May 10, 1949. A. E. NELSON 2,469,981

PIVOTAL BRACKET

Filed June 23, 1945

Fig. 1.

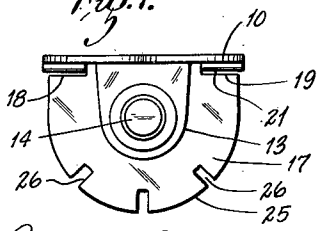


Fig. 2.

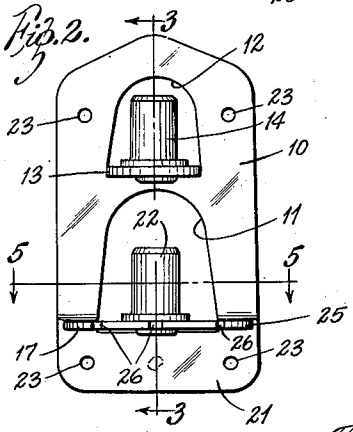


Fig. 3.

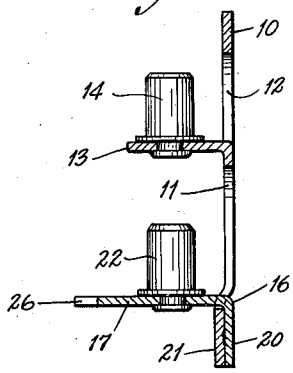


Fig. 4.

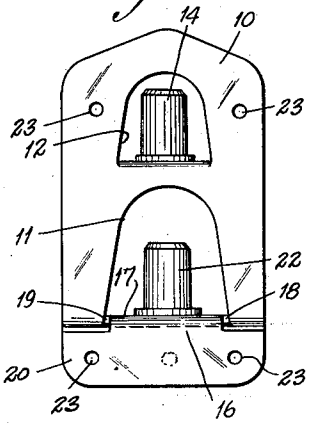


Fig. 5.

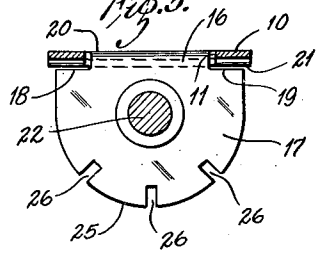
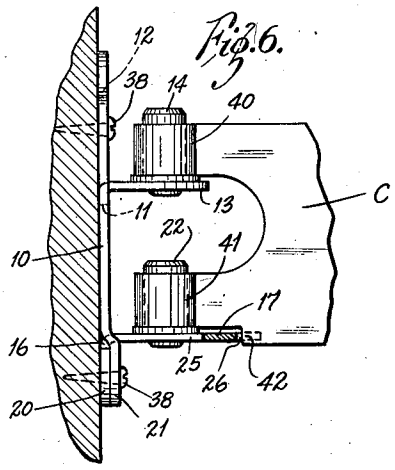


Fig. 6.



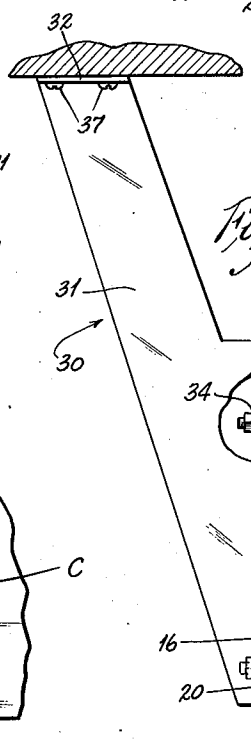
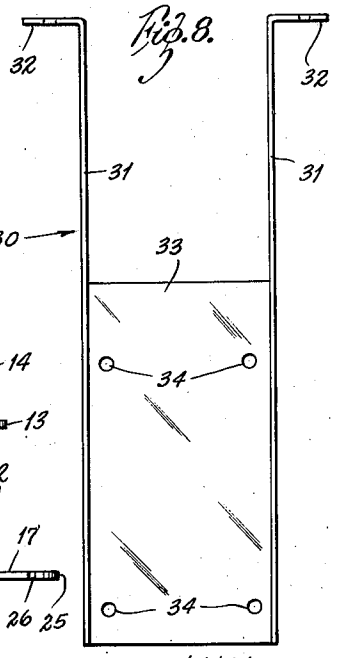


Fig. 7.

