No. 804,491. PATENTED NOV. 14, 1905.

F. E. MILLER.

DEVICE FOR HANGING PICTURES AND THE LIKE.

APPLICATION FILED AUG. 15, 1904.

Fig. 1.

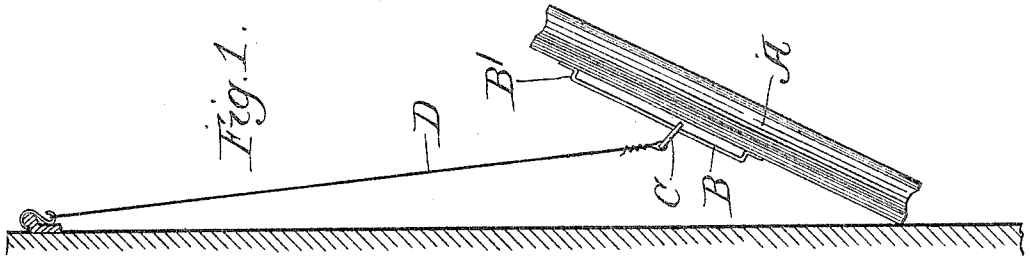


Fig. 2.

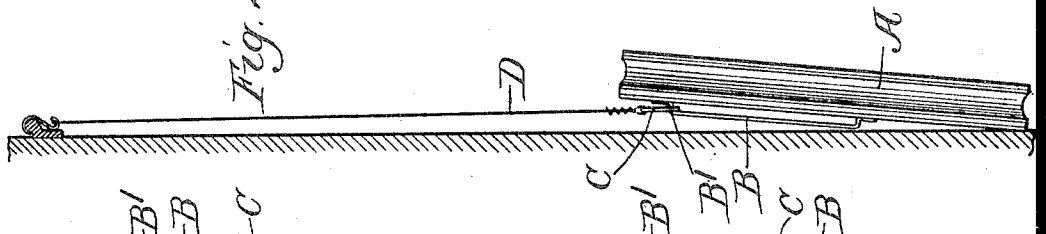


Fig. 3.

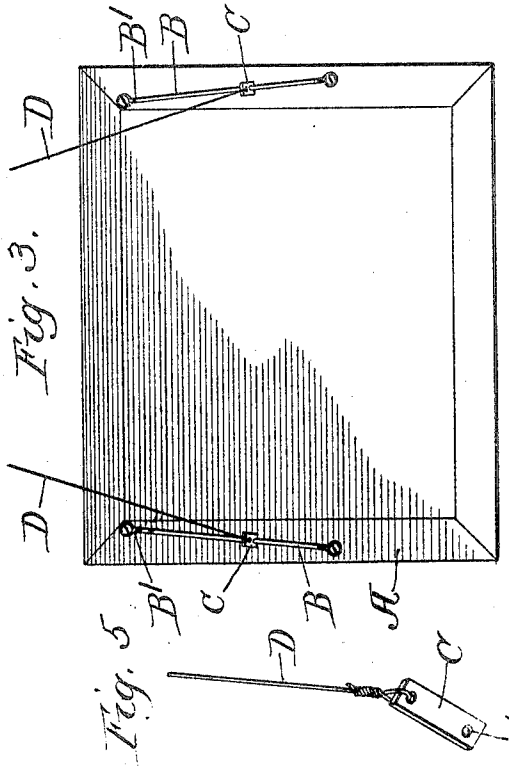


Fig. 4.

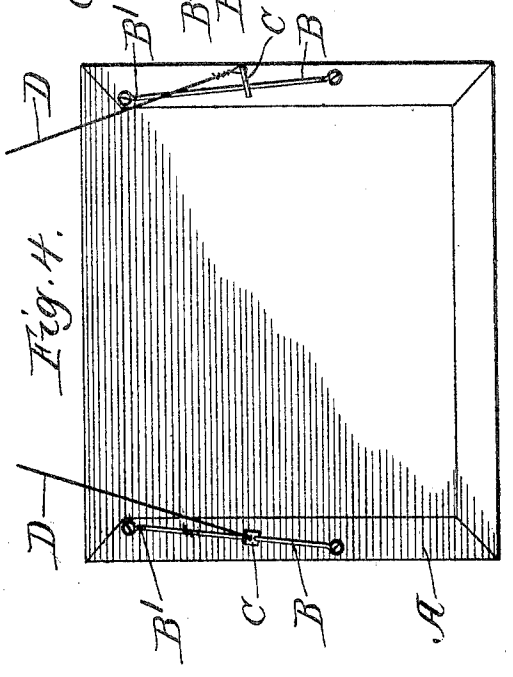


Fig. 5

Witnesses.
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UNITED STATES PATENT OFFICE.

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DEVICE FOR HANGING PICTURES AND THE LIKE.

No. 804,491. Specification of Letters Patent. Patented Nov. 14, 1905.

Application filed August 15, 1904. Serial No. 220,784.

To all whom it may concern:

Be it known that I, FREDERICK E. MILLER, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Devices for Hanging Pictures and the Like, of which the following is a specification.

