March 2, 1926. 1,575,255

J. CZYZYKOWSKI

SWIMMING GARMENT

Filed June 16, 1924

Fig. 1.

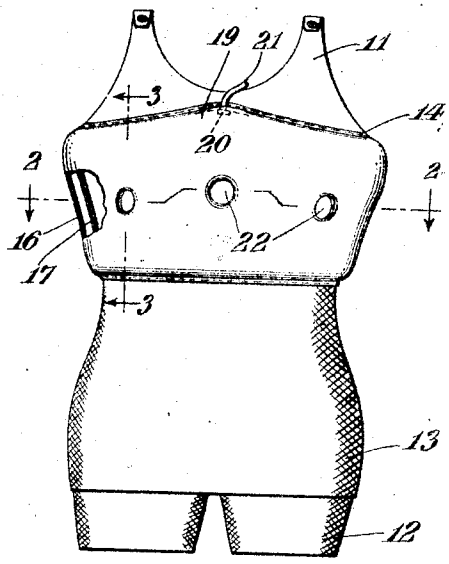



Fig. 2.

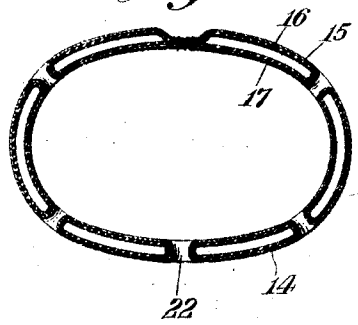



Fig. 3.

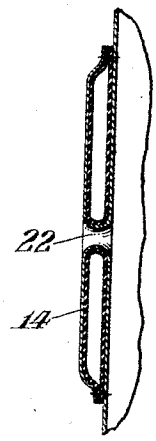



Fig. 4.

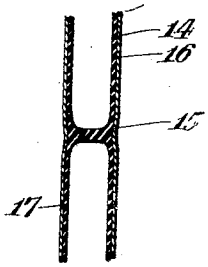



Fig. 5.

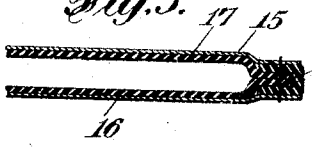
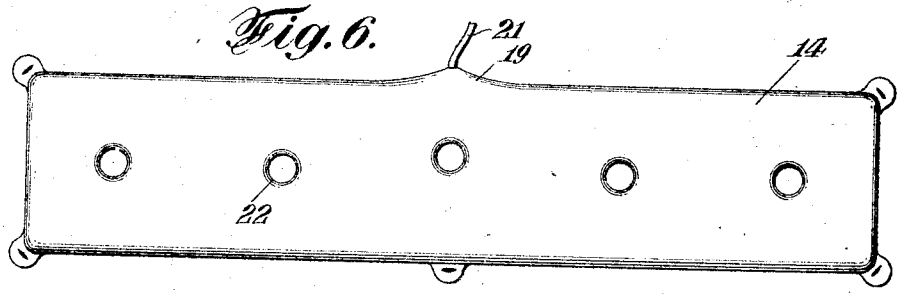



Fig. 6.




INVENTOR

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BY Marion Reilly

his ATTORNEY

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# UNITED STATES PATENT OFFICE.

JULIAN CZYZYKOWSKI, OF HARRISON, NEW JERSEY.

## SWIMMING GARMENT.

Application filed June 16, 1924. Serial No. 720,165.

*To all whom it may concern:*

Be it known that I, JULIAN CZYZYKOWSKI, a citizen of Poland, residing at Harrison, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Swimming Garments, of which the following is a specification.

This invention relates to improvements in swimming garments for bathers, swimmers and others, and it is the principal object of the invention to provide a garment which is combined with an inner, inflatable air bag of any design, shape or form and material adapted to hold air under moderate compression in order to sustain and support the body of the user when in the water.

Another object of my invention is the provision of a tight fitting, sleeveless garment having bloomers permanently attached thereto with an air bag made of silk plush or other suitable material provided with a number of ventilating openings allowing the circulation of air between body and bag or garment in order to make the wearer comfortable.

