S. CZICZIRIGA.

SWIMMING APPARATUS.

APPLICATION FILED AUG. 23, 1919.

1,329,073.

Patented Jan. 27, 1920.

2 SHEETS—SHEET 1.

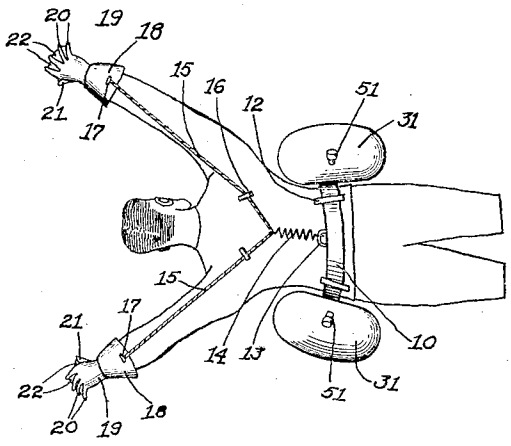
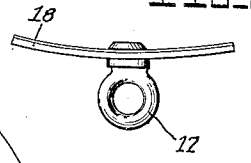


FIG. 1

FIG. 3



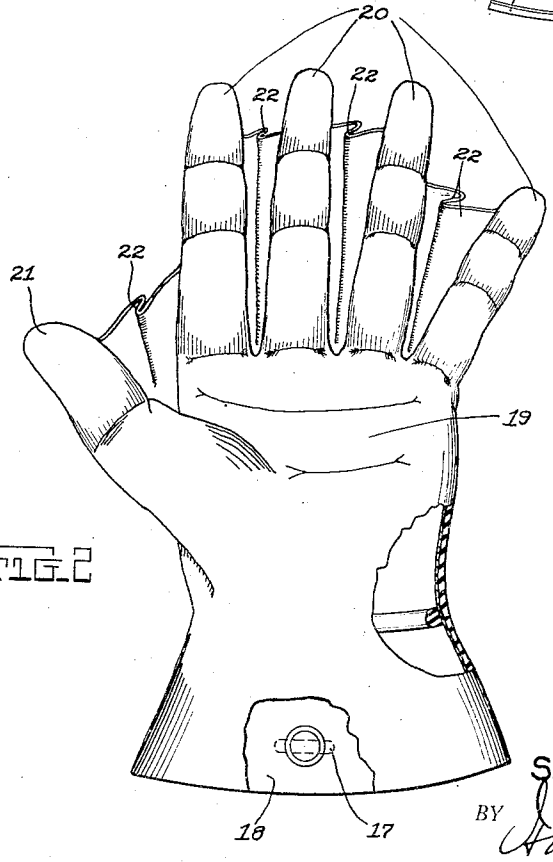


FIG. 2

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2 SHEETS—SHEET 2.

FIG. 4

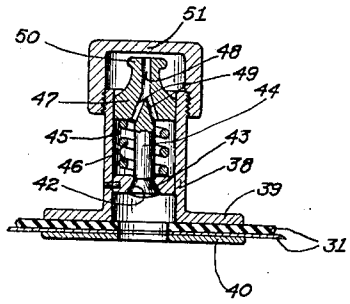


FIG. 5

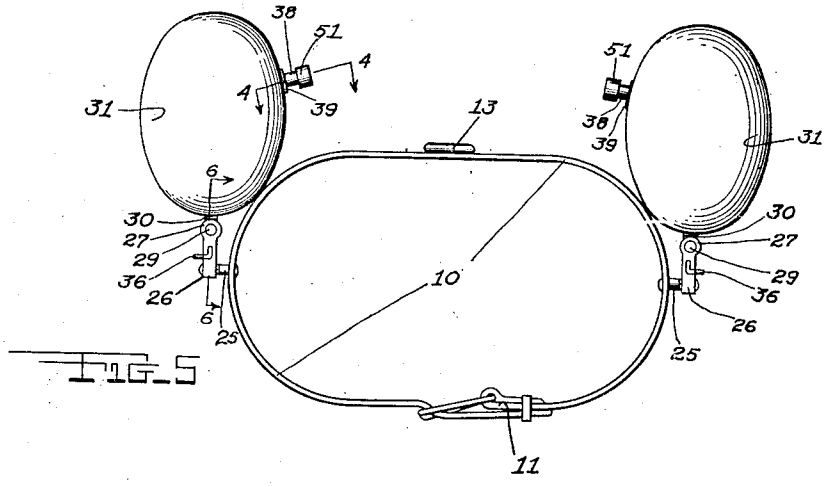
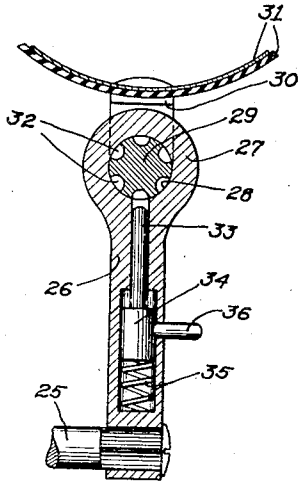


FIG. 6



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SWIMMING APPARATUS.