My invention relates to devices for hanging pictures and the like, and has for its object to provide a new and improved device for this purpose.

My invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a side view showing a picture-frame with my invention applied thereto. Fig. 2 is a similar view showing the parts in a different position. Fig. 3 is a rear view of the picture-frame. Fig. 4 is a view similar to Fig. 3, showing one form of adjustment. Fig. 5 is a view showing one of the adjusting-pieces.

Like letters refer to like parts throughout the several figures.

One of the objects of my invention is to provide a device by means of which picture-frames and the like may be properly supported.

As illustrated in the drawings, I attach to the back of the frame A, at each side thereof, a rod or guide B. These rods may be fastened in position in any desired manner and as herein shown are formed at their ends with an angular end piece B′, so that there will be a free space between the main portion of the rod and the frame. These rods are preferably inclined with relation to the edges of the frame. Associated with each rod is an adjustable engaging piece C. Each of these pieces is provided with a hole C′, into which fits the rod B, and the suspending-cord D is connected to said adjustable engaging piece. The opening C′ is preferably slightly larger than the rod, so that the engaging piece may be slid therealong. When tension is put upon the supporting-cord, the engaging pieces are tilted, so as to grip the rods B and be held firmly in place. Under these conditions the adjustable engaging pieces remain fixed and the frame will be supported by them. When it is desired to adjust these pieces, the tension on the cord must be relieved or they must be moved, so as to remove the binding action, and may then be slid up or down. When tension is again applied to the cord, they will bind the rods and hold the frame in position. If, for example, it is desired to change the inclination of the frame, this may be easily and quickly done by sliding the adjustable engaging pieces up or down along the rods B. If they are moved upwardly, the angle between the frame and the wall is lessened, while if they are moved downwardly this angle is increased. This arrangement may be used in connection with a single suspending-cord looped over a support, or when two separate suspending-cords are used one is attached to each side of the frame. If the top edge of the frame is not horizontal, for example, and it is desired to straighten it up, this may be done by simply moving one of the adjustable devices until the proper result is secured. If the inclination is but slight, the frame may be straightened up by rotating one of the engaging pieces about the rod, so that it takes the position shown on the right in Fig. 4. When it is desired to have the frame hang substantially flat against the wall, the adjustable engaging pieces are moved up to the ends of the rods, so as to engage the angular pieces B′, as shown in Fig. 2. The adjustable engaging pieces C are preferably placed upon the rods B while they are straight, said rods being subsequently bent to form the angular pieces B′.

It will be seen that by this construction a simple, cheap, and efficient means is provided for hanging picture-frames and the like and by means of which such frames can be easily and quickly adjusted to any desired position.

I have described in detail a particular construction embodying my invention; but it is of course evident that the parts may be varied in form, construction, and arrangement without departing from the spirit of my invention, and I therefore do not limit myself to the particular construction shown.

I have used the terms "picture" and "picture-frame" in the specification and claims for purposes of convenience, for I use such terms in their broad sense to comprehend and include frames and devices of all kinds which are customarily hung upon the wall.

When it is desired to have the frame hang against the wall, the engaging pieces are moved so as to be substantially parallel with the rod, as shown, for example, in Fig. 2. This position of the frame is made possible by the fact that the rods B run a considerable distance above the center of the frame. The inclining of the rods inwardly from the bottom

toward the top tends to relieve the strain on the engaging pieces and assists in permitting the engaging pieces to project in any direction therefrom. This is particularly true when a single cord is brought together at the suspending end, so that the two branches are inclined—in other words, when the cord is V-shaped when in position.

I claim—

1. The combination with a picture-frame of a substantially smooth rod connected thereto, an adjustable supporting engaging device slidably and rotatably mounted upon said rod, a suspending-cord fixed at one end to said adjustable engaging device so as to tilt it and cause it to engage the rod when tension is applied to said suspending-cord the frame adapted to be adjusted by moving the engaging device along the rod, the finer adjustments being made by rotating the engaging device about the rod.

2. The combination with a picture-frame of a rod connected thereto, a slidable adjustable engaging piece provided with a hole into which said rod is received, a suspending-cord connected with said adjustable engaging piece at one side of said hole and adapted to tilt the piece when the frame is suspended thereon so as to cause it to grip said rod and retain its position thereon, said engaging piece free to swing about said rod so as to adjust the length of the cord without longitudinal movement along the rod.

3. The combination with a picture-frame of two rods connected thereto, one at each side of the frame, an adjustable engaging device associated with each rod and consisting of a flat piece having a hole therethrough into which the rod is received, said hole slightly larger than the rod, a suspending-cord adapted to be connected with said adjustable engaging pieces at one side of the holes through which the rods pass, the parts arranged so that the weight of the device causes the flat engaging pieces to be tilted to grip the rods at the points where they pass through the said pieces, so as to support the frame said engaging pieces adapted to be rotated about said rods so as to project in different directions therefrom and to be held in any of these various positions.

FREDERICK E. MILLER.

In presence of—

FRED. G. FISCHER,

LUCY A. FALKENBERG.