

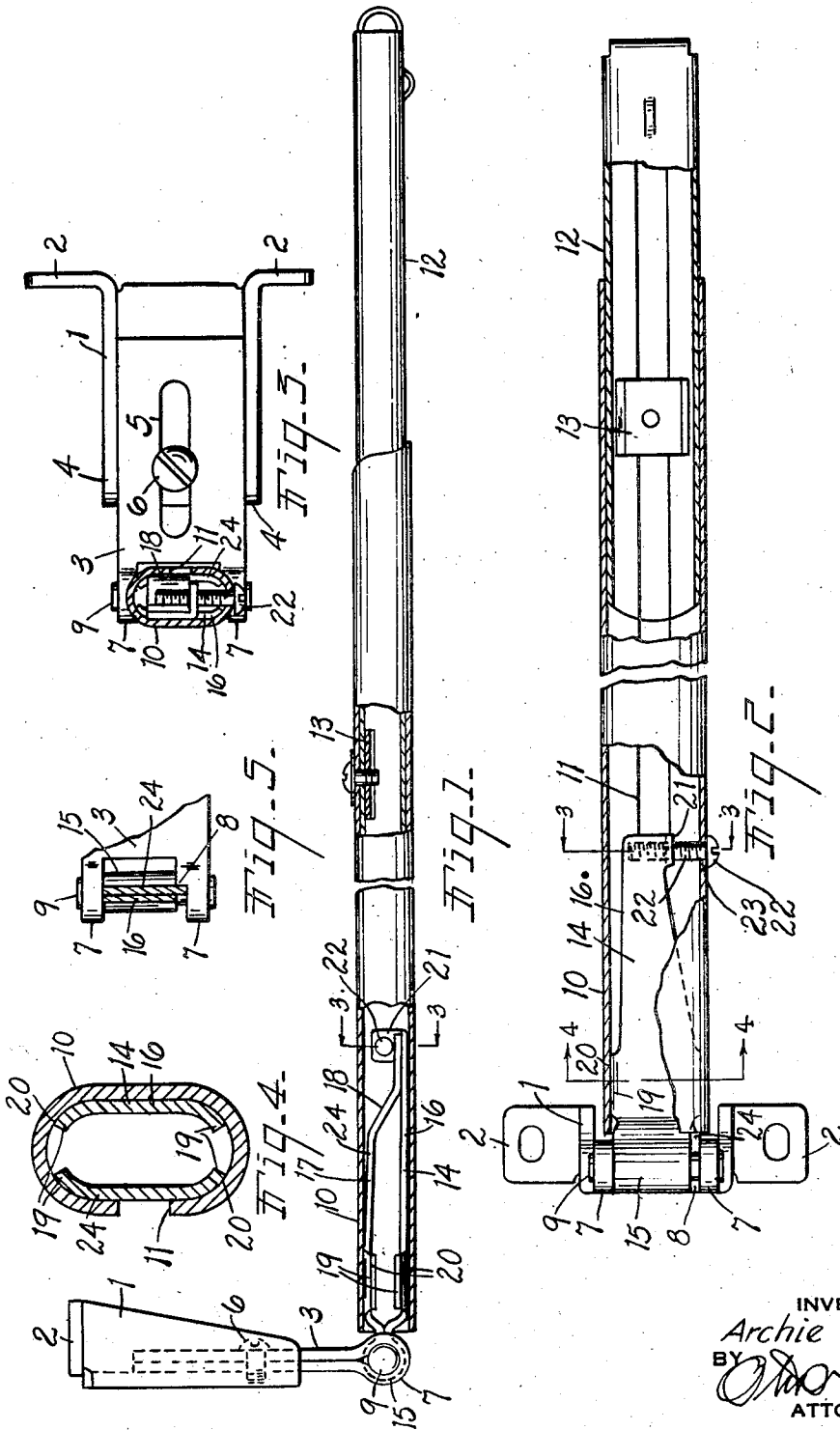
May 3, 1949.

