

March 6, 1951

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2,544,439

GLARE ELIMINATING LAMP UNIT

Filed Jan. 4, 1950

Fig. 1.

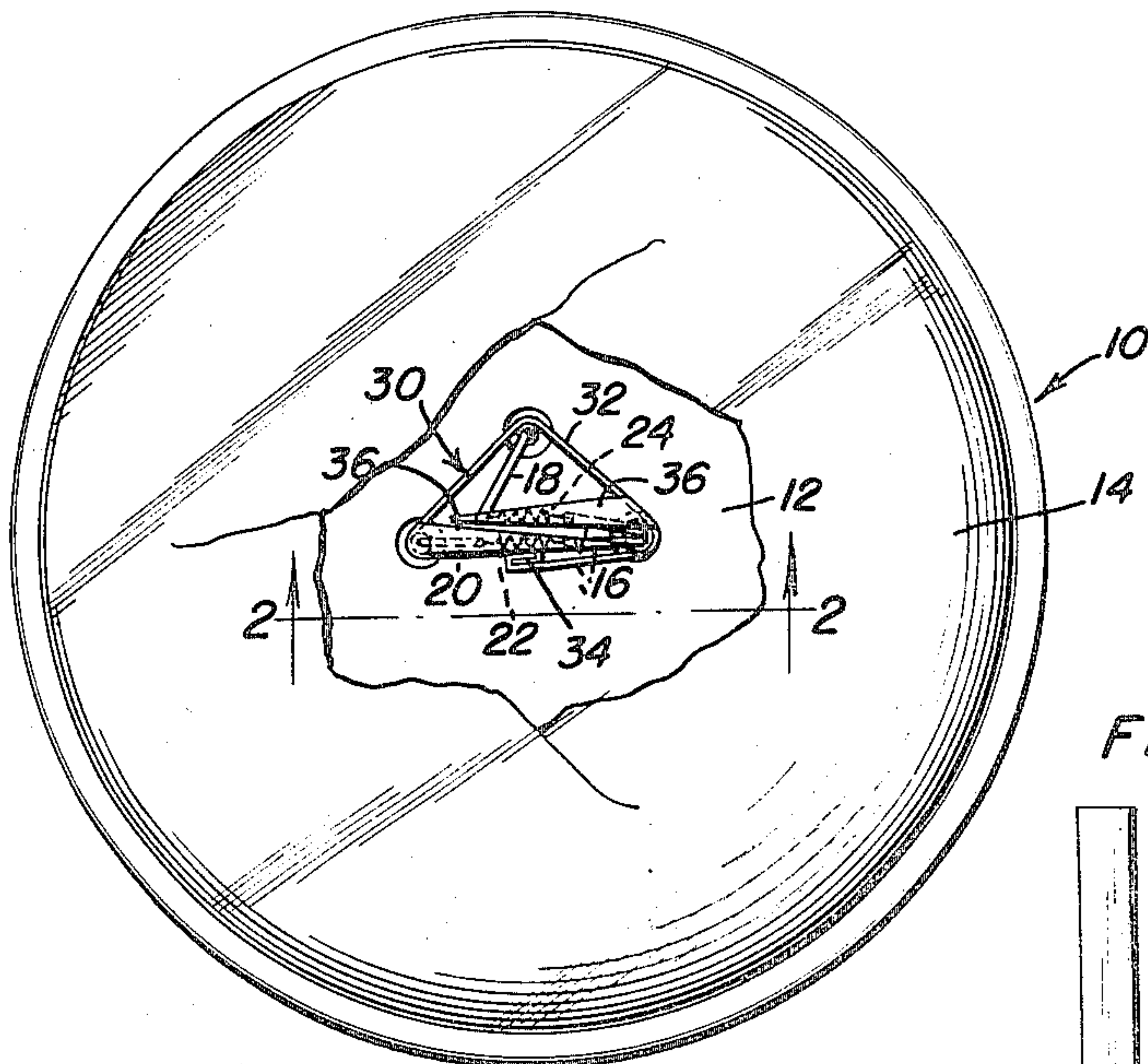


Fig. 3.

