

No. 662,119.

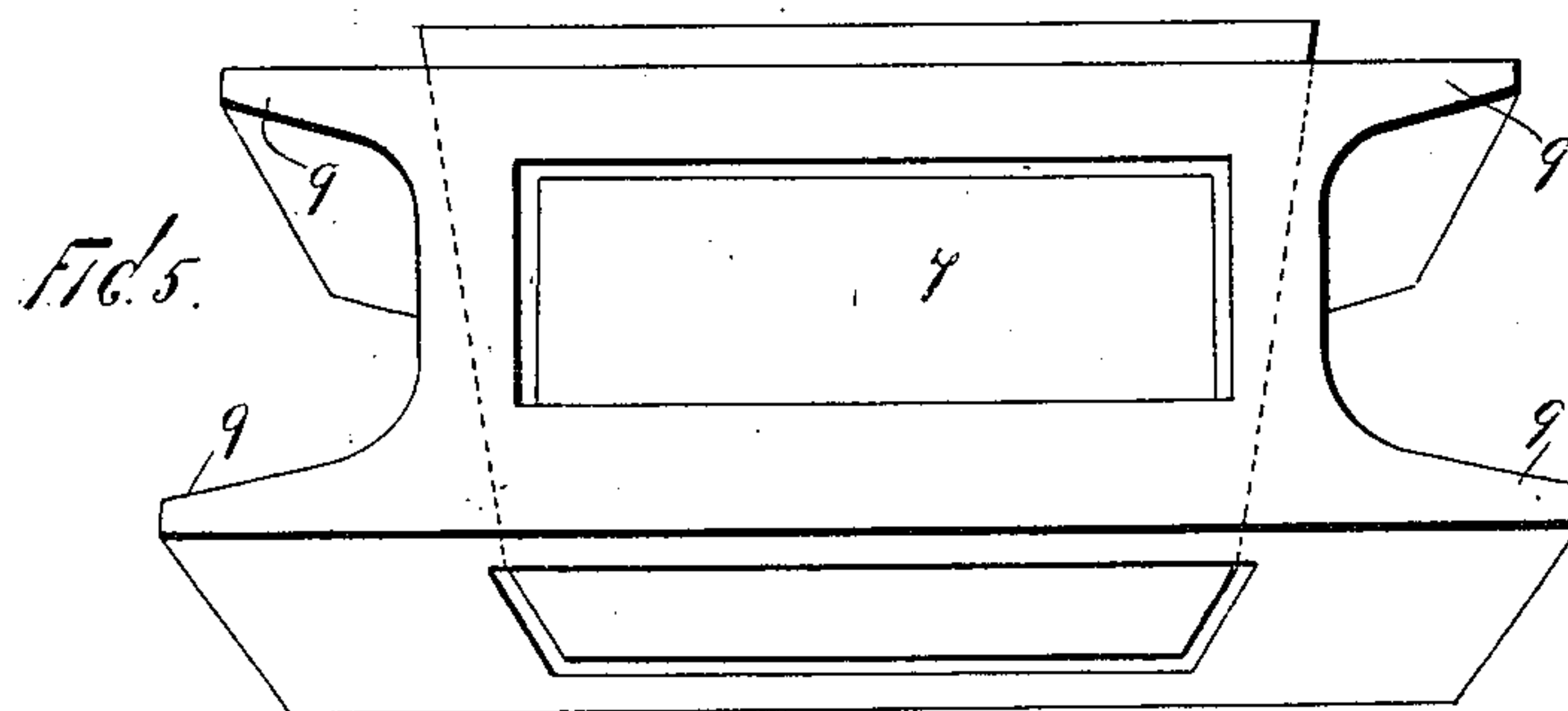
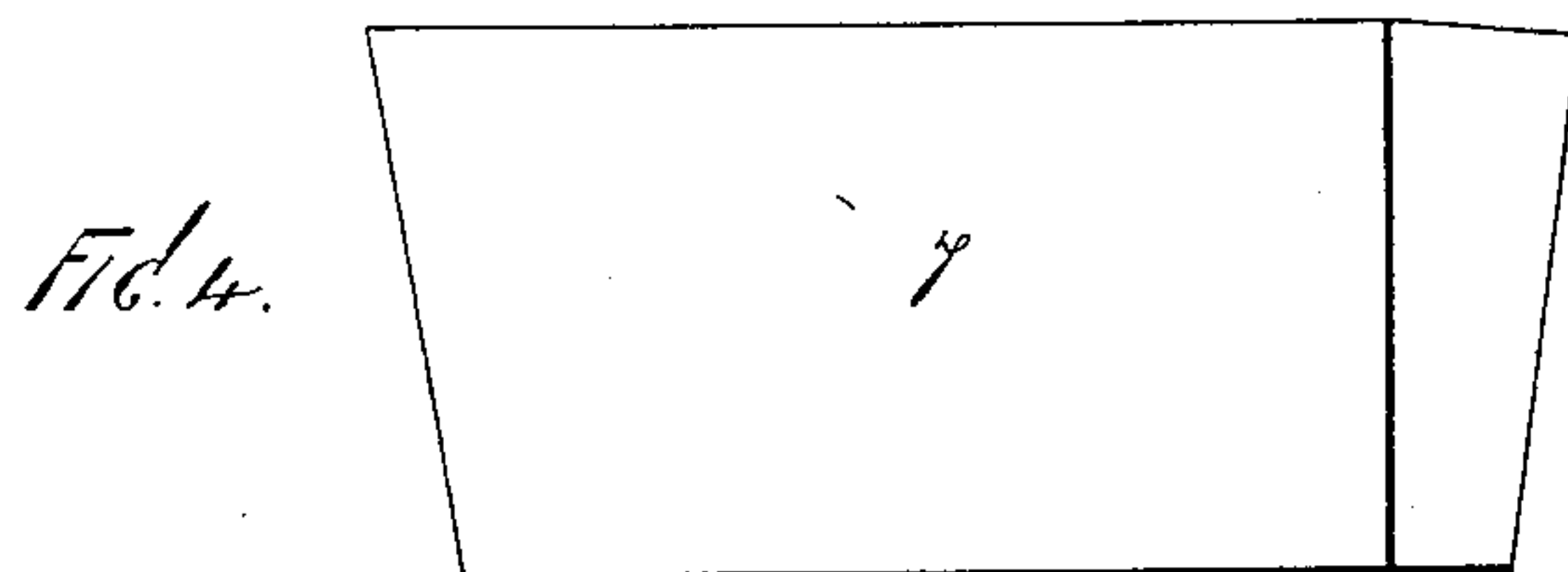
