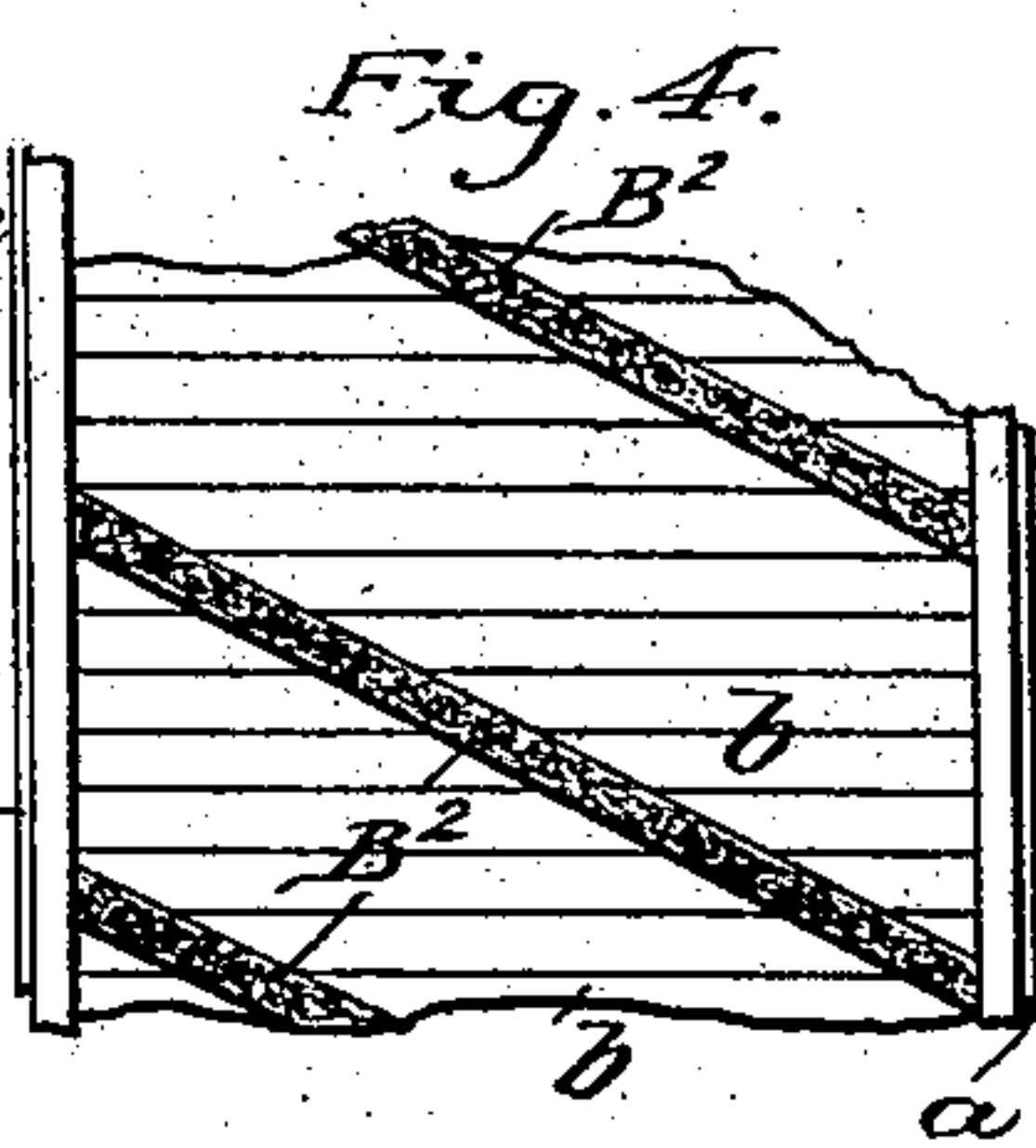
