No. 885,172. PATENTED APR. 21, 1908.

H. N. PATRICK.

PICTURE HANGER.

APPLICATION FILED APR. 19, 1907.

2 SHEETS—SHEET 1.

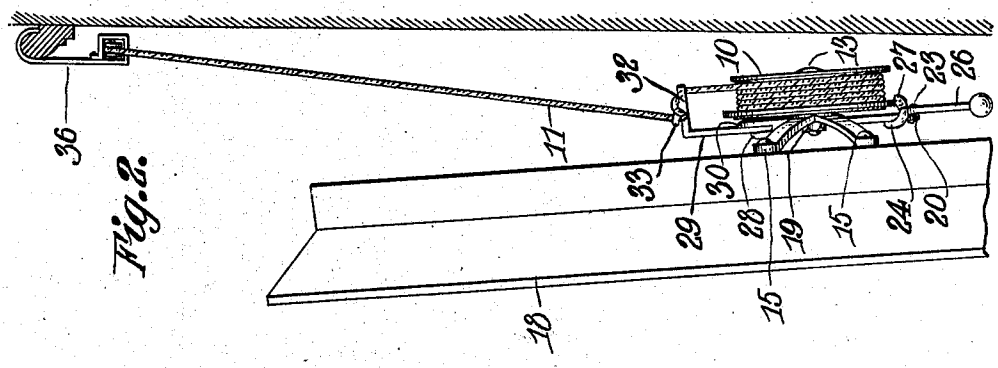


Fig. 2.

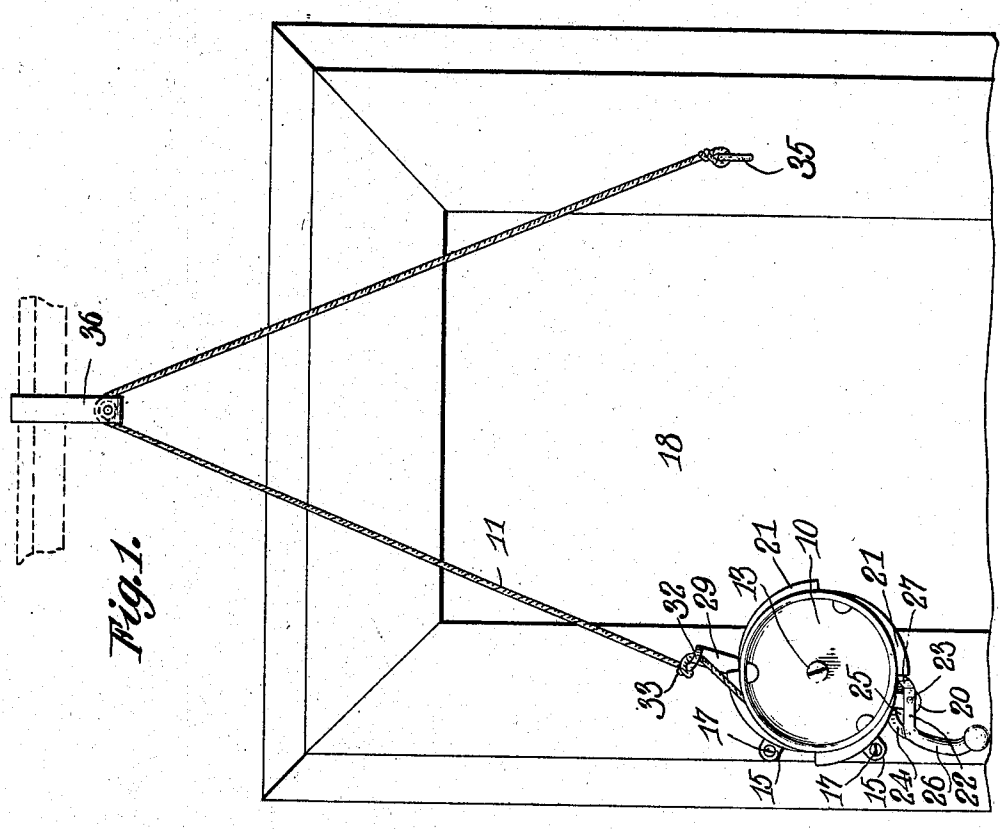


Fig. 1.

