

No. 747,442.

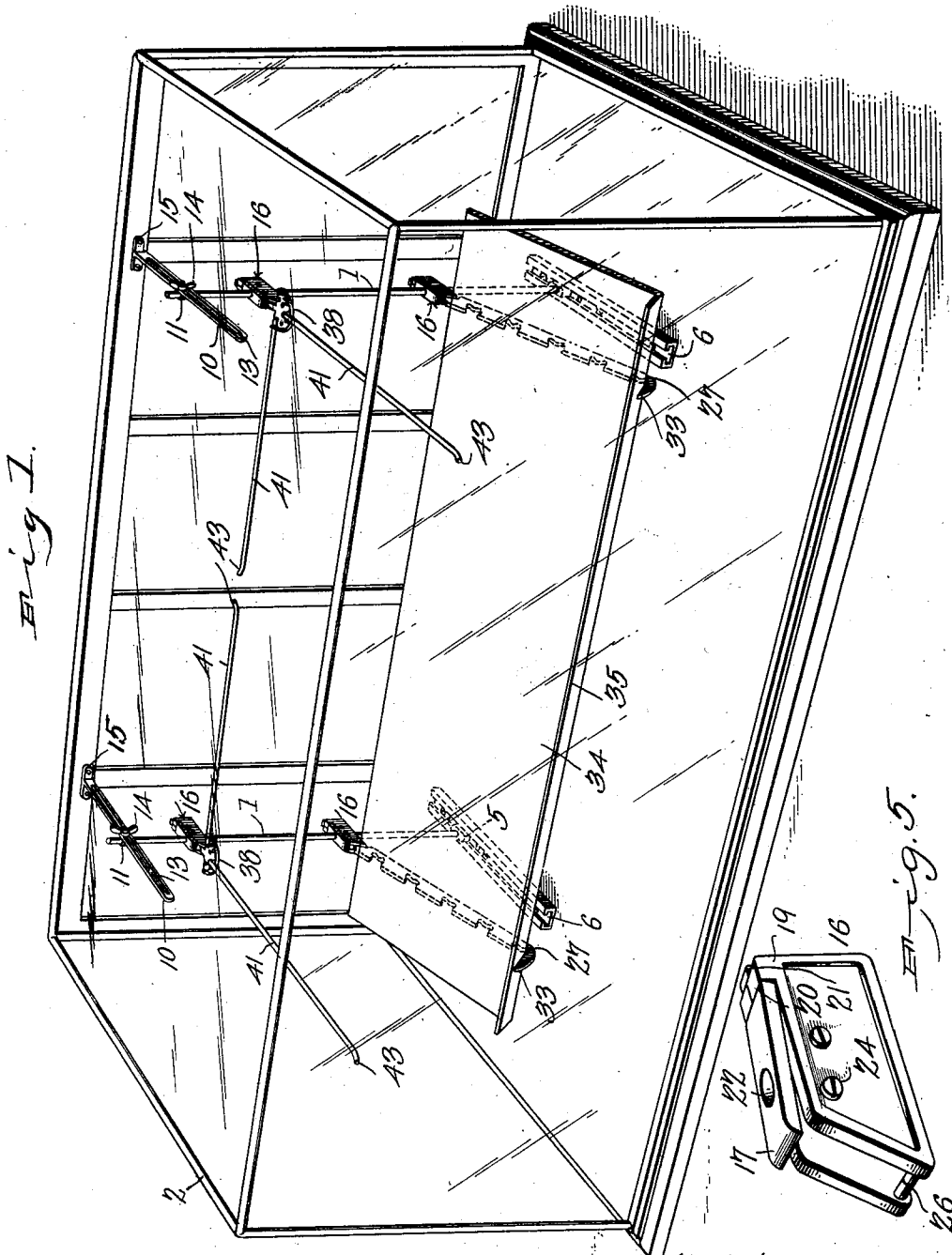
PATENTED DEC. 22, 1903.