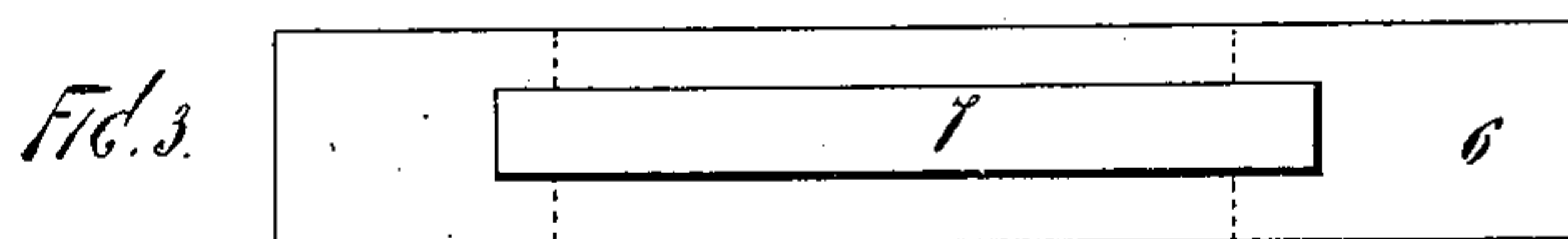
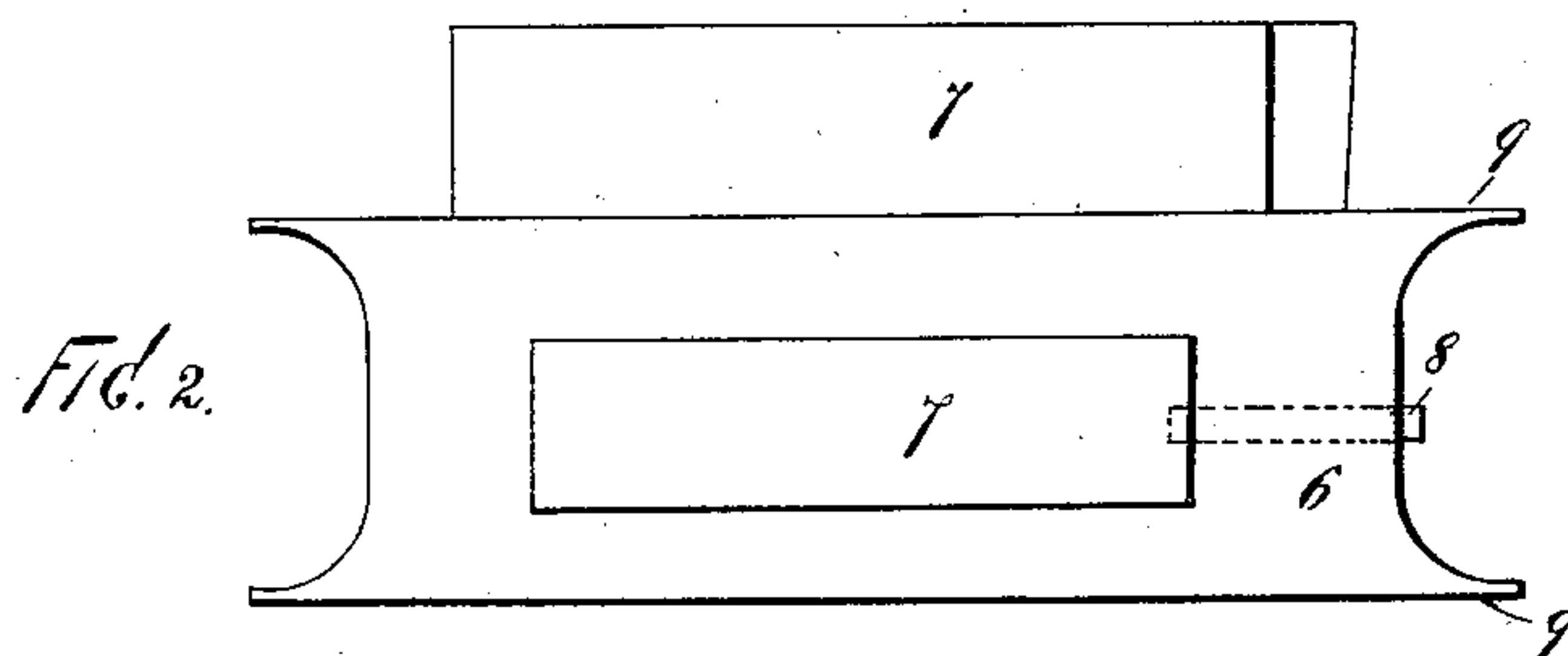
