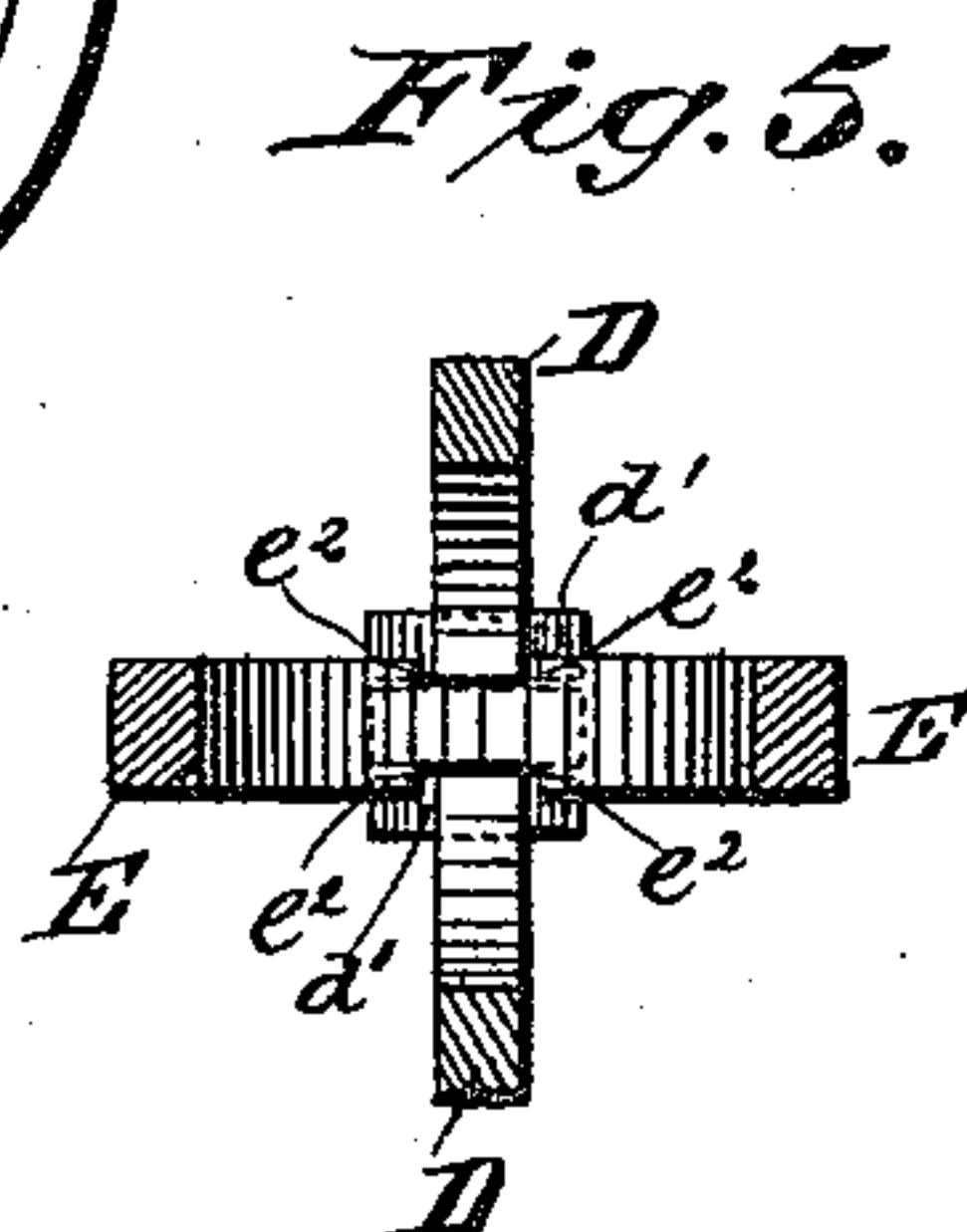
