

V. SJÖSTRÖM.
BRACKET FOR SHOW CASES OR THE LIKE.
APPLICATION FILED APR. 20, 1903.

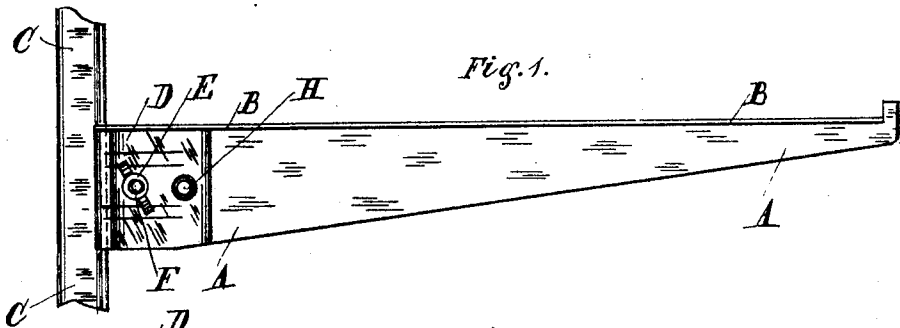


Fig. 1.

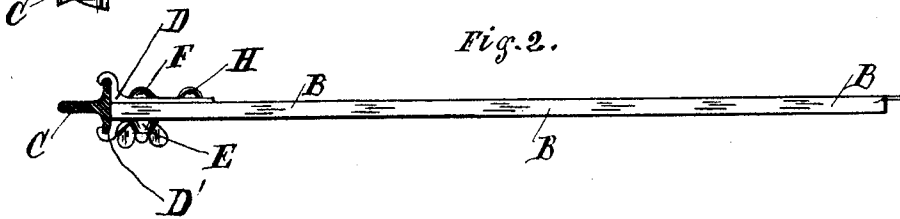


Fig. 2.

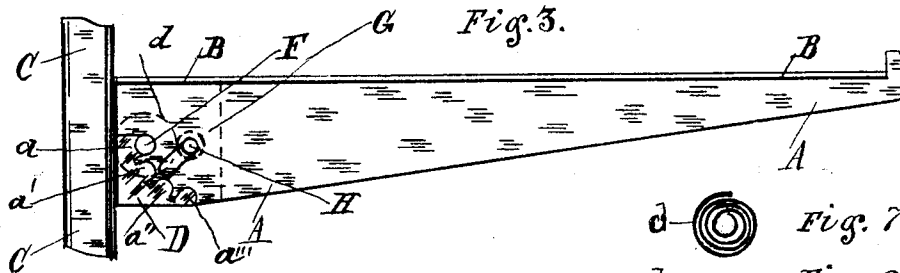


Fig. 3.

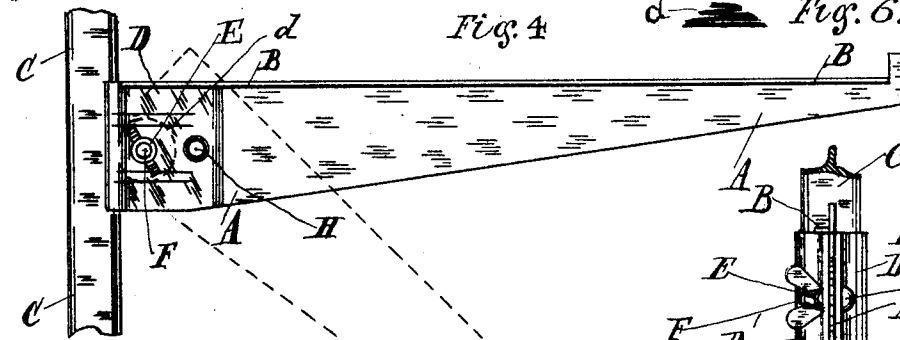


Fig. 4.



Fig. 7.



Fig. 6.

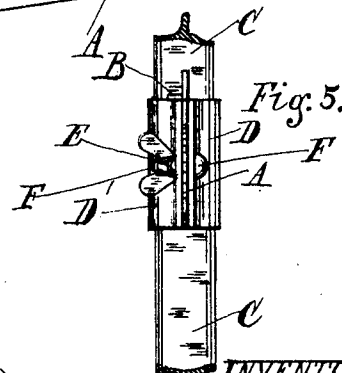


Fig. 5.

Witnesses.
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UNITED STATES PATENT OFFICE.

VICTOR SJÖSTRÖM, OF LOS ANGELES, CALIFORNIA.

BRACKET FOR SHOW-CASES OR THE LIKE.

SPECIFICATION forming part of Letters Patent No. 782,069, dated February 7, 1905.

Application filed April 20, 1903. Serial No. 153,502.

To all whom it may concern:

Be it known that I, VICTOR SJÖSTRÖM, a citizen of the Kingdom of Sweden, residing in Los Angeles city, in the county of Los Angeles, and in the State of California, have invented a new and useful Bracket for Show-Cases or the Like, of which the following is a full, clear, and exact description or specification, reference being had to the annexed drawings and to the letters marked thereon.