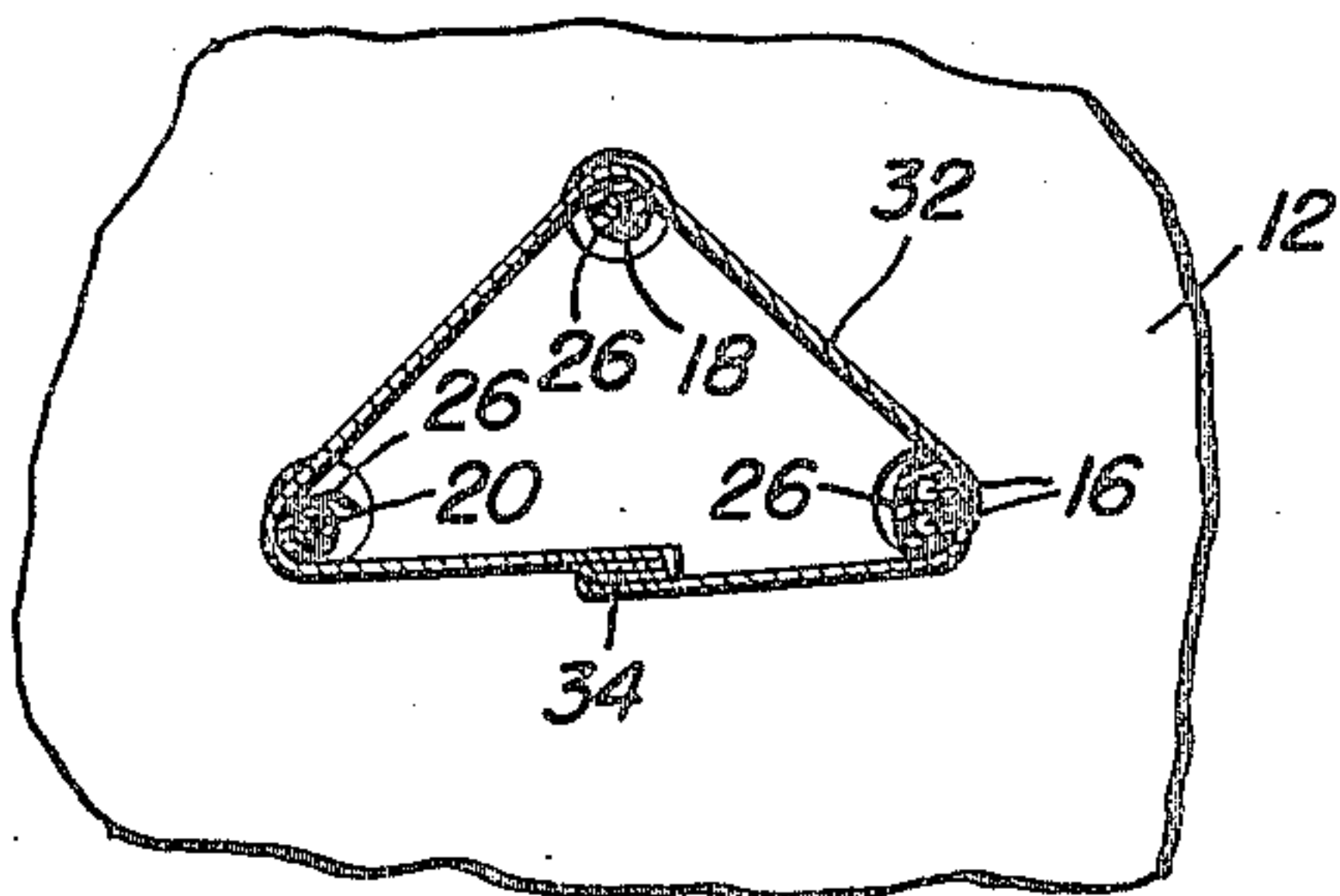


Fig. 2.

