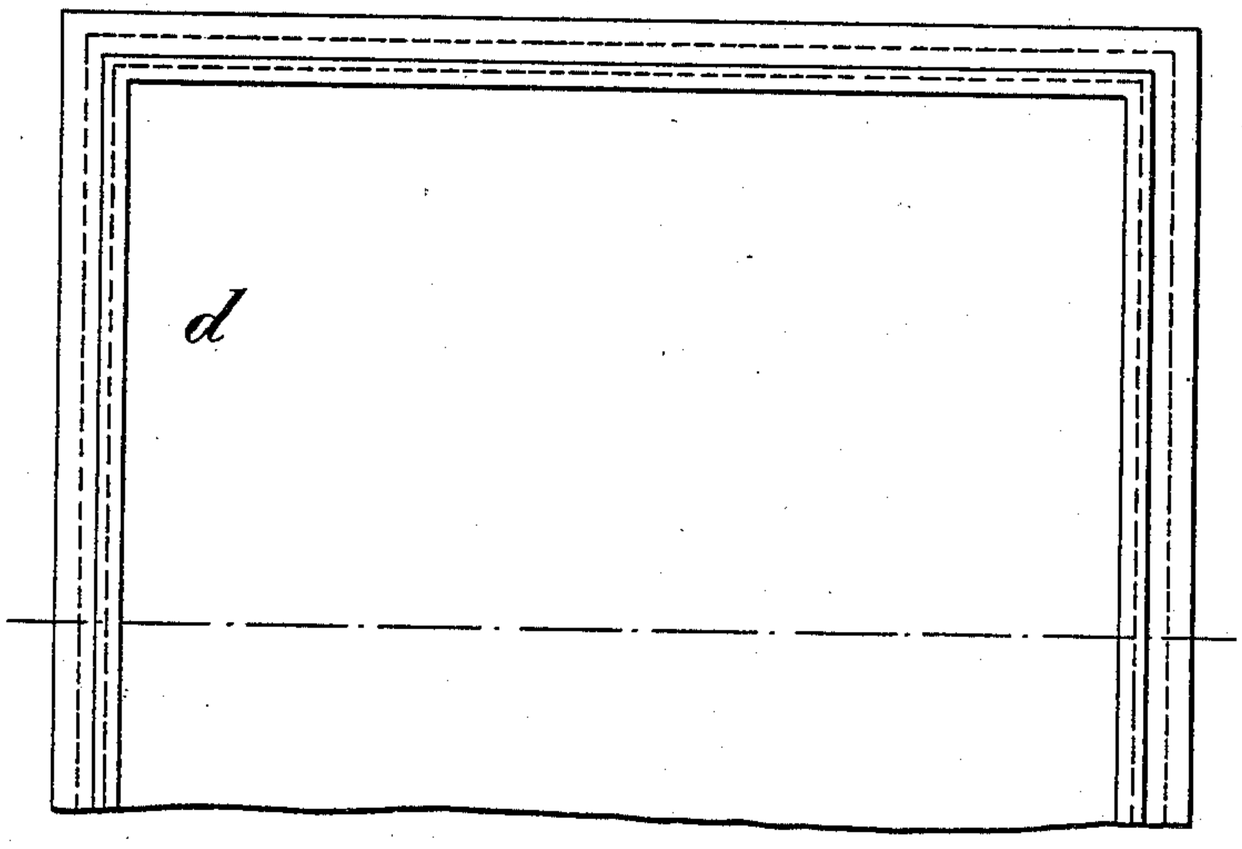


Fig. 6.

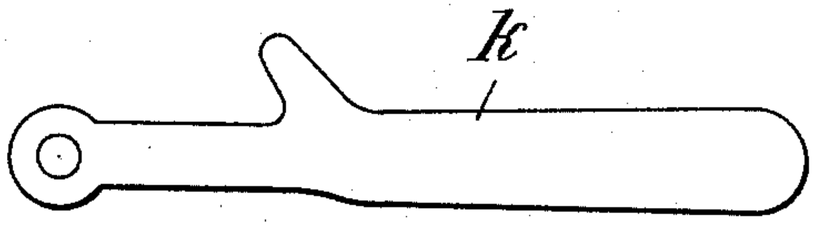
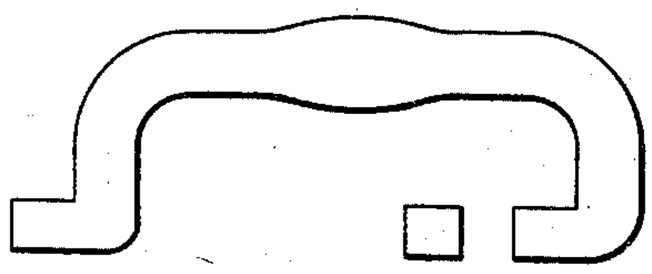


Fig. 7.

