July 28, 1925. 1,547,518

N. OGRODNICK

LIFE PRESERVER

Filed March 26, 1925 2 Sheets-Sheet 1

FIG. 1.

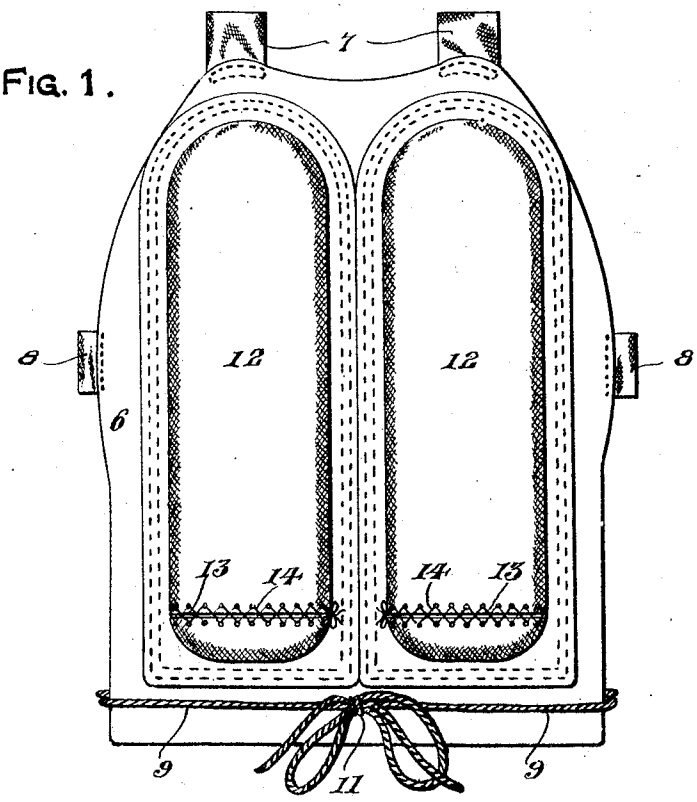
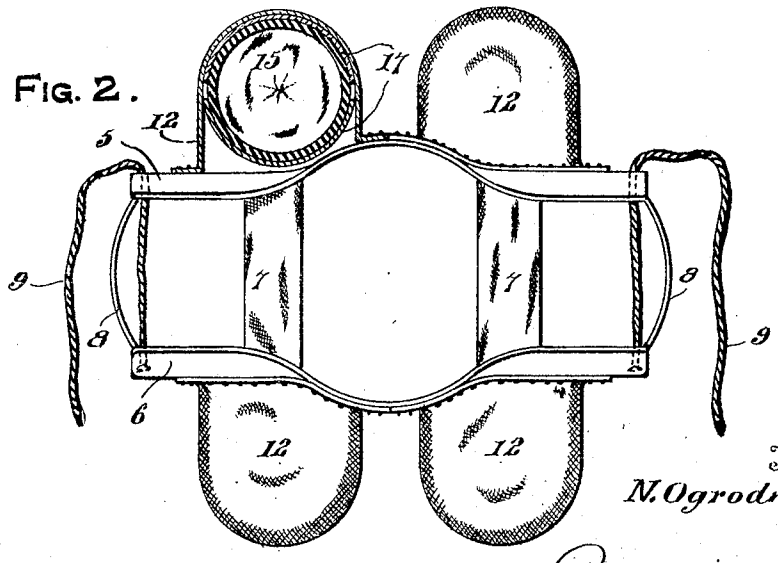


FIG. 2.



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Filed March 26, 1925 2 Sheets-Sheet 2

FIG. 3.