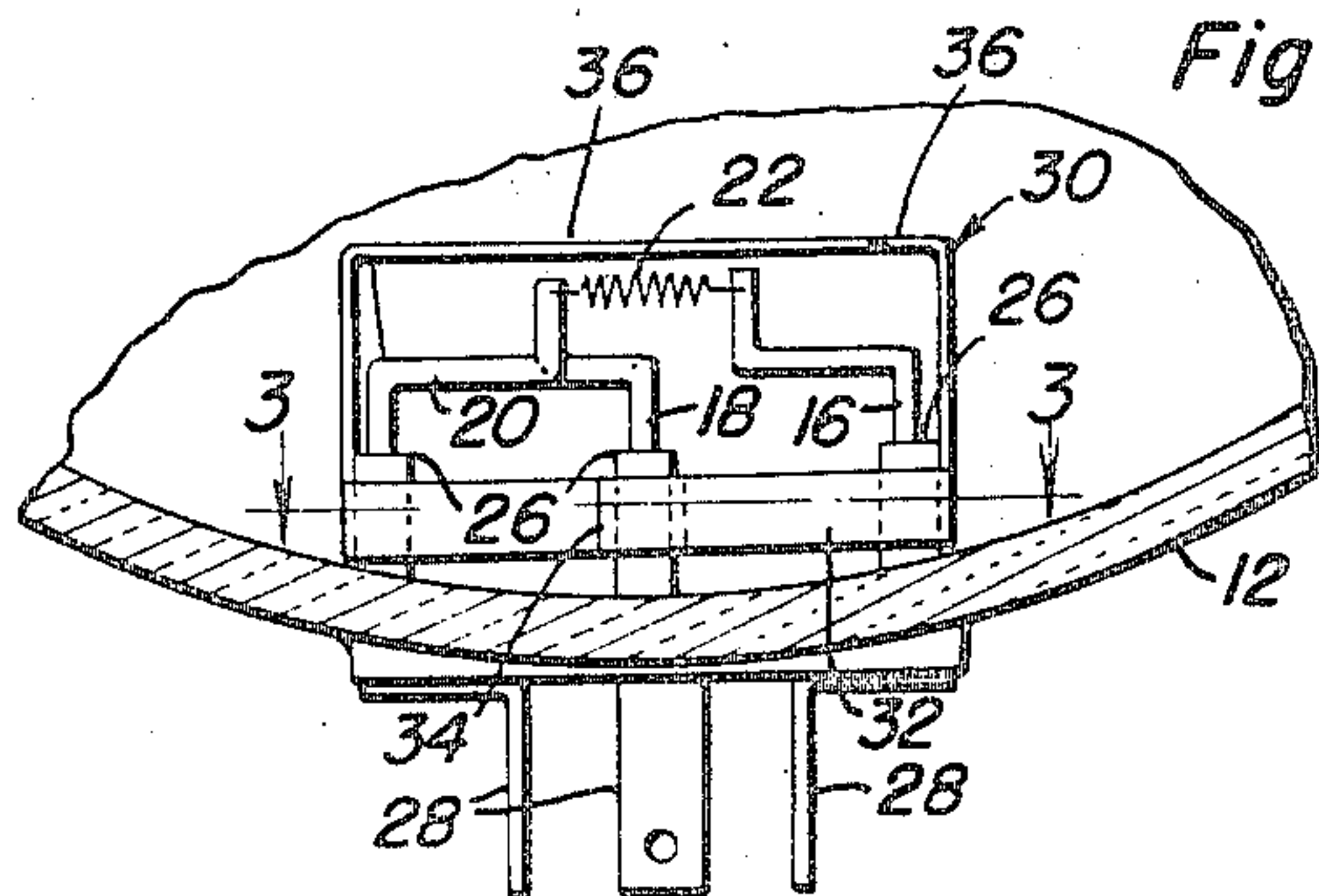