A. A. ALLEN

2,469,098

CURTAIN OR DRAPERY FIXTURE

Filed Jan. 16, 1946



INVENTOR
Archie A. Allen
BY *Earl*
ATTORNEY

UNITED STATES PATENT OFFICE

2,469,098

CURTAIN OR DRAPERY FIXTURE

Archie A. Allen, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich., a corporation of Michigan

Application January 16, 1946, Serial No. 641,476

7 Claims. (Cl. 211—105.2)

1

This invention relates to improvements in curtain or drapery fixtures.

The main objects of this invention are:

First, to provide a curtain or drapery fixture of the crane type in which the rod is supported to swing in a generally horizontal plane and for tilting adjustment to swing in the plane to which it is adjusted throughout its swinging movement.

Second, to provide a curtain or drapery fixture having these advantages which is adapted to support curtain or drapery rods of widely used type.

Third, to provide a structure having these advantages in which the curtain rod and its supporting arm have frictional telescoping engagement, greatly facilitating the assembling and disassembling of the parts.

Fourth, to provide a structure of this character which is very simple and economical.

Objects relating to details and economies of the invention will appear from the description to follow. The invention is defined and pointed out in the claims.

A preferred embodiment of the invention is illustrated in the accompanying drawing, in which:

Fig. 1 is a fragmentary plan view of a structure embodying the invention, the rod being shown partially in longitudinal section and partially broken away.

Fig. 2 is an enlarged fragmentary front elevation with the curtain rod partially in longitudinal section and partially broken away.

Fig. 3 is a transverse section on line 3—3 of Fig. 2.

Fig. 4 is a transverse section on line 4—4 of Fig. 2.

Fig. 5 is an enlarged fragmentary view showing structural details and the pivotal mounting for the rod supporting arm.

In the embodiment illustrated in the accompanying drawing, the supporting bracket comprises the base member 1 formed as a sheet metal stamping and of channel section, the flanges terminating in laterally turned attaching ears 2. The adjustable section 3 is disposed between the flanges 4 of the base member and is longitudinally slotted at 5 to receive the screw 6 which enables the bracket being extended to the desired length—of course within its limits of adjustment.

The outer or adjustable section 3 is provided with pivot ears 7 at its outer end, one of these ears being provided with a stop 8. These ears carry the vertically disposed pin or pintle 9.

The curtain rod 10 is formed of springable sheet metal and is of oval cross section, having a longitudinal slot 11 on its inner side. This rod

2

illustrated includes an adjustable section 12 secured in adjusted positions by means of the clamp 13. This extension feature, however, forms no part of the present invention. The rod is in telescoping engagement with the bracket designated generally by the numeral 14 which has an eye 15 receiving the pivot 9.

In the embodiment illustrated, the arm 24 is formed of a piece of sheet metal folded upon itself and conformed to provide the eye 15 and a straight outer arm 16 which is in internal supporting engagement with the front side of the rod and the arm 17 which engages through a part of its length the inner side of the inner wall of the rod, the outer end of the arm 17 being offset at 18 to engage the inner side of the member 16.

These inner and outer arm members have enlargements 19 at their inner ends which are cross sectionally conformed to fit within the rod and provide fulcruming shoulders 20 on which the rod is tiltingly adjustable.

The arm member 16 has a lug 21 turned inwardly from its outer end and threaded to receive the screw 22 arranged in a hole 23 in the bottom of the rod. This screw provides means for tiltingly adjusting the rod on the arm and supporting it in its adjusted positions.

In assembling, it is only necessary to push the inner end of the rod upon the arm—as stated, the rod and the arm having a frictional telescoping engagement. Inasmuch as the rod is of springable material, it can be a close frictional retaining fit and still permit the desired tilting. However, the screw 22 serves the double purpose of lockingly retaining the rod upon the arm and provides means for its vertical adjustment and support in its vertical adjustment. The rod is supported so that it swings throughout its movement which may be the full 180° provided there are no obstructions in the plane to which it is adjusted.

The stop 8 is provided so that the arm cannot be swung beyond the right angle relation to the bracket as shown in Fig. 1. The adjustments can be made after the curtain or drapery is placed on the rod, the curtain or drapery being pushed back from the bracket far enough to permit access to the screw. This adjustment is very simple and can readily be made by an inexperienced person.