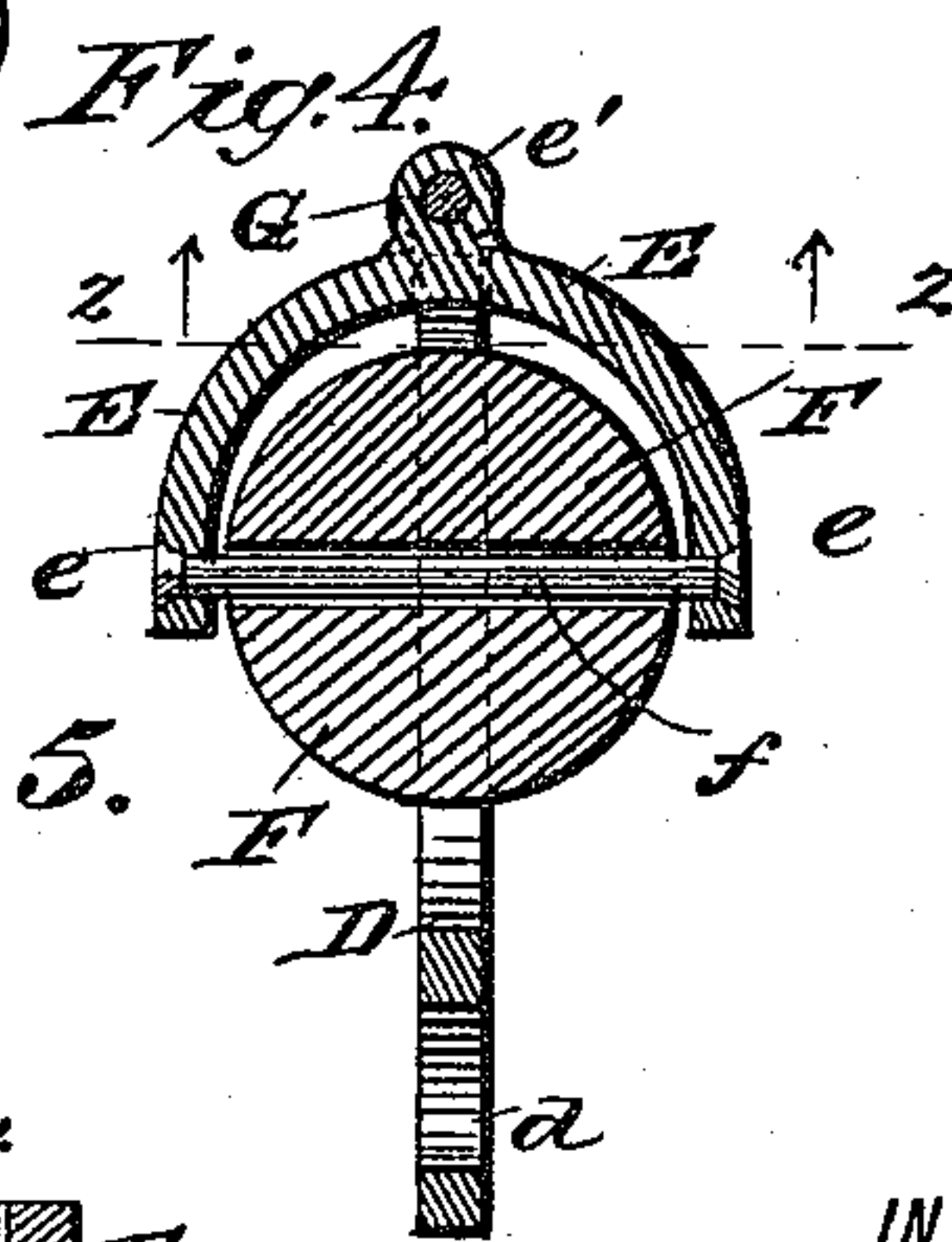
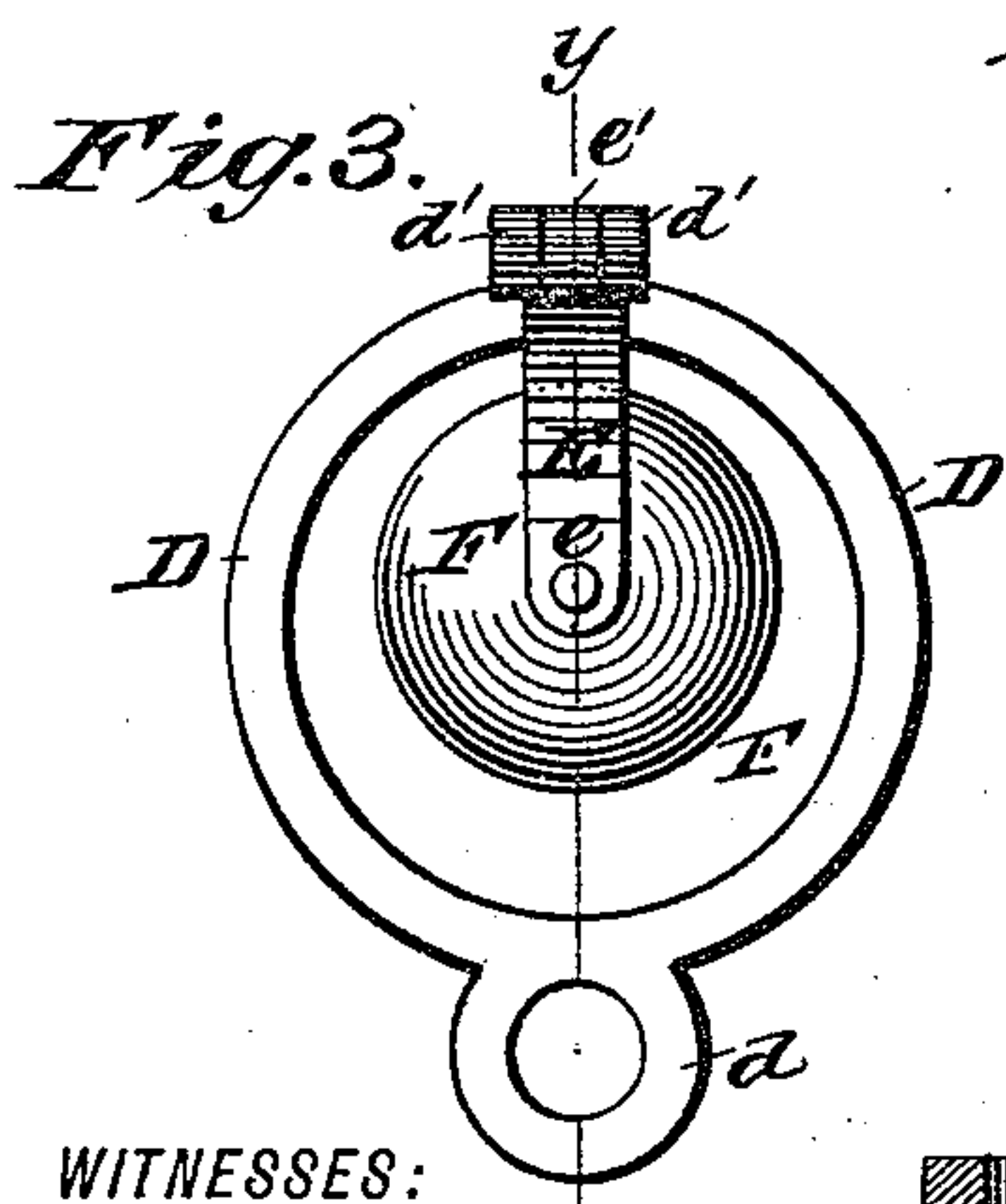