C. E. LATSHAW.  
INTERCHANGEABLE AND ADJUSTABLE DISPLAY BRACKET FOR  
SHOW CASES, WINDOWS, &c.

NO MODEL.

APPLICATION FILED NOV. 7, 1902.

2 SHEETS—SHEET 1.



Witnesses  
*E. J. Stewart*  
*J. H. Riley*

C. E. Latshaw, Inventor;  
by *C. A. Snow & Co.*  
Attorneys

No. 747,442.

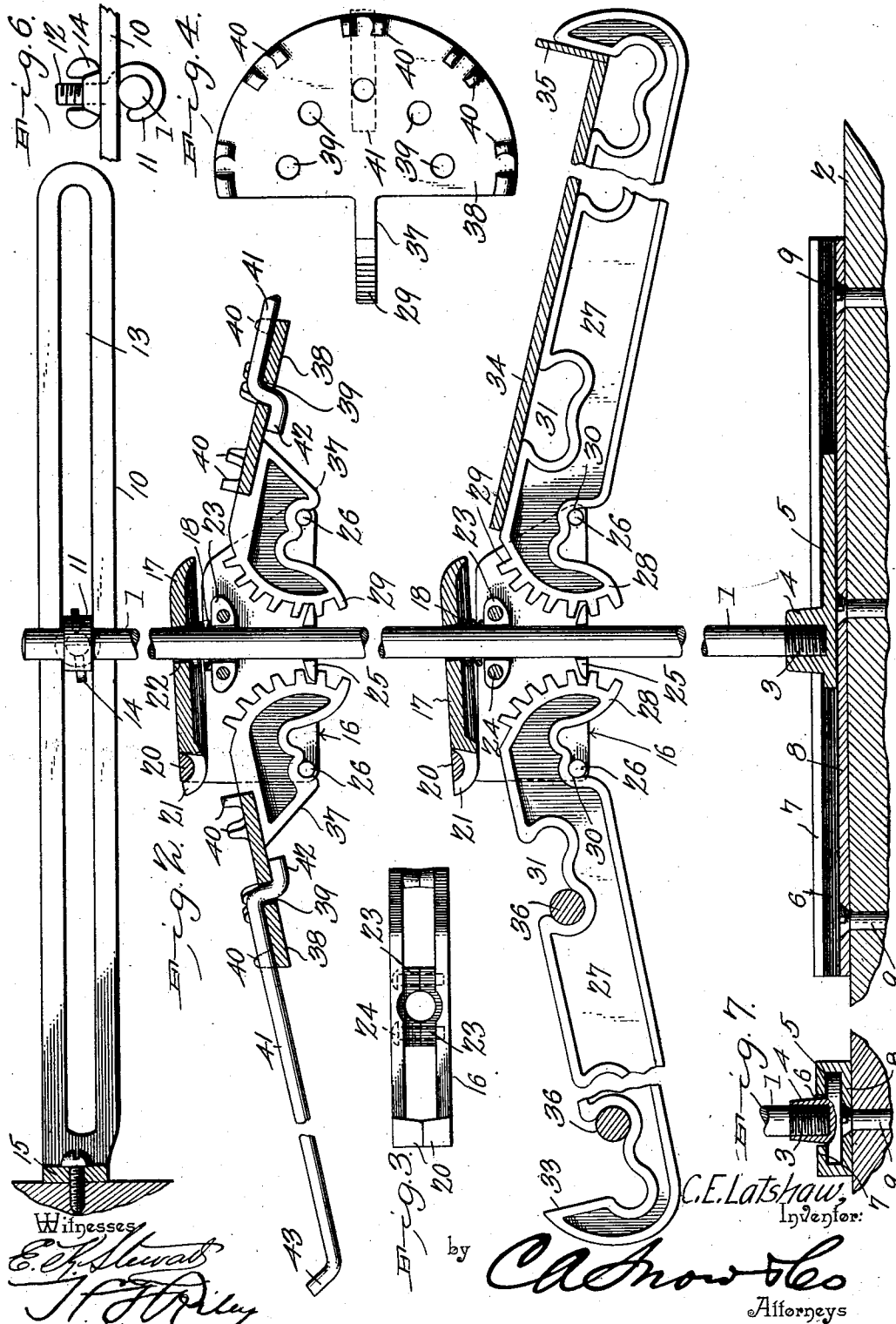
PATENTED DEC. 22, 1903.

