

Sept. 1, 1925.

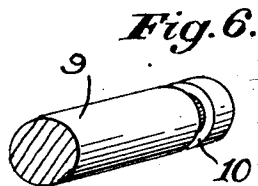
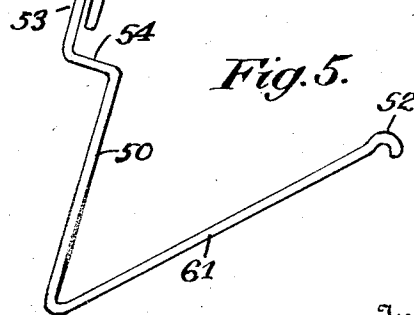
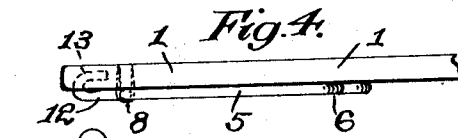
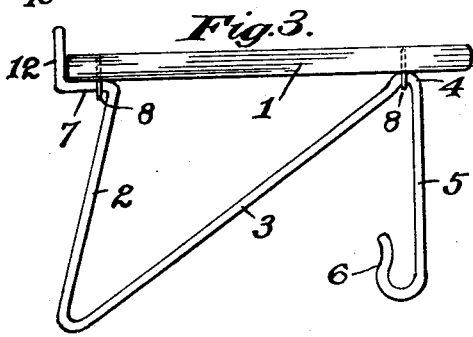
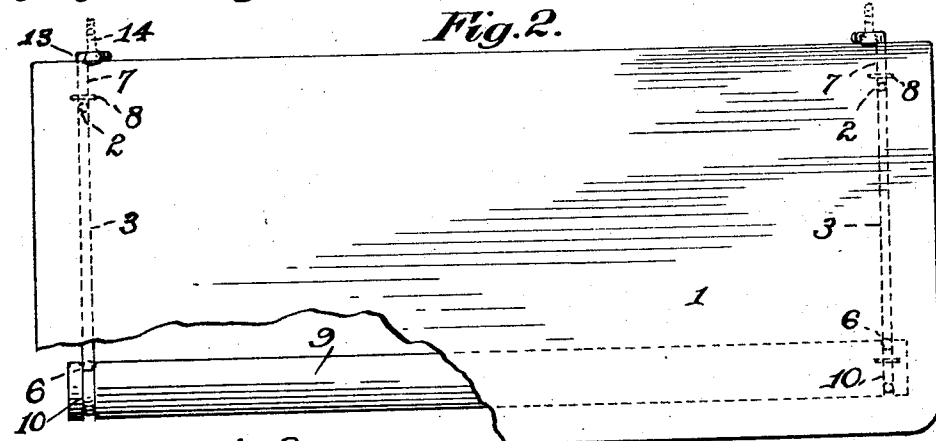
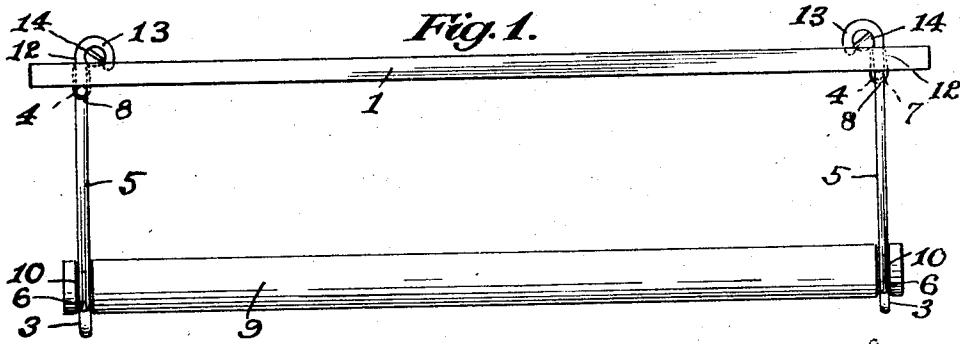
1,552,214.

A. F. CARLIN

COMBINED SHELF AND BRACKET

Original Filed Feb. 17, 1923

2 Sheets-Sheet 1



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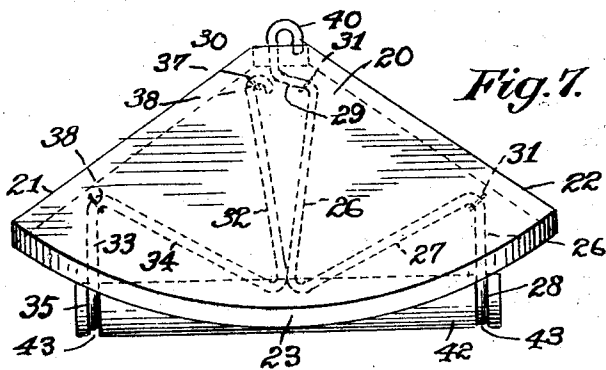


Fig. 7.