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2 SHEETS—SHEET 2.

Fig. 3.

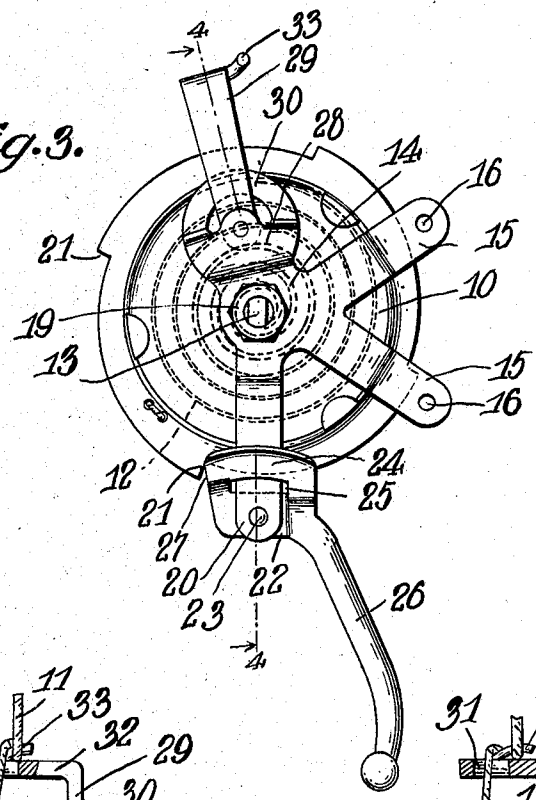


Fig. 6.

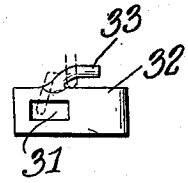


Fig. 5.

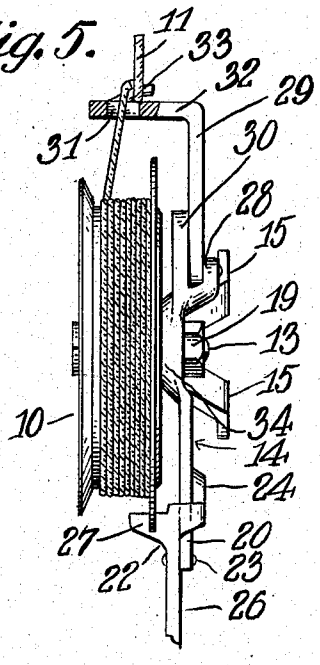
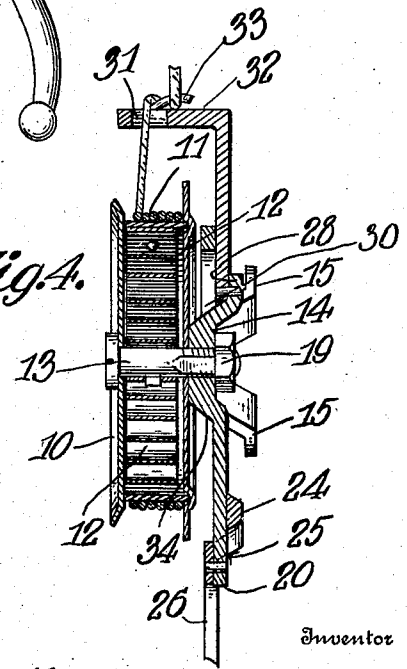


Fig. 4.



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UNITED STATES PATENT OFFICE.

HOMER NATHANIEL PATRICK, OF SHEFFIELD, ALABAMA.

PICTURE-HANGER.

No. 885,172. Specification of Letters Patent. Patented April 21, 1908.

Application filed April 19, 1907. Serial No. 369,108.

To all whom it may concern:

Be it known that I, HOMER N. PATRICK, a citizen of the United States, residing at Sheffield, in the county of Colbert and State of Alabama, have invented certain new and useful Improvements in Picture-Hangers, of which the following is a specification.

This invention is a picture-hanger, and has for its object to provide an improved device of this kind comprising a spring-drum on which the picture-cord or wire is wound, and means for holding the parts at adjustment. There is also provided a movable cord-guide which is free to move with the cord to prevent wear thereof.