C. E. LATSHAW.  
INTERCHANGEABLE AND ADJUSTABLE DISPLAY BRACKET FOR  
SHOW CASES, WINDOWS, &c.

APPLICATION FILED NOV. 7, 1902.

NO MODEL.

2 SHEETS—SHEET 2.



# UNITED STATES PATENT OFFICE.

CHARLES EDWARD LATSHAW, OF LINCOLN, NEBRASKA.

INTERCHANGEABLE AND ADJUSTABLE DISPLAY-BRACKET FOR SHOW-CASES, WINDOWS, &c.

SPECIFICATION forming part of Letters Patent No. 747,442, dated December 22, 1903.

Application filed November 7, 1902. Serial No. 130,447. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES EDWARD LATSHAW, a citizen of the United States, residing at Lincoln, in the county of Lancaster and State of Nebraska, have invented a new and useful Interchangeable and Adjustable Display-Bracket for Show-Cases, Windows, &c., of which the following is a specification.

The invention relates to improvements in display-brackets.

The object of the present invention is to improve the construction of brackets for displaying goods in show-cases, windows, and the like and to provide a simple and comparatively inexpensive one adapted to be readily arranged at the desired elevation and capable of supporting a shelf, rods, or other device for holding the goods to be displayed in a horizontal position or in an inclined position.

The invention also has for its object to provide a bracket of this character having opposite adjustable supporting-arms and capable of being readily moved backward and forward to arrange it the desired distance from the front or back of a show-case or window.

Another object of the invention is to enable the device to be firmly supported in the desired adjustment and to effectually prevent any liability of the bracket slipping or tilting over, so that there will be no danger of breaking the glass of a window or show-case by the accidental falling of any of the parts of the device.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a show-case provided with a display-rack constructed in accordance with this invention. Fig. 2 is a vertical sectional view, adjustable arms being arranged in both ends of the clamps. Fig. 3 is a plan view of the body portion of one of the clamps. Fig. 4 is a detail view of one of the bracket-arms, illustrating the construction for supporting a plurality of rods. Fig. 5 is a perspective view of one of the clamps. Fig. 6 is a detail view illustrating the construction of the hook for

engaging the upper end of the rod. Fig. 7 is a detail sectional view illustrating the manner of mounting the lower end of the rod.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a vertical rod designed to be mounted in a show-case 2 or in a window or in any other place where it is desired to display goods and provided at its lower ends with threads 3 for engaging interior threads of a socket 4 of a slide 5, which is adapted to be moved backward and forward in a way 6 to arrange the rod at different points along the guide to support the brackets, hereinafter described, in the desired position with relation to the front and back of the show-case, window, or the like. The rod, which is smooth, may be of any desired shape in cross-section, and the guide, which is preferably constructed of metal, consists of opposite L-shaped flanges 7 and a connecting bottom portion 8, which is perforated for the reception of screws 9 or other suitable fastening devices for securing the guide to the bottom of the show-case.

The upper end of the rod is clamped at the desired adjustment to a slotted guide-arm 10 by means of a hook 11, engaging the rod and provided with a threaded shank 12, extending through the slot 13 of the guide-arm 10 and receiving a thumb-nut 14. The guide-arm is provided at its inner ends with perforated ears 15 and it forms a firm support for the upper end of the rod and enables high rods to be safely employed in show-cases, windows, and the like and will effectually prevent a rod from falling and breaking the glass. The perforated ears are secured by screws or other suitable fastening devices to the back of the show-case at the top thereof. These top guides may, however, be omitted where short rods only are employed, as the bottom guide will be sufficient to support the same in an upright position.

