

(No Model.)

W. STAAB.
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No. 504,443.

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Fig. 1.

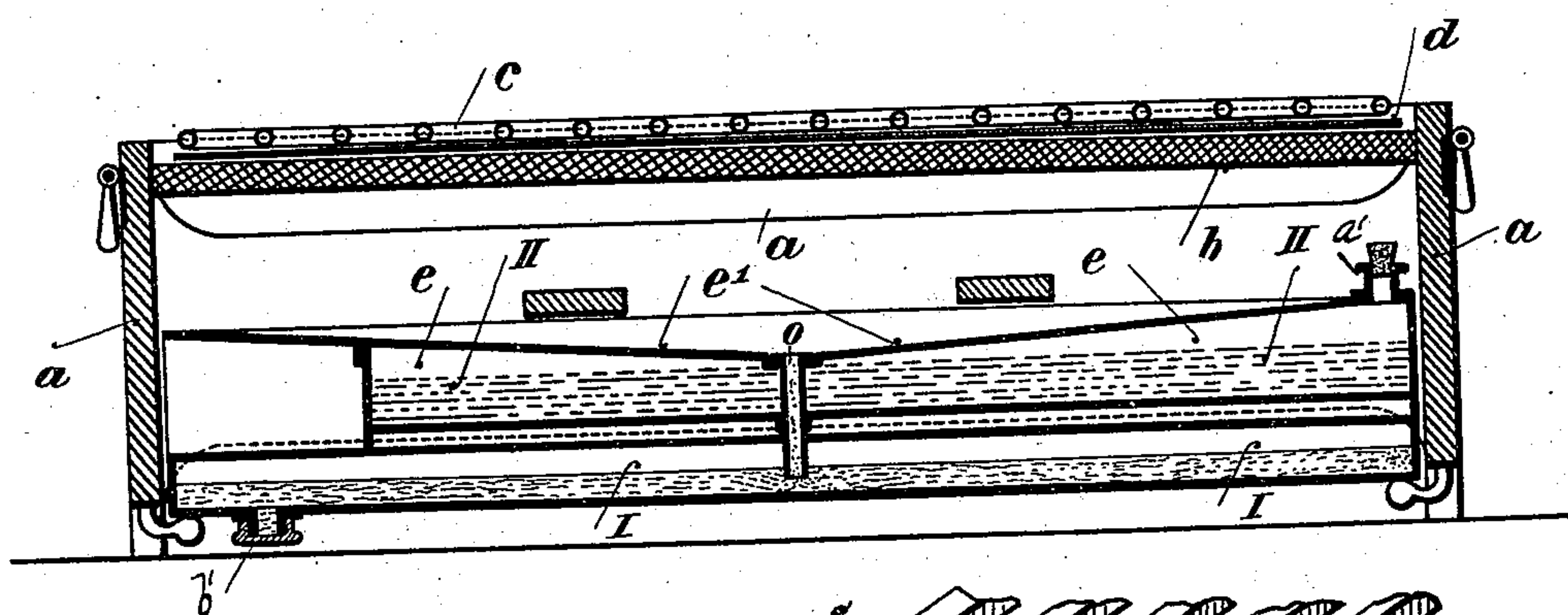


Fig. 4. Fig. 5. Fig. 6.