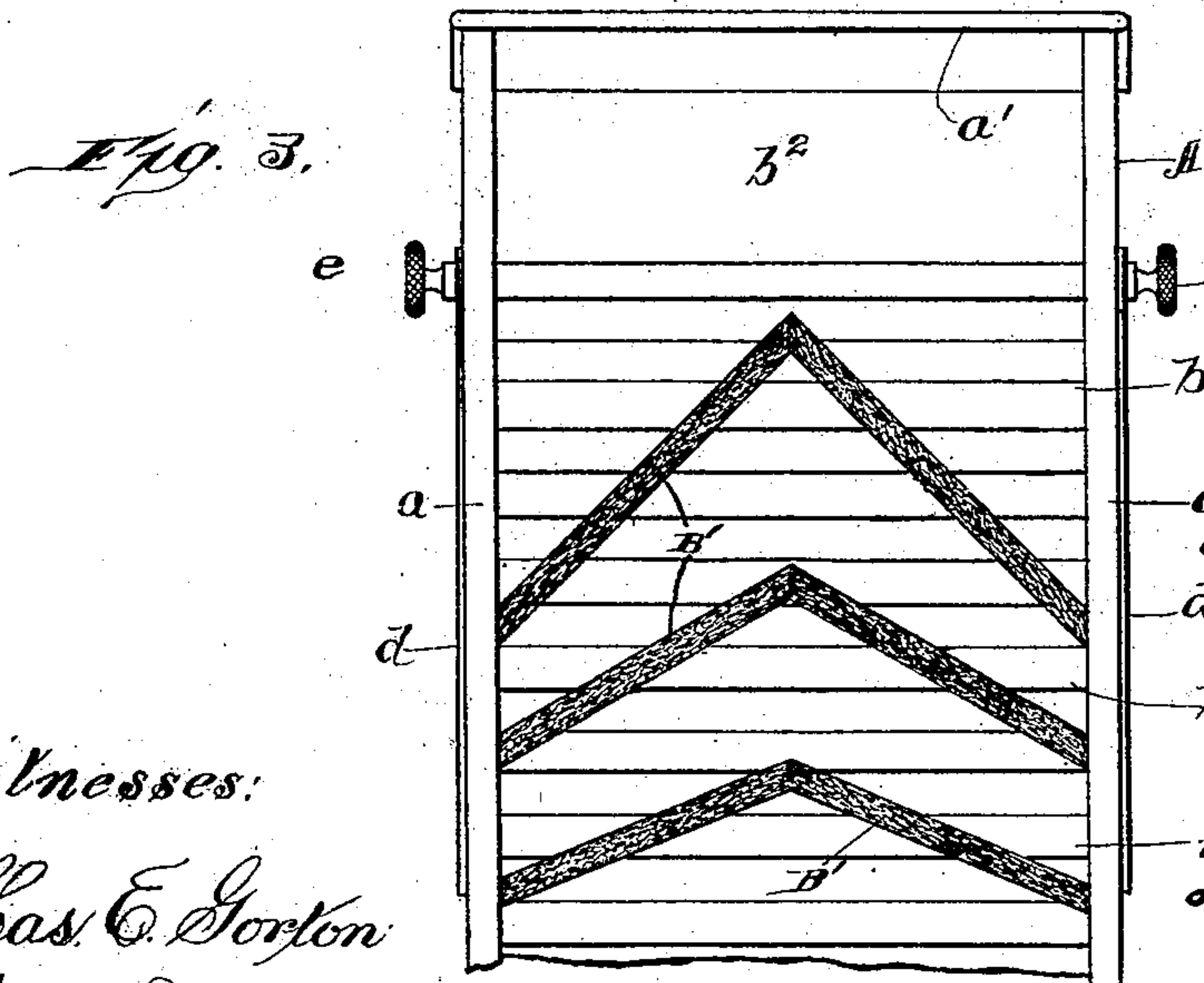
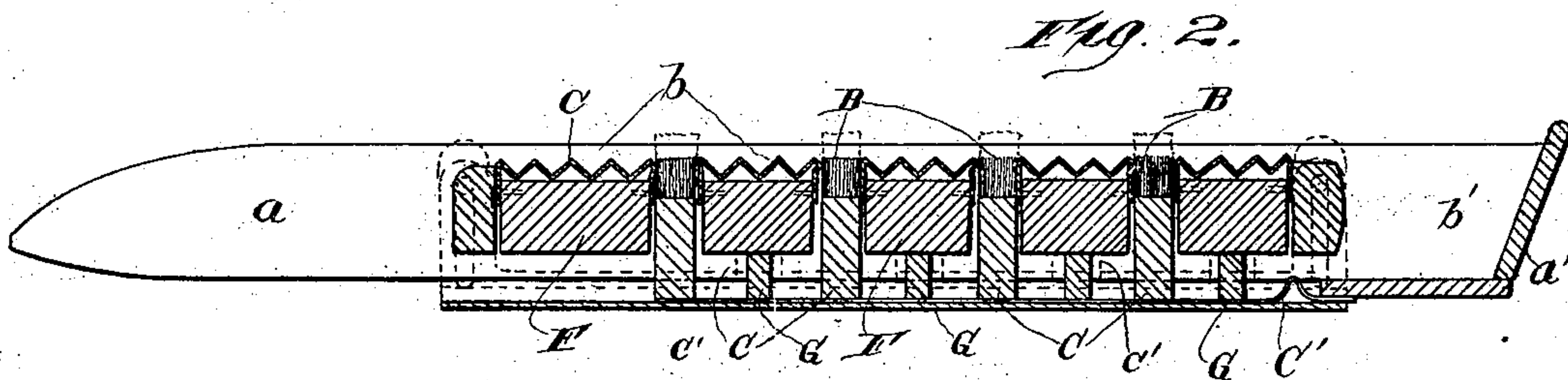