Fig. 8.



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UNITED STATES PATENT OFFICE.

HEINRICH PASSBURG, OF MOSCOW, RUSSIA.

SUGAR-MOLD.

SPECIFICATION forming part of Letters Patent No. 722,137, dated March 3, 1903.

Application filed September 10, 1902. Serial No. 122,764. (No model.)

To all whom it may concern:

Be it known that I, HEINRICH PASSBURG, a citizen of the Empire of Germany, residing in Moscow, in the Empire of Russia, have invented certain new and useful Improvements in Sugar-Molds, of which the following is a specification.

The object of this invention is to provide means whereby sugar may be conveniently molded into plates of convenient form for being broken into small cubes or other forms for use; and for this purpose the invention consists of a sugar-mold comprising a frame open at its upper and lower ends, removable flanged partition-walls arranged vertically in said frame, an exterior closed bottom at the lower end of said frame, said bottom being detachably secured thereto and removable in outward direction from said lower end of the frame, and a removable hopper-like cover located at the upper end of said frame.

In the accompanying drawings, Figure 1 is a vertical longitudinal section through a mold embodying my invention, the bottom and cover of the mold being removed a short distance from the frame or body of the same. Fig. 2 is a top view of the mold, with parts broken away. Fig. 3 is a vertical section through the mold at right angles to Fig. 1. Fig. 4 is a plan view of the cover, a portion of the same being broken away. Fig. 5 is a plan view of the bottom, a portion being broken away. Figs. 6 and 7 are respectively a plan view and side view of the hooks for connecting the bottom removably with the frame or body; and Fig. 8 is a side view of a handle adapted to be employed in transporting the mold.

Similar letters of reference indicate corresponding parts.

In the drawings, *a* indicates the frame or body of the mold, which may be of suitable cross-section, preferably square, and having closed side walls. This frame or body is open at its upper and lower ends. Two opposite walls of said frame or body are provided, as indicated in Fig. 2, with oppositely-arranged grooves *b*, which serve for loosely receiving a number of cross-walls *c*, which cross-walls are provided with vertical flanges arranged opposite each other and extending from top to bottom of the cross-wall. For closing the lower end of the frame or body *a*, a bottom *e* is provided. This bottom has an upwardly-projecting flange extending around the same, so as to fit over the lower end of the frame or body, and is provided with a dovetailed groove directly beneath the lower edge of the frame or body, in which groove is inserted a strip of rubber, so as to secure the tight connection of the bottom with the frame or body *a*. The bottom is secured to the frame or body by means of hooks *k*, arranged one at each of two opposite sides of the bottom, said hooks being pivoted to the bottom on suitable studs or gudgeons *g* and adapted to hook over and upon studs or pins *h* on the frame or body of the mold. A flange *i* extends around the mold immediately below the pins *h* and serves for strengthening the mold at its lower portion and for providing support for the pins *h*. Eyelets *l* are provided at opposite sides of the frame or body *a* of the mold, which eyelets are adapted to receive the removable handle shown in Fig. 8, so that the mold may be transported whenever desired.

When it is desired to mold sugar in the mold described, the bottom *e* is first firmly secured to the frame or body by means of the hooks *k*. These hooks, which are not permanently secured to the studs or gudgeons *g*, but are removable therefrom, are placed at one end on the gudgeons and then hooked over the studs or pins *h*. The flanged cross-walls *c* are now inserted into the corresponding grooves *b* of the side walls of the mold, and the cover *d* is placed upon the upper end of the mold. The sugar solution is now run into the mold until the same is filled. During the filling and crystallizing process the cover *d* prevents overflowing of the solution. When the mold is completely filled and sufficiently cooled, the cover is removed, the bottom also removed, and the entire mass, composed of the crystallized sugar and the intermediate cross-walls *c*, is forced out from the mold in either direction by any suitable means. The plates of sugar formed between the cross-walls *c* are by reason of the flanges of said cross-walls provided with grooves and may be easily broken at said grooves into strips of practically square cross-section, and said strips or sticks are then broken into pieces or blocks of any desired length.

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

A sugar-mold, consisting of a frame or body open at its upper and lower ends, removable flanged partition-walls arranged vertically in said frame, an exterior closed bottom at the lower end of said frame, said bottom being detachably secured thereto and removable in outward direction from the lower end of the frame, and a removable hopper-like cover located at the upper end of said frame, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HEINRICH PASSBURG.

Witnesses:

GUSTAVE HARLEIGH,

HEINRICH DAMMANN.