United States Patent [19]

Shields

[11] **3,730,469**

[45] **May 1, 1973**

[54] **ADJUSTABLE DRAPERY SUPPORT WITH TWO MEANS OF VERTICAL ADJUSTMENT**

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[52] **U.S. Cl.** **248/265,** 248/258, 248/270, 248/287

[51] **Int. Cl.** **A47h 1/124**

[58] **Field of Search**.....248/258, 265, 270, 248/287

[56] **References Cited**

UNITED STATES PATENTS

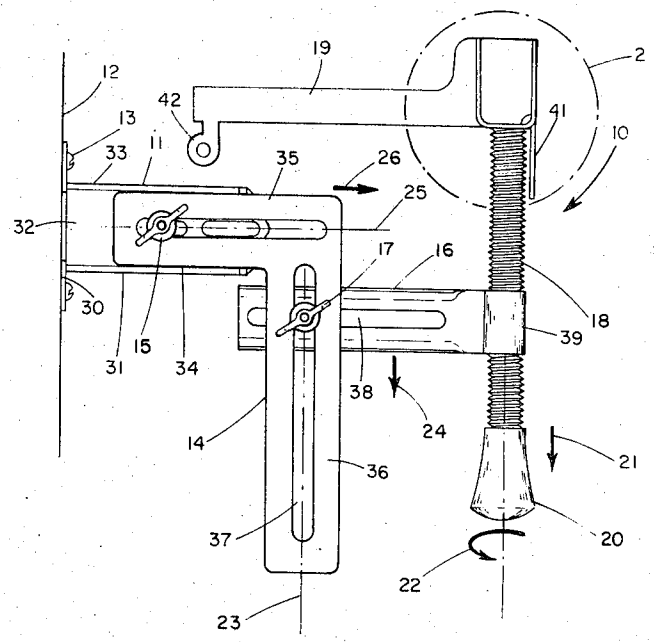
644,758	3/1900	Beck	248/265
2,894,710	7/1959	Shields	248/265

Primary Examiner—William H. Schultz
Attorney—C. David Emhardt

[57] **ABSTRACT**

A fixture for supporting draperies which allows for horizontal and vertical adjustment of the draperies. A wall bracket mountable to a wall has a horizontally extending plate member which adjustably receives a horizontal leg of an intermediate plate. The intermediate plate has a vertically extending leg with a vertically extending slot. An outer plate has a horizontally extending slot through which in conjunction with the vertical slot of the intermediate member a fastening device extends securing the outer plate to the intermediate plate. The intermediate plate is adjustable along the length of the vertical leg and has an outer threaded cylindrical end which is in meshing engagement with a screw threaded vertical shaft. A U-shaped wall which receives the drapery rod has a stem depending therefrom which is freely received in the hollow top end of the screw threaded shaft.

