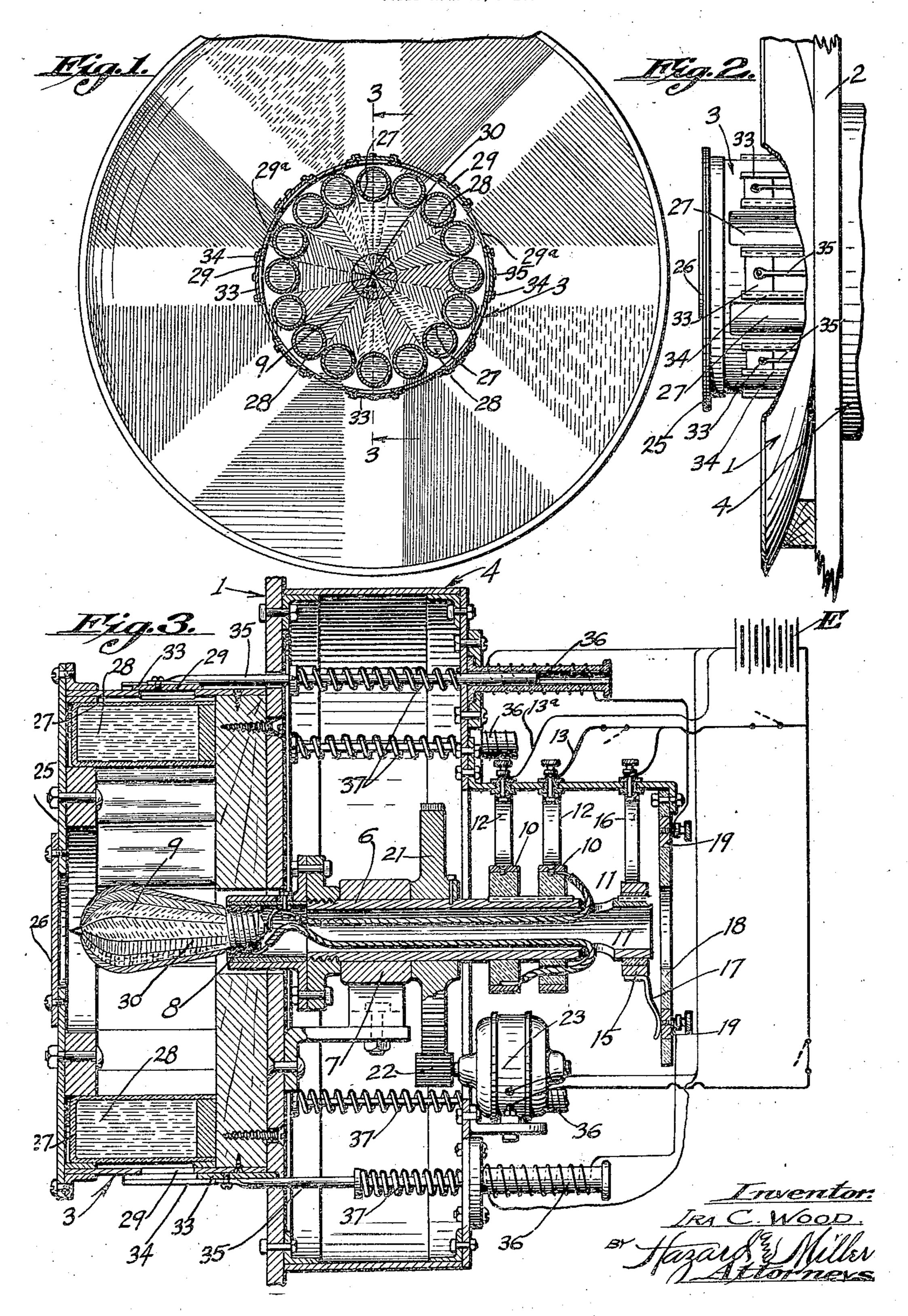
I. C. WOOD.