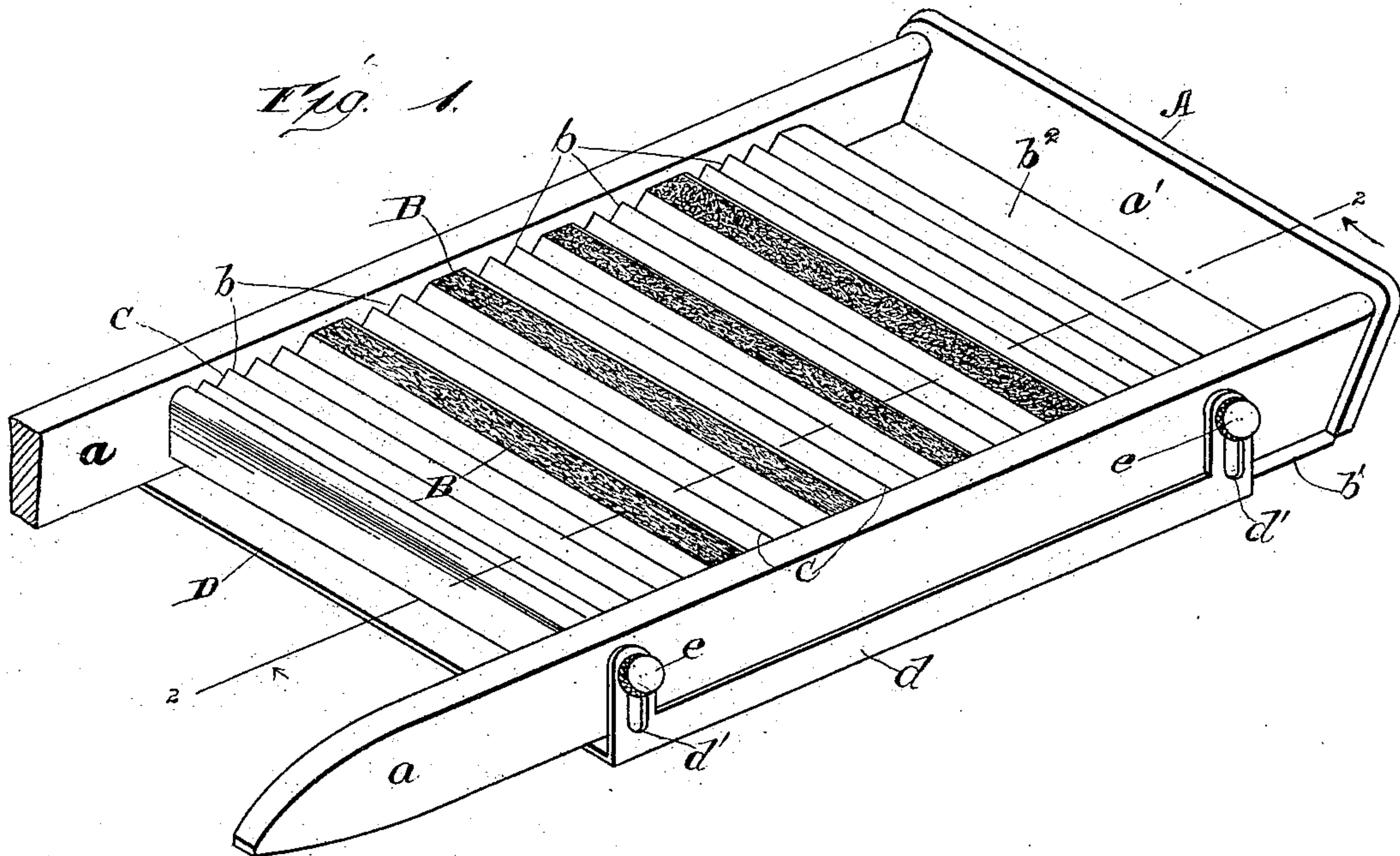


