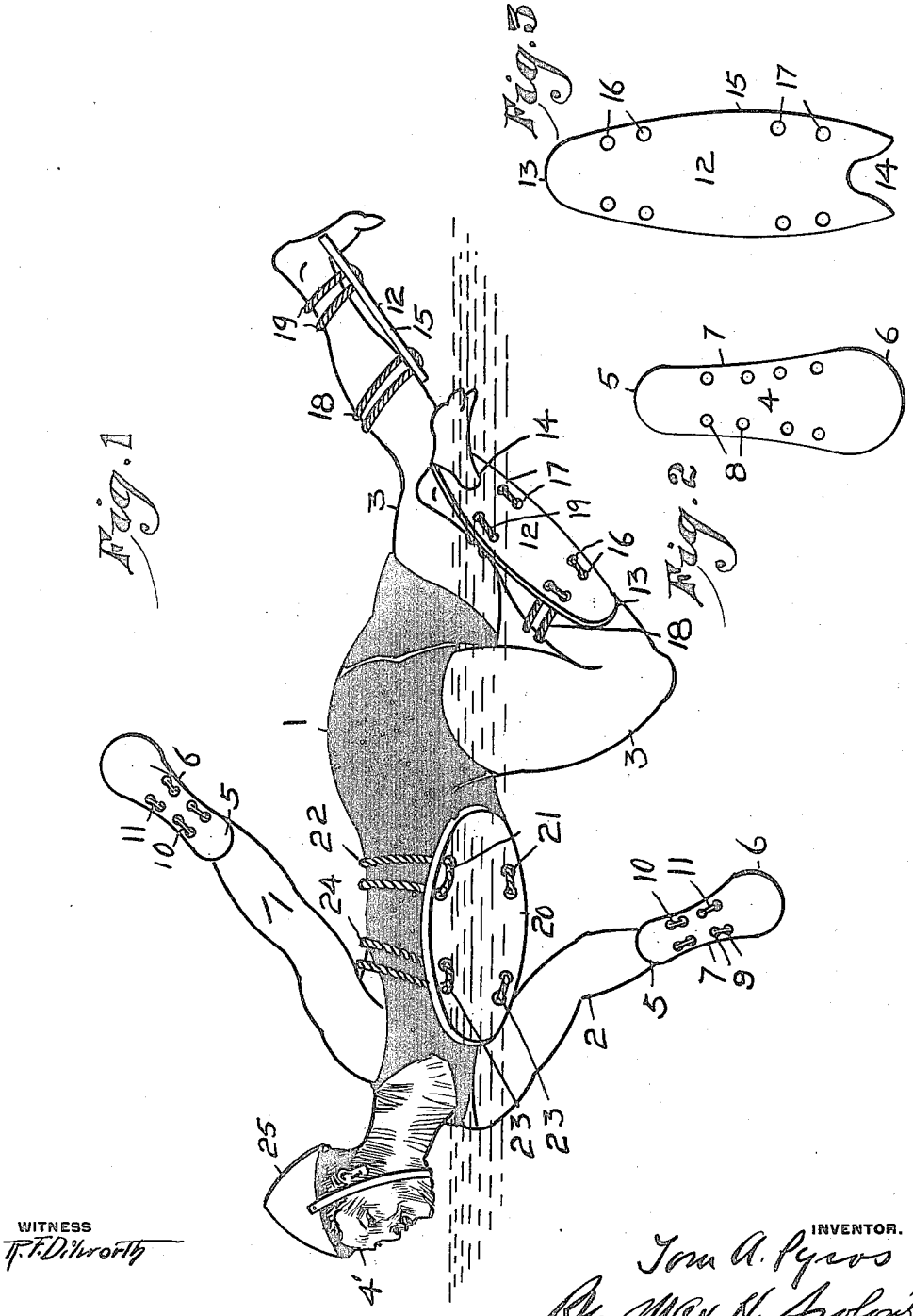
T. A. PYROS.

SWIMMING APPLIANCE.

APPLICATION FILED FEB. 12, 1917.

1,231,646. Patented July 3, 1917.



WITNESS

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SWIMMING APPLIANCE.

1,231,646. Specification of Letters Patent. Patented July 3, 1917.

