Nov. 19, 1929. J. PARCELL 1,736,012

ILLUMINATING MEANS FOR PHOTOGRAPHIC CABINETS

Filed Oct. 6, 1927

Fig. 1.

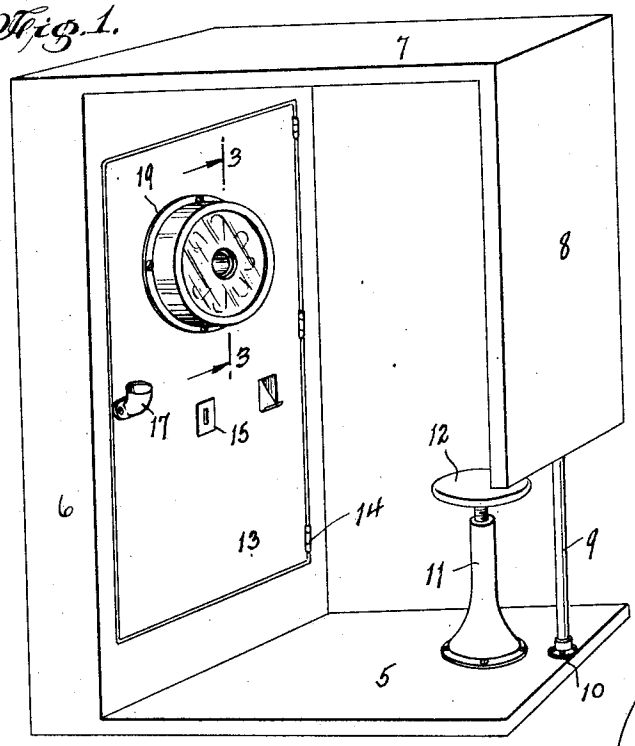


Fig. 3.

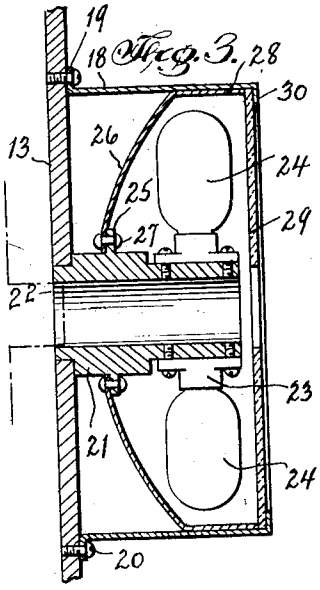


Fig. 4.

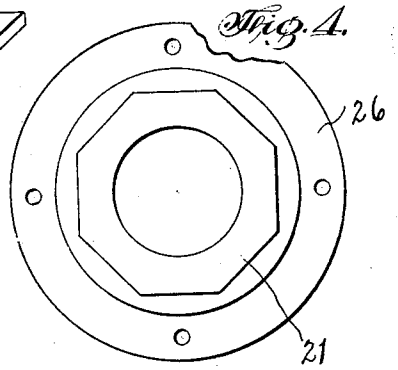
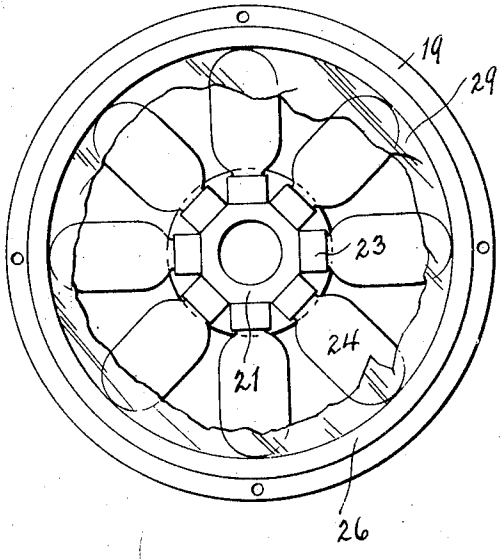


Fig. 2.



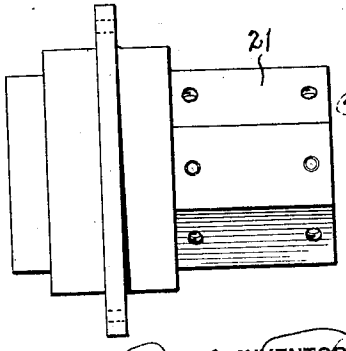


Fig. 5.

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UNITED STATES PATENT OFFICE

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ILLUMINATING MEANS FOR PHOTOGRAPHIC CABINETS

Application filed October 6, 1927. Serial No. 224,346.

This invention relates to improvements in coin operated photographic cabinets.

The general object of my invention is to provide an improved artificial light in conjunction with the photographic lens mounted in the cabinet so as to project the rays of light in all directions upon the person being photographed and eliminate all shadows which interfere with the production of a clear picture.