2 Claims, 2 Drawing Figures



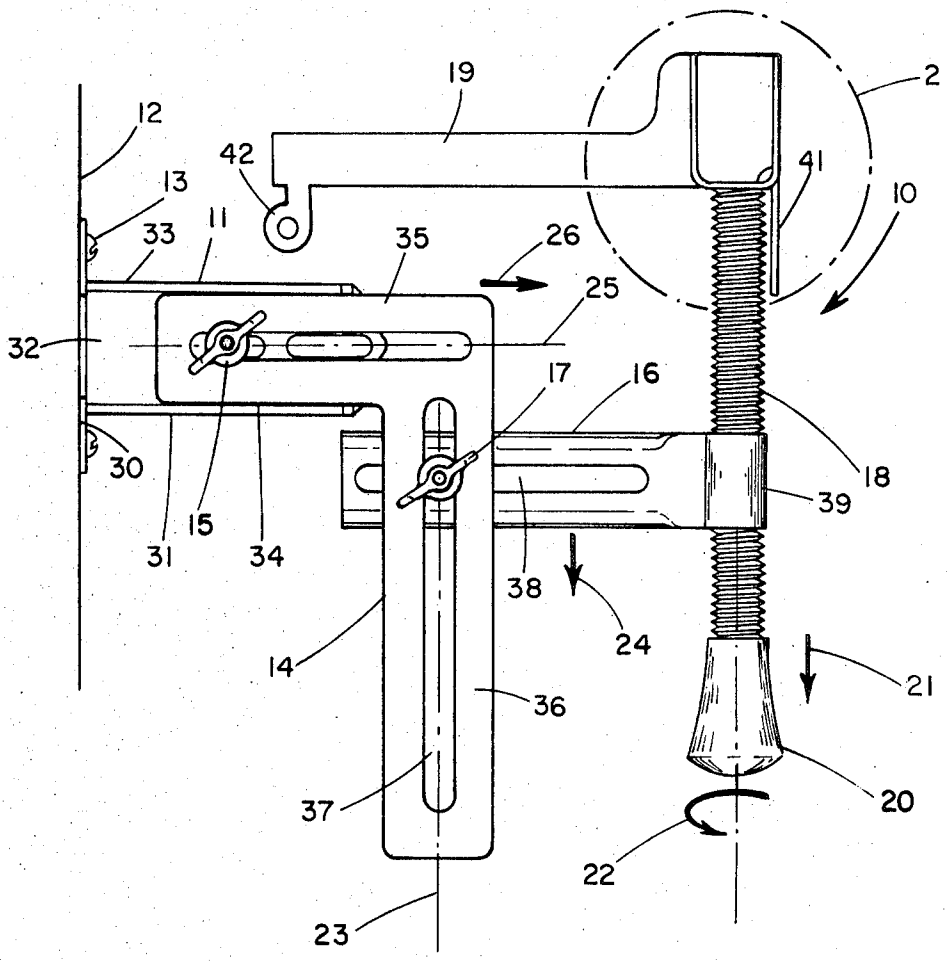

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FIG. 1

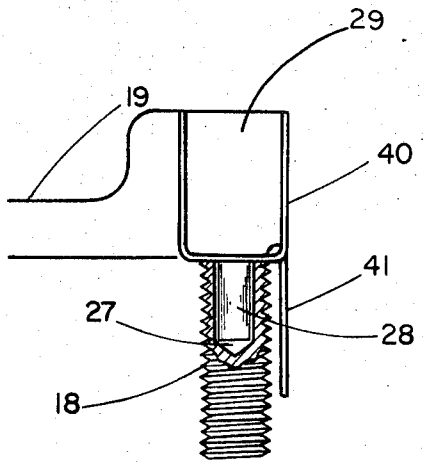

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FIG. 2

ADJUSTABLE DRAPERY SUPPORT WITH TWO MEANS OF VERTICAL ADJUSTMENT

BACKGROUND OF THE INVENTION

1. Field of the Invention

This invention is in the field of drapery fixtures.

2. Description of the Prior Art

In my U. S. Pat. No. 2,894,710, entitled ADJUSTABLE DRAPERY SUPPORT, I have disclosed a permanent fixture which allows for the quick and easy vertical and horizontal adjustment of draperies. Many draperies will shrink as a result of sunlight and cleaning. Since it is desirable to have the bottom edges of the draperies positioned immediately above the floor, the draperies must be lowered whenever shrinking occurs. Previous to my invention disclosed in the aforementioned patent, the drapery fixtures had to be removed from the wall and repositioned in a lower location. My prior invention allows the user to simply rotate a threaded shaft thereby lowering the draperies.

Since the introduction of my previous drapery support invention, I have discovered that a relatively long threaded shaft is necessary in order to provide for the necessary amount of lowering. Of course, the longer the threaded shaft, the more obvious and unattractive the fixture. Thus, I have disclosed herein a fixture which has two means for lowering the draperies while telescoping the fixture so as to not be large and apparent.

My previously mentioned fixture was designed primarily to receive relatively flat drapery rods and not cylindrical drapery rods. As a result, the fixture disclosed herein has been designed to receive both types of rods. In addition, ears have been provided at the top of the fixture to receive the drapery hanging pins so as to allow the drapery to wrap around the fixture thereby concealing the fixture.

