July 25, 1944. J. D. KENNEDY 2,354,381

GLOBE

Filed Sept. 9, 1943 2 Sheets-Sheet 1

Fig. 1.

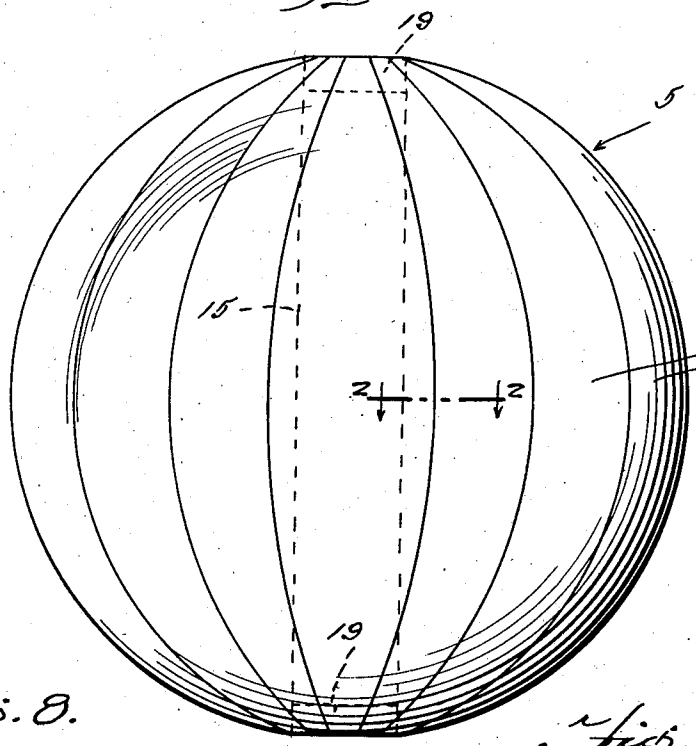


Fig. 3.

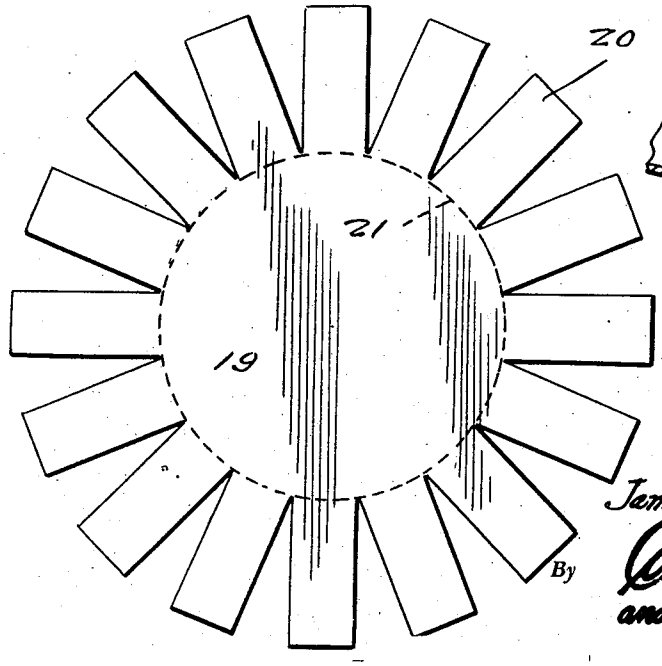
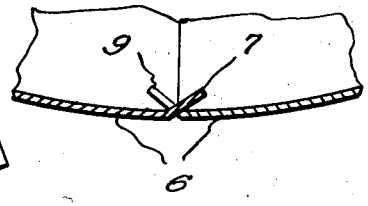


Fig. 2.



