Sept. 6, 1932. A. C. FURO 1,876,494

ADJUSTABLE SHELF

Filed June 23, 1931

Fig. 1.

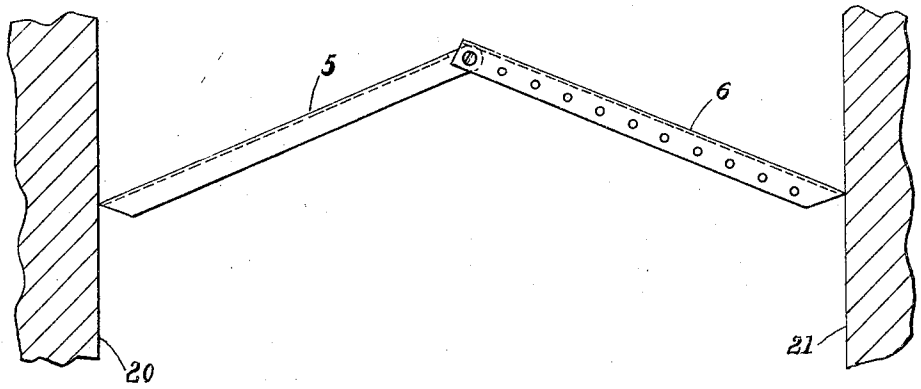


Fig. 2.

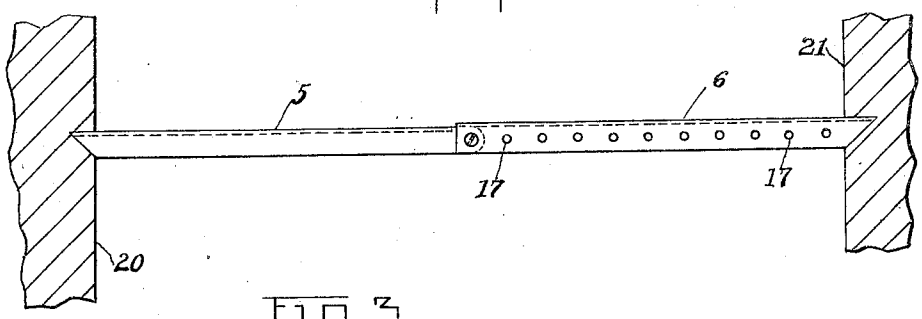
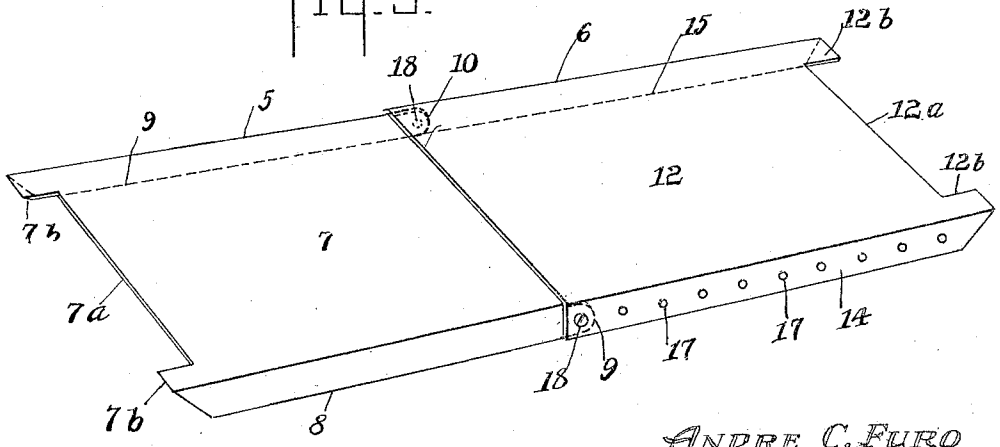


Fig. 3.



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UNITED STATES PATENT OFFICE

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ADJUSTABLE SHELF

Application filed June 23, 1931. Serial No. 546,323.

This invention relates to shelves and it has for one of its objects the provision of an adjustable shelf variable in length and provided with wall penetrating means so that the usual brackets or supporting means nailed to a wall are unnecessary to support the shelf of my invention.

