G. EGGL.

DETACHABLE AUXILIARY HOLDER FOR SHELVES AND TABLES.

APPLICATION FILED JAN. 2, 1908.

901,598. Patented Oct. 20, 1908.

Fig. 1.

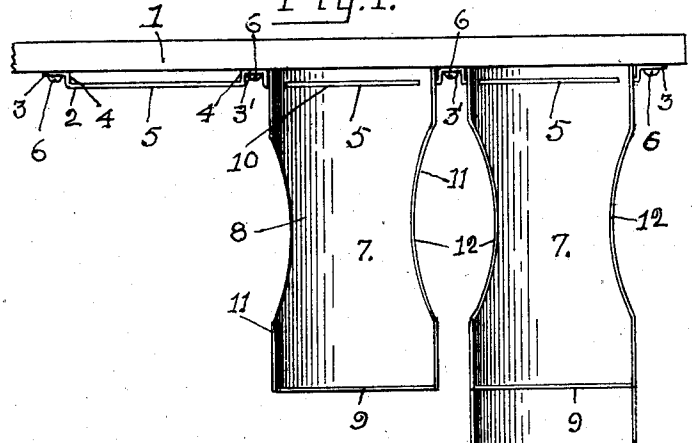


Fig. 2.

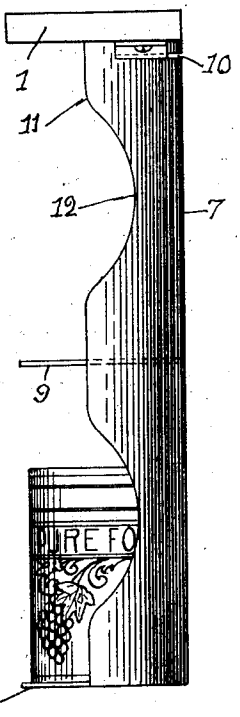


Fig. 6.

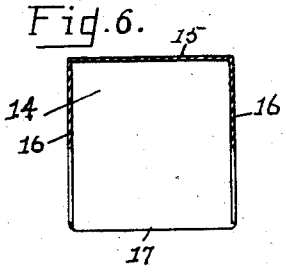


Fig. 4.

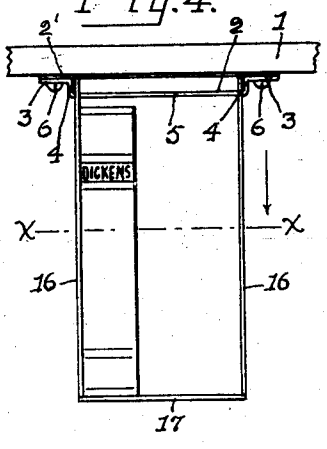
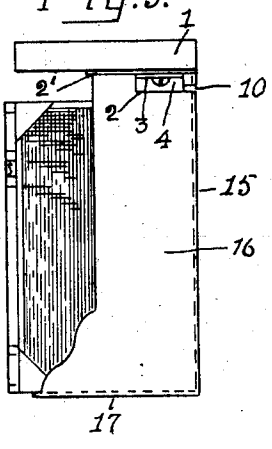


Fig. 5.



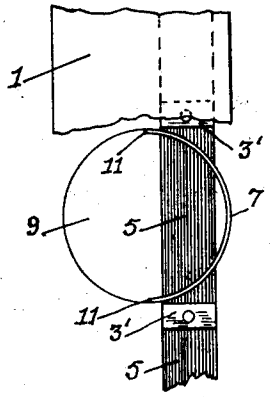


Fig. 3.

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DETACHABLE AUXILIARY HOLDER FOR SHELVES AND TABLES.

No. 901,598. Specification of Letters Patent. Patented Oct. 20, 1908.

Application filed January 2, 1908. Serial No. 409,086.

To all whom it may concern:

Be it known that I, GREGOR EGGL, a citizen of the United States, residing at Toledo, in the county of Lucas and State of Ohio, have invented a new and useful Improvement in Detachable Auxiliary Holders for Shelves and Tables, of which the following is a specification.

My invention relates to a detachable auxiliary holder for shelves, tables, counters and the like, and has for its object to provide a device of the kind that is adapted to be made in various suitable forms and that is conveniently and readily attached to and detached from the underside of shelving for the safe support and display of glasses, bottles and various articles, and also to the underside of tables and counter tops for the convenient support of drinking glasses and the like. I accomplish these objects by the construction and combination of parts as hereinafter described and illustrated in the drawings, in which—

Figure 1 is a front elevation of a shelf equipped for receiving holders constructed in accordance with my invention and showing both single and series holders attached thereto. Fig. 2 shows a side elevation of a series holder. Fig. 3 is a top view of the same with a portion of the shelf broken away. Fig. 4 is a front elevation of a holder constructed in accordance with my invention adapted to hold books. Fig. 5 is a side elevation of the same, and Fig. 6 is a cross section of the same on line *x*—*x*.

