M. B. MARTIN.

CABINET.

APPLICATION FILED OCT. 2, 1916.

1,244,879.

Patented Oct. 30, 1917.

2 SHEETS—SHEET 1.

Fig. 1

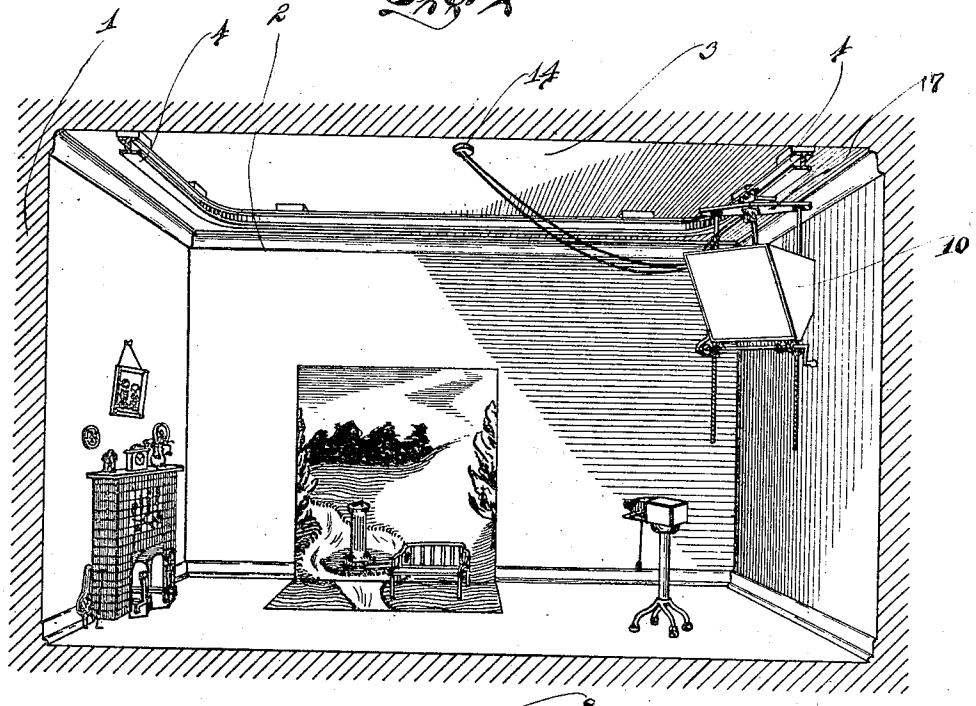
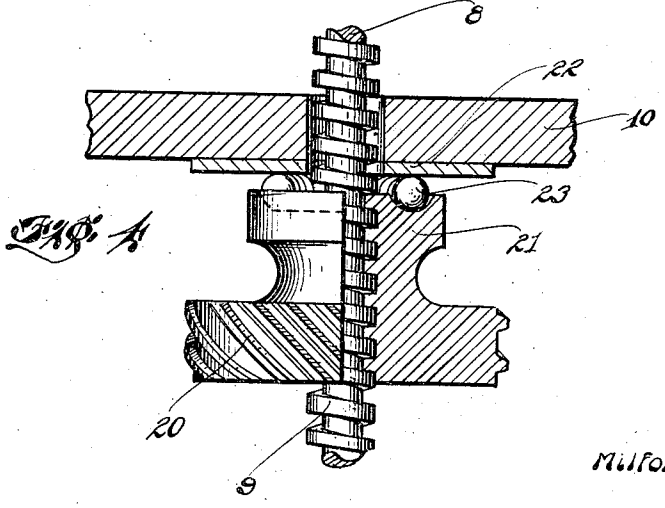