Fig. 8.



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PIVOTAL BRACKET

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6 Claims. (Cl. 248—282)

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The present invention relates to a pivotal bracket. More particularly, it relates to a bracket adapted for use in connection with kitchen tools, such as can openers and the like.

It is an object of the invention to provide a bracket that is of simple construction, yet rugged and durable. It is a particular object to provide a bracket made of two pieces only, but providing two posts, about which pivotal action can take place. It is a further object of the invention to provide a bracket having a connector adapted for use with a horizontal, downwardly facing surface.

It is a further object of the invention to provide a bracket of this kind having means to lock the bracketed device in a plurality of positions.

In the drawings:

Fig. 1 is a plan view of the main bracket;

Fig. 2 is a front elevation thereof;

Fig. 3 is a vertical section, taken on the line 3—3 of Fig. 2;

Fig. 4 is a back elevation thereof;

Fig. 5 is a horizontal section taken on the line 5—5 of Fig. 2;

Fig. 6 is a side elevation showing the manner in which the bracket is attached to a vertical wall;

Fig. 7 is a side elevation of the entire bracket arranged to be attached to a horizontal wall; and

Fig. 8 is a front elevation of the bracket of Fig. 7.

The bracket comprises a main bracket member formed of a bracket element, a shelf element, and two pins, together with a secondary bracket member.

The main bracket element is shown at 10, and consists of a plate of metal forming a bracket element. The latter has a lower opening 11 cut from the plate 10 in a stamping operation. At the same time, an upper opening 12 is formed, the material struck therefrom being bent outwardly to form an upper shelf 13. This shelf has a pivot pin 14 fixed thereto.

The lower opening 11 is adapted to receive a projecting shelf element 16, having a lower shelf part 17 below the upper shelf 13. This shelf 17 has notches 18 and 19 cut out adjacent its rear edge, so that it may be inserted into the opening 11 and rest along the lower edge thereof. Back of the two notches, the shelf member 16 is downturned at 20 alongside the lower edge 21 of the opening 11 in the main bracket member 10. This lower edge is offset, so that the back of the downturned portion 20 of the shelf member 16 lies flush with the back of the main bracket member. The two elements are duly secured together as by spot-

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welding or the like. While the bracket might be made of one piece, the two-piece construction gives added strength, and provides a larger lower shelf more adapted to the notch arrangement to be described.

A pivot post or pin 22 is located on the shelf 17 in axial alignment with the upper pivot pin 14. It will be observed that a space is provided between the top of the pin 22 and the bottom of the shelf 13 so that a device to be pivoted on the lower pin may be inserted thereover.

The bracket is adapted to be secured to a supporting means by screws, there being four holes 23 therethrough for this purpose.

The shelf 17 has a more or less semi-circular front edge 25 provided with a plurality of notches 26, spaced angularly therearound.

The foregoing main bracket 10 may be attached to a depending supporting device in the form of a secondary bracket, generally indicated at 30, and comprising two downwardly and forwardly extending side arms 31 with flanges 32 at their upper ends. They are joined by a plate 33 provided with four holes 34 adapted to be aligned with the four holes 23 on the main bracket. Bolts 36 may pass through these aligned openings to secure the parts together. Also, screws 37 may be passed through the flanges 32 to support the supporting bracket on the bottom of a horizontal surface, such as a cabinet or the like.

Where desired, the main bracket part 10 may be attached to a wall, or the like, by the use of screws 38 that pass through the holes 23 for the purpose.

