

No. 615,355.

Patented Dec. 6, 1898.

T. GREEN.

DETACHABLE LIFT OR HANDLE FOR BOXES, CASES, &c.

(Application filed Jan. 14, 1898.)

(No Model.)

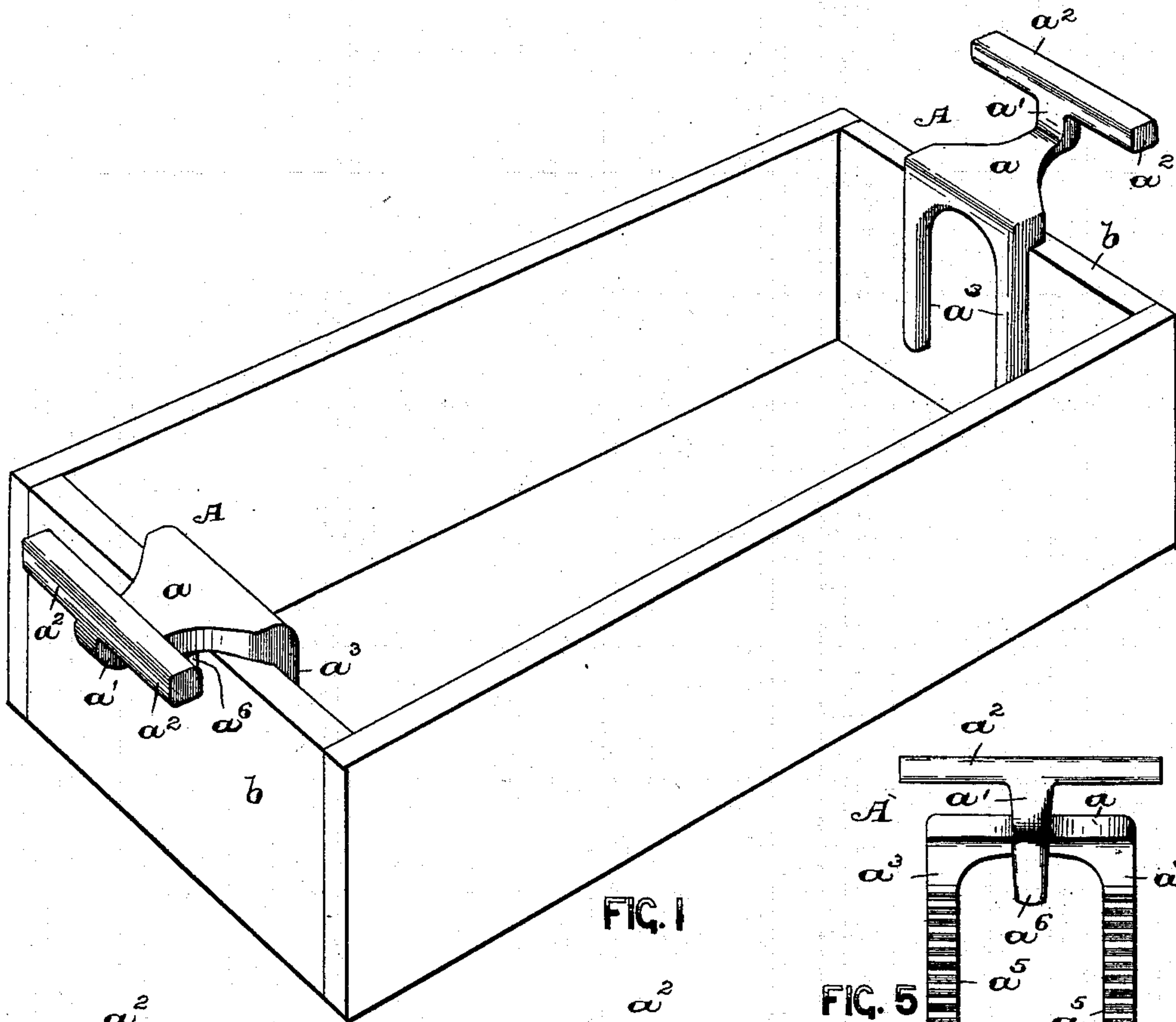


FIG. 1

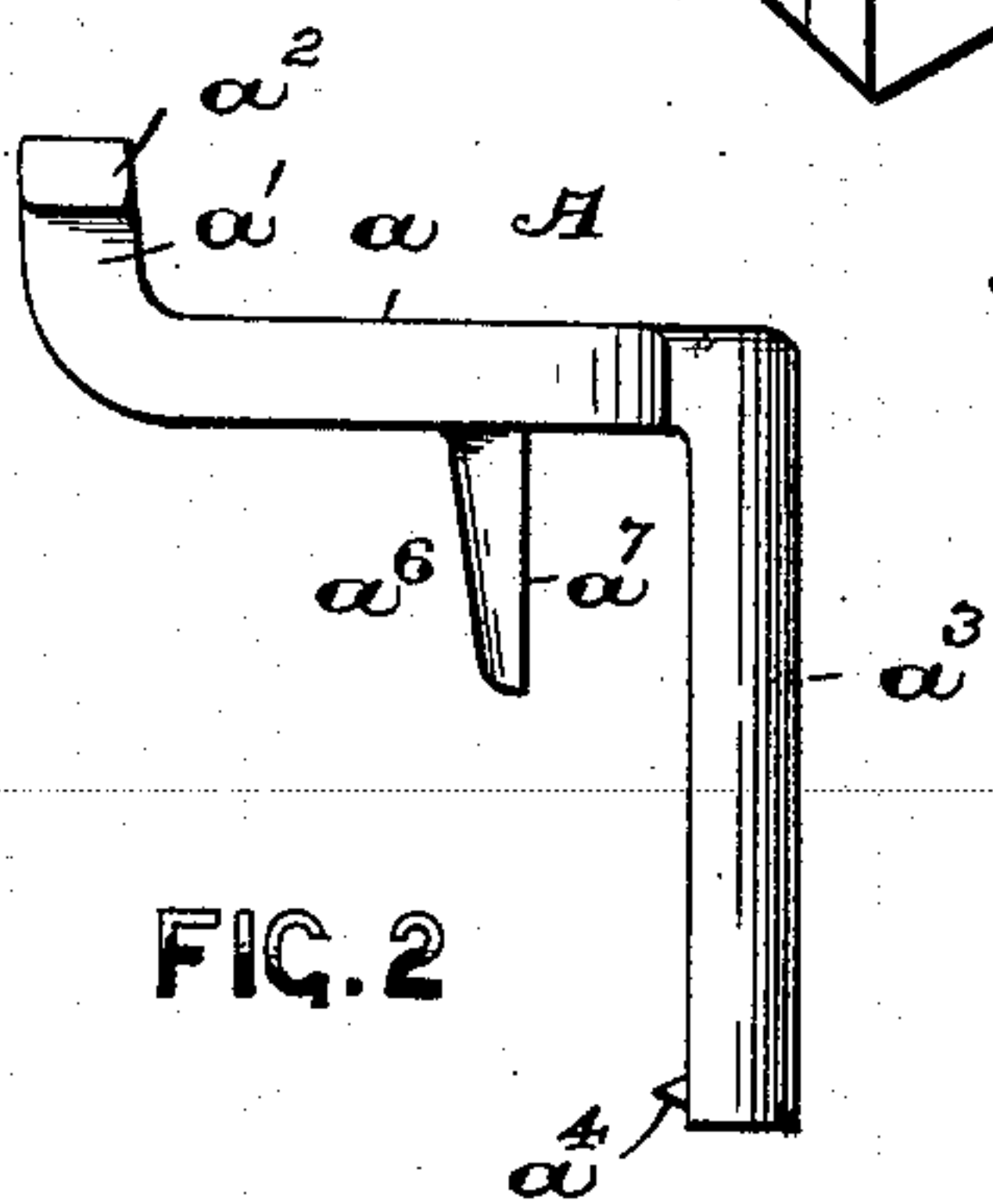


FIG. 2

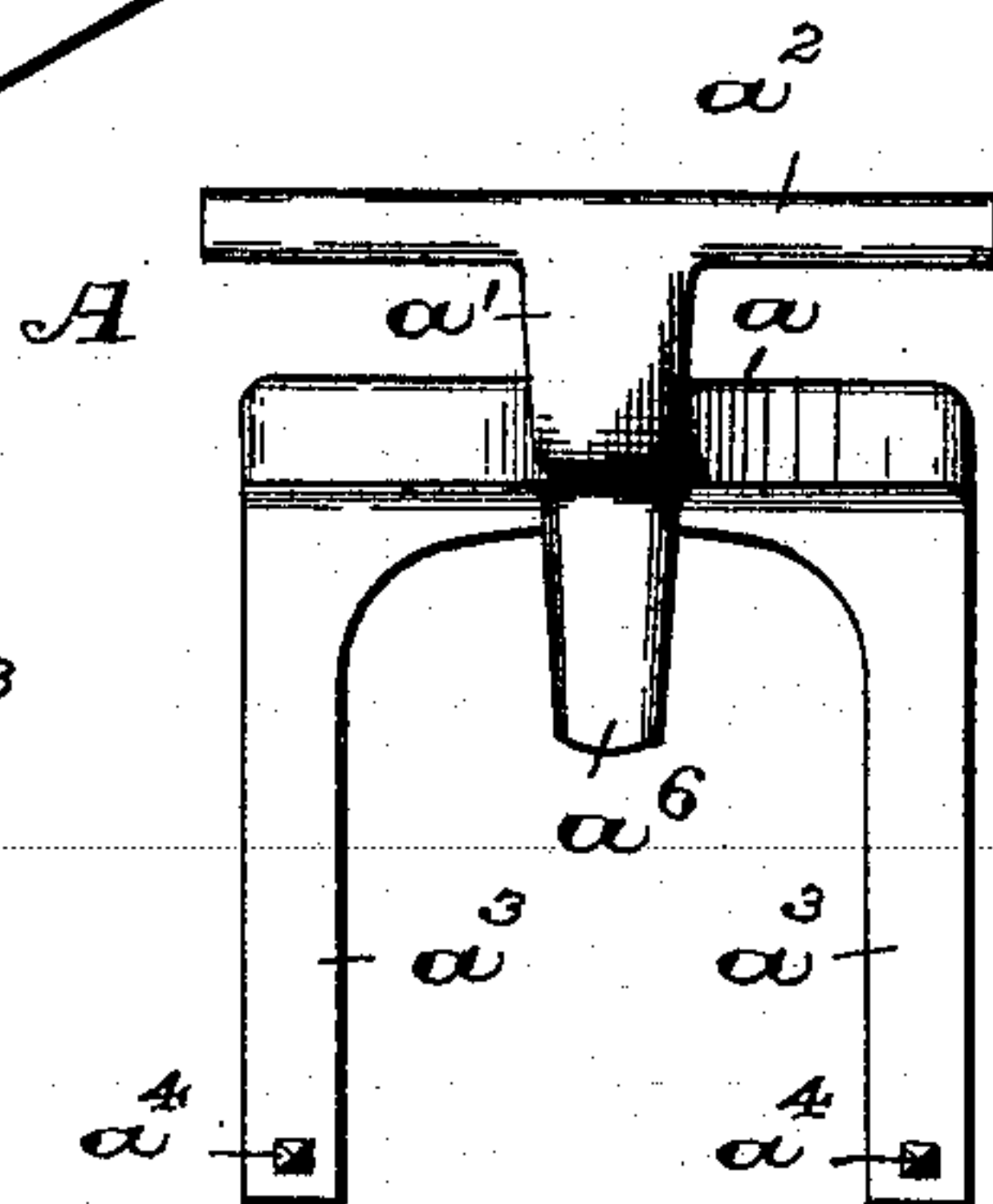


FIG. 3

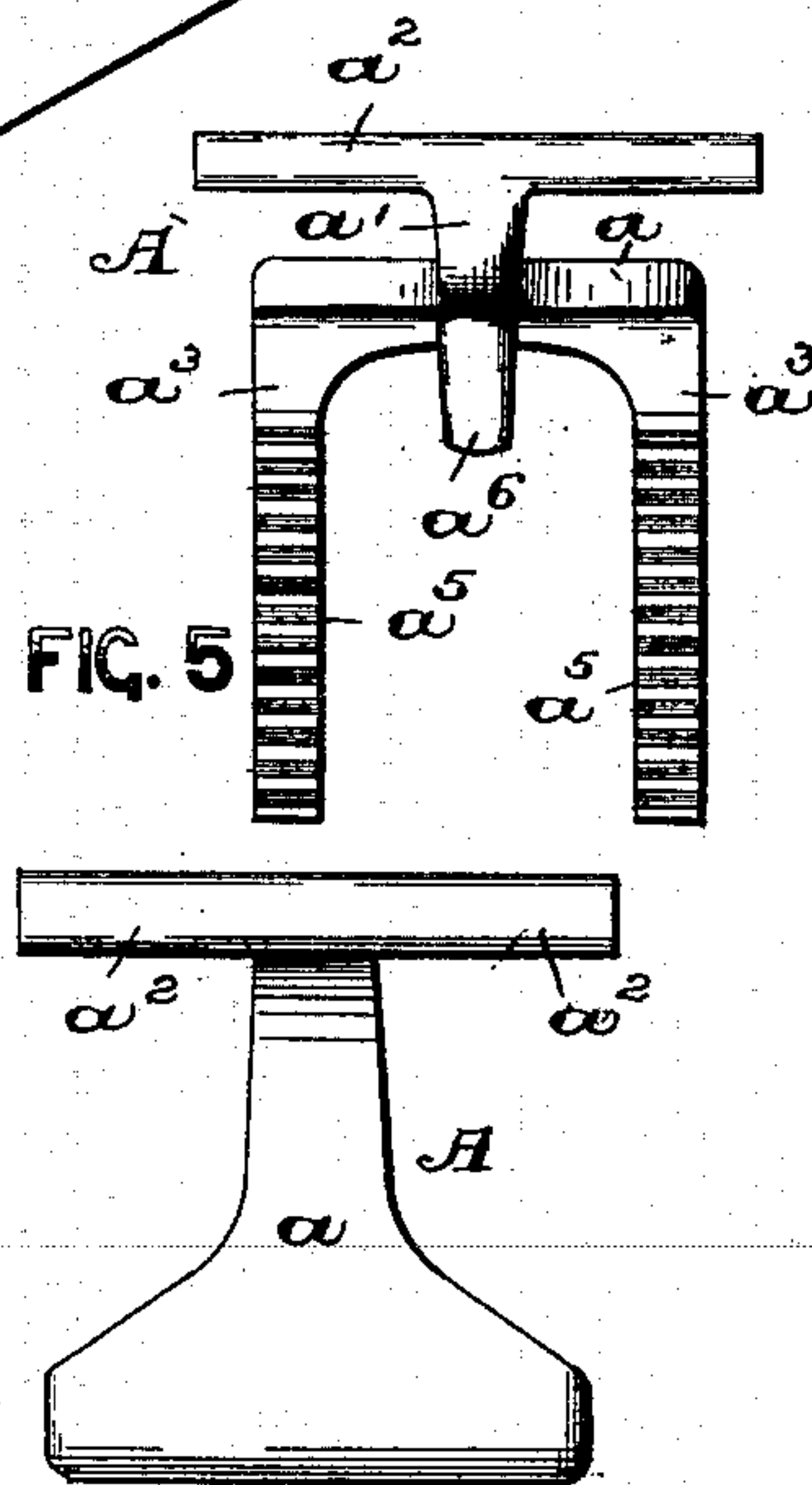


FIG. 4

WITNESSES:

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DETACHABLE LIFT OR HANDLE FOR BOXES, CASES, &c.

SPECIFICATION forming part of Letters Patent No. 615,355, dated December 6, 1898.

Application filed January 14, 1898. Serial No. 666,619. (No model.)

To all whom it may concern:

Be it known that I, THOMAS GREEN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Detachable Lifts or Handles for Boxes, Cases, &c.; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention has reference to a novel form of detachable lift or handle for boxes, cases, &c.; and the invention has for its object to provide a simple and inexpensive device of the character stated which can be readily applied in operative position to a box, case, &c., whereby the latter can be lifted and carried about from place to place and the lift or handle can be quickly removed or detached when the box, case, or other object has been carried to the place desired.