Fig. 4



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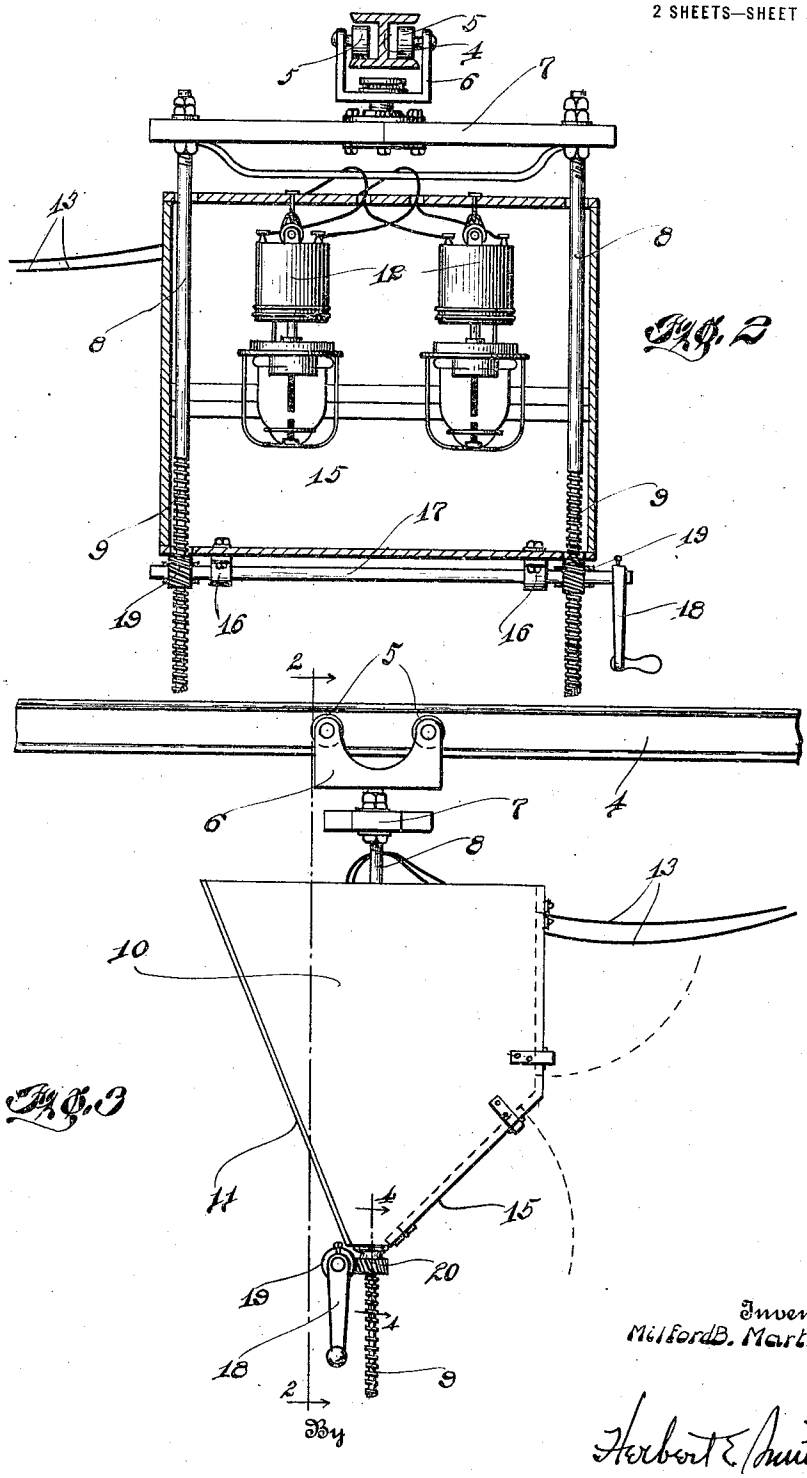


Fig. 2

Fig. 3

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UNITED STATES PATENT OFFICE.

MILFORD B. MARTIN, OF SPOKANE, WASHINGTON.

CABINET.

1,244,879. Specification of Letters Patent. Patented Oct. 30, 1917.

Application filed October 2, 1916. Serial No. 123,396.

To all whom it may concern:

Be it known that I, MILFORD B. MARTIN, a citizen of the United States, residing at Spokane, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Cabinets, of which the following is a specification.

This invention relates to new and useful improvements in cabinets and more particularly to a studio like cabinet and the primary object of the invention is to provide a cabinet for use in a photographic studio which carries the light and is capable of being moved to various positions in the studio, whereby to compensate for various scenes and backgrounds within the studio.

A further object of the invention resides in providing a track secured to the ceiling of the studio and extending over a considerable portion of the same from which is suspended to operate thereon, a light cabinet.

A further object of the invention resides in providing a cabinet which is capable of being adjusted to various positions on its suspension means and which is provided with means whereby same may be raised and lowered to adjust the light in the proper manner.

With these and other objects in view, my invention consists in the novel features of construction, combination and arrangement of parts, as will be hereinafter referred to and more particularly pointed out in the specification and claims.