Application filed February 12, 1917. Serial No. 148,131.

To all whom it may concern:

Be it known that I, TOM A. PYROS, a citizen of the United States of America, residing at Pittsburgh, county of Allegheny, and State of Pennsylvania, have invented certain new and useful Improvements in Swimming Appliances, of which the following is a specification.

This invention relates to swimming appliances and has for its object to provide an appliance of such class, in a manner as hereinafter set forth, for maintaining the swimmer afloat at the same time assisting in increasing the impulse obtained from the strokes of the arms and limbs over natural conditions.

Further objects of the invention are to provide a swimming appliance which is simple in its construction and arrangement, strong, durable, efficient and convenient in its use, readily mounted in position upon the body of the swimmer and comparatively inexpensive to manufacture.

With the foregoing and other objects in view the invention consists of the novel construction, combination and arrangement of parts, as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is found an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a perspective view showing the adaptation of the appliance in connection with the body, arms, and limbs of the swimmer.

Fig. 2 is a plan view of one of the arm paddles.

Fig. 3 is a like view of one of the limb paddles.

Referring to the drawings in detail 1 denotes the body, 2 the arms, 3 the limbs and 4′ the head of the swimmer.

Adapted to be secured to each of the arms of the swimmer and project beyond the hand is a paddle consisting of a flat body 4 of buoyant material having a rounded inner end 5 and a rounded outer end 6 and with the side edges upon an inclined concavo-convex curvature as at 7. The body 4 increases in width from the inner toward the outer end and in proximity to each edge 7 said body 4 is provided with two pairs of openings, one pair indicated at 8 and the other pair at 9. The pairs of openings 8 are opposite to each other and a like arrangement is had with respect to the pairs of openings 9. The pairs of openings 8, 9 are employed for the passage of flexible elements 10, 11 for the purpose of securing the paddle to the arm of the wearer.

Adapted to be positioned against the shin of each limb 3, as well as overlapping the foot, is a limb paddle consisting of a body 12 of flat buoyant material having the forward end thereof rounded as at 13 and the rear end formed with a recess 14 to permit of the seating of the body 12 against the instep and so that said body will overlap the foot as illustrated in Fig. 1. Each of the side edges of the body 12 is of slight convexo-concave curvature as at 15, and said body 12 increases in width from its forward end to a point beyond the transverse center thereof and then gradually decreases in width from said point toward the rear end of the body.

The forward end of the body 12 is formed near each edge 15 with a pair of openings 16 and said body 12 near its rear end, near each edge 15, has a pair of openings 17. The pair of openings 16 oppose each other and the pairs of openings 17 oppose each other. The openings 16 are provided for the passage of a flexible member 18, and the openings 17 are provided for the passage of a flexible member 19. The members 18, 19, are employed for securing the body 12 to the limb of the swimmer.

Adapted to be secured against the chest of the swimmer is a flat oval-shape buoyant member 20 having openings 21 for the passage of a flexible member 22 and further having openings 23 for the passage of a flexible member 24. The said flexible members 22, 23, are employed for securing the buoyant member 20 to the body of the swimmer.

The buoyant member 20 is employed for the purpose of maintaining the swimmer afloat while swimming.

The arm paddles are of a width greater than the lower portion of the arm so as to project beyond the same and a similar arrangement is had of the limb paddles with respect to the limbs.

The reference character 25 denotes a cap made of any suitable material, buoyant is desired, and which is worn by the swimmer.

The flat paddles increase the impulse derived from the stroke of the arms and limbs over the impulse obtained under natural conditions which is when the appliance is not used.

The buoyant member 20 is of great assistance in maintaining the body afloat when an appliance is used by a person just learning to swim. The body is also assisted to float by the paddles as they are also made of buoyant material.

What I claim is:—

In swimming appliances a limb paddle formed of a flat buoyant member having a pair of curved side edges, a rounded forward edge and a recessed rear edge, said recessed edge permitting of the member straddling the foot of the wearer and said member further having in proximity to each side edge, pairs of openings for the passage of means for securing the member to the limb of the wearer.

In testimony whereof I affix my signature in the presence of two witnesses.

TOM A. PYROS.

Witnesses:
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