I have illustrated and described my invention in a highly practical embodiment thereof. I have not attempted to illustrate or describe certain modifications and adaptations which I contemplate as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

3

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:

1. In a curtain or drapery fixture, the combination with a curtain rod of springable material and of oval cross section having a longitudinal slot in one side thereof, of a bracket adapted for attachment to a support, a rod supporting arm pivotally mounted on said bracket for horizontal swinging movement and comprising front and rear members having opposed enlargements adjacent the pivotal connection thereof fittingly and frictionally engaged within the rod and constituting fulcrum elements on which the rod may be vertically tilted, the front arm being substantially straight and in internal supporting engagement with the outer side of the rod, the rear arm being forwardly offset at its inner end to springably engage the inner side of the front arm, the front arm having a laterally turned lug at its inner end constituting a nut, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said lug whereby the rod is supported for vertical tilting adjustment on said arm by adjustment of said screw.

2. In a curtain or drapery fixture, the combination with a curtain rod of springable material and of oval cross section having a longitudinal slot in one side thereof, of a bracket adapted for attachment to a support, a rod supporting arm pivotally mounted on said bracket for horizontal swinging movement and comprising front and rear members having opposed enlargements adjacent the pivotal connection thereof fittingly and frictionally engaged within the rod and constituting fulcrum elements on which the rod may be vertically tilted, one of the arms being substantially straight and in internal supporting engagement with a side of the rod, the other arm being offset at its inner end to springably engage the inner side of the straight arm, one arm having a laterally turned lug constituting a nut, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said lug whereby the rod is supported for vertical tilting adjustment on said arm by engagement of the head of the screw with the underside of the rod.

3. In a curtain or drapery fixture, the combination with a tubular rod and a supporting bracket therefor, of a rod supporting arm swingably mounted on said bracket and comprising front and rear members having opposed enlargements adjacent to the swingable connection thereof frictionally engaged within the rod for supporting the rod for vertical tilting adjustment, one of said members being substantially straight and in side supporting engagement with the rod, the other being laterally offset at its inner end to sup-

4

portingly engage the first mentioned arm, the first mentioned arm having a portion constituting a nut, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said nut whereby the rod is supported for vertical tilting adjustment on the arm.

4. In a curtain or drapery fixture, the combination with a tubular rod and a supporting bracket therefor, of a rod supporting arm swingably mounted on said bracket and comprising front and rear members having opposed enlargements adjacent to the swingable connection thereof frictionally engaged within the rod for supporting the rod for vertical tilting adjustment, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said arm whereby the rod is supported for vertical tilting adjustment on the arm.

5. In a curtain or drapery fixture, the combination with a tubular rod and a bracket for supporting the rod, of an arm mounted on said bracket for horizontal swinging movement telescoped within said rod and having a fulcrum element adjacent to the swingable connection thereof on which the rod may be vertically tilted, and a screw disposed through an opening in the bottom of the rod and having threaded engagement with said arm for supporting said rod on the arm for vertical tilting adjustment.

6. In a curtain rod or drapery fixture, the combination of a tubular rod, a horizontally swingable bracket arm having telescoped engagement within said rod, the inner end of the rod having fulcrum means for vertically tiltable engagement with the inner end of the bracket arm, and an adjusting screw having threaded engagement with the outer end of the bracket arm and supporting engagement with the rod for tiltingly adjusting the rod on its fulcrum on said arm.

7. In a curtain drapery fixture, the combination of a tubular rod, a bracket arm projecting into said tubular rod and providing a fulcrum therefor, and a screw carried by said arm and supportingly engaging said rod for vertical tilting adjustment of the rod on its fulcrum on said bracket arm.

ARCHIE A. ALLEN.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,138,336	Weitzel	May 4, 1915
1,805,793	Wittmann	May 19, 1931
2,210,982	Lemle	Aug. 13, 1940
2,334,809	Davis, Jr.	Nov. 23, 1943
2,364,275	Davis, Jr.	Dec. 5, 1944
2,386,691	Keahey	Oct. 9, 1945