In the drawings 1 designates a shelf, to the underside of which is attached the supporting bracket 2 formed of a sheet metal strip of suitable width and length, having end portions 3 and intermediate portions 3′ bent to form the steps 4 and the portions 5 between the steps in a parallel plane with the end portions 3. The end portions 3 and the portions 3′ are perforated for their attachment by screws 6 to the underside of the shelf 1.

7 designates a holder comprising a sheet metal body 8 designed to hold a drinking glass or other cylindrical article, and formed of a sheet metal blank bent semi-cylindrical and provided with a circular bottom 9 having a diameter equal to the diameter of the inner circle of the body 8. The top end portion of the holder 7 is provided with a narrow slot 10 parallel with its top end and located a distance therefrom equal to the distance between a portion 5 of the supporting bracket 2 and the underside of the shelf or top 1. The slot 10 extends through the back of the holder body 8 towards its front edges 11, and the distance between the front edges 11 of the holder body preferably equals the length of a portion 5 of the brackets 2. The edges 11 of the body 8 have curved incuts 12 formed therein, whereby the article mounted and supported on the bottom 9 may be readily grasped to remove it therefrom. Thus constructed the holder 7 may be readily and conveniently attached to the bracket 2 by placing the top end of the holder against the under side of the shelf 1 in front of the bracket 2, and pushing it back until the central portion 5 of the bracket has fully entered within the slot 10 of the holder, in which position the holder is firmly supported by the bracket 2 with its top end engaged with the underside of the shelf 1, and is as readily detached therefrom by grasping the holder body and pulling it outward until the central portion 5 of the bracket is detached from the slot 10.

In forming the holders 7, the front edges 11 are preferably separated a slightly greater distance than are the steps 4 of the brackets 2 so that the sides of the holder are sprung inward when the ends of the slot 10 are against the front edge of the middle portion 5 of the bracket plate 2 thereby creating a lateral pressure that operates to increase the firmness of attachment of the holder, and in detaching the holder by slightly compressing the sides inward, the holder is readily removed and this principle of construction is preferably used in all forms of holders.

Single holders of the form shown in Fig. 1 are specially adapted for attachment to the undersides of the tops of card tables for holding drinking glasses. In Fig. 1 is shown a form of holder 7 that is provided with a series of ledges 9, and which is adapted to receive and support a set of drinking glasses or bottles, and it is manifest that a shop or store shelf equipped with holders of like construction would be convenient for the display and support of articles of the kind kept and displayed in drug stores and groceries and that the holders being made of suitable length, only a single shelf is required for the attachment of holders, suited to the various kinds of goods and articles of the kind kept in stock for display.

In Figs. 4 and 5 are shown a form of

holder 14 having a back 15, sides 16, and a ledge 17 adapted to receive and support a book and it is manifest that such holders, made either in the single or series form, are convenient for library cases. In Figs. 4 and 5 the bracket plate 2 is shown supplemented by a face place 2′ which is interposed between the underside of the shelf or table top and the plate 2, and is provided with orifices registering with the orifices of the plate 2, whereby the attaching screws 6 secure both the face plate and the bracket plate. Thus secured, the face plate intervenes between the top of the holder and the shelf and prevents injury to the face of the shelf, in attaching and detaching the holders.

It is manifest that the principle of construction shown and described may be applied to various forms of detachable holders, and I therefore do not limit myself to the forms herein shown.

What I claim to be new is—

1. In a detachable holder for shelves and the like, the combination with a shelf, of a sheet metal holder body bent to form a recess open at the front and top, the holder body being provided with a supporting ledge at its lower end portion and with a slot in its upper end portion parallel with its top end and extending through the back towards the front of the holder, and a plate adapted to be secured to the underside of the shelf in position to enter the slot when the holder with its top end engaging the underside of the shelf is pushed back thereon.

2. In a detachable auxiliary holder for shelves and the like, a plate having supports adapted to secure a portion between the supports parallel with and a distance below the underside of a shelf or table top, and a recessed holder body open at the front and provided with a supporting ledge, and having its top end portion provided with a slot to receive the portion of the plate between the supports when the top end of the holder body is engaged with the underside of the shelf and pushed back towards the plate.

3. A detachable auxiliary holder for shelves, table tops and the like, comprising an elongated metal supporting plate, having stepped up portions adapted to be secured to the underside of a shelf or table top and support the intervening portion or portions parallel with the shelf or table top, and a semi-cylindrical holder body having a slot in its top end portion adapted to receive an intervening portion of the plate with the upper end of the holder in engagement with the underside of the shelf, and provided with a ledge or ledges at an interval or intervals below the top.

4. A detachable auxiliary holder for shelves, comprising an elongated metal supporting plate having stepped up portions adapted to be secured to the underside of a shelf and support an intervening portion parallel with the shelf, and a holder formed of sheet metal bent to form side portions and a back portion, and provided at the top end portion with a slot extending parallel with the top and through the back portion and partly through the side portions and adapted to receive the middle portion of the supporting plate, and at the lower end portion with a ledge adapted to support the object it is designed to support, partly between and partly without the sides of the holder.

In witness whereof, I have hereunto signed my name in the presence of two subscribing witnesses, this 24th day of December, 1907.

GREGOR EGGL.

In presence of—

MARK WINCHESTER,

W. BILLINGSLEA.