COLORED LIGHTING DEVICE.

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UNITED STATES PATENT OFFICE.

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COLORED-LIGHTING DEVICE.

Application filed April 23, 1921. Serial No. 463,881.

To all whom it may concern:

Improvements in Colored-Lighting Devices, source of electrical energy indicated at E. of which the following is a specification. The tube 6 also carries a contact ring 15

to produce novel and pleasing color effects, nected to the positive wire 13. The ring 15 10 and the invention consists essentially of a carries a spring contact 17 co-operating with 65 dished screen member across which rays of a plate 18 provided with a plurality of cirto produce a pleasing rotating color effect. as the tube 6 and lamp 9 rotate, a circuit A casing is mounted at the center of the is successively closed through spring con-15 screen and contains a rotatable source of tact 17 and the respective contacts 19 for 70 illumination which is preferably provided a purpose to be hereinafter described. with variously colored circumferentially re- The tube 6 may be rotated by a gear 21. nation, and closure plates are arranged be- is adapted to be energized by the source of yond some of the transparencies, so that by electrical energy. opening and closing the same, certain of the The casing 3 receiving the lamp 9 is proby the mechanism.

will be found of practical advantage as an

advertising medium or the like.

35 companying drawings, in which:

contained therein in vertical section.

Fig. 2 is a side elevation of the mechanism

partly broken away.

the line 3—3 of Fig. 1.

45 shown at 1 mounted upon a suitable sup- casing and adapted to form a magnifying 100 50 ter of the dished screen. as to form an extremely pleasing effect. 105

incandescent lamp 9 which is positioned in rihpery of the casing are preferably pro-

beyond casing 4 and is provided with con-Be it known that I, Ira C. Wood, a citizen tact rings 10 to which the wires 11 for the of the United States, residing at South Pasa-lamp 9 are connected. Contacts 12 engage dena, in the county of Los Angeles and State the rings 10 and are connected by positive 5 of California, have invented new and useful and negative wires 13 and 13a to a suitable 60

This invention is a display device adapted which is engaged by a contact 16 also convariously colored lights are projected so as cumferentially spaced contacts 19 so that

lated portions. A plurality of transparen- fixed thereon and received within casing cies are provided at the periphery of the 4, said gear meshing with a pinion 22 upon 20 casing around the rotatable source of illumi- the shaft of a suitable electric motor which 75

rays of light may be cut off in order to vided with a suitable closure plate 25 which 25 modify and vary the lighting effect produced preferably has an axially disposed remov- 80 able plate 26 for the insertion and removal By means of a structure as thus set forth, of the incandescent lamp 9. The periphery a remarkable brilliant and beautiful light- of the casing is provided with openings 29 ing effect may be produced upon the dished and 29a alternately disposed around said 30 screen of the apparatus, and the mechanism casing, and a plurality of transparencies 27 85 shown as glass cylinders are arranged just within the periphery of said casing and op-The invention will be readily understood posite the respective openings 29 and 29a. from the following description of the ac- These cylinders are filled with variously colored liquids as shown at 28, and the in- 90 Figure 1 is a front elevation of a device candescent lamp 9 is preferably variously constructed in accordance with the inven-colored as shown by the strip portions 30 tion, and showing the casing and the parts of said lamp circumferentially disposed with relation to one another.

