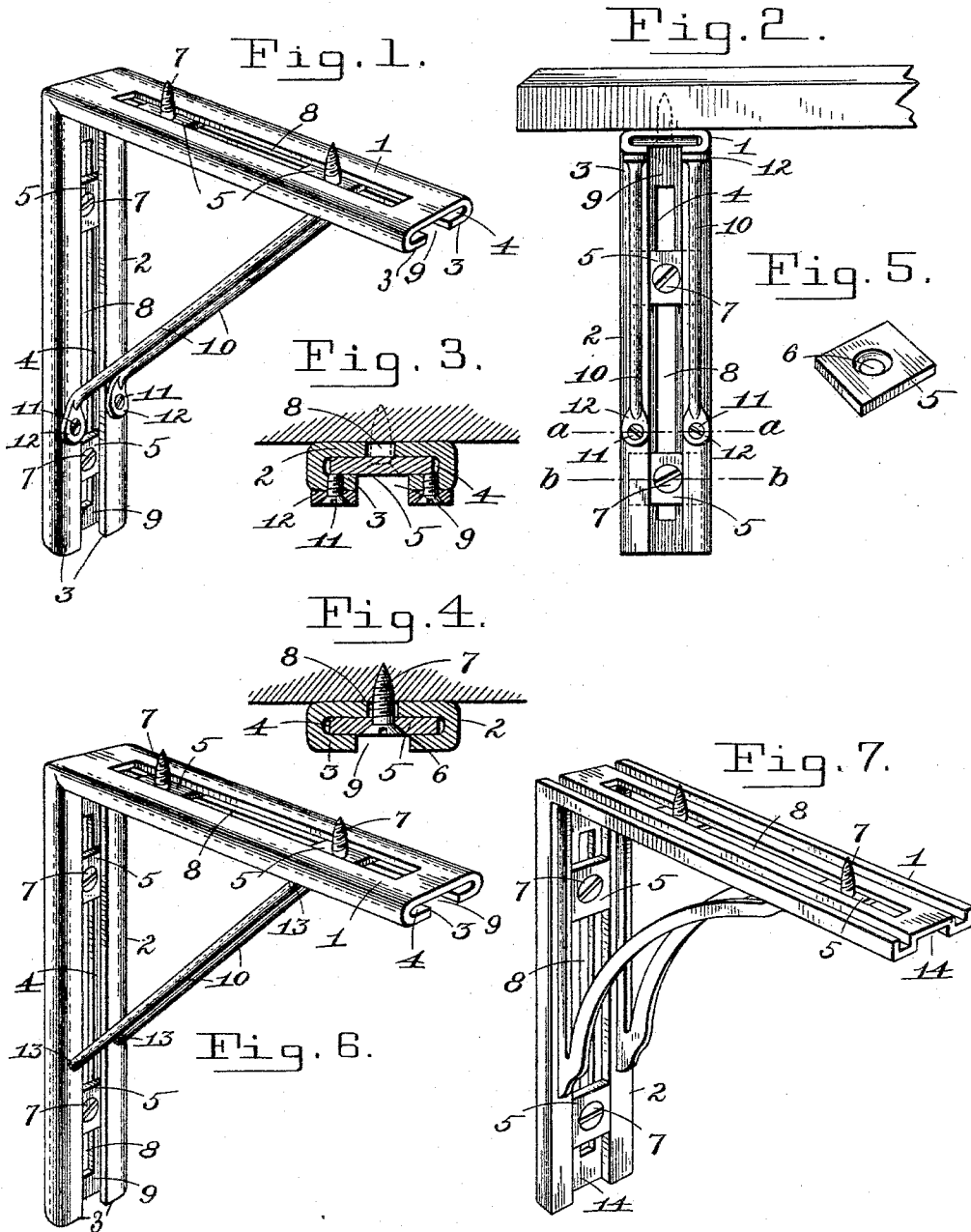


(No Model.)

G. W. MAYTHAM.
SHELF BRACKET.

No. 584,093.

Patented June 8, 1897.



Witnesses: George W. Maytham Inventor
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UNITED STATES PATENT OFFICE.

GEORGE W. MAYTHAM, OF BUFFALO, NEW YORK.

SHELF-BRACKET.

SPECIFICATION forming part of Letters Patent No. 584,093, dated June 8, 1897.

Application filed August 31, 1896. Serial No. 604,359. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. MAYTHAM, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Shelf-Brackets, of which the following is a specification.

My invention relates to shelf-brackets designed more especially for plastered walls, the brackets being provided with movable or sliding portions having screw-holes, whereby the screws may be passed into the solid portions of the wall.