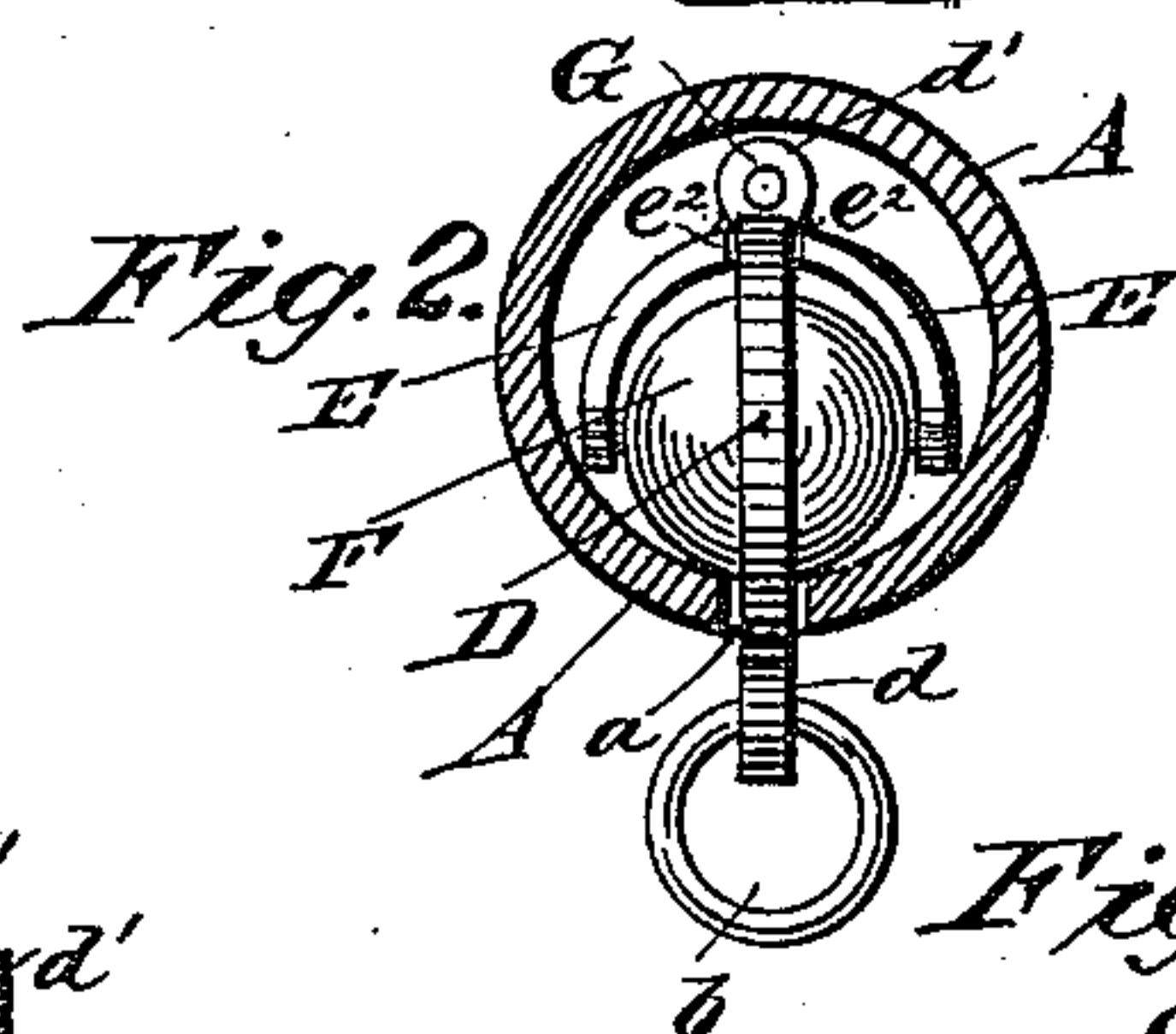