1,329,073. Specification of Letters Patent. Patented Jan. 27, 1920.

Application filed August 23, 1919. Serial No. 319,461.

To all whom it may concern:

Be it known that I, SZILARD CZICZIRIGA, a citizen of Hungary, residing at Coatesville, county of Chester, and State of Pennsylvania, have invented certain new and useful Improvements in Swimming Apparatus, of which the following is a specification.

This invention has for its object the provision of means to enable a swimmer to safely float when in water.

Another object being to provide a pair of swimming gloves by the use of which the operator is enabled to make better progress through the water than with his bare hands.

A further object is to provide means for engaging the inflatable floats in a convenient manner to the waist, and connecting means by which the gloves are prevented from loss.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawings, forming a material part of this disclosure, and in which—

Figure 1 is a partial rear elevational view showing the application of the invention.

Fig. 2 is a front elevational view showing one of the swimming gloves, parts being broken away in order to show the construction.

Fig. 3 is a fragmentary plan view of one of the eyes by which the gloves are secured.

Fig. 4 is a fragmentary longitudinal sectional view taken on line 4—4 of Fig. 5, showing the valves by which the air in the floats is controlled.

Fig. 5 is an enlarged top plan view of the float apparatus, and

Fig. 6 is a sectional view taken on line 6—6 of Fig. 5, showing the means by which the floats may be adjustably positioned.

Referring to the drawings in detail, the numeral 10 indicates a belt, provided with a buckle 11 by which it may be adjusted to suit the waist of the wearer, the belt being held in position by the customary belt loops 12 attached to the garment as clearly shown in Fig. 1.

At the rear of the belt is an eye 13, to which is engaged the lower end of a coiled tensional spring 14, the upper end of the spring engaging in the bight of the cord 15, carried in guides 16 and attached at its ends to eyes 17 which are firmly secured in the gauntlet or wrist portions 18 of the gloves 19.

These gloves are formed with fingers 20 and thumbs 21 between which are secured flexible elements 22, so that when the fingers of the operator's hands are spread, and the flexible elements act in the manner of a web presenting relatively large areas, to make contact with the water, the operators will be enabled to swim with ease.

Firmly engaged with the belt 10, at the side of the operator, are studs 25, having secured at their ends angularly projecting bars 26, formed with enlarged curved heads 27, in which are openings 28 receptive of spindles 29 formed with bases 30, firmly engaged at the ends of the floats 31 comprised of rubber or like flexible material, so as to support the same.

Formed in the spindles 29 are a plurality of recesses 32 engageable with plungers 33, adapted to move longitudinally within the bars 26, the plungers being formed with cylindrical heads 34 pressed outward by coil springs 35, and operable by extending handles 36, engageable in angular slots in the bars. Thus by moving the handles 36, the spindles 29 may be rotated into any desired position, and held when adjusted by the plungers 33 entering any of the several recesses 32 formed therein.

Arranged on the sides of the floats 31 are air valves consisting of a body 38, having a flanged portion 39 and upon the inner side of the float are similar flanges 40, so as to form an air-tight joint. Formed in the valve body 40 is a valve seat 42 in which is engageable a valve 43, its stem 44 extending outward into an opening 45 at the outer end of the body 38, and surrounded by the coil spring 46, one end of which rests against the valve seat and the other against the head 47 at the outer end of the stem.

Formed through the head 47 is an opening 48, having a plurality of branches 49 extending into the space 45 so that when the valve is unseated, air may be taken in or released as desired. The end 50 of the valve head is suited to receive a rubber hose from a hand pump or the like, while the valve body is normally covered by a cap 51, having interior screw threads engaging with similarly formed threads at the end of the body.

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

1. In a swimming device, the combination with a belt, and means for securing said belt in position, of a pair of oppositely dis-

posed inflatable floats, adjustable connections extending between said floats and said belt, means for holding said floats when in an adjusted position, valves for inflating said floats, a spring engaged with said belt, a pair of swimming gauntlets, and connections between each of said gauntlets and said spring, whereby said gauntlets are held against loss.

2. In a swimming apparatus, the combination with a flexible belt, and means for securing said belt in the waist of a wearer, of a pair of swimming gloves, a flexible connection extending between said gloves adjacent to said belt, a spring engaging between said connection and said belt whereby said gloves are prevented from becoming loose, studs fixed at opposite points in said belt, bars engaged on said studs extending to the front, a pair of floats, valves for controlling the inlet and outlet of air to said floats, projections extending outwardly from the ends of said floats, recessed spindles carried by said projections, said spindles entering openings formed at the ends of said bars, plungers movable in said bars adapted to engage with the recesses, and means for manually actuating said plungers whereby said floats may be positioned angularly with reference to said belt.

In testimony whereof I have affixed my signature.

SZILARD CZICZIRIGA.