This invention, which relates to new or improved brackets for show-cases and the like, has for its object generally the production of a bracket for supporting the shelves of show-cases (usually formed each of a sheet or strip of plate-glass sufficiently thick to carry the weight of the articles placed or shown thereon) in such manner that the said brackets shall be removable from the vertical bars or rods upon which the said brackets are carried and that the said brackets shall also be capable of being slid downward or upward over or upon the said vertical carrying rods or bars and incapable of being removed therefrom without being moved thereof longitudinally or more or less horizontally forward when the gripping or tightening connection of the brackets with the vertical carrying-bars is sufficiently released, as hereinafter described.

My present invention consists of a bracket capable of carrying or supporting horizontally a shelf in a show-case—such, for example, as a plate of glass, onyx, or other stone, wood, obonite, or vulcanite, or other such sufficiently hard and rigid material—and also capable of being set at several angles with the horizontal and adapted for carrying such shelves or plates at various angles dipping downward. The attachment whereby each bracket is connected to the vertical bars of the show-case or the like is capable of being placed over or upon and removed from the said vertical bars by pushing or pulling the attachment horizontally upon or from the vertical slide-bars and by adjusting and fixing the said bracket thereon by a pinching or set nut and screw, in the manner hereinafter described.

Upon the annexed drawings, Figure 1 is a

side elevation of a bracket and vertical slide-bar, to which said bracket is attached, constructed after the manner of or according to the present invention, the bracket in this case being a bracket arranged to be dipped downward at any required angle, as hereinafter described. Fig. 2 is a plan looking vertically downward upon the bracket and slide or carrying bar corresponding to Fig. 1. Fig. 3 is a side elevation corresponding to Fig. 1, with the pinching-nut and pinching-plate shown in Figs. 1 and 2 removed, but also showing the notched quadrantal inner end of the back of the bracket and the inclined slot and guide-pin, by means of the conjoint operation of which when the pinching-nut is released the horizontal position of the bracket is capable of being depressed into one of several inclined positions, of which one such inclined position is shown in dotted lines in Fig. 4. Fig. 5 is a front elevation corresponding to Figs. 1 to 4. Figs. 6 and 7 respectively represent in side elevation and plan the volute spring for opening the gripping-jaws of the device, so as to admit of its removal from the vertical bar of the show-case or other apparatus or system wherein it is used.

The bracket-arm is marked A. This arm A consists of a thin piece of metal thin enough to be flexible and of light weight, as shown in the drawings, and having an overturned lip B at its upper edge. The vertical bracket-carrying bars are marked C, and they are by preference T-shaped in horizontal section, as more particularly seen at Figs. 2 and 5. As shown, a pair of jaws D and D', respectively, operate in conjunction with the vertical bar C. By tightening nut E upon clamping-bolt F, which bolt passes through the jaws D D' and the rear end of bracket-arm A, interposed between them, the jaws are caused to firmly grip the bar C, and thereby hold the bracket-arm A in a horizontal position, and by loosening nut E the arm A may be moved in the direction of the inclined slot G upon the pin H, so that any one of the notches *a a' a'' a'''* formed on the inner curved end of the arm A may be shifted out of engagement with the pin or bolt F and be reengaged with the

pin or bolt F at any other required angle—
 such, for example, as the angle shown in dot-
 ted lines in Fig. 4. For the purpose of en-
 abling the parts to automatically separate
 5 from each other laterally when the screw-nut
 E is released the volute spring (shown by dot-
 ted lines *d d* in Figs. 3 and 4 and in detached
 plan and elevation in Figs. 6 and 7) is placed
 10 over the bolt F, so that when the pinching-
 nut E is released the tension of the volute
 spring *d* presses the adjacent parts asunder,
 while the spring itself becomes compressed
 when the said parts are pressed together by
 15 the tightening action of the nut E.

Although I have upon the annexed draw-
 ings shown the carrying-bars CC as of T shape
 in transverse section of the bars, yet it is to
 be understood that these bars may be any
 20 other which provides the requisite stiffness of
 the bar. For example, the transverse section
 may be triangular, or curved, or corrugated,
 or of other transverse section when the metal
 constituting the said bars is thick enough and
 25 broad enough to produce the requisite stiff-
 ness, and the parts of the jaws D and D'
 which engage with the bars CC are always
 formed or shaped to correspond with the shape

of the edges of the bars with which they en-
 gage. For the purpose of rendering the jaws 30
 D and D' stiff when formed of thin material
 they may be corrugated.

Having now described the nature of my said
 invention and the best system, mode, or man-
 35 ner I am at present acquainted with for put-
 ting the same into practical effect, I desire to
 observe in conclusion that what I consider to
 be novel and original, and therefore claim as
 the invention to be secured to me by Letters
 Patent, is as follows: 40

A shelf-bracket comprising an arm having
 a series of notches and an inclined slot in its
 rear end, said arm consisting of a plate of thin
 metal, clamping-jaws embracing the rear end
 of the arm, a pin pivoting the arm through 45
 said inclined slot to the jaws, and a clamping-
 bolt for the jaws, said bolt being adapted to
 engage either of said notches in the arm, sub-
 stantially as described.

In testimony whereof I have hereunto set 50
 my hand and seal in the presence of two sub-
 scribing witnesses.

VICTOR SJÖSTRÖM. [L. s.]

Witnesses:

ST. JOHN DAY,
 BEATRICE WILKINS.