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DIVING APPARATUS FOR SWIMMING POOLS

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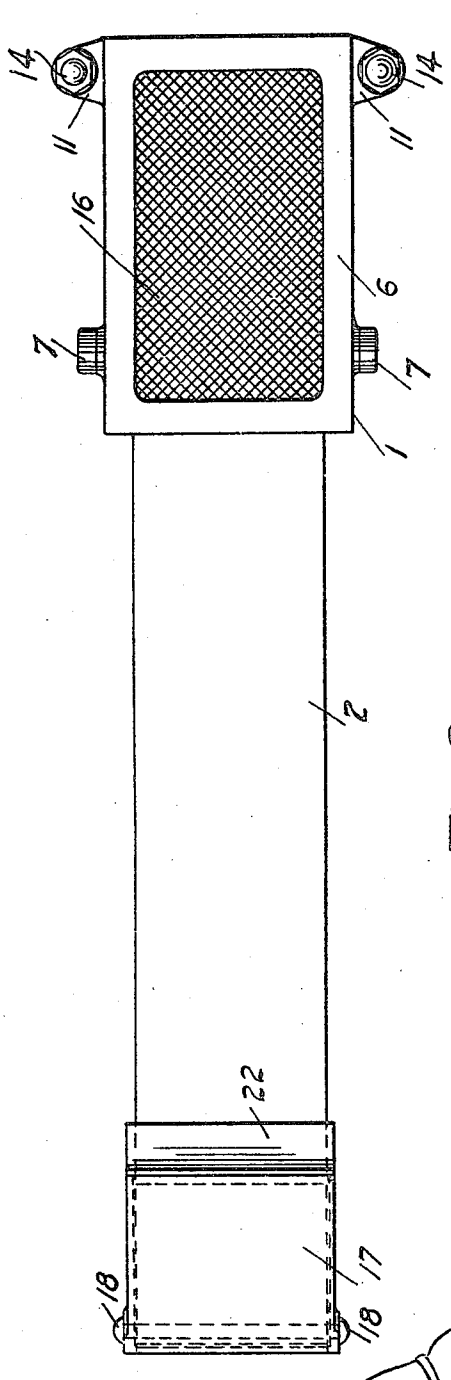


Fig. 2

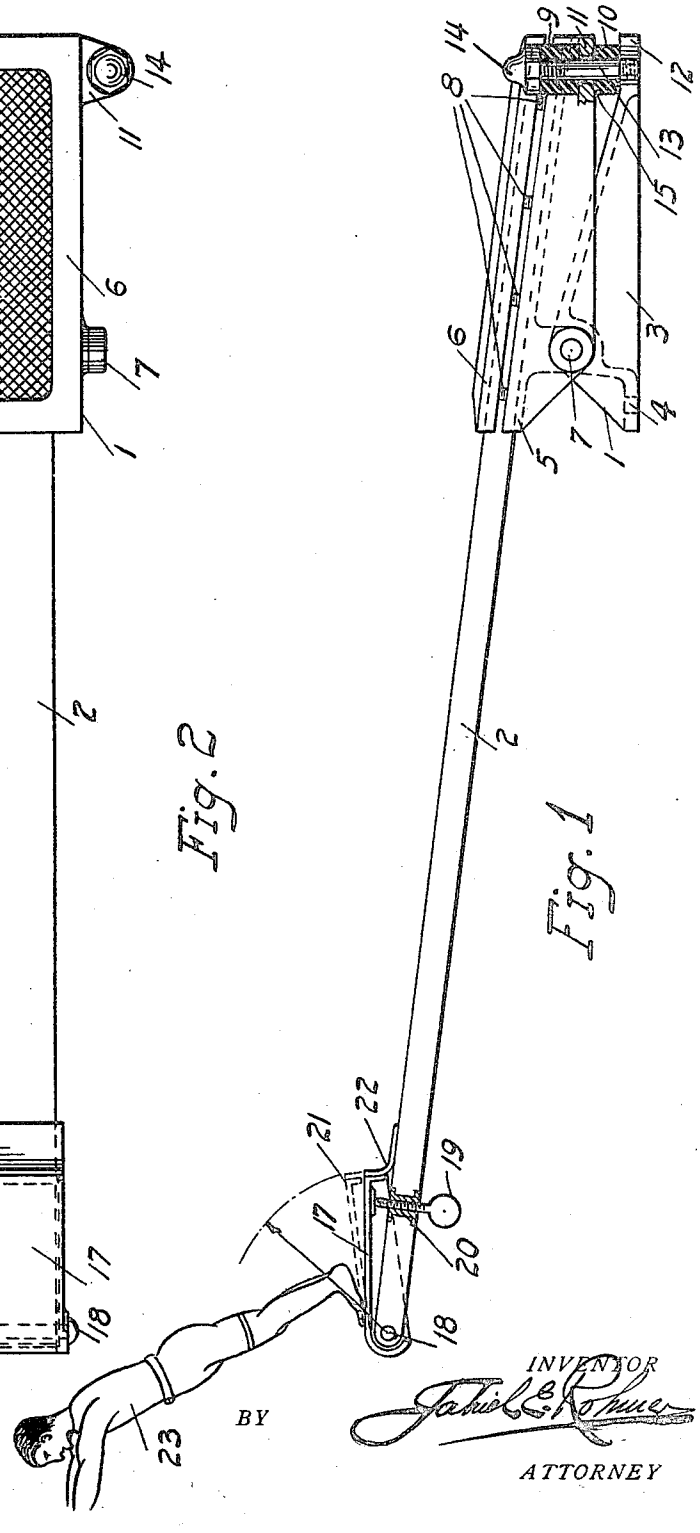


Fig. 1

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DIVING APPARATUS FOR SWIMMING POOLS.