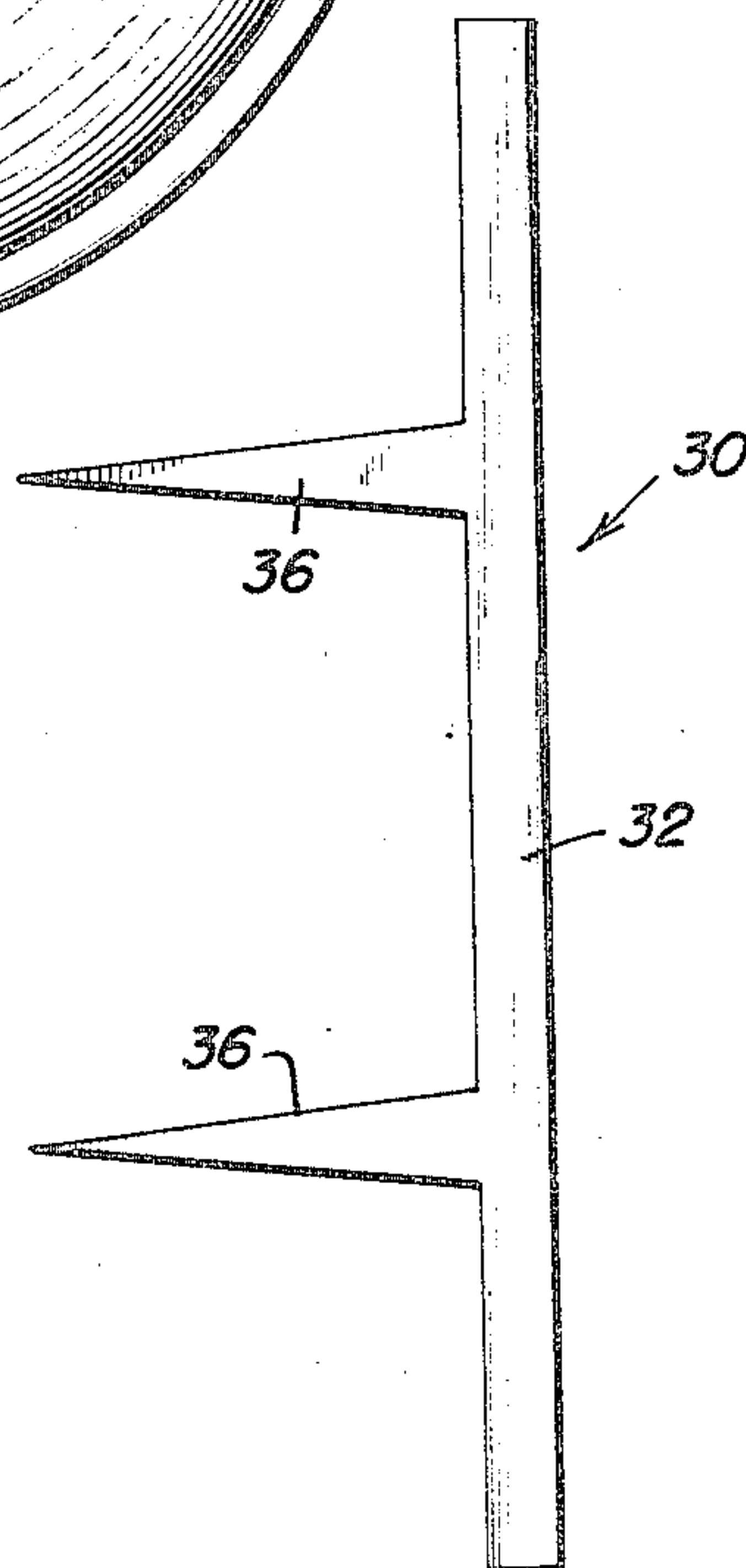