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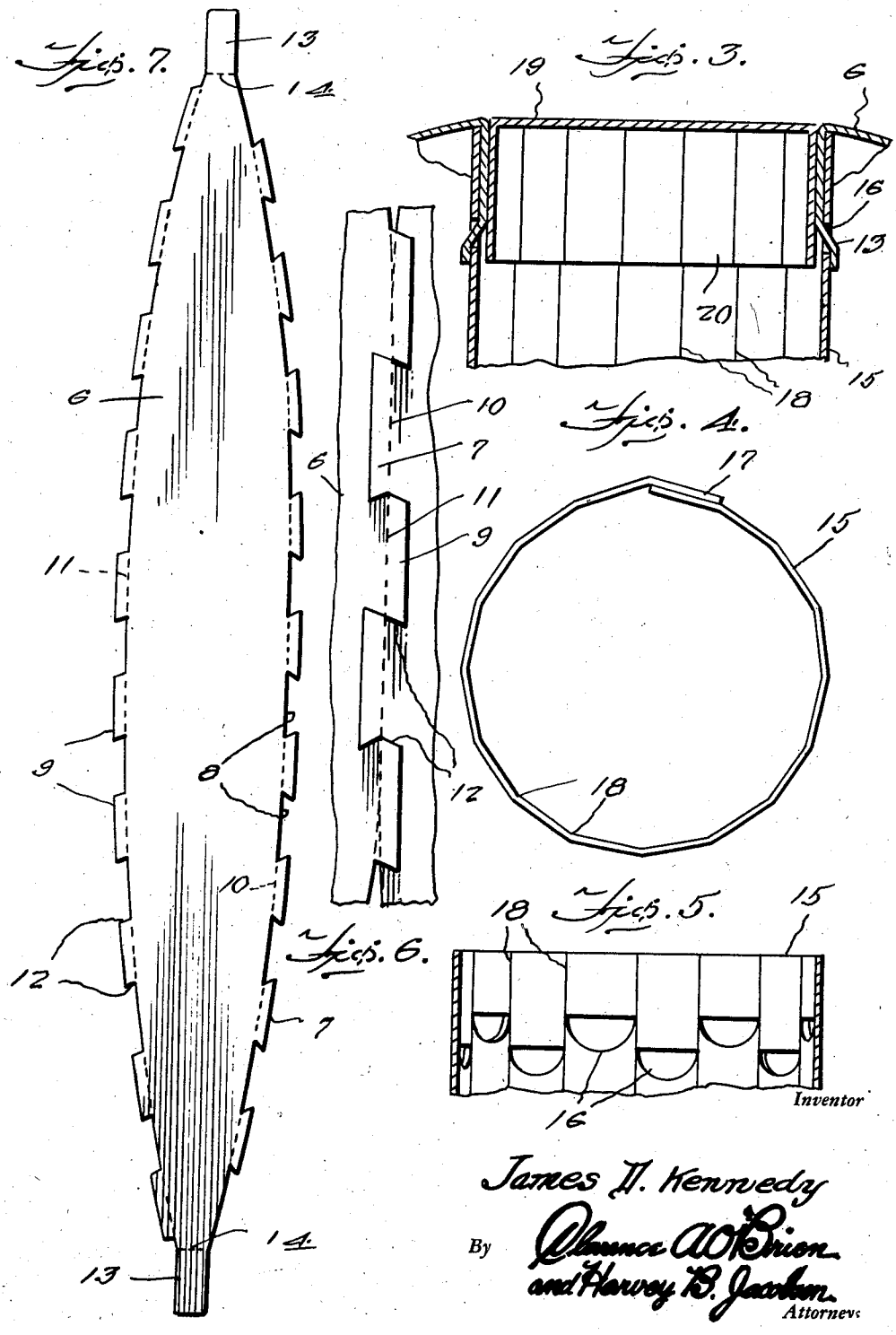
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UNITED STATES PATENT OFFICE

2,354,381

GLOBE

James D. Kennedy, Chattanooga, Tenn.

Application September 9, 1943, Serial No. 501,679

7 Claims. (Cl. 35—46)

The present invention relates to new and useful improvements in globes upon which a world map may be displayed and the invention has for its primary object to provide a segmental globe construction by means of which a desired section may be removed and replaced to show changes made in the map and thus keep the map up to date.

A further object is to provide novel interlocking means between the sections of the globe and also novel means for easily and quickly securing the sections to a central collapsible post.

Another object is to provide a globe of simple and practical construction, which is neat and attractive in appearance, relatively inexpensive to manufacture and otherwise well adapted for the purposes for which the same is intended.

Other objects and advantages reside in the details of construction and operation as more fully hereinafter described and claimed, reference being had to the accompanying drawings forming part hereof, wherein like numerals refer to like parts throughout, and in which—

Figure 1 is a side elevational view of the globe.

Figure 2 is a fragmentary sectional view taken on a line 2—2 of Figure 1.

Figure 3 is a fragmentary vertical sectional view of one end of the central post showing the interlocking means for the ends of the segments.

Figure 4 is an end elevational view of the post.

Figure 5 is a fragmentary vertical sectional view of one end of the post.

Figure 6 is a fragmentary elevational view of inside of the interconnected edges of the segments.

Figure 7 is a plan view of one of the segments, and

Figure 8 is a plan view of one of the plugs for the end of the tubular post.