(No Model.)

D. C. JULESOM.
WASHBOARD.

No. 512,302.

Patented Jan. 9, 1894.



Witnesses:

Chas. E. Gorton
C. A. Duggan.

Inventor:

David C. Julesom

By Chas. C. Tillman

[Signature]

UNITED STATES PATENT OFFICE.

DAVID C. JULESOM, OF CHICAGO, ILLINOIS.

WASHBOARD.

SPECIFICATION forming part of Letters Patent No. 512,302, dated January 9, 1894.

Application filed April 3, 1893. Serial No. 468,896. (No model.)

To all whom it may concern:

Be it known that I, DAVID C. JULESOM, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Washboards, of which the following is a specification.

This invention relates to improvements in wash-boards, and consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set forth and specifically claimed.

The objects of this invention are, first, to provide a wash-board, which shall be simple and inexpensive in construction, strong and durable, yet effective in operation, and, second, such a device, which by reason of its construction will economize in the quantity of soap used, and will keep the garments continually saturated with soap-suds, and will also facilitate the operation of cleansing, by reason of the flexible or yielding nature of the rubbing surface.

In order to enable others skilled in the art, to which my invention pertains to make and use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1, is a perspective view of my wash-board, as it appears when ready for use. Fig. 2, is a longitudinal sectional view, taken on line 2, 2, of Fig. 1. Fig. 3, is a face view of a portion of the board, showing a modification in its construction; and Fig. 4, is a face view of a portion of the board, showing still another modification in its construction.

Similar letters refer to like parts throughout the different views of the drawings.

A, represents the main frame of the board, which is made of any suitable size, form, and material, but preferably rectangular in shape, as shown in the drawings, and is formed of two side pieces *a*, which are placed parallel one with the other, and the upper end piece *a'*, which is secured cross-wise of the side pieces.

To the inner surface of the side-pieces *a*, is secured in any suitable manner corrugated sections *b*, which are preferably made of zinc on account of its non-corrosive nature, but

may be made of any other suitable material. The corrugations of said sections are preferably formed angular, as shown at *c*, and may extend cross-wise of the board or horizontally, when it is in a vertical position, or in position for use.