In the accompanying drawing, Figure 1 is a rear elevation showing the application of the invention. Fig. 2 is an end view. Fig. 3 is a bottom plan view of the device removed from the picture-frame. Fig. 4 is a vertical section on the line 4—4 of Fig. 3. Fig. 5 is an edge view. Fig. 6 is a detail of the cord-holder hereinafter referred to.

Referring specifically to the drawings, 10 denotes a drum on which the picture-cord or wire 11 is wound. The drum-barrel is hollow and contains a spring 12 for winding up the cord. The axle 13 on which the drum turns is mounted in a base 14 having laterally projecting arms 15 provided with holes 16 to receive screws 17 whereby the device is fastened to the back of a picture-frame 18 as shown in Figs. 1 and 2. The arms 15 project beyond the heads of the drum, and the screw-holes are made in the projecting ends in order that they may be conveniently reached. To prevent turning of the axle, that portion of it which seats in the base is flattened on opposite sides, and the hole in the base receiving said flattened portion is shaped accordingly. The axle extends through the base and outside the same is threaded to receive a fastening nut 19. If desired the axle may be formed integral with the base.

The base is formed with a projecting arm 20 to which is pivoted a dog which engages a ratchet 21 on the periphery of the rear drum-head. The dog comprises a head 22 which is pivoted to the arm 20 as indicated at 23, and has an offset portion 24 provided with an opening 25 through which the arm 20 passes. On one side of the pivot the dog has an operating lever 26, and on the other side is a nose 27 which engages the ratchet. The weight of the lever normally holds the dog in engagement with the ratchet.

At a point substantially diametrically opposite the arm 20, the base has a lug 28 to which an arm 29 carrying a cord-guide is pivoted. In front of the lug, the base has a semi-circular projection 30 over which the arm swings and which braces it. The cord is guided by passing it through an opening 31 formed in a lateral bend 32 at the free end of the arm 29, said opening being located above the barrel of the drum. On one side of the bend is a projecting hooked finger 33 for a purpose to be hereinafter described.

Adjacent the axle 13, the base has a raised surface 34 which is in contact with the rear drum-head to steady it and also to space from it the arms 15, 20 and 29.

In use, the drum will be fastened to the back of the picture-frame on one side thereof in the manner already described. The free end of the cord or wire is fastened to the opposite side of the picture-frame as indicated at 35 in Fig. 1. The picture is hung by passing the cord over a molding-hook 36. The cord is held wound on the drum by its spring, and the drum is held by the dog in the direction to unwind. To lower the picture, the dog is released whereupon the cord can be unwound. After the desired adjustment is had the dog is engaged with the ratchet which holds the parts at adjustment. To raise the picture it is only necessary to lift it, whereupon the cord is automatically wound on the drum, the dog slipping over the ratchet-teeth and permitting the drum to turn. Upon releasing the picture the dog automatically swings back into engagement with the ratchet and holds the parts at adjustment. The cord-guide swings with the cord and thus prevents wear thereof. Upon taking down the picture for any purpose the cord will be placed under the finger 33 as shown in Fig. 5 which clamps it to the guide and prevents it from being wound or unwound. The picture can then be at once replaced to its original position without the trouble of again adjusting it. The finger is also useful for holding the cord after the desired adjustment is made.

I claim:—

1. A picture-hanger comprising a base, a spring-actuated drum mounted thereon and having a ratchet, a pivoted dog on the base engageable with the ratchet, and a cord-

guide pivoted to the base to swing with the cord, the pivot of the cord-guide being parallel to the axis of the drum.

2. A picture-hanger comprising a base, a spring-actuated drum thereon having a ratchet, an arm projecting from the base, and a pawl engageable with the ratchet, said pawl comprising a head which is pivoted to the arm and has an offset portion provided with an opening through which the arm passes, and an operating lever projecting from the head on one side of its pivot.

In testimony whereof I affix my signature, in presence of two witnesses.

HOMER NATHANIEL PATRICK.

Witnesses:
B. S. LOUCH,
H. C. MAYES.