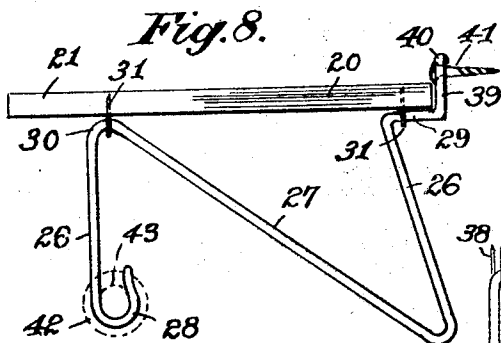


Fig. 8.

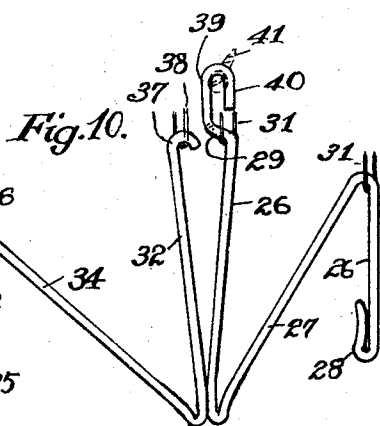


Fig. 10.

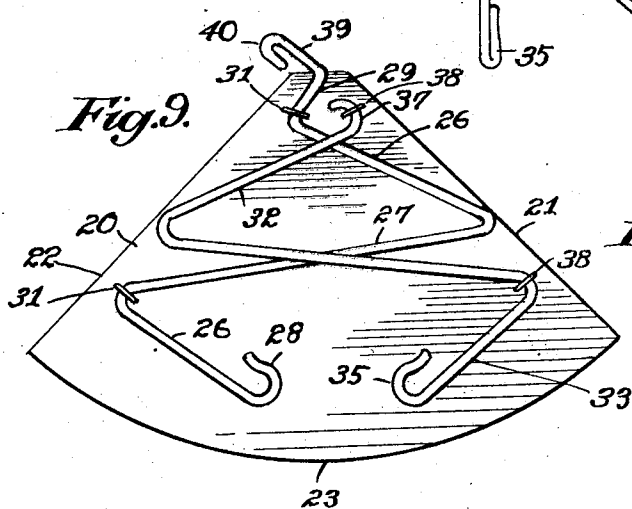


Fig. 9.

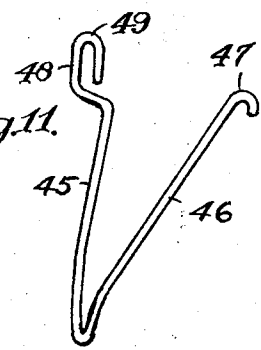


Fig. 11.

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UNITED STATES PATENT OFFICE.

ARVID F. CARLIN, OF MAMARONECK, NEW YORK.

COMBINED SHELF AND BRACKET.

Application filed February 17, 1923, Serial No. 619,646. Renewed January 30, 1925.

To all whom it may concern:

Be it known that I, ARVID F. CARLIN, a citizen of the United States, and a resident of Mamaroneck, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Combined Shelves and Brackets, of which the following is a specification.

The object of the present invention is to furnish an improved form of combined shelf and brackets, in which the brackets are attached to the shelf so that they can be folded from the position in which they support the shelf to a position lying flat against the shelf bottom.

A further object of the invention is to provide a device of this character in which a towel bar is used to hold the brackets in position for use, and brackets act to support the towel bar, but which is removed to permit the brackets to be folded against the shelf.

In the accompanying drawings illustrating embodiments of my invention,

Fig. 1 is a front elevation.

Fig. 2 is a plan view, partly broken through the shelf.

Fig. 3 is an end elevation.

Fig. 4 is a partial front view showing one bracket folded.

Fig. 5 shows one bracket.

Fig. 6 indicates the towel rod.

Fig. 7 shows in perspective the corner shelf.

Fig. 8 is side view of the latter.

Fig. 9 is a bottom view of this shelf in folded position.

Fig. 10 shows the brackets for this corner shelf.

Fig. 11 shows the bracket with the hook omitted.