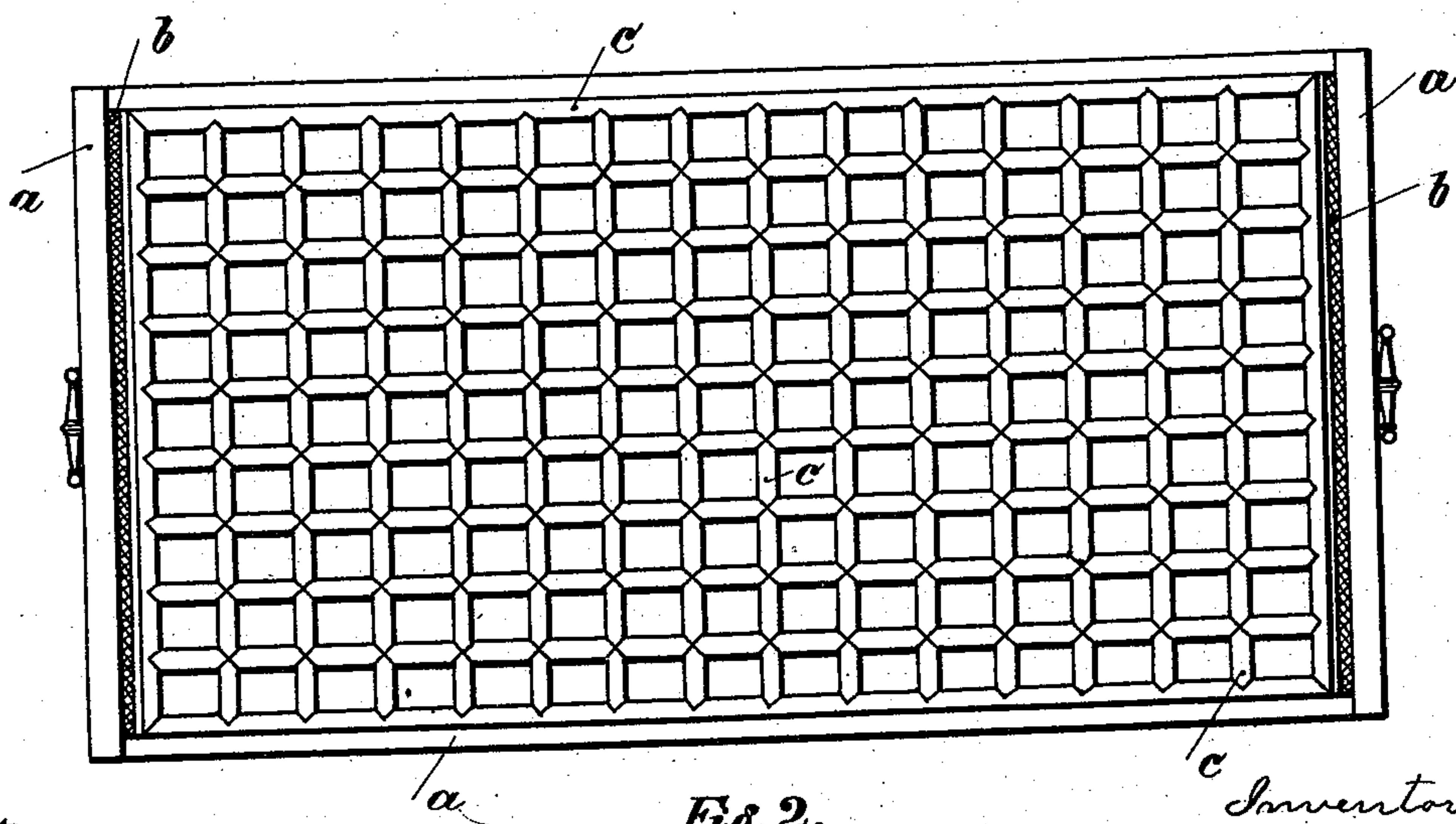
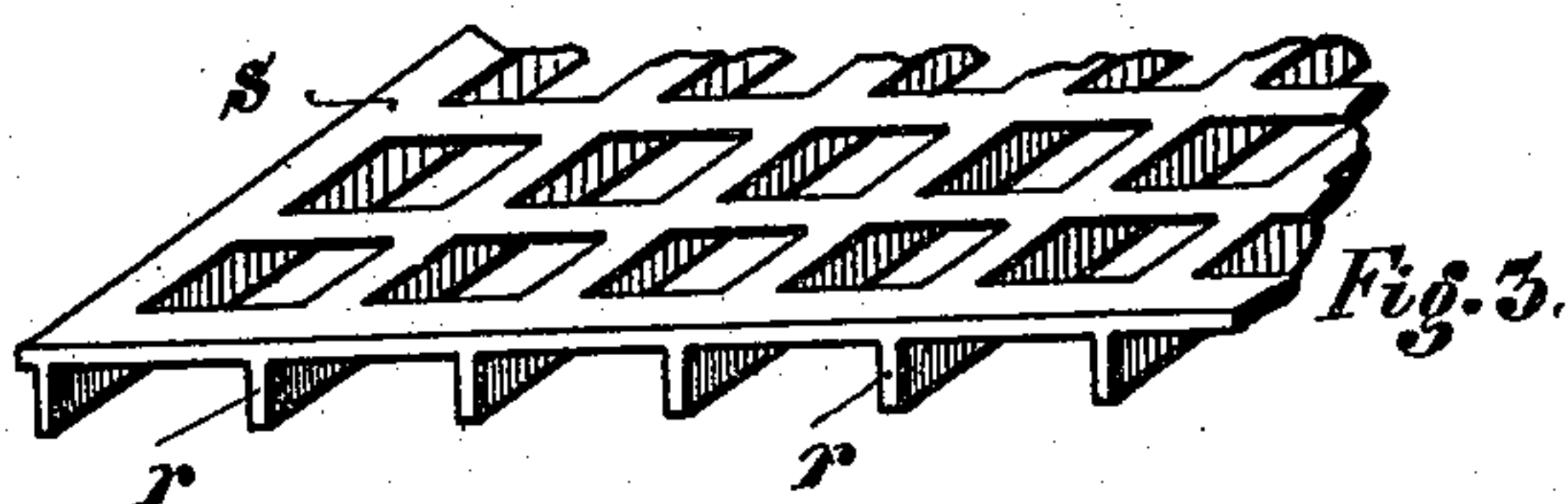