The goods to be displayed are supported by vertically-adjustable racks mounted on the vertical rods or bars and provided with clamps composed of a body portion or casing 16 and a clamping-jaw 17, which is normally held in engagement with the rod or bar 1 by means of a coiled spring 18, interposed be-

tween the body portion or casing of the clamp and the jaw, as clearly illustrated in Fig. 2 of the accompanying drawings. The body portion or casing has a vertical opening to receive the rod, and it is provided with a longitudinal or horizontal opening, and it also has top and bottom openings. The said body portion or casing, which may be constructed of a single piece or casting, is preferably composed of two sides or sections provided at their inner faces with lugs, hereinafter described, to form cross-pieces and to provide the central opening or space for the vertical rod or bar. The sides or sections are provided at one end with top extensions 19, having inwardly-extending lugs 20, forming a top cross-bar, which is located above the upper edges of the sides or sections of the body portion or casing and which forms a top cross bar or piece. The top cross bar or piece is rounded at the lower face to form a pintle for the clamping-jaw 17, which is provided with a hook-shaped tongue 21. The clamping-jaw is provided between its ends with an aperture 22, slightly larger than the vertical rod 1 and forming opposite engaging edges, which are adapted to bind against the rod when the clamping-jaw is swung away from the body portion or casing by the coiled spring 18, and the said clamping-jaw is normally held in its engaging position by the same. The sections or sides of the body portion or casing are recessed at their inner faces at the top of the clamp to form a seat for the lower end of the spring, and the latter engages upper lugs 23, the body portion or casing being perforated at the said lugs 23 for the reception of screws 24 or other suitable fastening devices for securing the sections or sides. The upper lugs 23, which are located at opposite sides of the center, receive the vertical rods or bars between them, and the casing is also provided with lower centrally-arranged lugs 25, located at opposite sides of the bar or rod 1, and these lugs form the central vertical opening for the said rod or bar. The body portion or casing is tapered and extended at the end opposite that at which the clamping-jaw is pivoted, and the jaw and the casing are adapted to be simultaneously grasped to compress the coiled spring and carry the clamping-jaw out of engagement with the rod to permit the clamp to slide freely on the rod.

The body portion or casing of the clamp is also provided with bottom cross-bars formed by lugs or projections 26, extending inward from the inner faces of the sides of the clamp. Each end of the casing is adapted to receive an arm 27, having its inner end extended downward to provide a depending portion 28, having lugs or teeth 29 forming shoulders arranged at different elevations and adapted to engage the lugs 25 at the lower face of the clamp. The arms are provided adjacent to the depending portion with bearing recesses or seats 30 for the reception of the lower cross-

bars, which are rounded to serve as pivots for permitting the arms to be arranged in different positions. The arms are adapted to be lifted out of engagement with the lower cross-pieces, and they may then be withdrawn from engagement with the bottom lugs 25. The arms are then free to be adjusted to the desired position, and when in engagement with the lugs 25, as illustrated in Fig. 2 of the drawings, they are firmly held in their adjusted position.

