

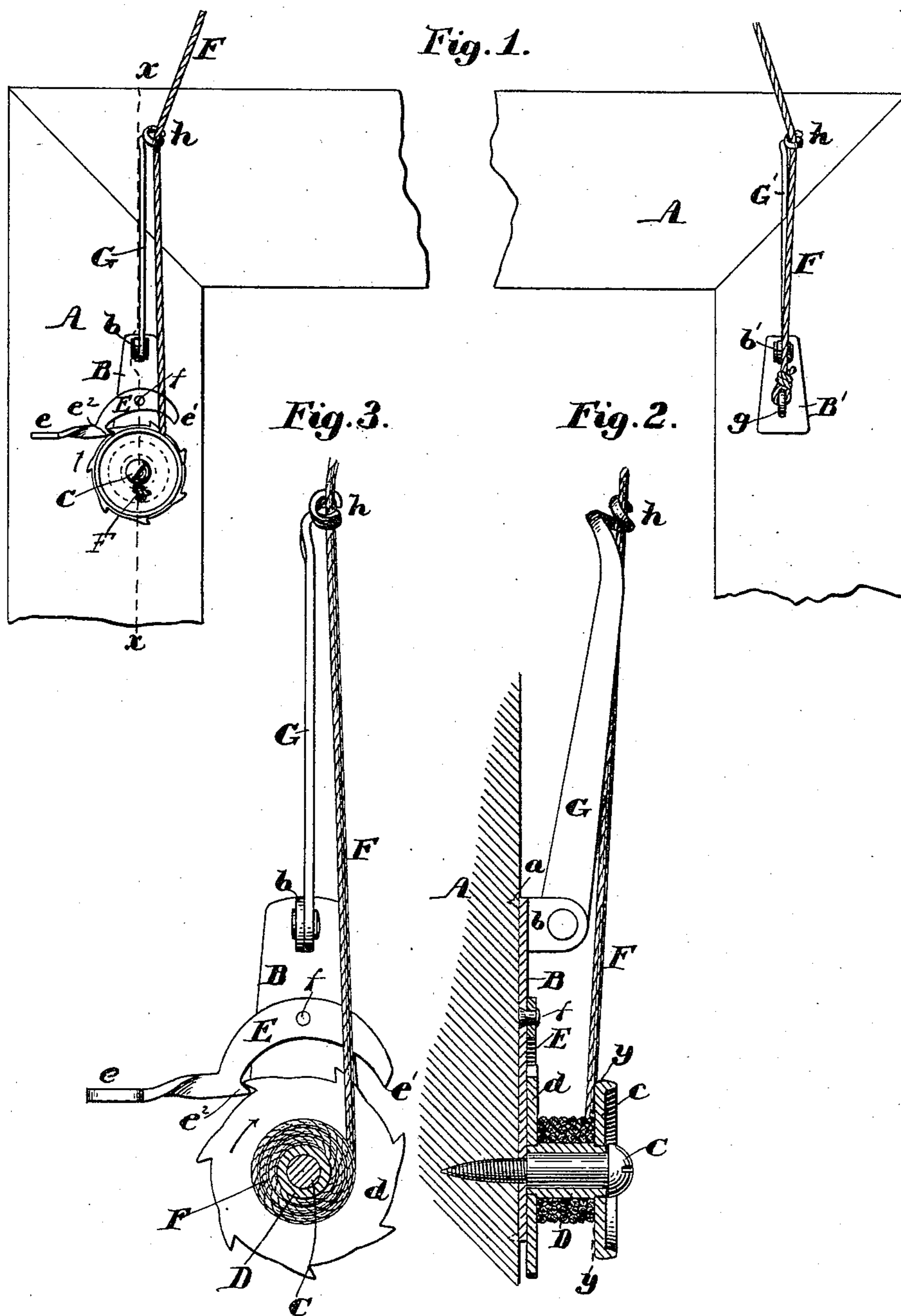
(No Model.)

F. H. GÉNÉREUX.

DEVICE FOR HANGING AND ADJUSTING PICTURE FRAMES.

No. 582,278.

Patented May 11, 1897.



Witnesses:
Walter E. Lombard.
Geo. L. Cook.

Inventor:
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UNITED STATES PATENT OFFICE.

FRANÇOIS H. GÉNÉREUX, OF SALEM, MASSACHUSETTS, ASSIGNOR OF TWO-THIRDS TO ARMAND MIGNAULT AND LOUIS JONCAS, OF SAME PLACE.

DEVICE FOR HANGING AND ADJUSTING PICTURE-FRAMES.

SPECIFICATION forming part of Letters Patent No. 582,278, dated May 11, 1897.

Application filed September 26, 1896. Serial No. 607,019. (No model.)

To all whom it may concern:

Be it known that I, FRANÇOIS H. GÉNÉREUX, of Salem, in the county of Essex and State of Massachusetts, have invented certain

new and useful Improvements in Devices for Hanging and Adjusting Picture-Frames, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention relates to devices for hanging and adjusting picture-frames; and it consists in certain novel features of construction, arrangement, and combination of parts, which will be readily understood by reference to the description of the accompanying drawings and to the claims hereto appended and in which my invention is clearly pointed out.

