

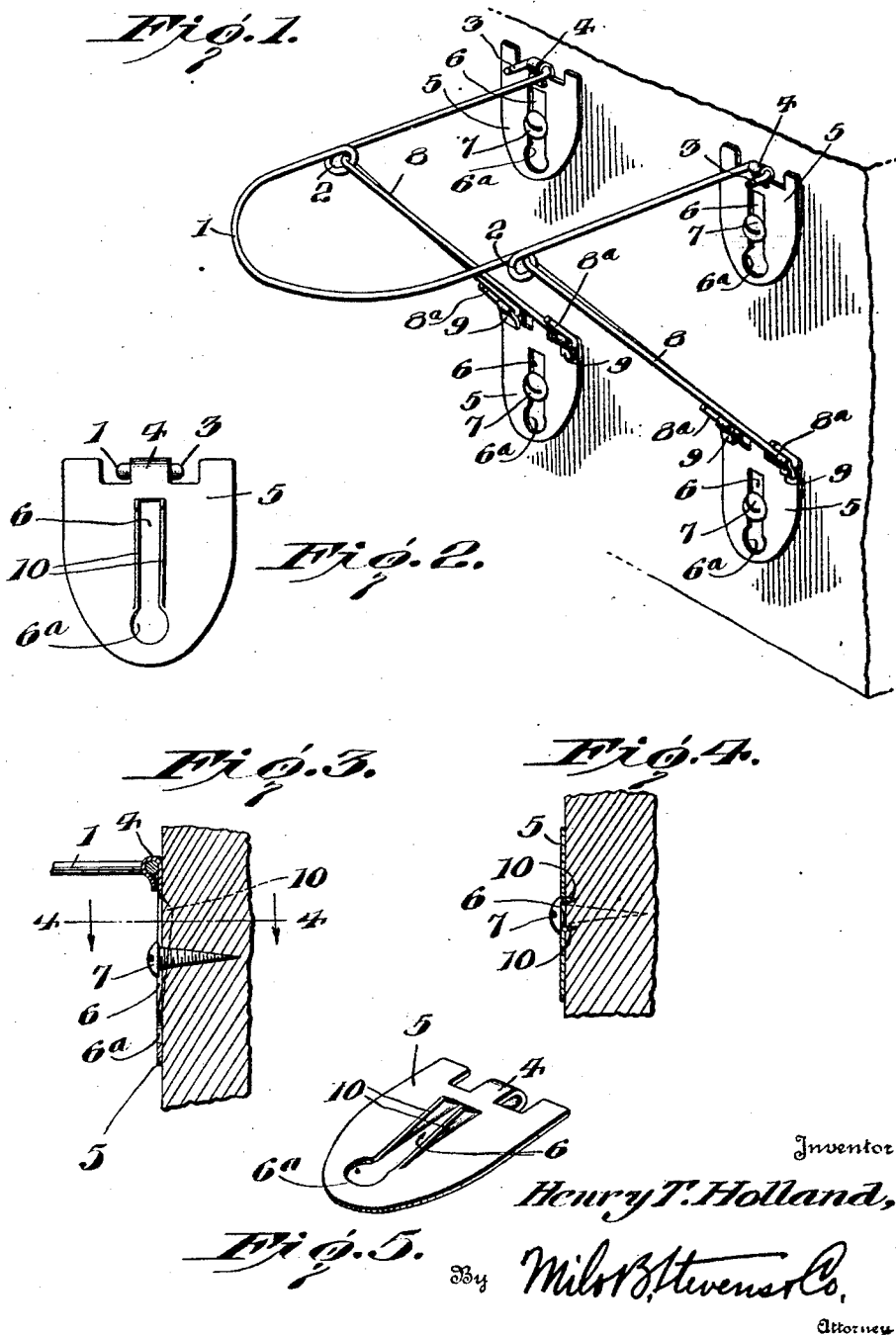
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UNITED STATES PATENT OFFICE.

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BRACKET.

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To all whom it may concern:

Be it known that I, HENRY T. HOLLAND, a citizen of the United States, residing at Winfield, in the county of Queens and State of New York, have invented new and useful Improvements in Brackets, of which the following is a specification.

My invention relates generally to brackets and has for its primary object the provision of a bracket embodying certain novel features of construction whereby it may be readily applied or detached to a wall or other supporting structure and firmly held in place thereon.

Another object of the invention is to provide a novel and improved supporting plate having wall engaging wedge portions whereby the bracket may be rigidly attached to its support.

The invention also contemplates a removable bracket of this character which will be very simple in construction, highly efficient in use, and which may be inexpensively manufactured and sold.