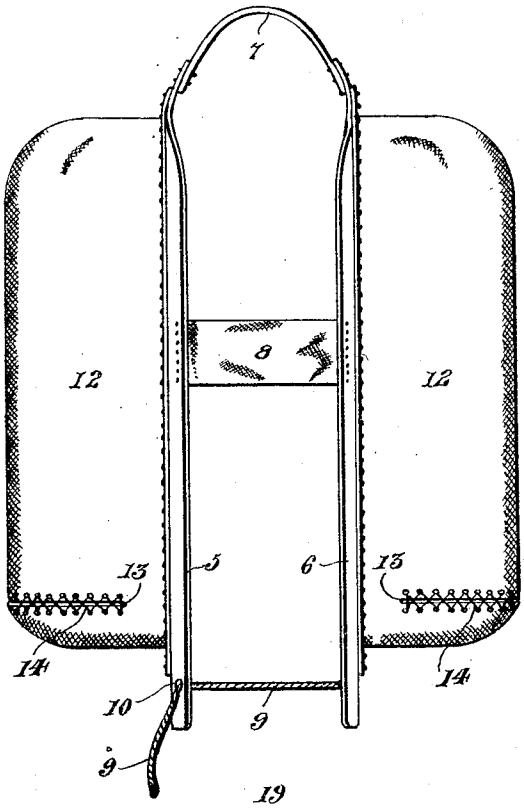


FIG. 4.

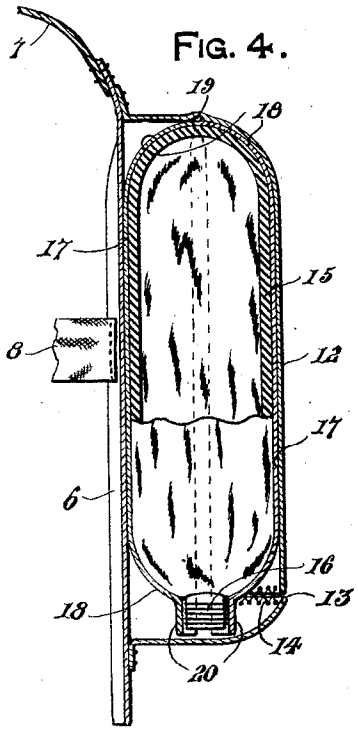


FIG. 8.

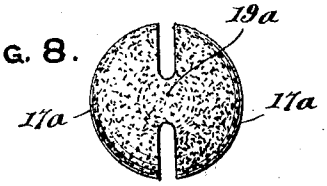


FIG. 5.

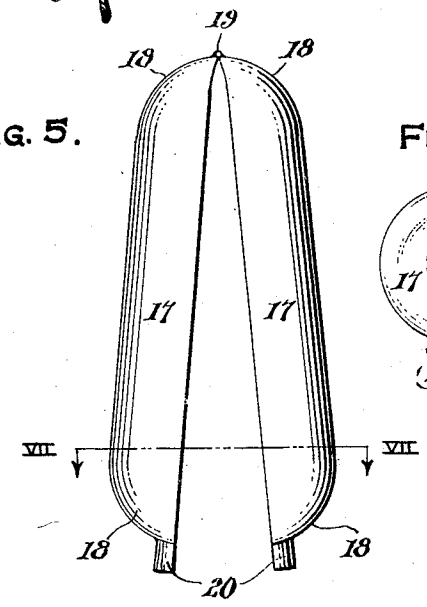


FIG. 6.

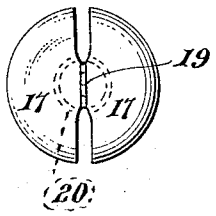
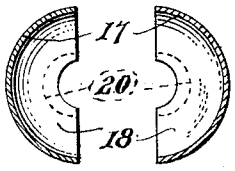


FIG. 7.



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UNITED STATES PATENT OFFICE.

NICHOLAS OGRODNICK, OF GIRARDVILLE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO MATT STROCK, OF GIRARDVILLE, PENNSYLVANIA.

LIFE PRESERVER.

Application filed March 26, 1925. Serial No. 18,557.

To all whom it may concern:

Be it known that I, NICHOLAS OGRODNICK, a citizen of the United States of America, residing at Girardville, in the county of Schuylkill and State of Pennsylvania, have invented certain new and useful Improvements in Life Preservers, of which the following is a specification.

This invention relates to improvements in life preservers of the inflatable type.

The primary object of this invention is to provide a novel form of life preserver of the inflatable type which includes a plurality of independent compartments, each of which is provided with an inflatable bag.

