Dec. 26, 1939.

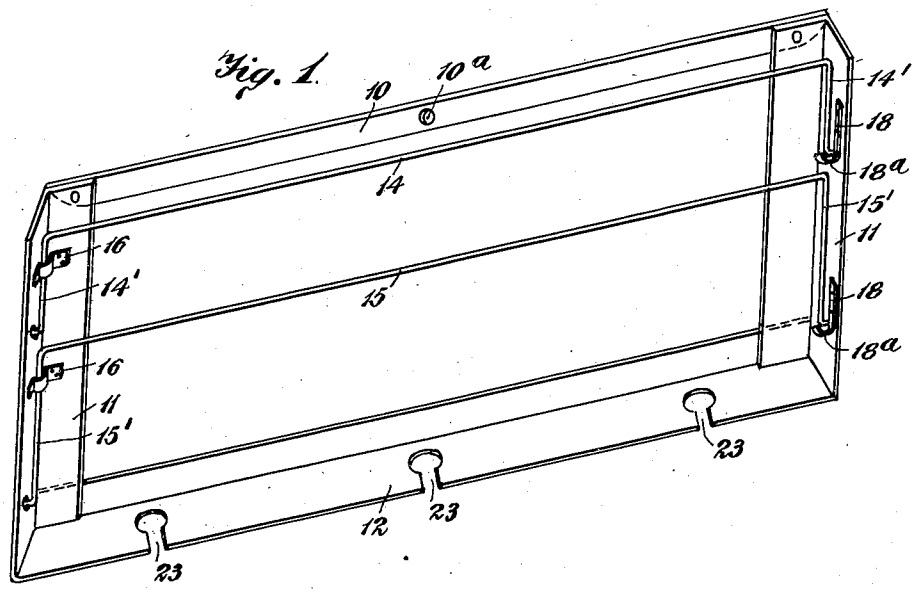
N. M. TWOMEY

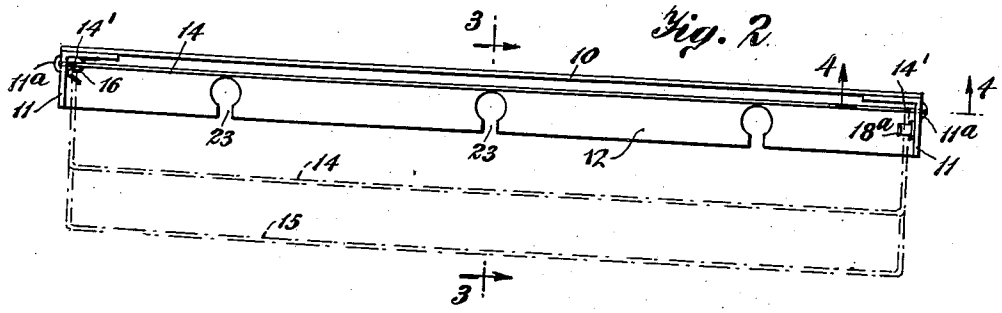
2,184,536

SUPPORT RACK

Filed Dec. 1, 1937

Fig. 1.





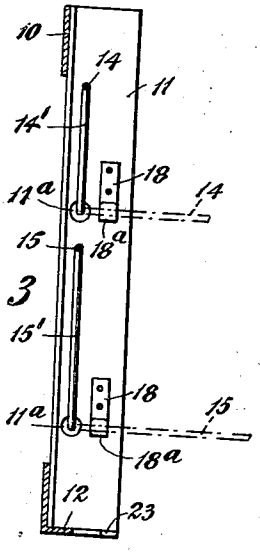


Fig. 3

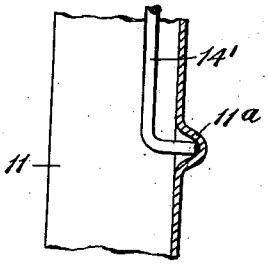


Fig. 4

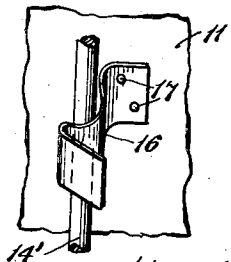


Fig. 5

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2,184,536

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SUPPORT RACK

Nora Mary Twomey, New York, N. Y.

Application December 1, 1937, Serial No. 177,468

2 Claims. (Cl. 211—100)

This invention relates to new and useful improvements in a support rack.