As shown in Figs. 1-6, the shelf 1 is of oblong form and is provided with a pair of brackets, each composed of a single rod, which in this form, are identical. Each bracket as shown comprises a wire or rod having an upright portion 2, bent at the lower end to form an inclined portion 3, that has a bend 4 at the top to provide a free depending portion 5 with a hook 6 at the lower end. This bracket is attached to the lower face of the shelf 1, at the bend 4, and also on the upper end of the portion 2, that is bent to extend rearward at 7. These portions 4 and 7 have a hinge attachment to the

lower face of the shelf by suitable means, such as staples 8, 8, that will permit this bracket, whose three portions 5, 3 and 2 lie in one plane, to swing from the depending position, to a position to lie flat against the bottom of the shelf, as indicated in Fig. 4. The hook portions 6 of these brackets are arranged to receive a suitable member, that will retain the brackets in this position; as shown I provide a bar 9 having at each end an annular groove 10, which portion is passed downwardly into each hook 6, as indicated in Figs. 1 and 2. This will serve to retain the brackets in the depending position, and will also furnish a convenient rod to receive a towel or the like. One or both of the brackets are provided with means for conveniently attaching the shelf to a wall. As shown in these views, the rear extension 7 is bent upwardly at 12 back of the shelf, with the extremity bent to form an eye 13 as shown, that will be located just above the shelf at the rear, so that the attaching screws 14 may be passed through the eye and into the wall to support the shelf. This eye portion will not interfere with the folding of the bracket.

In Figs. 7-10 I show a substantially similar form of bracket, applied to a corner shelf. In this arrangement I provide a shelf 20 having two sides 21, 22, at a right angle with a curved front portion 23. I further provide a bracket member composed of upright portions 25 and 26, connected by an inclined portion 27, with a hook 28 at the front free end. The rear portion 26 has a rearward bend 29 at the top to permit the bracket to be hinged to the shelf bottom by a staple 31.

Another bracket is provided for this shelf comprising two upright portions 32 and 33 connected by an inclined portion 34, with the hook 35 at the front lower end, and a bend at 36, and also a rearward extending portion 37. The portions 36, 37, are hinged to the shelf by staples 38. One of these brackets has a rear extension for attachment to the wall, and with a corner shelf one support only is required as the side edges of the shelf will engage the corner walls and prevent shifting of the bracket. The rear extension 29 is provided with an upright portion 39 containing an eye 40 extending above the shelf, to receive a screw 41. A towel bar 42 with curved end por-

tion 43 serves to engage the hook end 28 and 35, to support the bar, and to retain the brackets in position for use.

It will be thus seen that I have provided a shelf with a simple and efficient form of brackets each made up merely of a rod, and these brackets are attached to the shelf by staples to fold down against the shelf, when not in use, that will permit convenient storage or transportation of the shelf. When it is to be used, the brackets are merely swung to the upright positions and connected by the towel rod, and the screws or nails applied through the eyes, to the wall. And the device is easily and quickly taken down for removal or storage.

If desired the leg or depending portion 26 and the hook can be omitted. This is shown in Fig. 11, where the bracket comprises an upright portion 45, with an inclined forward portion 46 having a bend 47 at the top to engage the staple 31. This bracket has the rear extension 48 with an eye 49 to engage the screw.

Fig. 1 shows a bracket similar to Fig. 3, with the depending part 5 and hook 6 omitted. Here the bracket is formed of a vertical portion 51, and an inclined portion 61 with a small bend 52 to engage the staple. This bracket has a straight portion 54 extending rearward with an eye 53 at the rear to engage the screw.

What I claim is:—

1. The combination with a shelf; of brackets, each formed from a single length of wire, each wire having one end bent to form an open hook, the wire of each bracket extending from said hook and bent to V-shape, the bend being hingedly secured to the underside of the shelf adjacent its front, the wire being again bent to V-shape, the last mentioned bend being in alignment with the rear edge of the shelf, said bends being arranged to provide a substantially vertical portion extending upwardly from the hook, a portion extending rearwardly and downwardly from the hinged connection

of the first bend and forming a strut member, the second bend being adapted to rest against the wall and the portion extending therefrom extending upwardly and forwardly, each wire being provided with a hinged connection with the underside of the shelf at the upper end of the last mentioned portion, one of said wires being extended rearwardly from the last mentioned hinge and upwardly behind the shelf and provided with a terminal wire, said hinge being in alignment to permit folding of the brackets onto the underside of the shelf, and means engageable with the open hooks to hold the brackets in supporting position.

2. The combination with a shelf, of brackets, each formed from a single length of wire, each wire having one end bent to form an open hook, the wire of each bracket extending from said hook and bent to V-shape, the bend being hingedly secured to the underside of the shelf adjacent its front, the wire being again bent to V-shape, the last mentioned bend being in alignment with the rear edge of the shelf, said bends being arranged to provide a substantial vertical portion extending upwardly from the hook, a portion extending rearwardly and downwardly from the hinged connection of the first bend and forming a strut member, the second bend being adapted to rest against the wall and the portion extending therefrom extending upwardly and forwardly, each wire being provided with a hinged connection with the underside of the shelf at the upper end of the last mentioned portion, each of said wires being extended rearwardly from the last mentioned hinge and upwardly behind the shelf and provided with a terminal wire, said hinge being in alignment to permit folding of the brackets onto the underside of the shelf, and means engageable with the open hooks to hold the brackets in supporting position.

Signed at New York, N. Y. on February 10 1923.

ARVID F. CARLIN.