July 4, 1950 C. W. FRIEDRICH 2,513,857

PNEUMATIC SURFBOARD

Filed Feb. 5, 1946

Fig. 1.

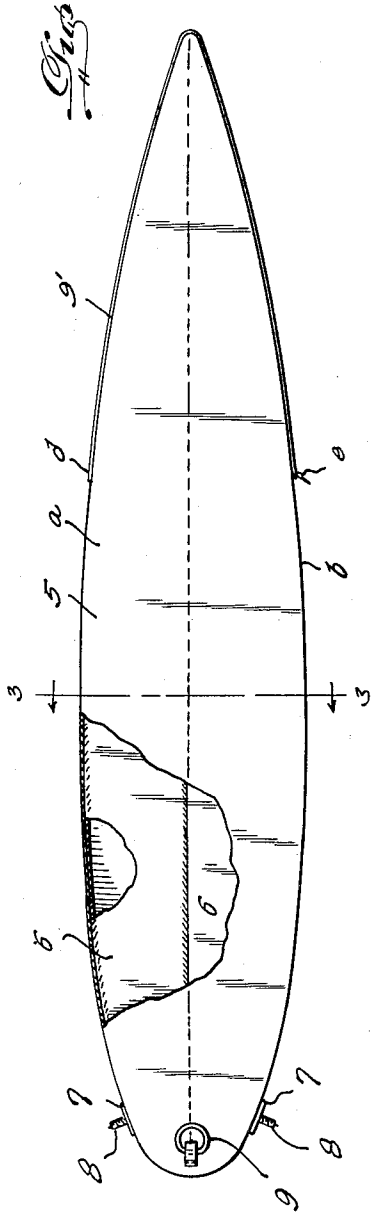


Fig. 2.

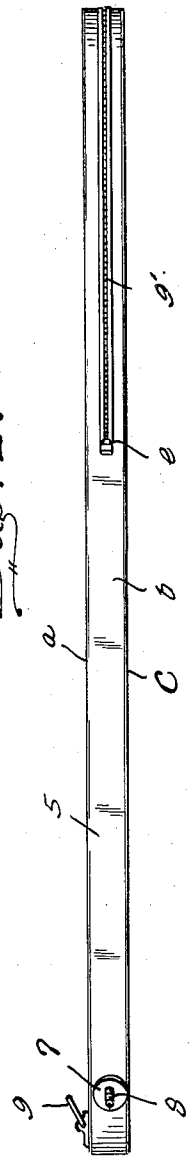
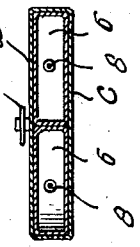


Fig. 3.



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PNEUMATIC SURFBOARD

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Application February 5, 1946, Serial No. 645,543

1 Claim. (Cl. 9—11)

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This invention relates to new and useful improvements in marine craft and more particularly to a surf board.

The principal object of the present invention is to provide a pneumatic surf board which after having been used may be deflated and stored in a small space in the luggage compartment of an automobile or elsewhere.

Another important object of the invention is to provide a pneumatic surf board having double air cells so that in the event one becomes ruptured the remaining cell or cells will serve to maintain the user afloat.

Another important object of the invention is to provide a surf board, which because of its hollow construction will be of extremely light weight and capable of being easily carried about.

Still another important object of the invention is to provide a pneumatic surf board from which the air bladders may be easily removed and repaired whenever necessary.

Other important objects and advantages of the invention shall become apparent to the reader of the following description.

In the drawing:

Figure 1 is a top plan view of the surf board with a portion broken away.

Figure 2 is an edge elevational view.

Figure 3 is a cross section taken on line 3—3 of Figure 1.

Referring to the drawings wherein like numerals designate like parts, it can be seen that the surf board includes an envelope 5 of some light weight, durable, waterproofed and perhaps gaily printed cloth.

The envelope 5 is made up of top, side and bottom walls *a*, *b* and *c* and the envelope is of a streamlined shape, somewhat in the shape of a tear-drop.

The seams which connect the walls of the envelope 5 are preferably reinforced by triple stitched cotton tape to promote durability.

It is desirable that two elongated rubber bladders 6, 6 be employed in the envelope 5, so that in the event one becomes deflated, the other will have sufficient buoyancy to maintain the user afloat. These bladders are elongated, as shown in Figure 1, and are so shaped that when put together and inflated within the envelope 5 they will fill out the envelope to the form shown. Reinforced eyes 7 are provided at the cheek portions of the envelope 5 and through these project valves from the bladders 6, these valves being denoted by numerals 8. At the top forward portion of the envelope 5 is a ring 9 which can be used when mooring the craft.

Slightly aft of the mid part of the craft a multiple fastener 9' starts at the point *d* and extends around the stern to a point on the opposite side, terminating at *e*.

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It can be seen that when this structure is deflated, it can be rolled up into a small parcel and placed in the luggage compartment of an automobile or in some other confined space.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be restored to without departing from the spirit and scope of the invention as claimed hereinafter.

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

In a collapsible surf board comprising an elongated flexible envelope having at least one slotted aperture in a portion thereof, a pair of inflatable bladders disposed interiorly of the envelope, and inflating valves upon the bladders, the features which include having the envelope shallow with flat upper and lower surface portions, and of substantially streamlined contour with narrow opposite symmetrical outwardly-arched side walls extending along the opposite edges of the upper and lower surface portions from one end to the other thereof with the slotted aperture extending a limited distance from one end of said envelope symmetrically along both side walls to form a virtually peaked opening, slide fastener closure means for said opening, a pair of reinforced eyes disposed symmetrically on both sides of said envelope in the side walls adjacent to the other end of the envelope to allow the inflating valves to extend outwardly therethrough, and having the bladders mutually adjoining longitudinally along a straight central intermediate cleavage plane in said envelope with the outer sides of said bladders extending interiorly along the length of the side walls of said envelope and conforming with the symmetrically outwardly-arched form thereof.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
1,206,696	Gulbrandsen	Nov. 28, 1916
1,262,989	Silvernail	Apr. 16, 1918
1,402,529	Nichols	Jan. 3, 1922
1,864,648	Haines	June 28, 1932
2,018,548	Currey	Oct. 22, 1935
2,216,871	Banks et al.	Oct. 8, 1940
2,355,757	Spanel	Aug. 15, 1944
2,389,729	Howland	Nov. 27, 1945

FOREIGN PATENTS

Number	Country	Date
101,633	Australia	July 16, 1937