SUMMARY OF THE INVENTION

One embodiment of the present invention is a drapery hanging fixture for supporting a drapery for adjustment vertically and horizontally continuously between relatively widely spaced limits comprising a wall bracket having an elongated vertical base member for attachment to a wall structure and a horizontally plate member formed integrally with the base member approximately midway between the ends thereof, the plate member has a vertical wall with a top horizontally projecting portion and a bottom horizontally projecting portion, an adjustable intermediate plate having a horizontally extending leg disposed adjacent the vertical wall forming an extension of the vertical wall and fitting snugly between the top portion and the bottom portion, the intermediate plate has a vertically extending leg integral with the horizontal leg with a vertically extending slot, a screw extending through the vertical wall of the wall bracket and the horizontal leg of the intermediate member, a nut threaded on the screw securing the horizontal leg to the vertical wall, an adjustable outer plate having an internally threaded outer cylindrical end and a horizontally extending slot, a screw threaded vertical shaft in meshing engagement with the outer cylindrical end and extending therethrough for adjustment in a vertical plane, said shaft having a hollow top end, a U-shaped wall opening upwardly for receiving a drapery rod and having a stem depending therefrom freely received by the hollow top end so the shaft may be rotated while the stem does not rotate but is carried vertically along with the shaft, and a second screw extending through the vertically extending slot of the intermediate plate and the horizontally extending slot of the outer plate, a nut threaded on the second screw securing the outer plate to the intermediate plate and being loosenable to allow the outer plate to be positioned at different locations from the top to the bottom of the vertically extending leg.

It is an object of the present invention to provide a new and improved adjustable drapery support.

Yet another object of the present invention is to provide an adjustable drapery support which allows for a relatively large amount of vertical adjustment of the draperies while providing a compact concealable drapery fixture.

Related objects and advantages of the present invention will be apparent from the following description.

BRIEF DESCRIPTION OF THE DRAWING

FIG. 1 is a side view of a drapery fixture incorporating the present invention.

FIG. 2 is an enlarged fragmentary view of the portion of the fixture enclosed by circle number two of FIG. 1.

DESCRIPTION OF THE PREFERRED EMBODIMENT

For the purposes of promoting an understanding of the principles of the invention, reference will now be made to the embodiment illustrated in the drawing and specific language will be used to describe the same. It will nevertheless be understood that no limitation of the scope of the invention is thereby intended, such alterations and further modifications in the illustrated device, and such further applications of the principles of the invention as illustrated therein being contemplated as would normally occur to one skilled in the art to which the invention relates.

Referring now more particularly to the drawing, there is shown a drapery hanging fixture **10** for supporting a drapery for adjustment vertically and horizontally continuously between relatively widely spaced limits. Fixture **10** is shown mounted to wall **12** with the drapery and rod removed therefrom for sake of clarity. Two fixtures **10** are required to support a single drapery rod with each fixture being positioned at the ends of the drapery rod. In many cases, an intermediate fixture would be located between the ends of the rod so as to prevent sagging of the rod due to the weight of the drapery.

Fixture **10** has a wall bracket **11** with an elongated vertical base member **30** attached to wall **12** by screws **13**. A horizontally extending plate member **31** is formed integrally with member **30** approximately midway between the ends of member **30**. Plate member **31** has a vertical wall **32** with a top horizontally projecting portion **33** and a bottom horizontally projecting portion **34**. An inverted L-shaped intermediate plate **14** is mounted to bracket **11**. Intermediate plate **14** has a horizontally extending leg **35** disposed adjacent vertical wall **32** forming an extension of the vertical wall. Leg **35** fits snugly between portions **33** and **34** so as to prevent rotation of the leg with respect to fastening device **15**. Plate **14** has a vertically extending leg **36**

with a vertically extending slot **37** extending lengthwise along the leg with the central axis **23** of the leg.

Horizontal leg **35** is provided with a horizontally extending slot so as to allow adjustment of the intermediate member with respect to the wall bracket. In addition, the wall bracket is provided with a pair of slots either of which will receive the fastening device **15**. Thus, to move the draperies toward wall **12**, device **15** may be unloosened and the intermediate plate member may be moved towards the wall. The fastening device may then be tightened. The fastening device includes a screw which extends through the vertical wall of bracket **11** and through the horizontal leg of the intermediate member **14**. A wing nut is then threaded on the screw securing the horizontal leg to the vertical wall.