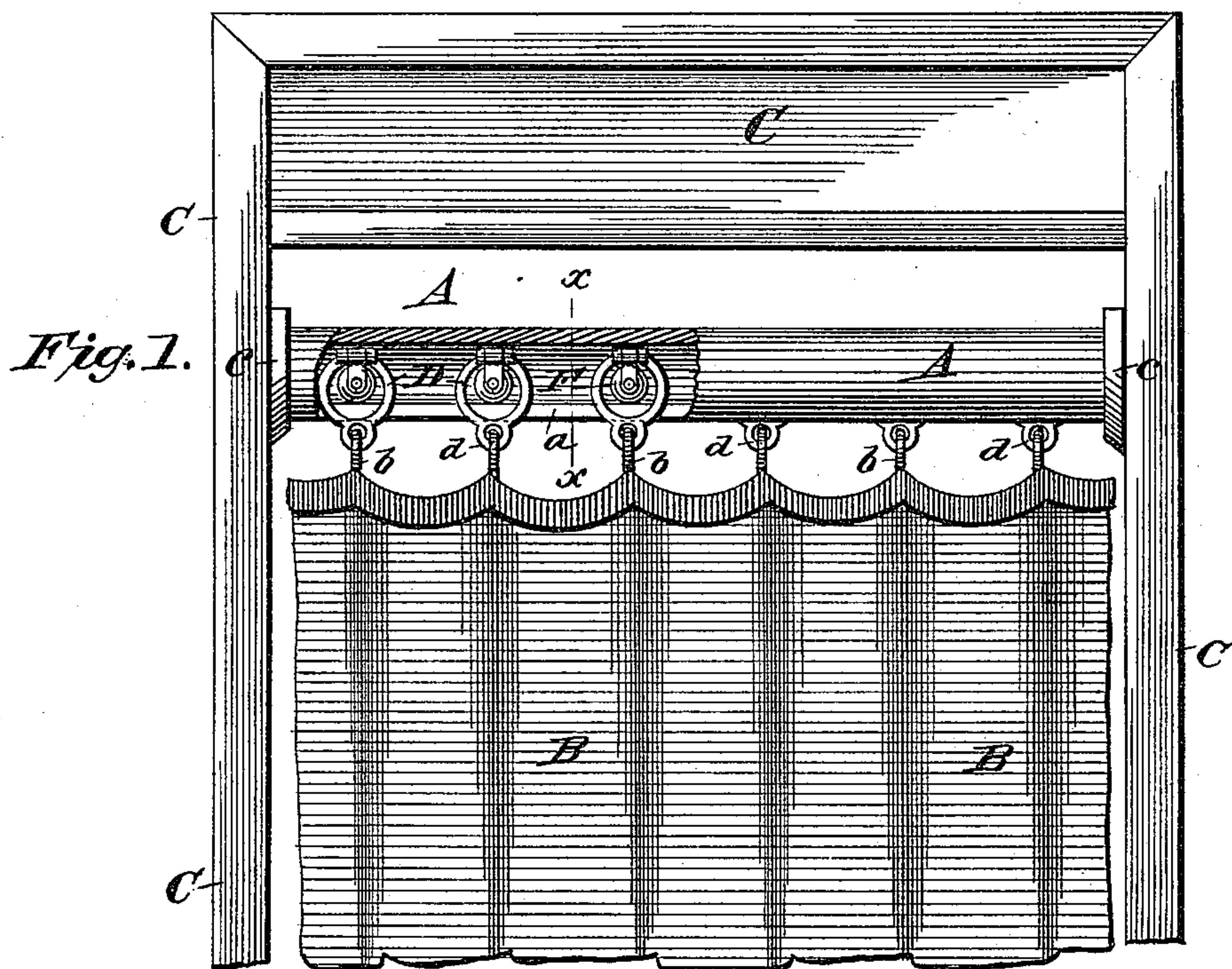