The bracket device is adapted to support some such element as a can opener having a frame member C. The frame will be provided with two vertically spaced eyes 40 and 41 projecting from the rear edge thereof. These latter may be applied over the two pins 14 and 22 in the obvious manner, upon which they may pivot. The frame C has a depending edge 42 that is adapted to fit within one of the notches 26 when the frame is in its lowermost position on the two pins. This edge part thereby holds the frame C against pivoting on the pins. However, when the frame is raised somewhat, it may be swung about the pins and then lowered to insert the edge 42 into one of the other notches 26, thereby holding the device in any desired angular position relative to the wall upon which it is mounted.

It will be observed that the secondary supporting bracket 30 extends downwardly and forwardly. By this means, when the said secondary bracket is supported on the under surface of a

cabinet, or the like, the actual device supported upon the pins will be disposed toward the front of the cabinet so as to be conveniently accessible.

It will be seen that this bracket is strong in construction and yet made of very few parts. It is easy to fabricate from stampings, and its few parts may be very easily assembled.

What is claimed is:

1. In a bracket, a plate member, an upper shelf formed integrally with the plate member and extending outwardly therefrom, a pivot means on the shelf, a lower opening in the plate member, a lower shelf disposed through the lower opening, said lower shelf projecting outward from the plate member and being of greater width than the plate member, a second pivot means on the lower shelf aligned with the first pivot means, said lower shelf having a projection behind the plate member and united thereto, said lower shelf member having an edge providing locking means angularly spaced thereabout and substantially concentric with the pivot means.

2. In a bracket, a plate member, an upper shelf formed integrally with the plate member and extending outwardly therefrom, a pivot means on the shelf, a lower opening in the plate member, a lower shelf disposed through the lower opening, said lower shelf projecting outward from the plate member, a second pivot means on the lower shelf aligned with the first pivot means, said lower shelf having a projection behind the plate member and united thereto, and an extension attached to the plate and extending upwardly and backwardly therefrom, its upper part being adapted for attachment with a horizontal under surface.

3. A bracket comprising a main supporting portion having means to receive and pivotally support a tool or the like, said main supporting portion being adapted for vertical disposition, upwardly and backwardly extending arm means attached to the main supporting portion, and attaching means at the top of the arm means for engagement with a horizontal under surface.

4. A bracket comprising a main bracket portion adapted for vertical disposition, and being in the form of a plate, an upper opening in the plate, the material from said opening projecting outwardly from the lower edge of the opening to form a horizontal shelf, a pivot pin projecting upwardly from the shelf, a lower opening in the main bracket portion below the upper opening, said lower opening having a horizontal lower edge, a right-angular member having a shelf part adapted to project through the lower opening and rest on the lower edge thereof, said shelf part being notched to extend laterally beyond the walls of the opening, the angular member having also a depending part behind the main bracket portion, and attached thereto, said main bracket portion being offset adjacent the depending part of the angular member so that the composite bracket provides a flush back surface.

5. A bracket comprising a plate member, an upper shelf extending outwardly therefrom and secured thereto, pivot means on said shelf, an opening in said plate member below said upper shelf, said opening having a lower edge, a substantially right-angular member supported on said lower edge and having a portion extending forwardly from said plate member and forming a lower shelf, and pivot means on said lower shelf, said plate member having its portion below said lower edge offset forwardly a predetermined amount, said right-angular member including a portion contiguous to said offset portion of said plate member and secured thereto, so that said last-named portion of said right-angular member and the portion of said plate member above said lower edge of said lower opening provide a flush back surface for attaching purposes.

6. A bracket comprising a main supporting portion having means to receive and to support a tool or the like, said main supporting portion being adapted for vertical disposition, upwardly and rearwardly extending arms, a plate extending between and secured to said arms, and means securing said main supporting portion to said plate, said arms including means at the free ends for attachment to an underside horizontal surface.

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