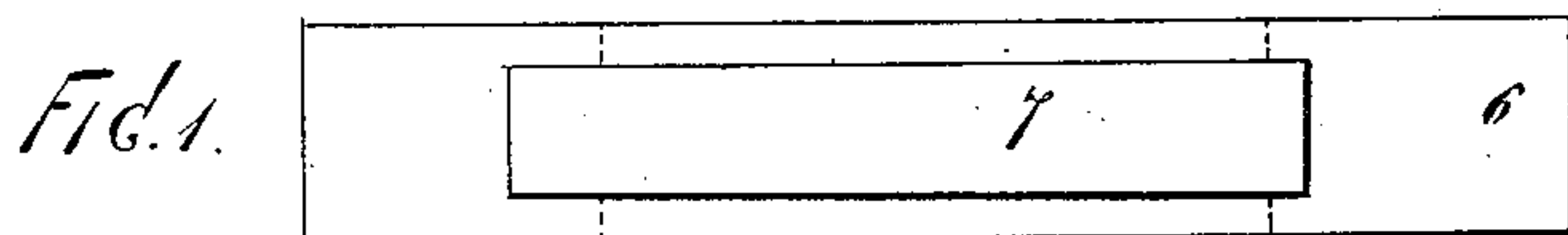
Patented Nov. 20, 1900.

