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W. S. LEECH

2,450,759

DISPLAY DEVICE

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Fig. 1.

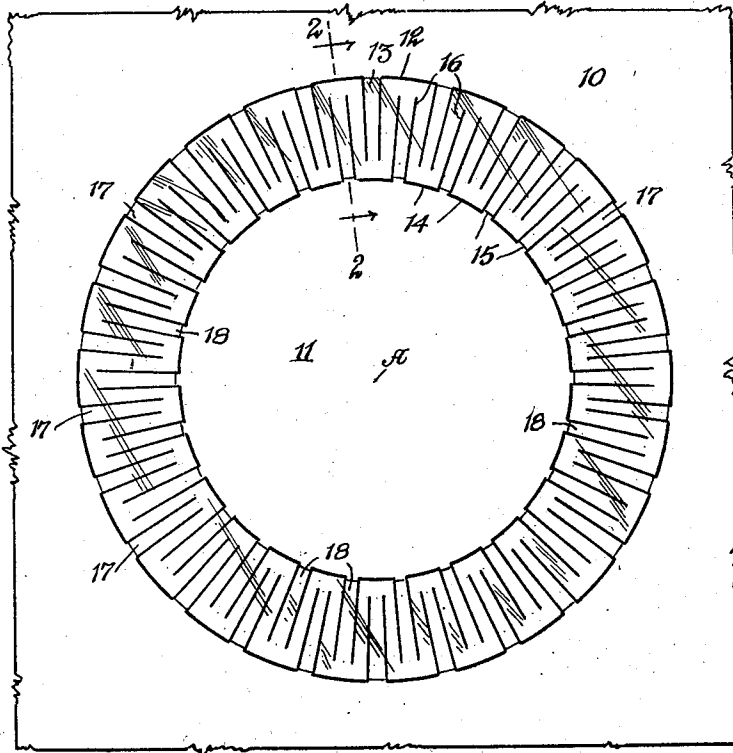


Fig. 2.



Fig. 3.

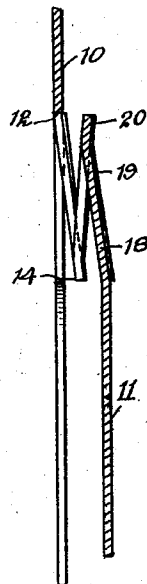
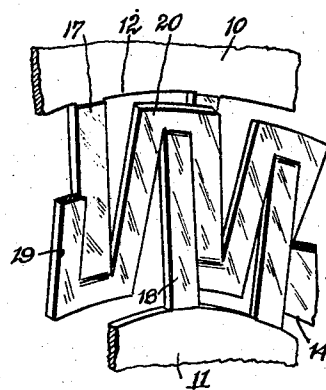


Fig. 4.



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DISPLAY DEVICE

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2 Claims. (Cl. 41-19)

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This invention relates to a new and useful improvement in display devices.

An object of the invention is to provide an exceedingly attractive display device which can be stamped out of a single sheet of material in one operation and then so manipulated to displace certain portions with respect to others that the reflection of light therefrom makes it an unusually attractive element.

Further and more specific objects, features, and advantages will more clearly appear from the specification hereinafter set forth especially when taken in connection with the accompanying drawings which illustrate a present preferred form which the invention may assume and which forms part of the specification.

In brief and general terms, the invention comprises a sheet of any material from which there is cut a sinuous strip which is connected at spaced points alternately with the inner and outer portions of the sheet whereby the strip may be displaced with respect to the plane of the sheet and be covered with glossy or shiny material to attract the eye by the novel reflection from and transmission of light through the device.

Particularly, the device includes the cut strip which is generally like a series of connected oppositely extending U-shaped sections and means such as radial connectors for connecting each section with that portion of the sheet toward which its limbs extend. In all cases, the limbs of the sinuous sections and the connecting radial connectors are disposed in lines radiating from the center of the sheet and around which center the annular strip is centered.

The present preferred form which the invention may assume is shown in the drawings, of which

Figure 1 is a plan view of a sheet showing the display form cut therein but not formed into operative display position;

Fig. 2 is a section taken on the line 2-2 of Fig. 1;

Fig. 3 is a section similar to Fig. 2 but showing the parts moved to the operative display position; and

Fig. 4 is a partial perspective view of the parts in operative display position.

Referring now merely to the specific preferred form shown in the drawings, it is seen that the device is cut in a sheet of material 10 which may be any suitable material such as heavy paper, cardboard, metal or plastic. At a desired distance from a center point A of the inner portion 11, a circle is drawn and along its circum-

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ference are made a series of cuts indicated by the heavy lines 12 and spaced apart by distances marked 13 subtending equal angles at the center point 11. Next another circle is drawn within the first circle and along its circumference are made another series of cuts 14 staggered with respect to the first series 12 and spaced apart by distances 15 subtending equal angles at the center point of 11 and equal to the angles at the center subtended by the distances 13 previously mentioned.

Next a series of radial cuts such as 16 are made of equal length extending inwardly toward the center point 11 from the ends of the cuts 12 and outwardly from the ends of cuts 14. After these cuts are made it will be observed that there are formed a series of alternately disposed, inwardly and outwardly radially extending connectors 17 and 18, the connectors 17 extending from the outer circle toward the center and the connectors 18 extending from the inner circle away from the center.

By displacing the outer portion of the sheet from the central portion or vice versa as shown in Fig. 4, it will be seen that a unique and attractive display device is formed and the portions thus disposed at an angle to the main plane of the sheet may be covered with material such as tinfoil or other glistening material to increase the light reflection from these surfaces and thus enhance the attraction to it.

The series of circumferential and radial cuts thus described will result in the production of an annular sinuous shaped strip flexibly connected to the inner and outer portions of the sheet by a series of alternately oppositely extending connectors alternately connecting the strip to the outer and inner sheet portions. The strip is somewhat like a series of U-shaped elements or sections disposed adjacent each other but in succession facing oppositely with their bases connected to the sheet portion they face by means of these above mentioned connectors. Thus, the strip can be inclined by displacing one portion of the sheet off the plane of the other and give the attractive effect mentioned. It is within the scope of the invention to also cover the inclined surfaces thus formed with glossy material if desired.

While the invention has been described in detail with respect to a present preferred form thereof as illustrated in the drawings, it is not to be limited to such details and forms since many changes and modifications may be made in the invention without departing from the spirit

and scope of the invention in its broadest aspects. Hence, it is desired to cover any and all forms and modifications of the invention which may come within the language or scope of any one or more of the appended claims.

I claim:

1. A display device which comprises a sheet of material, a series of spaced circumferential cuts formed in the sheet, a second series of spaced circumferential cuts disposed within the first series, the cuts of the second series being staggered with respect to those of the first, and a series of radial cuts of equal length extending from the ends of each circumferential cut in one series toward the series of circumferential cuts in the other series.

2. A display device which comprises a sheet of material, a series of spaced circumferential cuts formed within the sheet, a second series of spaced circumferential cuts disposed within the

first series, the cuts of the second series being staggered with respect to those of the first, a series of radial cuts of equal length extending from the ends of each circumferential cut in one series toward the series of circumferential cuts in the other series, the angles subtended at the center of the sheet by the spaces between all the cuts being equal.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
237,026	Knauff	Jan. 25, 1881
2,113,432	Paige	Apr. 5, 1938
2,337,126	Paige	Dec. 21, 1943