Fig. 4.



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UNITED STATES PATENT OFFICE

2,544,439

GLARE ELIMINATING LAMP UNIT

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Application January 4, 1950, Serial No. 136,799

1 Claim. (Cl. 313—117)

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This invention relates to new and useful improvements and structural refinements in lamp units, more particularly, lamp units of the so-called "sealed beam" type such as are commonly used on automobiles and similar vehicles, and the principal object of the invention is to substantially minimize if not completely eliminate the glare of the light beam, so that it does not hinder the visibility of approaching drivers.

This object is achieved by the provision of glare eliminating members or shields which are disposed forwardly of the filaments of the lamp unit, an important feature of the invention residing in the provision of means for mounting these members or shields on the supports of the filaments.

Some of the advantages of the invention lie in its simplicity of construction, in its safe and dependable operation, and in its adaptability for use in lamp units of different types.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a front elevational view of an electric lamp unit, partially broken away, so as to reveal the invention therein.

Figure 2 is a fragmentary sectional detail, taken substantially in the plane of the line 2—2 in Figure 1.

Figure 3 is a fragmentary sectional view, taken substantially in the plane of the line 3—3 in Figure 2, and

Figure 4 is a developed plan view of the invention per se.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the general reference character 10 designates an electric lamp unit of the "sealed beam" type such as is commonly used on automobiles and similar vehicles, this lamp unit including a reflector 12 formed integrally with a lens portion 14 while a plurality of filament supports 16, 18, 20 extend inwardly into the lamp unit through the reflector 12 to carry a pair of filaments 22, 24. The supports 16, 18, 20 are provided with tubular mountings 26 and are electrically connected at the outer ends thereof to suitable terminals 28, as will be clearly apparent.

The invention resides in the provision of glare eliminating means designated generally by the reference character 30, this consisting of a flexible band 32 which is wrapped around the mountings 26 of the supports 16, 18, 20 and has overlapped, angulated end portions 34 rigidly secured together, as is clearly shown in Figure 3.

A pair of substantially triangular, laterally projecting shields or glare eliminating members 36

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are provided at longitudinally spaced points on the band 32 and are angulated so as to provide transversely extending shielding portions which are disposed forwardly of the respective filaments 22, 24, as indicated in Figure 1.

By virtue of this arrangement, the shields or members 36 will effectively prevent glare from reaching the eyes of approaching drivers, it being understood, of course, that the band 32 together with the integral members 36 is formed from suitable opaque material.

By virtue of the locking means 34, the band 32 is frictionally retained in position on the mountings 26 of the supports 16, 18, 20, it being understood that the band 32 as well as the shield members 36 are sufficiently flexible so as to facilitate adjusting of the entire device to accommodate lamp units of different types.

It is believed that the advantages and use of the invention will be clearly apparent from the foregoing disclosure and accordingly, further description thereof at this point is deemed unnecessary.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

Having described the invention, what is claimed as new is:

In an electric lamp unit of the type described, the combination of a set of three spaced filament supports disposed in triangular formation and each including a straight base portion and an offset inner portion, a set of two vertically spaced filaments extending horizontally between the inner end portions of said supports, a band extending perimetrically around the base portions of said supports and having overlapped end portions secured together for frictional retention thereof on the supports, and a pair of substantially triangular glare eliminating members integral with and projecting inwardly at longitudinally spaced points from said band, said members having vertically spaced shielding portions extending horizontally in opposite directions forwardly of the respective filaments.

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REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,215,029	Jones et al.	Feb. 6, 1917
1,440,840	Reece	Jan. 2, 1923
1,578,920	Robinson	Mar. 30, 1926
2,041,631	Athill	May 19, 1936
2,226,879	Stam	Dec. 31, 1940