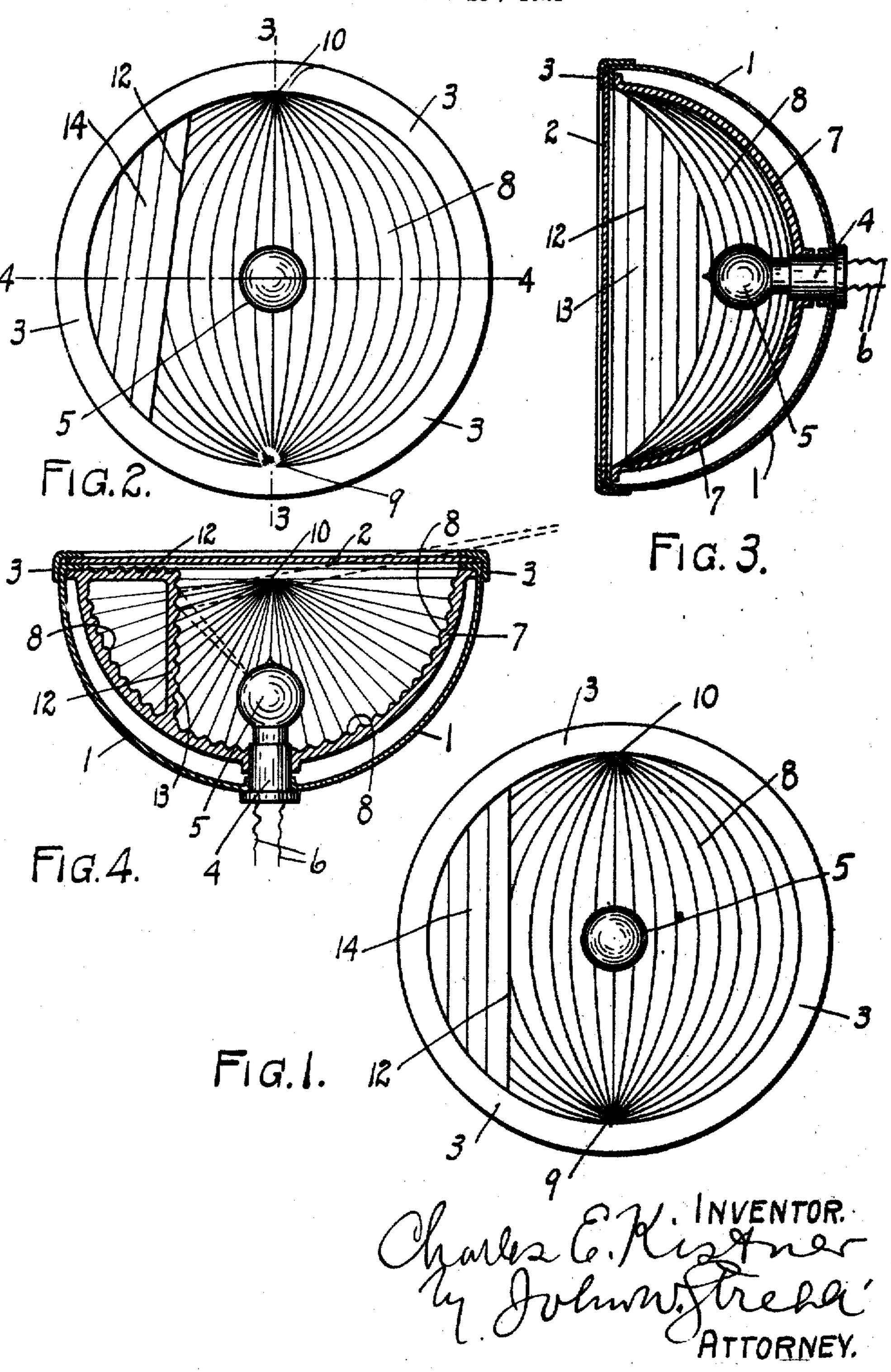
C. E. KISTNER

REFLECTOR FOR LIGHTS

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UNITED STATES PATENT OFFICE.

CHARLES E. RISTNER, OF CINCINNATI. OHIO.

REFLECTOR FOR LIGHTS.

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To all whom it may concern: .

Be it known that I. CHARLES E. KISTNER. a citizen of the United States, residing at going around a corner. the city of Cincinnati, in the county of The corrugations may be concave or con-5 Hamilton and State of Ohio, have invented vex. V shaped or the like, and of any depth, certain new and useful Improvements in Re- width or extent and occur with such fre- 60 fiectors for Lights, of which the following quency as found necessary to properly difis a specification.