Fig. 2.

Witnesses:

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by

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UNITED STATES PATENT OFFICE.

WILLIAM STAAB, OF MUNICH, GERMANY.

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SPECIFICATION forming part of Letters Patent No. 504,443, dated September 5, 1893.

Application filed November 30, 1892. Serial No. 453,592. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM STAAB, a subject of the King of Bavaria, residing at Munich, Bavaria, Germany, have invented certain new and useful Improvements in Apparatus for Draining Children, of which the following is a specification.

The object of the present invention is to provide for the drying of the clothes of small children and sick persons when their garments or the bed clothes become wet and thus remove the annoyance and liability to chafing or worse results.

The invention consists of the simple apparatus hereinafter fully described and particularly claimed.

In the drawings:—Figure 1, shows a longitudinal section of the apparatus; Fig. 2, a top view of the same. Figs. 3, 4, 5 and 6 are details of modifications.

The frame *a*, supports an elastic wire netting *b*, protected against rust and through which everything can pass. This netting *b*, forms a spring support or mattress for a layer *c*, made of very light rubber. This layer can be made of small rubber pipes which cross each other as shown in Fig. 2, which may be filled with air and thus made very elastic.

Instead of being made of little tubes as shown in Fig. 2, it is possible to use little reglets cut out in a semi-circular or other convenient shape, (as in Figs. 4, 5, and 6.) In the form shown in Fig. 5, elasticity is imparted by the flanges which support the reglets.

Instead of the netting of pipes or reglets as described above it is also possible to use a perforated layer of rubber or other watertight cloth as at Fig. 3, which has downwardly projecting ribs *r*, on its under face.

The walls of the tubes or reglets are made as light as possible in order to give easily to the pressure of the child put upon it and to form a very soft support. Under the described layer *c*, I place a layer *d*, made of linen or of some other convenient permeable material. The object of it is to prevent a

draft from below and to protect the wire netting or mattress against being soiled by the excrements. Under the wire netting *b*, a reservoir *e*, is located, the incline surfaces *e'* forming the cover. In the center there is an opening *o*, through which the urine flows off to the reservoir. It is well to close the opening by means of a siphon or other device, in order to make it as air tight as possible and thus prevent all odor. The working of the apparatus is very simple. The layer *c*, is so soft that the child rests very easily upon it while the liquid flows off with facility.

The apparatus can also be used for grown sick persons.

If the child requires heat the reservoir *e*, can be divided into several compartments in which it is possible to put hot water. Fig. 1, shows a reservoir constructed in this way. The compartment I, receives the urine while the hot water is put into compartment II. To fill the latter an opening is made at *a'* and a discharge opening at *b'*, in the part I. The whole is constructed so that the hot water reservoir is located in the upper part and the receptacle for the urine is separated from the same. The hot water compartment is made of such length that the heated surface does not extend to the position of the head of the child.

I claim—

1. In combination, with the frame *a*, a wire netting *b*, a reservoir beneath the same and a hot water compartment, substantially as described.

2. In combination with the frame *a*, a wire netting *b*, a drip pan beneath the netting, a compartment I in connection with the drip pan, and an intermediate hot water chamber *e*, substantially as described.

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

WILLIAM STAAB.

Witnesses:

ALBERT WEICKMANN,
CARL MAYER.