An adjustable outer plate **16** has a horizontally extending slot **38** and an internally threaded outer cylindrical end **39**. A fastening device **17** secures outer plate **16** to the intermediate plate **14**. Fastening device **17** includes a screw extending through vertical slot **37** and horizontal slot **38** and a nut which is threaded on the screw so as to secure the outer plate to the intermediate plate. The wing nut may be loosened so as to allow the outer plate to be positioned at different locations from the top to the bottom of leg **36**. Thus, fastening device **17** may be loosened and the outer plate may be moved in the direction of or opposite of arrow **24**. Simultaneously, the outer plate may be moved in the direction of or opposite to arrow **26**.

A screw threaded vertical shaft **18** is in meshing engagement with end **39** and extends through the end for adjustment of the draperies in a vertical plane. Shaft **18** has a hollow top end **27** which freely receives stem **28**. A U-shaped wall **40** which opens upwardly for receiving a drapery rod has stem **28** depending therefrom. Stem **28** is of smaller diameter than the hollow interior **27** and thus, shaft **18** may be rotated while the stem **28** does not rotate but instead is carried vertically along with shaft **18**. The drapery rod may be positioned within space **29** formed by the U-shaped wall **40**. A knob **20** is mounted to the bottom end of shaft **18** to allow for ease of rotating shaft **18**.

To operate fixture **10**, the wall bracket is mounted to the wall and plate **16** is positioned at the top of slot **37** as shown in FIG. **1**. In addition, shaft **18** is threaded to its most upward position. Whenever it is desired to lower the drapery, shaft **18** may be rotated in the direction of arrow **22** so as to lower the drapery rod in the direction of arrow **21**. Additional lowering of the drapery rod may be achieved by loosening fastening device **17** and moving outer plate **16** to the lower end of slot **37**. Likewise, intermediate plate **14** may be moved either inward or outward with respect to the wall along axis **25** of the vertical leg **35**.

Ear **41** and ear **42** are provided each having a hole to receive a drapery hanging pin thereby allowing the drapery to wrap around the fixture for concealment purposes. Ear **41** has a drapery pin hole identical with the drapery pin hole shown for ear **42**. Ear **41** extends vertically downward from the U-shaped wall **40** and is integrally attached thereto. Wall **19** is parallel with intermediate plate **14** and outer plate **16** and is integrally connected to U-shaped wall **40**. Ear **42** extends downwardly from wall **19** being integrally attached thereto.

While the invention has been illustrated and described in detail in the drawings and foregoing description, the same is to be considered as illustrative and not restrictive in character, it being understood that only the preferred embodiment has been shown and described and that all changes and modifications that come within the spirit of the invention and the scope of the claims are also desired to be protected.

The invention claimed is:

1. A drapery hanging fixture for supporting a drapery for adjustment vertically and horizontally continuously between relatively widely spaced limits comprising:

a wall bracket having an elongated vertical base member for attachment to a wall structure and a horizontally extending plate member formed integrally with said base member approximately midway between the ends thereof, said plate member having a vertical wall with a top horizontally projecting portion and a bottom horizontally projecting portion;

an adjustable intermediate plate having a horizontally extending leg disposed adjacent said vertical wall forming an extension of said vertical wall and fitting snugly between said top portion and said bottom portion, said intermediate plate having a vertically extending leg integral with said horizontal leg with a vertically extending slot;

a screw extending through said vertical wall of said wall bracket and said horizontal leg of said intermediate member;

a nut threaded on said screw securing said horizontal leg to said vertical wall;

an adjustable outer plate having an internally threaded outer cylindrical end and a horizontally extending slot;

a screw threaded vertical shaft in meshing engagement with said outer cylindrical end and extending therethrough for adjustment in a vertical plane, said shaft having a hollow top end;

a U-shaped wall opening upwardly for receiving a drapery rod and having a stem depending therefrom freely received by said hollow top end so said shaft may be rotated while said stem does not rotate but is carried vertically along with said shaft;

a second screw extending through said vertically extending slot of said intermediate plate and said horizontally extending slot of said outer plate, a nut threaded on said second screw securing said outer plate to said intermediate member and being loosenable to allow said outer plate to be positioned at different locations from the top to the bottom of said vertically extending leg.

2. The fixture of claim **1** and further comprising:

an ear with a drapery pin hole therein extending vertically downward from said U-shaped wall to receive a drapery hanging pin; and,

a wall parallel with said intermediate plate and said outer plate integrally connected to said U-shaped wall and extending toward said wall bracket with a depending ear having a drapery pin hole to receive a drapery hanging pin.

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