More specifically, my invention relates to an electric lighting system constructed and arranged circumferentially about and in front of the photographic lens so as to project uniform beams of light in all directions upon the person being photographed, the intensity of light rays being such as to completely eliminate any top or bottom shadows as well as side shadows from outside objects.

In order to more fully understand and appreciate my invention and its application to machines and apparatuses of the above class, reference is had to the accompanying drawing illustrating a preferred construction in which

Fig. 1 is a perspective view of a conventional type of photographic cabinet embodying the invention.

Fig. 2 is an enlarged front view showing the lamps surrounding the lens of the camera.

Fig. 3 is a sectional view of the housing or casing for the lamps, taken on the line 3—3 of Fig. 1.

Fig. 4 is a front view of the attachment for the lamp sockets.

Fig. 5 is a side view of the attachment shown in Fig. 4.

Referring now to the drawings wherein like reference characters designate corresponding parts throughout the several views, to illustrate my invention I have shown an upright substantially rectangular cabinet consisting of a base 5, a cabinet 6 for housing the automatic photographic apparatus (not shown), a top 7 and a back screen or panel 8 which is supported by a pipe or rod 9 securely fastened by a collar 10 to the base. A seat pedestal 11 is also fastened to the base and is equipped with an adjustable seat 12. The cabinet is provided with a front door or panel 13 hingedly connected as at 14 so as to be swung outwardly permitting access to the photographic mechanism within the cabinet. The door is provided with a coin slot 15, a discharge chute and a drier 17, constituting part of the mechanism of the automatic apparatus.

My invention proper relates to the artificial light diffusing apparatus mounted on the door or panel in front of the photographic lens. Essentially, it consists of a circular frame 18 having an annular flange 19 whereby it may be fastened to the door or panel by screws 20 or other fastening means.

Within the frame 18 is a polygonal socket supporting sleeve 21, open at each end, the inner end 22 of which is seated within an opening cut in the door or panel at a point directly in front of the lens and shutter mechanism of the camera, not shown. On each face of the sleeve 21 there is provided a socket 23 and a lamp 24, all of said lamps being of the same size and intensity so that the uniform light rays may be projected in all directions. To that end, the supporting sleeve is provided with an annular flange 25 to which a concave reflector 26, preferably of nickel is fastened as at 27. The outer straight wall 28 of the reflector lies flush with the inner wall of the frame 18 and engages a transparent panel such as celluloid or photo blue glass 29 seated within the outer annular flange 30 of the said frame. The frame, of course, is open at the front and the photo blue glass 29 is provided with a circular opening directly in front of the sleeve and in direct path of the lens and camera shutter above referred to. The reflector projects the beams of light in all directions through the photo blue glass which serves to prevent light glares, being easy on the eyes for proper photographic purposes.

In actual practice, the lamps are illuminated the instant the proper coin is introduced and the photographic mechanism set in operation. After the lens shutter is actuated, the circuit to the lamps is interrupted or broken. This feature of the apparatus being common and well known in

automatic coin controlled photographic apparatus, is not shown but will be clearly understood by those skilled in the art.

While I have shown and described my invention with some degree of particularity, I realize that various changes, alterations and modifications may be resorted to. I therefore do not wish to limit myself to the exact construction and details shown, but reserve the right to make such changes, alterations and modifications as may fall within the scope of the subject matter now being claimed.

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

1. Illuminating means for photograph cabinets, comprising a door, a sleeve connected to said door, a plurality of radially disposed light projectors carried by said sleeve, a housing encasing the sleeve and projectors, and a transparent panel in front of the projectors mounted in said housing.

2. Illuminating means for photograph cabinets, comprising a door, a sleeve connected to said door, a plurality of radially disposed light projectors carried by said sleeve, a reflector carried by said sleeve in back of the projectors, a housing encasing the sleeve projectors and reflector and a transparent panel in front of the projectors mounted in said housing.

3. Illuminating means for photograph cabinets, comprising a door, an open ended sleeve connected to said door, a plurality of radially disposed light projectors carried by said sleeve, a concave reflector attached to said sleeve in back of the projectors, a housing encasing the sleeve projectors and reflector and a transparent panel in the front of said housing and held in position by the reflector.

4. Illuminating means for photograph cabinets, comprising a door, an open ended polygonal sleeve connected at one end to said door in front of the lens and shutter of said photograph cabinet, a plurality of sockets and incandescent lamps mounted on the sleeve, a concave reflector attached to the sleeve in back of the lamps, a flanged housing fastened to the door encasing the sleeve, lamps and reflector and a transparent glass in the front of the housing, said glass being held in position by the reflector.

5. Illuminating means for photograph cabinets comprising a sleeve, a plurality of radially disposed light projectors carried by said sleeve, a housing engaging said sleeve and projectors and a transparent panel in said housing in advance of the projectors.

In testimony whereof I affix my signature.

JOHN PARCELL.