Between the upper section *b*, and the cross-piece *a'*, and to the lower surface of the side pieces *a*, is secured a board or bottom *b'*, which forms a box or receptacle *b''*, for a cake of soap. As shown in the drawings, the sections *b*, of corrugated material are slightly separated one from the other, within which spaces are located brushes *B*, which are secured to movable blocks or pieces *C*, the lower portions of which rest upon the adjustable plate *D*, which plate is formed on each side with an upturned flange *d*, and has at or near its upper and lower corners, slots *d'*, within which operate set or thumb-screws *e*, which are fixed to the outer surface of the side pieces *a*, as is clearly seen in Figs. 1, and 3, of the drawings. The sections *b*, are secured to blocks or pieces *F*, which pieces are rigidly secured to the inner surfaces of the side pieces *a*, and extend downward to near the lower surface thereof, as is shown in Fig. 2. Below the blocks *F*, are placed longitudinally therewith, movable pieces *G*, which are rectangular in cross section, and have a greater depth than thickness, and are adapted to be turned over on their sides, when it is desired to raise the brushes *B*, by means of the adjustable plate *D*, which plate covers the lower surface of the frame of the board. To about the middle of each of the blocks or pieces *C*, and preferably transversely therewith, is secured a strap *C'*, which more firmly secures said pieces in their proper places.

In Fig. 3, I have shown a modification in the construction of my board, which I may sometimes employ, and which consists in forming the sections *b*, of the corrugated material, with oblique spaces between said sections, into which, are fitted the brushes *B'*, which are mounted on blocks *C*, as before stated, and may be raised or lowered within said spaces by means of the adjustable plate *D*, in a like manner, as set forth in the construction above described. In this modification the movable pieces *G*, may be used as

before, except that they will be necessarily be placed in a position to correspond with the angle of the spaces. In this modification I have illustrated the spaces and brushes in substantially A-shaped form, but it is obvious that I may invert them, and thus produce V-shaped spaces, or I may make the spaces diagonally across the face of the board, as indicated in Fig. 4 in which the brushes B², are placed and operated, as in the other construction.

The operation of my device is simple and is as follows: The plate D, having the blocks or pieces G, interposed between its surface, and the surfaces of the pieces F, is secured to the sides of the frame by means of set-screws in such a position that the top of the brushes B, will be flush with the upper surfaces of the corrugated sections *b*, when by rubbing soap and water thereover, the brushes will absorb and retain the lather or soap-suds, and when the clothes or garments are rubbed upon, the rubbing surface as they are passed over the brushes, the same will slightly yield by reason of their brushy nature, and also on account of this flexibility of the adjustable plate D, which for this purpose is preferably made of a flexible sheet of zinc, or other suitable non-corrosive material. After the board has been used for a while, and the brushes shall have been worn out or shortened by use and friction, they may be raised by turning the blocks or pieces G, on their sides, as indicated at *c'*, by dotted lines, when the plate D,

may be correspondingly adjusted by means of its set-screws.

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

1. As an improved article of manufacture, a wash-board consisting of a main frame, a corrugated surface divided into sections, brushes interposed between said sections, and an adjustable plate for raising and lowering the brushes, substantially as described.

2. As an improved article of manufacture, a wash-board having its face formed of alternate sections of corrugated and brush surfaces, the brushes being provided with movable blocks, and the flexible and adjustable plate to raise and lower the brushes, substantially as described.

3. In a wash-board, the combination of the main frame A, with the corrugated sections *b*, having the pieces F, fixed to the frame, the brushes B, mounted on the movable pieces C, and interposed between the sections *b*, the plate D, having the slots *d'*, for the set-screws *e*, adjustably secured thereby to the frame, and the movable pieces G, placed between the plate D, and the blocks F, all constructed, arranged and operating substantially as and for the purpose set forth.

DAVID C. JULESOM.

Witnesses:

CHAS. C. TILLMAN,
E. A. DUGGAN.