(No Model.)

W. H. LEWIS, Jr.
CURTAIN POLE AND RING.

No. 440,773.

Patented Nov. 18, 1890..



WITNESSES:

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CURTAIN-POLE AND RING.

SPECIFICATION forming part of Letters Patent No. 440,773, dated November 18, 1890.

Application filed June 23, 1888. Serial No. 277,949. (No model.)

To all whom it may concern:

Be it known that I, WALTER H. LEWIS, Jr., a citizen of the United States, residing at the city of New York, in the State of New York, have invented a certain new, useful, and Improved Curtain-Pole and Ring, of which the following is a specification.

Heretofore slotted tubular poles have been employed in connection with curtain-supporting devices of two general types. First, those employing a barrel-shaped roller, and, second, those comprising two hemispherical rollers mounted on a spindle, and a hook-shank passed between the flat surfaces of said rollers and around said spindle and attached either to a hoop-shaped bail connected with the ends of said spindle or directly to the spindle, so that the hook-shank separated the two rollers. Moreover, the portion of the stem of the hook-shank projecting through the slot was in most cases provided either with a washer or with a ring turned transversely of the pole, and although fairly-good results were attained by the employment of such type of curtain-supporting devices when used in connection with a cord located within the tube for operating the curtain, whereby the supporting devices were more or less perfectly maintained in proper position, still such devices, especially when employed without operating-cords, but even when employed with such cords, became in use partly turned or otherwise displaced, whereupon the rollers and the washers or transverse rings became caught or wedged in the rod, or the periphery of one of the rollers slipped into the slot, so that in either case the curtain could not be closed or opened.

The principal object of my present invention are, first, to dispense with the employment of two rollers separated by a hook-shank provided with a washer, and consequently to obviate the above-mentioned disadvantages, and, second, to provide simple, inexpensive, and durable devices for suspending curtains or portieres at windows, doorways, and other openings, by means of which light or heavy curtains may be hung so as to work smoothly and quietly and present a neat appearance.