Another object of the invention is the provision of a sectional shelf adapted to be quickly placed between walls which are of any practicable distance apart as far as a shelf of any ordinary length is concerned.

Other objects will be appreciated from a reading of the following specification.

The invention will be fully and comprehensively understood from a consideration of the following detailed description when read in connection with the accompanying drawing which forms part of the application, with the understanding, however, that the improvement is capable of extended application and is not confined to the exact showing of the drawing nor to the precise construction described and, therefore, such changes and modifications may be made therefrom as do not affect the spirit of the invention nor exceed the scope thereof as expressed in the appended claim.

In the drawing:

Fig. 1 is a front view of the adjustable shelf of my invention as the same is about to be placed in position between two walls.

Fig. 2 is a front view of the adjustable shelf in position, the shelf having wall-penetrating means at its ends, such means being shown in the wall; and

Fig. 3 is a perspective view of my improved adjustable shelf.

Referring to the drawing for a more detailed description thereof, the numerals 5 and 6 indicate shelf sections which cooperate to make an adjustable shelf. Section 5 comprises a horizontal portion 7 which may be termed the shelf portion proper of this section. Depending from the front and rear edges of the mentioned portion 7 are vertical flanges 8 and 9, respectively. Flanges 8 and 9 are respectively provided at their inner ends with lugs 9 and 10 which are provided with apertures for a purpose hereinafter mentioned.

The section 6 comprises a horizontal portion 12, which may be termed the shelf portion proper of this section, and front and rear depending vertical flanges 14 and 15, respectively. The flanges 14 and 15 are each provided with a series of apertures 17, corresponding apertures in the mentioned flanges 14 and 15 being opposite each other. The sections 5 and 6 lap each other at their inner end portions and are slidable relative to each other so as to be adjustable in length, section 6 being shown in the drawing as overlapping section 5, the flanges 14 and 15 of section 6 being outside of the flanges 8 and 9 of section 5. To make a shelf of desired length, the sections 5 and 6 are moved relative to each other until the mentioned sections constitute a shelf of the desired length whereupon the overlapping portions of the mentioned sections are pivotally connected together by means of screws 18 which pass through the lugs 9 and 10 of section 5 and through apertures 17 of the flanges 14 and 15 of section 6. The flanges 8 and 9 of section 5 are obliquely cut from their outer ends inwardly and the horizontal portion 7 is cut at its outer end to form a terminal edge 7*a*, back of the outer ends of the flanges 8 and 9, the edge 7*a* being shorter than the width of section 5 so as to provide end portions 7*b* which, with the oblique end portions of the flanges 8 and 9 form wall-penetrating means by which the section 5 may be held to a wall as for example the wall 20 shown in Figs. 1 and 2. Section 6 has its outer end formed in a manner similar to that described for section 5, the outer edge of the horizontal portion 12 of section 6 being designated by the numeral 12*a* and the horizontal penetrating portions of section 6 being designated by the numeral 12*b*, the flanges 14 and 15, of this section being obliquely cut inwardly from their outer ends. The penetrating ends of section 6, which comprise the horizontal portions 12*b* and the outer ends of the flanges 14 and 15, are adapted to penetrate a wall 21 shown in Figs. 1 and 2.

With the sections 5 and 6 adjusted to form

a shelf of desired length, the sectional shelf which, as previously stated, comprises sections 5 and 6 pivotally connected by means of screws 18, is positioned, as shown in Fig. 1, with the sections 5 and 6 at an angle to each other, their lapping inner portions forming the apex and the mentioned penetrating portions of sections 5 and 6 touching walls 20 and 21, respectively. Pressure is then applied to the lapped portions of the mentioned sections whereupon the mentioned penetrating ends are forced into the walls 20 and 21 to support the shelf, the mounted shelf being shown in Fig. 2.

What is claimed as new is:

An adjustable shelf comprising a pair of flat plate portions provided at their longitudinal edges with pendent flanges, said plate portions being arranged in overlapping relation, pivot members extending through the flanges at the points of overlap to effect pivotal connection between said members, said members at their free ends being cut away for the greater part of their widths to leave extending spur portions at opposite edges, the ends of said flanges being beveled but said flanges extending onto said spur portions.

In testimony whereof I hereby affix my signature.

ANDRE CHRISTIAN FURO.