As a consequence it will be noted that the 95 rotating lamp 9 will cause a rotating vari-Fig. 3 is a detail transverse section on ously colored source of illumination, which co-operating with the variously colored The dished screen of the mechanism is transparencies around the periphery of the port 2, and the casing 3 projects from the means, will cause projection of variously center of the dished screen, while a casing colored rays of light across the dished screen 4 containing the actuating mechanism for of the apparatus, and these rays of light the device extends rearwardly from the cen- will be constantly changing and blending so

A conduit tube 6 is journaled in a bearing. In order to still further vary the effect 7 in casing 4 and terminates in a lamp socket produced by the rays of light passing across 8 extending into casing 3 and carrying an the dished screen, the openings 29 in the pe-55 said casing. The tube 6 extends rearwardly vided with closure plates 33 axially slid- 110

able in guideways 34 and arranged to be circumferential relation around said rota-5 through the engagement of contact arm 17 opening and then closing said plates. with contacts 19, as previously described. 5. A display device comprising a dished As an instance of this arrangement the closure plates 33 are connected to operating rods 35 which extend through electrical sole-10 noids 36.

rods normally shift the latter so as to close casing having variously colored portions. plates 33, and when the solenoids for the 6. A display device comprising a rotata-75 operating rods are energized; the closure ble source of illumination having variously 15 plates are shifted to open position against colored portions circumferentially disposed the tension of their springs. The respective with relation to one another, and variously solenoids are in the respective circuits closed colored transparent members arranged in by contact arm 17 and contacts 19, in order circumferential relation around said rotata- 80 that the solenoids will be successively ener- ble source of illumination, closure plates co-20 gized for successively opening the closure operating with said transparencies and havplates while contact arm 17 moves over the ing means for successively opening and then respective contacts 19.

The construction, as thus set forth, pro- 7. A display device comprising a rotata-85 25 display device which is arranged to form a colored portions circumferentially disposed dished screen of the apparatus, the color colored transparent members arranged in

30 shades.

parting from the spirit of the invention as closing said plates, said means being conclaimed.

What is claimed is:

1. A display device comprising a rotata- 8. A display device comprising a rotatacolored transparent stationary members ar- colored transparent members arranged in 40 ranged in circumferential relation around circumferential relation around said rotata-

ble source of illumination having various 45 with relation to one another, and variously said plates, and means for closing circuits colored transparent members arranged in through said solenoids. table source of illumination, and closure 50 cies to cut off or display light through the same.

55 and a rotatable source of illumination within said casing having variously colored portions.

4. A display device comprising a rotatable source of illumination having variously 60 colored portions circumferentially disposed with relation to one another, and variously name to this specification. colored transparent members arranged in

normally closed and automatically succes- table source of illumination closure plates sively opened by actuating means controlled cooperating with said transparencies, and 65 by the electrical circuits successively made electro-responsive means for successively

screen, a casing at the center thereof having variously colored peripheral transparencies, 70 closure plates for said tranparencies, means for opening and closing said plates, and a Springs 37 arranged upon the operating rotatable source of illumination within said

closing said plates.

vides a pleasing advertising novelty or other ble source of illumination having variously constantly changing color scheme upon the with relation to one another, and variously scheme providing beautiful blending of the circumferential relation around said rotata- 90 various colors so as to form only varying ble source of illumination, closure plates cooperating with said transparencies and hav-Various changes may be made without de- ing means for successively opening and then trolled by the rotation of said source of illu- 95 mination.

ble source of illumination having various ble source of illumination having variously colored portions circumferentially disposed colored portions circumferentially disposed with relation to one another, and variously with relation to one another, and variously 100 said rotatable source of illumination. ble source of illumination, closure plates co-2. A display device comprising a rotata- operating with certain of said transparencies, spring means normally closing said 105 colored portions circumferentially disposed plates, electrical solenoids for retracting

circumferential relation around said rota- 9. A display device comprising a rotatable source of illumination having variously 110 plates co-operating with said transparen- colored portions circumferentially disposed with relation to one another, and variously colored transparent members arranged in 3. A display device comprising a dished circumferential relation around said rotatascreen, a casing at the center thereof having ble source of illumination, closure plates co- 115 variously colored peripheral transparencies, operating with certain of said transparencies, spring means normally closing said plates, electrical solenoids for retracting said plates, and contacts for the circuits through said solenoids closed and broken by 120 the rotation of said source of illumination.

In testimony whereof I have signed my

IRA C. WOOD.