The various features of novelty which characterize my invention are pointed out with particularity in the claims annexed to and forming a part of this specification. For a better understanding of the invention, however, and of the advantages possessed by it, reference should be had to the accompanying drawing and description in which I have illustrated and described what I now regard as the preferred embodiment of my invention.

In the drawing,

Figure 1 is a perspective view showing my improved bracket in place on a wall or support;

Fig. 2 is a rear elevation of one of the bracket supporting plates;

Fig. 3 is a detail view of the supporting plate, the same with its support being shown in longitudinal section;

Fig. 4 is a section on the line 4—4 of Fig. 3, and

Fig. 5 is a perspective view of one of the supporting plates inverted.

Referring specifically to the drawing, wherein like reference characters have been used to designate similar parts in all views, numeral 5 denotes one of the support engaging plates of which there are a plurality as shown in Fig. 1. Each of these plates is provided with a closed longitudinal slot 6 having an enlargement 6^a at one end thereof

for the reception of a screw 7, it being understood that the screw 7 will be inserted into the support after which the plate 5 will be engaged thereon, the head of the screw being inserted through the slot enlargement 6^a and slid upwardly from the slot.

Numeral 1 denotes the supporting portion which in the illustrated embodiment of the invention comprises a piece of U-shaped wire having opposed eyelets 2 in either side, the ends of the wire being bent laterally and rearwardly as shown at 3, the intermediate portion being adapted to receive tongues 4 of the plates 5 for pivotally attaching the supporting member 1 thereto.

The shelf supporting member 1 is placed and held in horizontal position by means of supporting members 8 of substantially V-shaped formation, the ends of which are bent as shown at 8^a to provide a bearing for engagement of tongues 9 which are carried integrally by the plate members 5. It will be noted that the plate members last referred to are provided with two tongues 9, one for engagement with each end of the V-shaped support 8.

From the foregoing description read in connection with the accompanying drawing, it will be readily seen that a very simple and efficient bracket will be provided which may be readily attached to a wall or other support merely by engaging four screws therein. However, the structure so far recited is rather unsatisfactory in that the shelf will be more or less loosely attached to the wall and frequent tightening of the screws will be necessary to maintain the stability of the bracket. In order to overcome this objection, I have provided each of the plates 5 with prongs of wedge-shaped design decreasing in depth in the direction of the enlargement 6^a. These prongs are formed at the inner edges of the slots 6 and may be readily stamped out when the plate is formed, such flanges being denoted by the numeral 10.

The utility of this flanged construction will be readily appreciated and it will be evident that their formation and location is such that when the bracket is placed upon four screws 7 carried by a support and weight is put upon the bracket the downward movement of the plates 5 induced by the weight of the member upon the bracket will tend to wedge the prongs 10 into the support and stabilize the structure in addi-

tion to rendering unnecessary the employment of more than one screw 7. Any loosening of the screws will be compensated by the further downward and wedging action
5 of the plates.

While the wedge construction of the plates has been illustrated in connection with a particular bracket construction, yet it will be understood that the same may be em-
10 ployed with various forms of brackets. The invention has been illustrated in concrete form in accordance with the patent statutes, but since various changes and modifications thereof will immediately suggest themselves
15 to those skilled in the art without departing from the spirit of my invention, I reserve the right to make such changes as fairly fall within the scope of the invention as claimed hereinafter.

20 What I claim as new and desire to secure by Letters Patent is:

1. A supporting member for brackets and the like having an elongated recess therein adapted to receive a headed wall or other
25 support carried stud, and wall engaging means projecting laterally from the wall engaging face of said plate in parallelism with said recess and said means decreasing in depth toward one of its ends.

30 2. A supporting member for brackets and the like having an elongated recess therein adapted to receive a headed wall or other support carried stud, and wall engaging
35 flanges on opposite sides of said recess projecting laterally from the wall engaging

face of said plate in parallelism with said recess and said flanges decreasing in depth toward one of their ends.

3. The combination with a supporting member for brackets and the like and means
40 for removably mounting the same on a wall or other support; of a cam-like means associated with said member and engageable with the wall for retaining said member in a desired position.

4. The combination with a supporting member for brackets and the like and means
45 for removably mounting the same on a wall or other support; of means projecting from the wall engaging face of said member in the direction of its sliding movement and increasing in depth toward one end for
50 engaging the wall when the member is moved in the opposite direction to limit such movement and prevent pivotal movement of
55 said member.

5. The combination with a supporting member for brackets and the like and means
60 for removably mounting the same on a wall or other support; of a flange projecting from the wall engaging face of said member in the direction of its movement for mounting
65 on the wall and increasing in depth toward one end for engaging the wall when the member is moved in the opposite direction to limit such movement and in addition acting with said mounting means to firmly retain said member in place.

In testimony whereof I affix my signature.

HENRY TUFFTS HOLLAND.