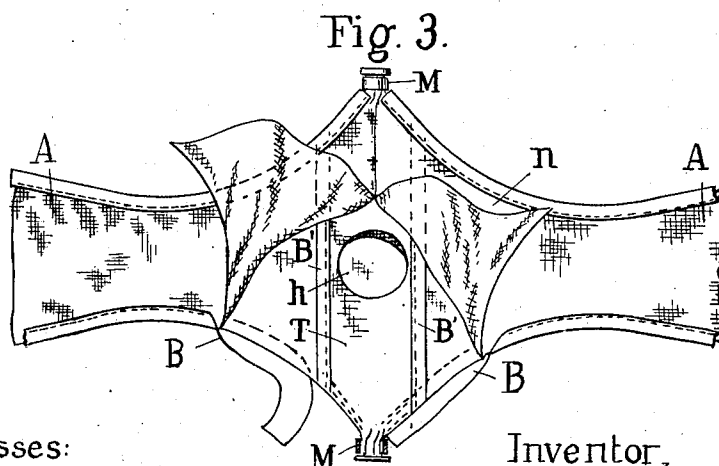
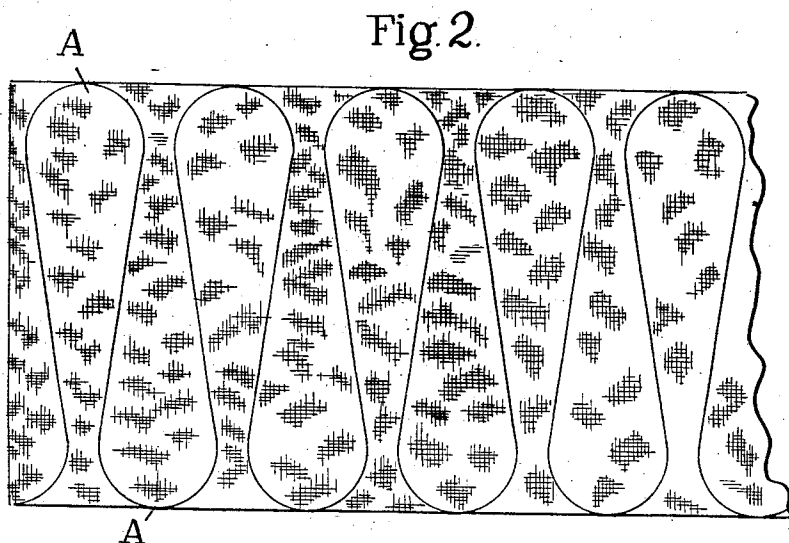
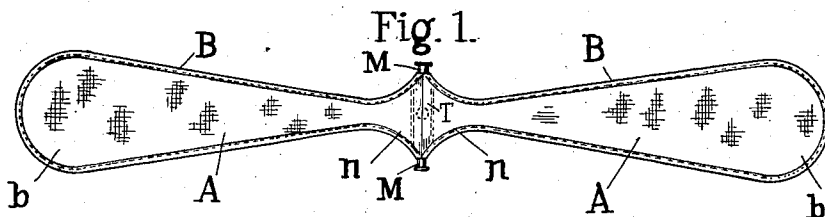


H. A. AYVAD.
SWIMMING BAG.
APPLICATION FILED FEB. 14, 1912.

1,058,402.

Patented Apr. 8, 1913.



Witnesses:

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UNITED STATES PATENT OFFICE.

HACHIG A. AYVAD, OF HOBOKEN, NEW JERSEY.

SWIMMING-BAG.

1,058,402.

Specification of Letters Patent.

Patented Apr. 8, 1913.

Application filed February 14, 1912. Serial No. 677,619.

To all whom it may concern:

Be it known that I, HACHIG A. AYVAD, a citizen of the United States of America, and a resident of Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Swimming-Bags, of which the following is a specification.

This invention relates particularly to life preservers or swimming bags of the type set forth in my former United States Letters Patent No. 673,672 issued May 7, 1901; No. 703,363 issued July 1, 1902, and No. 760,948 issued May 24, 1904, wherein an inflatable swimming bag of tight woven fabric is set forth.

The object of this invention is to provide a swimming bag of inexpensive construction of such form that the fabric for it can be cut with a minimum of waste, and to improve the reliability of the valve through which the bag is inflated.

In the accompanying sheet of drawings which form a part of this application Figure 1 is a view of the swimming bag, Fig. 2 shows the manner of cutting the blanks for the bag from sheets of woven fabric. Fig. 3 is a view to a larger scale of the portion of the bag to which the valve is attached, the bag being laid open.

The bag consists of two elongated lobes *b b* connected by neck portions *n n* and is formed from four symmetrical blanks *A A* with rounded ends *b b* and flared necks *n n*. The blanks are sewed together in pairs by joining at the ends of their necks where the necks are flared and two blanks so joined are laid on two other joined blanks and stitched together along their edges and protected by tape bindings *B B* to complete the swimming bag except the valve. The sides of the blank at one end follow a convex curve to form a lobe *b* and at the other end the sides follow a concave curve of the same radius to form a neck flared at the end. Each side forms a reversed curve with concave and convex portions of like curvature so that the blanks will fit into each other and can be cut from a bolt of fabric without waste except for a portion of one blank at each end of the bolt. This blank has a length corresponding to an even portion of

the width of the fabric. A convenient length is eighteen inches which may be cut from yard wide goods which are first split lengthwise to form breadths from which the blanks are cut as shown.

The valve consists of a tube *T* which is conveniently formed from strips of the same fabric as the bags. The edges of the strips are sewed together with tape bindings *B' B'* and the tube is laid transversely through the flared portion of the neck. It is of a length equal to the width of the neck and is stitched at each end to the neck portions of the inclosing blanks and held stretched and kept from crinkling. A hole *h* is punched through one or both sides of the tube at the middle to afford communication between the tube and the interior of the bag. At one or both ends of the tube are fitted metal mouthpieces *M M* through which the bag is inflated. The valve is closed by pressing on the bag over the tube, thus pinching the sides of the tube together. It is held closed by capillary action as the bag is only used when wet. By having two valves, if one should stick recourse can be had to the other.

In use the neck of the bag underlies the body of the swimmer and the lobes fold up and are pressed against his side by the buoyancy of the water. The folding is principally at the narrow portions of the neck where the bag will bend most easily when inflated.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A symmetrical blank for an inflatable swimming bag, such blank having each side edge a reversed curve with concave, and convex portions of like curvature, substantially as described.

2. An inflatable swimming bag having enlarged portions joined by a neck, and a valve located in the neck consisting of a mouthpiece and a collapsible porous valve tube of woven fabric with a transverse opening therethrough, the tube being secured at each end within the neck and the mouthpiece being secured to one end of the valve tube, substantially as described.

3. An inflatable swimming bag having enlarged end portions joined by a neck, and a valve located in the neck consisting of

a pair of mouthpieces and a collapsible porous valve tube of woven fabric with a transverse opening therethrough, the tube being secured at each end within the neck
5 and the mouthpieces being secured to the ends of the valve tube, substantially as described.

Signed by me at New York, N. Y., this
thirteenth day of February, 1912.

HACHIG A. AYVAD.

Witnesses:

SAMUEL M. BALCH,
JOHN BURT, JR.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents
Washington, D. C."