My invention belongs to that class of re-10 flectors designed to eliminate the objectional glare of light, and designed to project the diffused light rays forwardly, horizontally parent from the following specification. and downwardly, and especially adaptable for use in connection with the lights or lamps 16 of automobiles and motor driven vehicles.

I produce a light projecting construction in connection with the reflecting surface of a reflector, its face being corrugated vertically with corrugations, said corrugations 20 being elliptically inclined, all beginning at one common point, at the bottom of 2 and said reflecting surface, diverging gradually to the center of length of said corrugation, and then converging gradthe elliptic corrugation, at the top of said electric wires 6; the reflector itself being reflecting surface. These corrugations fol-marked 7. low lines same as the true imaginary merid. The reflecting face of the reflector 7 is mately the same.

tour, by extending therefrom a wall or par- practice. tition, which reaches to the lens, and it is I interrupt the face of the reflector or re-40 this wall or partition which is also a re- flecting surface by extending from its face, 45 stood from this description that by using my tant and parallel. In Fig. 1, this partition device the light rays are projected forwardly wall is straight and in Fig. 2, it is inclined. 100 on the road or street; also downwardly and The corrugations 8 on the reflector surface also laterally; thus the direction in which 7, in the present instance, extend over the the vehicle is moving will also be apparent, entire face of the reflector (see Fig. 4 par-30 whether it be in a straight line or a curved ticularly). line.

struction or means for turning the lamps, to tition wall 12 inclined as shown in Fig. 2;

indicate the direction in which the automo. 55 bile is about to move or turn, especially when

fuse the light rays in proportion to the intensity of the source of light.

The various features of my invention and their advantages will readily become up- 65

In the accompanying drawing forming a . part of this specification:---

Fig. 1, is a from view of my new light refleeting device.

Fig. 2, is a similar view, except that at one side the counter reflecting wall is inclined instead of straight,

Fig. 3, is a section on the line 3--3 of Fig.

Fig. 1, is a section on the line 1-4 of Fig. 2.

In the drawing, the reflector body or hous-25 nally to the end of said corrugation and ing is marked 1, the lens 2, the retaining rim then to the one common point or end of all 3, the light socket 4, the light 5 and the 80

30 ian lines on the earth's surface, or approxi- formed up of a series of corrugations, ridges, furrows or the like as shown, being marked 85 In my device the reflector is provided with S they are run to the common centers 9 and corrugations, grooves or furrows, extend- 10, and are shaped as before set forth, and ing from the vertex of the reflector to the describe true meridian lines. They may be 36 lens of the reflector of said device. made to deviate from this course, or be made In carrying out my invention, I interrupt and formed approximately as such meridian 90 the reflecting face of the reflector in its con-lines, as will be found most efficient in

flector, which projects the light rays to the a partition or reflecting wall 12, its face 95 side of the automobile; on one side of the formed of vertically disposed corrugations machine, to the left and on the other side of or the like 13 (see particularly Fig. 4); the machine to the right. It will be under- these corrugations are generally equi-dis-

If it is desired to throw the rays down- 105 By using my invention I am enabled to dis- wardly to a greater extent than by the conpense with the use of any extraneous con-struction shown in Fig. 1, 1 form the partend to throw the light rays downwardly to ranged within said reflector, a lens, and a

a greater extent.

5 the light rays forwardly and the auxiliary of light and from the reflector surface to reflector or partition 12 will throw the light said lens, said wall being constructed and rays to the side or laterally and also down-positioned so as to bend and diffuse some of wardly.

By this construction the light is dimmed tending course.

be eliminated.

use of the reflector itself to obtain every ward the light source. phase of light rays needed during the op- 3. In a reflector of the character described, 15 eration of the automobile.

for carrying my invention into effect, it ians; said reflecting surface being interrupt-20 will be perfectly apparent that I may mode ed by an outwardly extending reflecting ify and change the same to some extent, wall, approximately vertical for bending without departing from the purpose and some of the rays of light out of their forspirit of my invention.

1. A headlight including a reflector pro- ber, 1921. vided with substantially parallel vertical re-

by this construction said partition wall will flecting corrugations, a source of light arsubstantially vertical reflecting wall extend- 30 The main reflecting surface will project ing from a position at one side of the source the light rays out of their forwardly ex- 35

10 to such an extent that a glare of light will 2. A headlight as claimed in claim 1 in which the reflecting wall is provided with By my construction I am enabled by the substantially vertical corrugations facing to-

having its reflecting face crossed by verti-In Fig. 4 the dotted lines show the directically extending corrugations or the like, tion taken by the light rays. having a common center for beginning and While I have described one specific means ending, and running like the earth's merid- 45 wardly extending course.

What I claim as new and my invention In testimeny whereof, I affix my signature and desire to secure by Letters Patent is: at Cincinnati, Ohio, this 23d day of Novem-

· CHARLES E. KISTNER