The object of my invention is to provide a simple, inexpensive, and durable shelf-bracket which can be conveniently secured to the wall and by which it is possible to shift the screw-holes to a position in which the screws will pass into a lath, timber, or any other solid matter, thereby avoiding the interstices between the laths or timbers and securely fastening the bracket to the wall; also, in certain details of construction, as will hereinafter be described, and pointed out in the claims.

While my invention is shown in connection with a bracket, I do not wish to be understood as restricting myself to that particular article.

In the accompanying drawings, Figure 1 is a perspective view of my improved bracket preferably formed out of sheet metal. Fig. 2 is a front elevation of the same secured to a portion of a shelf. Fig. 3 is a cross-section of one of the arms or members on line *a a*, Fig. 2, showing the manner of securing the diagonal braces thereto. Fig. 4 is a cross-section of one of the arms or members on line *b b*, Fig. 2, showing the manner of securing the bracket to the wall. Fig. 5 is a perspective view of the sliding or movable portion of the bracket, which is provided with a screw-hole. Fig. 6 is a perspective view of a modified form, showing a different brace connection. Fig. 7 is a perspective view of a further modified form, showing my invention as applied to a cast-iron bracket.

Like numerals of reference refer to like parts in the several figures.

As shown in Figs. 1 to 5, the main portion of the bracket, consisting of two arms or members 1 2, is formed from one piece of sheet metal, the edges thereof being bent upon

themselves, as at 3, to form guideways 4, in which the movable or adjustable portions 5 are guided. These adjustable portions are adapted to fit loosely in the guideways, so as to be easily raised or lowered to the desired place on the arms.

6 represents screw-holes, which are formed in the movable or adjustable portions 5 and through which the screws 7 are adapted to pass.

8 are slots which are formed in the arms or members 1 2 in rear of the guideways, said slots being of a width slightly larger than the body of the screws. By this construction the screws are readily passed through the slots, and, in connection with the movable or adjustable portions 5, can be raised or lowered to any desired position.

9 represents a passage which extends from the end of one arm or member to the end of the other arm, said passage being of a sufficient width to allow the heads of the screws to pass through and to allow the screw-driver to be easily operated therein. The outer ends of the arms 1 2 are open, so as to allow the movable or adjustable portions 5 to be inserted in the guideways.

10 represents the diagonal braces, the ends of which are secured to the arms 1 2 by means of screws 11. Said screws are adapted to pass through the flattened portions 12 of the braces and into the arms, the inner ends of the screws being flush with the guideways, as shown in Fig. 3, thereby avoiding obstruction to the movable portions 5.

The manner of securing the bracket to the wall is as follows: The movable or adjustable portions 5 are inserted into the guideways 4 and held at any desired point of the bracket. The screws are then passed through the passage 9, the movable portion 5, and the slot 8, and into the wall. If it is found that the screws have not passed into some solid portion of the wall, the movable or adjustable portion 5 is either raised or lowered slightly and then secured to the wall. This insures a secure fastening for the bracket.

In Fig. 6 the brace is provided at each end with a screw-thread 13, the thread on one end being a right-hand thread, while the thread at the other end is a left-hand thread. With this construction it is simply necessary to

screw one end into either arm of the bracket a certain distance and then screw the other end into the other arm of the bracket about one-half the distance.

5 In Fig. 7 is shown a bracket which is cast. The outer face of this bracket shows a central depressed portion 14, in which the movable or adjustable portions 5 are guided, the braces being shown cast in one piece with the
10 arms 1 2 of the bracket.

I claim as my invention—

1. A bracket having two arms connected by braces, each provided with guideways, and slots in rear of said guideways, in combination
15 with adjustable portions adapted to slide in said guideways, said adjustable portions being provided with screw-holes, and screws which are adapted to pass through the slots in the arms of the bracket, substantially as
20 set forth.

2. A bracket having two arms or members, each provided with a slot, and guideways formed by bending the outer edges of the members or arms upon themselves, in combination
25 with movable or adjustable portions provided with screw-holes and adapted to slide in said guideways, substantially as set forth.

3. A bracket having two arms, each provided with a slot and guideways, said guideways being formed by bending the edges of
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the arms upon themselves, of braces extending diagonally between said arms, and secured thereto by screws, movable or adjustable portions, provided with screw-holes, and adapted to move in said guideways, and screws
35 passing through said holes and slots in the arms, and into the wall or other object, substantially as set forth.

4. A bracket, the arms or members of which are provided with guideways and slots in rear
40 of said guideways, and movable or adjustable portions adapted to slide in said guideways, said movable or adjustable portions being provided with means for fastening which pass
45 through the slots in the arms and into the wall at any desired point, substantially as set forth.

5. A bracket having two arms, each provided with a slot and guideways, said guideways being formed by bending the edges of
50 the arms upon themselves, braces extending between said arms, and movable or adjustable portions adapted to move in said guideways, said movable portions being provided
55 with means for fastening the bracket to the wall or shelf, substantially as set forth.

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