The arms may be in the form of bars provided at their upper edges with recesses 31 and having upwardly-extending outer terminals 33. The arms or bars are adapted to support a shelf 34 for holding the articles to be displayed, and when the shelf is arranged in an inclined position the upwardly-extending terminals 33 are adapted to form supports for an outer longitudinal strip 35 for retaining the articles to be displayed on the shelf. The seats of the recesses 31 are adapted to receive rods 36 for holding the articles to be displayed. Both sets of arms may be employed, as illustrated in Fig. 2 of the drawings, or only one set may be used, as shown in Fig. 1. Any number of brackets may be employed, and the arms 37 of the top brackets are preferably short and provided with semicircular or segmental plates 38, provided with inner perforations 39 and outer lugs 40 for engaging rods or bars 41. The lugs are arranged in pairs to form seats for the rods or bars, which have angularly-bent inner ends 42, forming L-shaped portions which extend through the perforations 39 and engage the lower face of the segmental plate or enlargement of the short arm. The outer ends of the rods or bars, which extend radially from the segmental plate or enlargement, are extended upward, as shown at 43, and any number of these rods may be employed. The brackets may be used singly, and I desire it to be understood that various changes in the form, proportion, size, and minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention, such as extending the guide-arm entirely across the show-case for bracing the latter and for supporting the glass at the top thereof. When the arm is extended entirely across the casing, it will be arranged with its upper edge contiguous to the top glass.

The brackets besides being adjustable are interchangeable and may be arranged in any desired manner, as will be readily understood.

What is claimed is—

1. In a display-rack, the combination with a rod, of a clamp mounted thereon and having a spring-actuated jaw adapted to automatically engage the same frictionally to hold the clamp in position solely by such frictional engagement, and an arm carried by the clamp.
2. In a display-rack, the combination with

a rod, of a clamp slidably mounted thereon, a spring-actuated jaw pivoted to the clamp and adapted to automatically engage the rod frictionally to hold the clamp in position, and  
5 an arm carried by the clamp.

3. In a display-rack, the combination with a rod, of a clamp slidably mounted thereon and having a spring-actuated jaw adapted to automatically engage the rod frictionally to  
10 hold the clamp in position, and an adjustable arm carried by the clamp and means for holding the same at different inclinations.

4. In a display-rack, the combination with a rod, of a clamp slidably mounted thereon  
15 and having a spring-actuated jaw adapted to automatically engage the rod frictionally to hold the clamp in position, a plurality of independently-adjustable arms carried by the clamp, and means for holding the arms in  
20 their various independent adjustments.

5. In a display-rack, the combination with a rod, of a clamp mounted thereon and comprising a pair of separable sections having  
25 lugs which engage the rod to sustain the clamp thereon, means for connecting the sections, and an arm carried by the clamp.

6. In a display-rack, the combination with a rod, of a clamp mounted thereon and comprising a pair of separable sections having  
30 lugs which engage the rod to sustain the clamp thereon, means for connecting the sections, and an adjustable arm carried by the clamp and adapted to engage the lugs and be held thereby in various adjustments.

7. In a display-rack, the combination with a rod, of a clamp mounted thereon and comprising a pair of separable sections having  
35 lugs which engage the rod and sustain the clamp, a spring-actuated jaw pivoted to the

clamp and adapted to automatically engage  
40 the rod to hold the clamp in position thereon, and an arm carried by the clamp.

8. In a display-rack, the combination with a rod, of a clamp mounted thereon and comprising a pair of separable sections having  
45 lugs which engage the rod and sustain the clamp, a spring-actuated jaw pivoted to the clamp and adapted to automatically engage the rod to hold the clamp in position thereon, and an adjustable arm carried by the  
50 clamp and adapted to engage the lugs and be held thereby in various adjustments.

9. The combination of a rod, a clamp slidably mounted thereon, and adapted to automatically engage the same frictionally, an arm inter-  
55 locked with the clamp and provided with shoulders for supporting it at different elevations and having a plate or enlargement, said plate or enlargement being provided with openings and having seats, and rods or  
60 bars arranged in the seats and having inner portions extended through the openings, substantially as described.

10. The combination of a lower way, a slide operating in the way, a rod mounted on the  
65 slide, a clamp mounted on the rod and adapted to automatically engage the same frictionally, an arm carried by the clamp, an upper guide-arm, and a clamping device slid-  
70 able on the guide-arm and engaging the rod, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES EDWARD LATSHAW.

Witnesses:

WILLARD E. STEWART,  
J. A. LATSHAW.