G. E. A. HOLDSWORTH.

BRICK.

(Application filed Oct. 7, 1899.)

(No Model.)



WITNESSES

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UNITED STATES PATENT OFFICE.

GEORGE EDWARD ARTHUR HOLDSWORTH, OF HOVE, ENGLAND.

BRICK.

SPECIFICATION forming part of Letters Patent No. 662,119, dated November 20, 1900.

Application filed October 7, 1899. Serial No. 732,884. (No model.)

To all whom it may concern:

Be it known that I, GEORGE EDWARD ARTHUR HOLDSWORTH, a subject of the Queen of Great Britain, and residing at No. 47 Denmark Villa, Hove, in the county of Sussex, England, have invented certain new and useful Improvements in Bricks, of which the following is a full and complete specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to building-bricks; and the object thereof is to provide a device of this class of increased strength and with which the timbers, joists, and other parts of building construction may be readily connected.

My invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which like reference characters denote like parts in the several views, and in which—

Figure 1 is a plan view of a building-brick constructed according to my invention; Fig. 2, a perspective side view thereof with the parts slightly moved from the final composite position; Fig. 3, a top view thereof; Fig. 4, a perspective view of one part of my invention, and Fig. 5 a perspective side view of my improved building-brick with the parts in complete composite position.

Referring more particularly to the drawings, I have shown at 6 a frame, which is preferably composed of cast or wrought iron or other approximately impenetrable substance and which is open at the sides, bottom, and top and provided with an interior wedge-shaped chamber, as shown by dotted lines in Fig. 5.

Into the frame 6, through the top thereof, I pass a core 7, of wood or other suitable easily-penetrable material, which is of wedge-shaped form, as shown in Fig. 4, to correspond with the chamber formed interiorly of the frame 6. Fig. 2 shows the plug 7 partially inserted within the frame 6 and Fig. 5 shows it fully inserted. Any suitable means may

be employed to secure the plug 7 within the frame 6—as, for instance, a pin or plug 8, which may be passed through the frame 6 and into the plug 7, as shown in Fig. 2. The frame 6 is provided with a plurality of flanges 9, of any desired construction, or the flanges 9 may be omitted, if desirable, and the frame 6 and core may be of any desired form, my invention consisting in the impenetrable and durable open-work frame provided with a penetrable core. It is evident that the plug 7 will readily receive nails, screws, spikes, and other fastening devices used in building construction, and to said cores the joists and beams of a building may be readily secured, the ends thereof resting within the openings in the frame 9 and securely nailed to the plug 7.

My improved building-brick is of extreme durability and strength, and the utility thereof is greatly in excess of present forms of brick formed of clay and other substances which will not readily receive nails and other fastening devices.

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

A device of the class described, comprising a frame composed of iron or other approximately impenetrable substance, said frame being open at its sides, top and bottom, and having an interior wedge-shaped chamber, and a core of wood or other penetrable substance which is wedge-shaped in form and which is passed into said chamber, said frame embodying projecting flanges, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 25th day of September, 1899.

GEORGE EDWARD ARTHUR HOLDSWORTH.

Witnesses:

WILSON STUCKEY,
ALBERT BURGESS.