A further object of the invention is the provision of a combined bathing garment and air bag provided with suitable means for keeping the air bag in shape and with means for preventing an over-charge of the bag with air.

A still further object of the invention is the provision of an inflatable swimming garment, the air bag of which may conveniently be used separate from the garment and in combination with a one or two piece bathing suit.

It is also one of the objects of my invention to provide an air bag and garment of relatively thin, light and impervious structure adapted to produce the best possible buoyant effect when inflated and capable of being readily attached to a bathing suit in order to make the floating easy, and positively preventing any danger of drowning.

Other objects and advantages of my device will become more fully known as the description thereof proceeds and will then be specifically pointed out in the appended claim.

In the accompanying drawing, forming a material part of this disclosure:—

Figure 1 is a front elevational view of an embodiment of the invention, parts being broken away to illustrate the interior construction.

Figure 2 is a cross-section through the device on line 2—2 of Figure 1.

Figure 3 is a longitudinal section on line 3—3 of Figure 1.

Figure 4 is a fragmentary sectional view, illustrating part of the rubber bag and its canvas cover.

Figure 5 is a fragmentary cross-sectional view of the buoyant element on an enlarged scale.

Figure 6 is a plan elevation of the floating element, separate from the garment.

The conventional type of bathing suit, either two piece garment as shown, or a one piece suit for men, women or children, has the customary arm opening 11 and abbreviated legs 12 over which the skirt portion 13 of the garment extends in the usual manner.

The garment may be made of any suitable material in full fashion effect and is to all intents and purposes an ordinary commerrial article.

The air bag or buoyant device, generally indicated by the numeral 14, has any desired appropriate shape, as for instance illustrated in Figure 6, and completely covers the breast, extending around the sides as indicated in Figure 1, and may be attached to the inner face of the garment by sewing along its marginal lines or edges and, if desired, stitched at intervals to securely attach it to the garment and to remain thereon in proper position.

The bag is made preferably of an outer woven textile fabric 15, such as canvas, and an inner bag composed of two sheets of thin rubber 16 and 17 bound together by a flexible rubber tape 18 enclosed in the canvas casing.

At the central apex 19 of the bag is inserted an air inlet valve 20 equipped with a flexible tube 21 to which the mouth may be applied in filling the rubber bag with air, the valve automatically closing at each inspiration of air and capable of being depressed when it is desired to deflate the bag.

A plurality of ventilating air holes 22 are appropriately provided to allow a free circulation of air around the body of the person making use of the swimming device so that he will experience no discomfort. These holes are suitably surrounded by eyelets or air stays which tend to permit the bag to keep its shape, or other suitable

strengthening means may be employed for this and pads are provided at the corners and centers to make contact with the garment.

In operation, the bag in its canvas casing, is attached within the garment, is inflated and then the garment is donned, or the inflation may take place after the garment is drawn over the body.

From the foregoing it will be seen that a simple device has been disclosed, capable of keeping the bather, etc., floating with no inconvenience, so that the danger of drowning is minimized and a bursting of the bag is effectively avoided, the bag being such that it can be vulcanized to keep the stays and other strengthening means or attachments in place so that it will always maintain its proper desired shape. The bag may be cheaply made of any suitable material, such as rubberized cloth, canvas, silk plush or any material adapted to keep air therein, and may have any design, shape or form suitable for the purpose in question.

The bag can either be used with a one or a two piece bathing garment or may also be used with equal facility, alone without the garment in which case it is equipped with suitable fastening means such as bands, etc. The canvas cover and the eyelets or stays, as well as the seams, will keep the bag from bursting and retain its shape while the air circulation will greatly add to the comfort of the wearer.

Changes may be made in the general arrangement and in the construction of the minor details of my invention without departing from the scope of the appended claim and violating the spirit of the invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is:—

A substantially rectangular band of impervious material doubled and seamed to form an air holding sack, said band having means at its corners to engage about a person's body, and having a plurality of ventilating openings on the center line thereof, a re-enforcing casing on the outer surface of said band, means for inflating the band, and a valve controlling said inflating means.

In witness whereof I have signed my name to this specification.

JULIAN CZYZYKOWSKI.