Referring now to the drawings in detail, the numeral 5 designates the globe generally which is formed of a plurality of segments 6 constructed of cardboard or other light weight material of substantially elliptical form along one edge of which project dovetail tongues 7 forming similar notches 8 between the tongues and having tongues 9 along the opposite edges of the segments. The tongues 7 and 9 are adapted to be folded inwardly along their respective fold lines 10 and 11, and the tongues 9 have substantially parallel side edges 12—12 inclined toward one end of the segment and adapted for insertion in the notches 8 of an adjoining segment, the angle of the tongues 9 tending to lock the tongues against separation.

Tongues 13—13 are formed at each end of the segments adapted for folding along the transverse fold lines 14—14 over the ends of a cardboard or similar light weight tube 15, the tongues 13—13 being inserted outwardly through slots 16, the slots being staggered to permit close grouping of the ends of the segments.

The tube is constructed of a sheet of material with its edges overlapping as shown at 17 and cemented or otherwise secured together. Longitudinal fold lines 18 formed in the tube permit collapsing thereof flatly for shipping purposes.

The ends of the tube are closed by a cardboard plug 19 having radial tongues 20 foldable along the lines 21 into a cylindrical form and inserted into the end of the tube against the tongues 13 to prevent accidental displacement thereof.

The segments are constructed of a length greater than the length of the tube 15 so that when the segments are interconnected with each other and the ends thereof interconnected with the tube the segments will be curved into the form of a globe as shown in Figure 1.

The outer surface of the segments are printed or otherwise have reproduced thereon a map of the world and when geographical changes occur, the affected portion of the globe may be removed and replaced without disturbing the remaining portion of the globe.

It is believed that the details of construction and manner of use of the device will be readily understood from the foregoing without further detailed explanation.

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

1. A globe constructed of a plurality of segments, dovetail-shaped tongues projecting from the side edges of the segments and adapted for interlocking engagement with each other at adjacent edges of the segments, each of said segments having a portion of a map displayed thereon, and means for securing the ends of the segments to form a sphere.

2. A globe constructed of a plurality of segments of relatively thin bendable material, a dovetail interlocking connection between adjacent edges of the segments, each of said segments being adapted to have a portion of a map displayed thereon, a post, and means carried by the segments for connecting the ends of the segments to the post to form a sphere.

3. A globe constructed of a plurality of segments of relatively thin bendable material, a dovetail interlocking connection between adjacent edges of the segments, each of said segments being adapted to have a portion of a map displayed thereon, a tubular collapsible post hav-

ing openings adjacent each end, and tongues on the ends of the segments removably engaged in said openings to form a sphere.

4. A globe constructed of a plurality of segments of relatively thin bendable material, a dovetail interlocking connection between adjacent edges of the segments, each of said segments being adapted to have a portion of a map displayed thereon, a tubular collapsible post having openings adjacent each end, said post being of a length less than the length of the segments, and tongues on the ends of the segments removably engaged in said openings to form a sphere.

5. A globe constructed of a plurality of segments of light weight bendable material of substantially elliptical form, bendable tongues of dovetail shape along one edge of the segments and forming dovetail shaped notches between the tongues, bendable tongues on the other edges of the segments having inclined substantially parallel side edges adapted to engage in the notches of an adjacent segment to secure the segments in interlocking engagement with each other, and means for securing the ends of the segments to form a sphere.

6. A globe constructed of a pluraltiy of segments of light weight bendable material of substantially elliptical form, bendable tongues of dovetail shape along one edge of the segments and forming dovetail shaped notches between the tongues, bendable tongues on the other edges of the segments having inclined substantially parallel side edges adapted to engage in the notches of an adjacent segment to secure the segments in interlocking engagement with each other, a transversely collapsible tubular post of a length less than the length of the segments and having openings adjacent each end, and bendable tongues on the ends of the segments adapted for interlocking engagement in said openings.

7. A globe constructed of a plurality of segments of light weight bendable material of substantially elliptical form, bendable tongues of dovetail shape along one edge of the segments and forming dovetail shaped notches between the tongues, bendable tongues on the other edges of the segments having inclined substantially parallel side edges adapted to engage in the notches of an adjacent segment to secure the segments in interlocking engagement with each other, a transversely collapsible tubular post of a length less than the length of the segments and having openings adjacent each end, bendable tongues on the ends of the segments adapted for bending over the ends of the post and inwardly of the ends of the post and inserted into said openings to secure the segments thereto, and plugs adapted for tight fitting insertion into the ends of the post and extending therein a distance at least to the base of the last named tongues to retain said last-named tongues in said openings.

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