The invention has for an object the construction of a support rack which is characterized by a frame and a plurality of support bars. It is contemplated to arrange the frame with an opening for a fastening member and in a manner so that the frame may be mounted on a wall, a bathroom door, or other similar object. It is proposed to characterize the support bars by the fact that they may pivot upwards to an inoperative position within the frame, or they may pivot downwards and be extended ready for use.

Still further the invention proposes the provision of clips or elements for holding the bars in the raised positions.

Another object of the invention resides in providing means for supporting the bars in horizontal positions so as to extend them as desired.

A further object of the invention resides in forming the bottom arm of the frame with bayonet openings adapted to support various small articles; for example, tooth brushes.

Another object of the invention is the construction of a device as described which is simple and durable and which may be manufactured and sold at a reasonable cost.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawing, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawing forming a material part of this disclosure:

Fig. 1 is a perspective view of a support rack constructed according to this invention.

Fig. 2 is a plan view of Fig. 1.

Fig. 3 is a vertical sectional view taken on the line 3—3 of Fig. 2.

Fig. 4 is a sectional view taken on the line 4—4 of Fig 2.

Fig. 5 is a perspective view of another part used in the device.

The support rack, according to this invention, comprises a frame consisting of a top arm 10, side arms 11, and a bottom arm 12. This frame is adapted to be secured on a wall, door, or the like object. The side arms 11 are parallel to each other and are made from angle material. They continue into the bottom arm 12 which is also made from the angle material. The top arm 10 is merely a strip of material attached between the arms of the angle members 11 which are in a common plane, and it has an opening 10*a* by which the frame may be mounted on a nail, screw, or other support element on a door, wall or the like.

Several support bars 14, 15 are mounted upon the frame. Each of these bars has end portions 14′ and 15′ respectively, which are substantially at right angles to the longitudinal length thereof, and which have their extremities bent at right angles and extending into cupped shaped pressed out portions 11*a* in the side arms 11 so that the support arms are pivotally mounted and may be removed by flexing inwards the end portions 14′ and 15′. Each support arm may be placed in a vertical position, as shown in Fig. 1, and then it is disposed within the compass of the frame. Or the support arms may be pivoted outwards and downwards, as for example indicated by the dot and dash lines in Figs. 2 and 3. Preferably, the support bars 14, 15, etc., are of different depths so as to extend out to different distances, indicated by the dot and dash lines mentioned.

A clip 16 is provided for each support bar and is mounted upon the frame and adapted to secure and hold the support bar in a vertical position within the frame. Each clip 16 comprises merely a piece of spring material which is attached at one end by rivets 17 on the frame, and which has its other end bent in a manner so that it is possible to force a portion of the support bar against it and cause it to resiliently bend and then engage over the support bar and so hold it.

Each support bar is also associated with a means for holding same in the horizontal position. This means comprises a bracket 18 which is mounted on the frame and has a hook portion 18*a*. When the support bars are moved to the horizontal positions they have the end portions 14′ and 15′ rested on the hooks 18*a*.

The bottom arm 12 of the frame is formed with several bayonet openings 23 communicating with the front edge thereof and adapted to support small articles, particularly tooth brushes.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations therein may be made. I therefore reserve the right and priviledge of changing the form of the details of construction or otherwise altering the arrangement of the correlated parts without departing from the spirit or the scope of the appended claims.

Having thus described my invention, what I

claim as new and desire to secure by United States Letters Patent is:

1. A support rack, comprising a frame of angle material and having vertical side portions continuing into a horizontal bottom portion and one of the arms of the angle material forming said portions being in a common plane adapted to rest against a wall and the other arms of the angle material extending outwards at right angles, a plurality of support bars within the plane of said frame and having downwardly extending end portions pivotally mounted on the projecting arms of said angle material and adapted to swing outwards to the horizontal, hooks mounted on the projecting arms of said angle material for holding said bars in the horizontal position, and clips mounted on the projecting arms of said angle material for holding said bars in the vertical position.

2. A support rack, comprising a frame of angle material and having vertical side portions continuing into a horizontal bottom portion and one of the arms of the angle material forming said portions being in a common plane adapted to rest against a wall and the other arms of the angle material extending outwards at right angles, a plurality of support bars within the plane of said frame and having downwardly extending end portions pivotally mounted on the projecting arms of said angle material and adapted to swing outwards to the horizontal, hooks mounted on the projecting arms of said angle material for holding said bars in the horizontal position, and clips mounted on the projecting arms of said angle material for holding said bars in the vertical position, bayonet slots being formed in the projecting arm of said bottom portion for receiving and holding small articles like tooth brushes.

NORA MARY TWOMEY.