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My invention relates to an improved method and apparatus enabling bathers to obtain better foothold and more rational postures in diving from the spring board, thereby exerting greater diving efforts on the elastic means provided within the apparatus. Another object of this invention is also to provide an apparatus wherein the chances for breakage or snapping of the spring board itself, will be greatly reduced or completely eliminated.

With these objects in view, my invention comprises the novel features, combinations and arrangements of parts, hereinafter more fully described, with reference to the accompanying drawings, in which, Fig. 1 is a side elevation of a preferred type of my diving apparatus, while Fig. 2 is a plan view. Similar reference characters indicate corresponding parts throughout the drawings.

My apparatus consists of the spring board holder (1) and its spring board (2). The spring board holder is preferably made of bronze or of enameled malleable iron. Its base (3) is provided with holes (4), at both ends, for anchoring the apparatus to its foundation at the edge of a swimming pool. Upon the base, the upper and lower spring board housing members (5 and 6) are arranged to pivot around the fulcrum point (7) and by means of the bolts (8), tightly clamp the spring board.

Elastic means for the apparatus are provided by the two sets of rubber cushion pads (9 and 10), disposed on the upper and lower faces of the lugs (11). These lugs are located at the lower lateral sides of the spring board housing member (5), and the lugs (12) cast in the base of the apparatus, provide anchoring means for the bolts (13) and their cap nuts (14).

In order to permit free oscillations of the lower spring board housing member, around the pivoted fulcrum point, the bolts (13) are of a diameter smaller than the hole (15), in the lugs (11), or pivoted means can also be arranged for the bolts at their anchoring points in the lugs (12).

To obtain a perfect foothold of the bare feet of the bathers on the spring board holder, a rubber mat (16) is provided on the upper surface of the upper spring board holder housing member (6).

The board (2), usually made of well seasoned hard wood, is provided, at the diving end, with a slanting platform (17), pivoted at (18). The thumb screws (19) housed in the screw threaded plugs (20), provide the means of giving different slants to the slanting platform, as shown at (21). The rubber flap (22) affords protecting means for the bare feet of the bathers.

In its operation, my diving apparatus is intended to serve two different purposes:

Firstly, the spring board, with its slanting platform, enables divers to comfortably take efficient postures when diving, because the center of gravity of the diver (23), for instance, and in the position shown, lends itself to an efficient and comfortable position when diving, therefore, the kick exerted by the feet will be greater.

Secondly, any kick or jump given by the diver, on the diving end of the board, is immediately brought to bear on the pivoted fulcrum point of the spring board holder and, in turn, transmitted to the elastic rubber pads.

These rubber pads, on account of their elasticity, create oscillations, which are amplified at the diving end of the spring board, in the ratio established by the unit distance existing between the pivoted fulcrum and the center of the elastic means of the spring board holder, multiplied by the free length of the spring board.

Aside from the greater diving jumps obtainable by divers using my apparatus, I also claim that the elastic and springy means provided in my device, will eliminate sharp impacts, straining to the breaking point, the wooden board itself, thereby eliminating the chances of very serious accidents to users. It is obvious that while I have only illustrated one specific embodiment capable of use, it is to be understood that in the practice of my improved method, details of construction may be considerably modified by others, conversant with the art, without in any way departing from the spirit of my invention.

What I claim is:—

1. A diving apparatus comprising a base, a board pivoted intermediate its ends to said base, anchoring means holding the board to the base at a point opposite the diving end and cushioning means at said anchored end.

2. A diving apparatus comprising a board having a diving platform, a pivoted fulcrum supporting said board intermediate its ends, means for anchoring said board at the end opposite the diving platform and cushioning means at said anchored end.

3. A diving apparatus comprising a base, a board pivoted intermediate its ends to one end of the base, anchoring means at the opposite end of the base holding said board and cushioning means co-operating with said anchoring means.

4. A diving apparatus as in claim 2 and means for adjusting said cushioning means.

5. A diving apparatus as in claim 2 and an adjustable diving platform on said board.

6. A diving apparatus as in claim 2, a diving platform pivoted to said board and means for adjusting said platform about said pivot.

7. A diving apparatus as in claim 2 in which said cushioning means comprises a plurality of elastic pads.

8. A diving apparatus as in claim 2, said anchoring means comprising a plurality of bolts attached to the base and said cushioning means comprising a plurality of rubber pads surrounding said bolts.

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