Figure 1 of the drawings is a rear or back side elevation of a portion of a picture-frame with my invention applied thereto. Fig. 2 is a section on line *xx* on Fig. 1, drawn to an enlarged scale; and Fig. 3 is a sectional elevation of the device attached to the left side of the frame as viewed in Fig. 1, the cutting-plane being on line *yy* on Fig. 2.

In the drawings, A is the picture-frame, which may be of any size or shape.

B is a metal plate provided with a spur *a*, the ear *b*, and a perforation to receive the screw C, by which it is secured in a fixed position to the rear of the frame, preferably at the left side of Fig. 1. The screw C has formed thereon a journal-bearing, upon which is mounted, so as to be revoluble thereon, the drum D, the periphery of the outer flange *c* of which is milled to serve as a means for revolving said drum when desired. The inner flange *d* of said drum D has formed upon its periphery a series of ratchet-teeth to form an escapement-wheel with which the escapement-lever E coöperates to control the letting off of the cord F from the drum D when it is desired to lower the picture.

The lever E is provided at the outer end of its long arm with the flat expanded portion *e* to receive the thumb or finger for operating the same, with the pawl-like point *e'* at its inner end and the stop-tooth *e²* between its pivot-pin *f*, by which it is secured to the plate B and the portion *e*, said point *e'* and tooth *e²* being at such a distance from each other and so arranged relative to the teeth of the es-

capement-wheel *d* and the pivotal axis of said lever E that when one of said contact-points is in engagement with a tooth of the escapement-wheel *d* the other contact-point will be out of the path of revolution of the teeth of the escapement-wheel, as shown in Fig. 3.

G is an arm pivoted to the ear *b* by a clamping-rivet so as to create sufficient friction between said ear and arm to hold said arm at any desired angle to the frame to which it may be adjusted.

A plate B', similar to the upper portion of the plate B, is secured to the side of the frame A opposite to the plate B by means of a spur (not shown) and the screw-eye *g*, said plate being provided with the ear *b'*, to which is pivotally clamped the arm G' in the same manner that the arm G is clamped to the ear *b* of the plate B.

The upper or movable ends of the arms G and G' are each provided with a cord-guiding eye, which may be of any desired construction, but preferably formed by bending the end of said arm into a spiral *h*, as shown.

The picture-hanging cord F is firmly knotted at one end to the screw-eye *g*, is passed through the eyes *h* at the upper ends of the arms G' and G, has its other end passed through a hole in the outer flange *c* of the drum D, and has a knot tied in its end. The cord F is then placed by its middle over the hook attached to the picture-molding, and the drum D is revolved in the direction indicated by the arrow on Figs. 1 and 3 to wind the cord upon the drum D until the picture is raised to the desired height, the weight of the long arm of the lever E causing the stop-tooth *e²* to rest in contact with the periphery of the escapement-wheel *d* and engage a tooth thereof as soon as the revolution of the drum ceases, so as to hold the picture-frame in the position to which it is adjusted. If the picture-frame is raised too high and it is desired to lower it, the portion *e* of the lever E is raised to disengage the stop-tooth *e²* from the tooth of the wheel *d*, when the inner end *e'* of said lever will be correspondingly depressed and thereby placed in the path of the next approaching tooth of said wheel *d*. When the tooth *e²* is disengaged from contact with the wheel *d*, the weight of the frame will

cause the drum D to be revolved in the direction opposite to that indicated by the arrows on Figs. 1 and 3 until the end of the lever E engages a tooth of the wheel *d*, when its motion
5 will be arrested. Alternately raising and depressing the outer end of the lever E will cause repeated intermittent movements of said drum about its axis, to unwind the cord therefrom until the picture is adjusted to the
10 desired height.

To adjust the picture to the desired inclination relative to the wall upon which it is hung, the arms G and G' are adjusted to a greater or less angle to the plane of the back
15 of the picture-frame, in which positions they are held by friction.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In combination with a picture-frame, a
20 screw-eye set in the back of said frame in a fixed position near one edge thereof; a revolvable drum mounted upon a journal set in a fixed position in the back of said frame near its opposite edge; a suspension-cord attached
25 at one end to said screw-eye and at its other

end to said drum; means for retaining said drum in a fixed position when properly adjusted; and a pair of arms pivotally attached to the back of said frame, one at each side, and each provided with a cord-guiding eye to
30 receive said suspension-cord and adapted to be held at any desired angle to the picture-frame.

2. In combination with a picture-frame, the plates B and B' each provided with an outwardly-projecting ear; the screw-eye *g*; the screw C; the drum D provided with the flange *c* and the toothed flange *d*; the escapement-lever E; the cord F; and the arms G and G' each provided with a cord-guiding eye at its
35 movable ends and pivotally clamped to the ears on the plates B and B' respectively.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 25th day
45 of September, A. D. 1896.

FRANÇOIS H. GÉNÉREUX.

Witnesses:

N. C. LOMBARD,
GEO. L. COOK.