A further object of the invention is to provide a protector element for each inflatable bag which will prevent the latter from being punctured while in use.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawings forming a part of this specification and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a front elevational view of a life preserver embodying this invention,

Figure 2 is a top plan view partly in section, of the life preserver shown in Fig. 1,

Figure 3 is a side elevational view of the life preserver shown in Figs. 1 and 2,

Figure 4 is a fragmentary view, partly in section and partly in elevation, of a portion of the garment or vest and one compartment which contains an inflatable bag and its protecting element,

Figure 5 is a side elevational view of one form of inflatable bag protector element,

Figure 6 is a top plan view of the protector shown in Fig. 5,

Figure 7 is a transverse sectional view taken upon line VII—VII of Fig. 5, and

Figure 8 is a similar view to Fig. 6, but illustrates a modified form of protector.

In the drawings, wherein for the purpose of illustration is shown a preferred embodiment of this invention, the numerals 5 and 6 designate the front and rear portions or sides of a vest or garment which is provided with the shoulder straps 7 and side straps 8 suitably secured to the edges of the garment or vest parts 5 and 6, as illustrated. This garment or vest is intended to be positioned upon the wearer with the head of the latter projecting from between the shoulder straps 7. To tightly fasten this garment or vest upon the user, the cords 9 are fastened to the lower corners of the back 6 and are laced through suitable openings 10 in the lower corners of the front 5 for being tied, as at 11, in front of the user.

Each part 5 and 6 is provided with a pair of parallel extending, elongated compartments 12 which are transversely cut at 13, adjacent their lower ends, for permitting the insertion of the inflatable bag which is employed with each compartment. To close the transversely extending opening 13, after the inflatable bag has been inserted in the compartment, the lacing member 14 is employed as best illustrated in Figs. 1, 3 and 4.

The inflatable unit positioned within each compartment 12 is best illustrated in Figs. 2 and 4 and includes an elongated unit 15 which may be formed of rubber or the like, closed at one end and provided with a filler nozzle 16 at its remaining end, which end is preferably located at the end of the compartment provided with the opening 13 so that the bag may be inflated without entirely being removed from its compartment 12.

To protect the inflatable bags 15 for preventing the same from being punctured, by any means, while in use, the two different types of protector elements shown in Figs. 5 to 8 inclusive may be used. The form shown in Figs. 5 to 7 inclusive consists of a pair of similarly-shaped, semi-cylindrical elements 17 which are rounded at their opposite ends 18, as best illustrated in Fig. 5. The adjacent ends of the semi-cylindrical elements 17 are hinged together at 19 for permitting the parts to be moved away from each other to allow for the insertion of an inflatable bag therebetween. The remaining adjacent ends of the elements 17 are provided with complemental, semi-cylindrical projections 20 which will enclose the filler nozzle 16 of an inflatable bag for protecting the same. It is to be understood that this form of protector is to be made from a suitable metallic material, such as sheet tin, aluminum or the like. The form of protector shown in Fig. 8 includes the opposite parts 17^a, which are of the same shape as the parts 17 in the form shown in Figs. 5 to 7 inclusive. These parts, however, are formed of a moldable or fabric material, or if desired

from leather and are connected at their upper ends by a strip 19ª which will permit the parts 17ª to be separate for allowing an inflatable bag 15 to be inserted therebetween.

It is to be understood that the forms of this invention herewith shown and described are to be taken as preferred examples of the same, and that various changes in the shape, size, and arrangement of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

Having thus described the invention, I claim:—

1. In a life preserver of the type described, a garment portion, a plurality of compartments formed thereon, an inflatable bag in each compartment, and a protector unit for each inflatable bag positioned between the walls of the bag and the walls of the compartment.

2. In a life preserver of the type described, a garment portion, a plurality of compartments formed thereon, an inflatable bag in each compartment, and a protector unit for each inflatable bag positioned between the walls of the bag and the walls of the compartment, each protector unit including a pair of opposite, relatively movable elements.

3. In a life preserver of the type described, a garment portion, a plurality of compartments formed thereon, an inflatable bag in each compartment, and a protector unit for each inflatable bag positioned between the walls of the bag and the walls of the compartment, each protector unit including a pair of opposite, hingedly connected elements.

4. In a life preserver of the type described, a garment portion, a plurality of compartments formed thereon, an inflatable bag in each compartment, and a protector unit for each inflatable bag positioned between the walls of the bag and the walls of the compartment, said protector units each including a pair of opposite, hingedly connected rigid elements.

In testimony whereof I affix my signature.

NICHOLAS OGRODNICK.