GLOBE MAP WHICH CAN BE INFLATED OR DEFLATED

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Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

INVENTOR.

CARL GEORGE

BY

Carl Miller

ATTORNEY
This invention relates to a global map construction.

It is an object of this invention to provide a global map construction which is formed of sections connected together at their edges and reinforced with seams or with a band and wherein the map is inflated to give the same the spherical shape.

Another object of the invention is to provide a global map construction which is simple, inexpensive to manufacture, where the reinforcing members extend along the longitudinal and vertical markings of the map, of pleasing appearance and efficient in use.

For a better understanding of the invention, reference may be had to the following detailed description, taken in connection with the accompanying drawing, in which

Fig. 1 is a perspective view of the globe which has been inflated and embodying the features of the present invention.

Fig. 2 is a vertical sectional view of the globe.

Fig. 3 is a fragmentary sectional view of the portion of the globe utilizing an inside band.

Fig. 4 is a fragmentary sectional view of the globe utilizing an inside folded seam.

Fig. 5 is a fragmentary and sectional view of the globe utilizing an outside band.

Fig. 6 is a fragmentary sectional view of the globe having an outside seam.

Referring now to the Figures 1 and 2, 10 represents a globe which is inflatable through a mouth piece 11 and which has vertical markings 12 and longitudinal or horizontal markings 13. These markings are effectuated as shown in Figs. 2 and 3 with inside attached bands 14. Also, these bands can be attached to the outside as shown in Fig. 5 at 15. If desired, the markings can be effectuated by the connecting together of sections 16 and 17 as shown in Fig. 4 by their inwardly turned seam edges 18 and 19 respectively. Also, if desired, the markings can be effectuated with outwardly turned edges 21 and 22.

It will be apparent that there has been provided a global map of the world which can be inflated or deflated and which the expansion is controlled by devices which force the globe to take the shape of a true or nearly true sphere. These devices are in the form of seams or bands applied in the process of the manufacture of the globe, either extended on the inside or outside of the globe according to the quality desired in the finished product.

Flat printed map sections which are geometrical components of a sphere are cut from rubber, plastic, rubberized cloth or any other suitable material, and then fastened together by sewing, gluing, heat or electronic sealing in such a way as to leave seams in places where they are joined. This is to be accomplished by the folding of the edges to form the seams or by placing the sections edge to edge and providing a band along the joint. The seams are made along the ends of latitude and longitude markings of the map.

It will be apparent that there is provided a global map which can be produced at low cost, that will be light in weight, easily carried and quickly accessible and can be stored in small space when deflated. It will also be seen that the map can be an educational toy or novelty. By the provision of seams the map will retain its shape after long use.

While various changes may be made in the detail construction, it shall be understood that such changes shall be within the spirit and scope of the present invention as defined by the appended claims.

Having thus set forth and disclosed the nature of my invention, what I claim is:

A global map structure comprising a plurality of elastic sections, all the said sections forming together a globe, bands connecting each pair of the said adjacent sections and of an elasticity substantially identical with that of the said sections, the said sections when combined to a globe being inflatable and the said bands connecting the said sections following the expansion of the said sections due to their substantially equal elasticity.

CARL GEORGE.

References Cited in the file of this patent

UNITED STATES PATENTS

<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>620,694</td>
<td>Goldthwaite</td>
<td>Aug. 8, 1899</td>
</tr>
<tr>
<td>930,318</td>
<td>Rehm</td>
<td>Aug. 3, 1909</td>
</tr>
<tr>
<td>1,206,957</td>
<td>Lewis</td>
<td>Dec. 5, 1916</td>
</tr>
<tr>
<td>1,383,115</td>
<td>Hendry</td>
<td>June 28, 1921</td>
</tr>
<tr>
<td>1,567,973</td>
<td>Mendelson</td>
<td>Dec. 29, 1925</td>
</tr>
<tr>
<td>1,894,228</td>
<td>Garrigue</td>
<td>May 12, 1931</td>
</tr>
<tr>
<td>2,170,339</td>
<td>Schoenberg</td>
<td>Aug. 22, 1939</td>
</tr>
<tr>
<td>2,188,369</td>
<td>Krueger</td>
<td>Mar. 12, 1940</td>
</tr>
</tbody>
</table>