The nature and characteristic features of the invention will be more fully understood

from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is an elevation, partly in section, of the upper portion of a doorway or passage having a curtain or portiere hung therein by means of curtain-supporting devices embodying my invention. Fig. 2 is a transverse section, on an enlarged scale, taken on the line xx of Fig. 1, showing a complete sphere or ball pivoted to a transverse bail, and said bail rigidly attached to an 8-shaped hanger. Fig. 3 is an enlarged side elevation of one of the curtain-supporting devices, showing the 8-shaped hanger, one loop of which encircles the sphere and the other loop of which affords means for attaching the edge of the curtain or portiere thereto. Fig. 4 is a section on the line yy of Fig. 3, showing an 8-shaped hanger having two parallel surfaces for preventing the same from becoming wedged in the slot of the pole; and Fig. 5 is an inverted or bottom plan view, taken on the line zz of Fig. 4, showing the 8-shaped hanger and bail rigidly connected together.

In the drawings, C are the sides of a frame bounding a doorway or passage.

A is a tubular curtain-pole provided upon the under sides thereof with a longitudinal slot a and supported at the respective extremities thereof by socket-plates c , attached to the frame C in the usual or in any preferred manner.

F is a sphere or ball provided with an aperture extending therethrough, for a purpose to be presently described. Excellent results have been attained in practice by making these spheres of india-rubber, and therefore preference is given to the employment of such material.

E is a hoop-shaped bail provided at the center thereof with an upwardly-projecting lug e' , and having the respective extremities thereof provided with an aperture e .

f is a spindle passing through the apertures e and through the aperture in the ball F, so that the latter is pivotally attached to the bail E.

The rings or loops D and d comprise an 8-shaped hanger. The loop D is split at a point diametrically opposite to ring d , and the extremities thereof are provided with upwardly-

projecting lugs d' , respectively. These lugs d' fit snugly up against the sides of the lug e' , and are rigidly attached thereto by means of the rivet G, so that the bail E and 8-shaped hanger occupy positions at right angles to each other. Moreover, the body of the bail E is broader than its central portion, which is attached to the lugs d' of the loop or ring D. Hence there are formed on the bail E four shoulders e^2 , which bear at as many places on opposite front and rear faces of the ring or loop D, so as to give additional security against twisting of the bail E and loop D on each other at their joint, as will be readily understood by reference to Fig. 5.

In use the curtain-supporting devices are located in the interior of the pole A, with the rings or loops d projecting downward through the slot a , and the curtain or portiere B is hung by means of eyes or hooks b attached to the upper edge thereof and passing through the rings d . The curtain B is opened or closed by simply pushing or drawing it to one side by the hand and without the employment of cords.

The mode of operation of my curtain-supporting devices is as follows: The balls or spheres F roll along the bottom of the tube A, bearing at all times on both sides of the slot a , so that it is impossible for them to become wedged or caught therein, and inasmuch as the balls F are preferably composed of rubber there is no noise incident to their travel through the pole A. Moreover, the 8-shaped hangers are not only permitted a freedom of motion through and along the slot a , but also an oscillating or rocking motion with-

out becoming wedged or otherwise caught in the slot a , and this result is due to the fact that the rings d and D are turned in the same direction and are of the same thickness throughout.

It will be obvious to those skilled in the art to which my invention relates that it possesses, among others, the following marked advantages—namely, that the entire curtain-fixtures are inexpensive, strong, and durable, and present a very neat appearance in use, and are adapted for hanging either light or heavy, cheap or expensive curtains without liability of becoming caught or wedged in the slotted pole.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described curtain-supporting device, which comprises a sphere or ball pivoted to an arch-shaped bail, and an 8-shaped hanger rigidly attached to said bail and having the two loops or rings thereof lying in the same direction and at right angles with said bail, substantially as and for the purposes set forth.

2. The combination of a slotted tubular curtain-pole, a solid sphere, an arch-shaped bail, and an 8-shaped hanger having the loops thereof turned in the same direction and at right angles with said bail, all arranged substantially as described, and for the purposes set forth.

WALTER H. LEWIS, JR.

Witnesses:

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