In the accompanying drawing forming a part of this application:—

Figure 1 is a perspective view of a studio showing my device applied to use therein;

Fig. 2 is a section through the cabinet;

Fig. 3 is a side elevation thereof; and

Fig. 4 is a vertical section as seen on the line 4—4 of Fig. 3.

In describing the invention I shall refer to the drawing in which similar reference characters designate corresponding parts throughout the several views and in which 1 designates a room of a structure designed as a photographic studio, the walls 2 of which are preferably so arranged that one consists of windows properly draped, another provided with a fire place, a third wall designed as an outdoor scene or the like and a fourth wall for various other indoor furnishings. The furnishings of the studio are more or less immaterial but I mention the matter in order to bring out the fact that in carrying out my invention I utilize various parts of the room as a background for photographs.

The ceiling 3 has secured thereto an eye-shaped track member 4 which is constructed to extend around the room adjacent the walls 2. Operating on the track 4 are the rollers 5 which are carried by a U-shaped bracket 6, the latter having swiveled to the base thereof a bar 7 which is designed to support my improved cabinet.

Secured to and depending from the bar 7 adjacent the ends thereof are the rods 8, the lower portions of which are threaded as shown at 9. Loosely mounted on the rods 8 is a box like cabinet 10 the front wall of which is inclined inwardly from its upper to its lower edge and designated as 11, as clearly shown in Fig. 3 of the drawings. This front wall is transparent and the light within is adapted to diffuse therethrough. A pair of arc or other lamps 12 are suspended within this cabinet and the wires therefrom lead through the top of the cabinet, same being designated at 13 and connect with a service box 14 arranged centrally of the ceiling 3. The rear wall of the cabinet has a lower beveled portion 15 which is designed to form a hinged door whereby entrance may be readily had to the interior of the cabinet.

Rotatably mounted in bearings 16 on the bottom of the cabinet 10 is a shaft 17 having a crank handle 18 at one end thereof. Arranged on this shaft 17 are the beveled pinions 19 which mesh with pinions 20 on the shafts 8. The pinions 20 have upper extensions 21 thereon which directly support the lower or base portion of the cabinet 10 and a bearing plate 22 is provided at this point to receive thereagainst the bearing balls 23 carried by the extension 21 of the pinion.

It will be seen from this construction that a cabinet will be raised or lowered as desired to make the light available to the scene, and further it will be seen that the cabinet may be moved on its swivel or pivot as desired. Being supported on a track, as shown and described, the cabinet carrying the light may be moved to any position in the room according to the scene desired for use as a background.

From the foregoing it will be seen that I

provide a simple inexpensive and efficient means for carrying out the objects of the invention and while I have particularly described the elements best adapted to perform the functions set forth, it is obvious that various changes in the form, proportion and in the minor details of construction may be resorted to, without departing from the spirit or sacrificing any of the principles of the invention.

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

1. In a device of the class described, the combination with a structure and a track secured to the ceiling thereof; of a frame swivelly suspended from said track and movable on the latter, said frame being provided with a pair of depending shafts, the lower portions of same being threaded, a cabinet guided on said shafts, beveled pinions carried by the threaded portions of the shafts and means carried by the cabinet for engagement with said beveled pinions whereby to raise and lower said cabinet on the frame.

2. In a device of the class described, the combination with a structure and a track, of a frame swivelly suspended from said track and movable thereon, said frame being provided with a pair of threaded depending shafts, a cabinet guided on said shafts, beveled pinions threadedly mounted on the shafts, and means carried by the cabinet for engagement with said beveled pinions whereby to raise and lower said cabinet.

3. In a device of the class described, the combination with a structure and a track, of a frame swivelly suspended from said track and movable thereon, said frame being provided with a pair of threaded depending shafts, a cabinet guided on said shafts, beveled pinions threadedly mounted on the shafts, and a shaft carried by the cabinet and having beveled pinions engaging the aforementioned pinions whereby to raise and lower said cabinet.

4. In a device of the class described, the combination of an overhead track, a laterally revoluble frame suspended therefrom and adapted to travel thereon, said frame being provided with depending shafts, a cabinet slidably mounted on the shafts, and means for adjusting said cabinet vertically on the shafts.

5. In a device of the class described, the combination of an overhead track, a frame suspended therefrom and adapted to travel thereon, said frame being revoluble on a vertical axis, and an illuminating cabinet supported by said frame and vertically adjustable thereon.

In testimony whereof I affix my signature.

MILFORD B. MARTIN.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."