The invention therefore consists in the novel construction of detachable lift or handle for boxes, cases, barrels, &c., and such novel arrangements of the parts thereof, all of which will be fully described in the accompanying specification and finally embodied in the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a box, illustrating a pair of my novel form of detachable lifts or handles in their operative positions upon the box for carrying the same from place to place. Fig. 2 is a side view, Fig. 3 a front view, and Fig. 4 a top view, of the lift or handle embodying the principles of this invention. Fig. 5 is a front view of a lift or handle of a slightly-modified form of construction.

Similar letters of reference are employed in all of the above-described views to indicate corresponding parts.

Referring to the said drawings, A indicates the complete lift or handle, which comprises a main body portion a , having at one end an upwardly-projecting post a' , provided with a bar a^2 , extending across the top of said post

a' to form a suitable means for taking hold of the lift or handle. Extending downwardly from the under side of the main body a of the lift or handle, at a point at or near the edge directly opposite to the edge from which extends the upwardly-projecting post a' , are a pair of gripper arms or posts a^3 , each of which is provided at or near the bottom on that side which is to be brought against the board of the box with a sharp point, stud, or spur, as a^4 , adapted to embed itself in the wood for the purpose and in the manner to be hereinafter more fully explained. Said points, studs, or spurs a^4 may be formed integral with said arms or posts a^3 , or said points may be ordinary steel or other suitable pins, which are properly arranged and secured fast in holes for that purpose in the said arms or posts a^3 . In place of the points, studs, or spurs a^4 said arms or posts a^3 may be provided with roughened surfaces a^5 , as clearly indicated in Fig. 5; but the use of the points, studs, or spurs a^4 is preferred over the roughened surfaces a^5 . As will be seen from the several figures of the drawings, the main body a is also provided on its under side at any suitable point back of the arms or posts a^3 with a downwardly-projecting lug or post a^6 .

The handles or lifts A are applied to a box, case, barrel, &c., as illustrated in Fig. 1, the boards b of the box or the like being arranged between the arms or posts a^3 and said lug or post a^6 , so that the said arms or posts a^3 will be against the one side of the board b , and the lug or post a^6 is arranged against the other side of said board. As shown, the main body a and its post a' and lifting-bar a^2 will project beyond the box, and when the person takes hold of the lifting-bars a^2 of the lifts or handles A it will be evident that the main body a of each lift or handle A will act as a lever, causing the arms or posts a^3 to bear firmly against the inner surfaces of the boards b , while the points, studs, or spurs a^4 or the serrations a^5 thoroughly embed themselves in the wood. At the same time the tendency of the short lug or post a^6 is to cause its inner surface a^7 to bear against the outer surface of the board b , and it will be clearly evident that each lift or handle A will be perfectly operative for lifting and carrying about a box, case, or other similar object.

When it is desired to remove the lifts or handles A, a slight downward pressure upon the handle or lift portion of the post a' will cause the withdrawal of the gripping points, studs, or spurs a^4 or the serrations a^5 from the wood, and each lift or handle can be quickly removed.

In the construction of lift or handle herein shown I have provided the body a with two downwardly-extending arms or posts a^3 ; but of course it will be understood that I may use but one post a^3 or I may employ more than two such posts. It will also be evident that in place of one lug or post a^6 two or more may be used, and the handle or lift portion connected with the main body a may be differently arranged.

Having thus described my invention, what I claim is—

The herein-described detachable lift or handle A, comprising a main body a , an upwardly-extending post a' having a lifting-bar a^2 , extending on opposite sides at right angles to said post a' , a pair of downwardly-extending posts a^3 and a downwardly-extending lug or post a^6 , said posts a^3 and lug a^6 being arranged at right angles to said main body and approximately parallel with each other, and gripping points, studs or spurs on said posts a^3 adapted to become embedded in the wood, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this 8th day of January, 1898.

THOMAS GREEN.

Witnesses:

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WM. H. CAMFIELD, Jr.