July 9, 1929. S. A. KORNSWEET 1,720,081

BATHING BEACH FLOAT

Filed Jan. 10, 1928

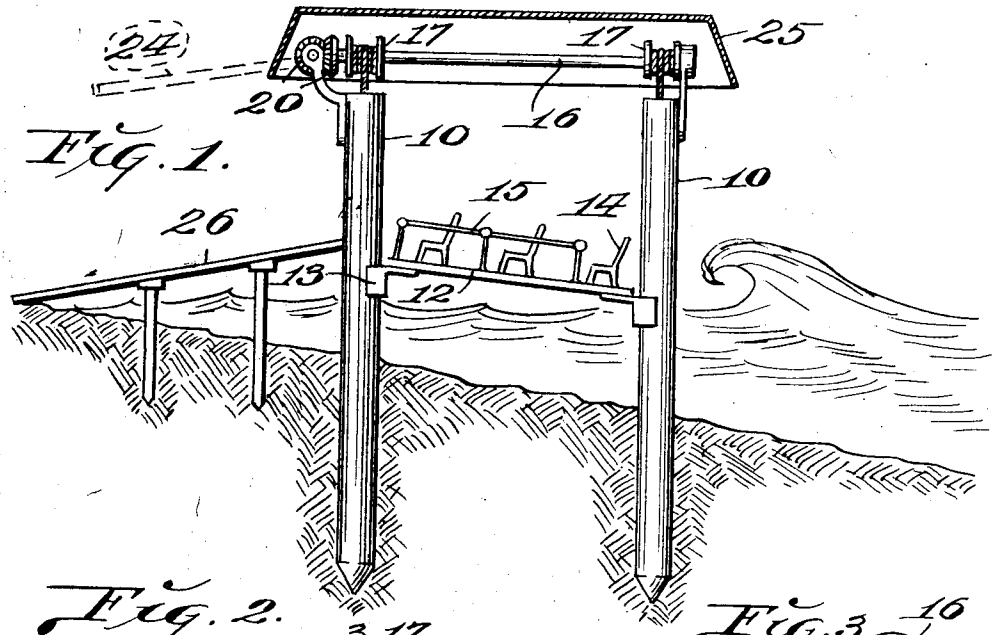


Fig. 1.

Fig. 2.

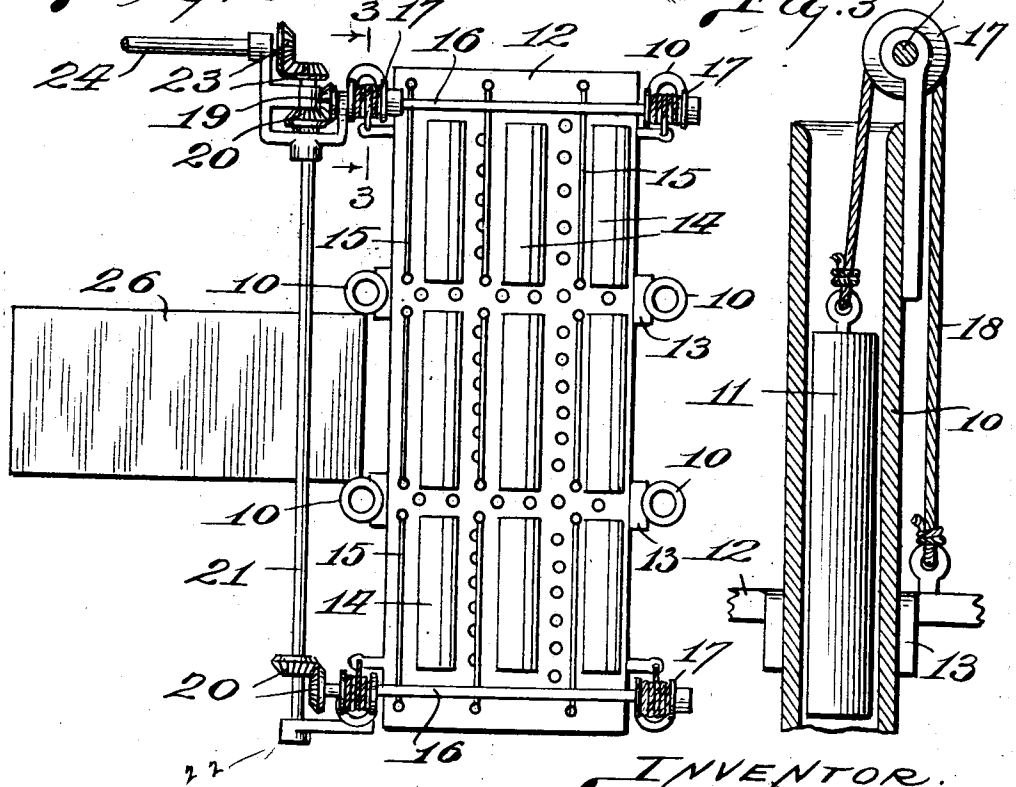


Fig. 3.

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UNITED STATES PATENT OFFICE.

SAMUEL A. KORNSWEET, OF VENICE, CALIFORNIA.

BATHING-BEACH FLOAT.

Application filed January 10, 1928. Serial No. 245,794.

My invention relates to a bathing beach float and has for its principal objects, the provision of a float or platform of considerable size in order that it may accommodate a number of bathers, to arrange said platform between a plurality of stationary upright members such as piles, to provide means whereby the float or platform may be adjusted vertically so that the waves will wash or break over the platform throughout the different stages of the tide, and further, to provide a device of character referred so that it will enable bathers to enjoy the pleasure of waves breaking over them without the attendant danger of being drawn out into deep water by the undertow or outward movement of the water.

A further object of my invention is to provide an adjustable float or platform for bathers and to mount thereon fixed seats or benches to be occupied by the bathers and to arrange, adjacent to said seats or benches, fixed rails that may be grasped by the occupants of the seats while the waves are breaking over the float or platform and the occupants thereon.

With the foregoing and other objects in view, my invention consists in certain novel features of construction and arrangement of parts that will hereinafter be more fully described and claimed and illustrated in the accompanying drawing, in which—

Fig. 1 is an end elevational view of a bathing beach float of my improved construction.

Fig. 2 is a plan view of the float.

Fig. 3 is an enlarged vertical section taken approximately on the line 3—3 of Fig. 2.

Referring by numerals to the accompanying drawings, which illustrate a practical embodiment of my invention 10—10 designate piles, preferably of metal or reinforced concrete, the lower portions of which are embedded in the sand or earth formation beneath a bathing beach, and these piles or upright supports are preferably arranged in two rows, and said rows occupying planes parallel with each other and approximately parallel with the shore line.

The upper portions of these piles or supports are made tubular in form in order to accommodate counter-balancing weights 11 for the vertically adjustable platform 12, that is positioned between the two rows of piles.

This platform is preferably formed of metal or reinforced concrete, and arranged on its front and rear edges, are shoes or bearings blocks 13 that engage the piles while the platform is being adjusted vertically to meet the different tide conditions of the ocean.

The platform 12 is perforated in order to permit the water to pass therethru, and arranged on top of the platform and rigidly fixed thereto, are seats or benches 14 for the accommodation of the occupants of the platform and arranged directly in front of these seats, are benches and handrails 15 that are adapted to be grasped by the occupants of the seats or benches and especially while the larger waves are breaking over the platform.

Arranged for rotation in suitable bearings on the upper portions of the piles or supports at the ends of the two rows, are shafts 16, upon which are arranged drums 17, which drums carry the coiled portions of flexible members 18, preferably chains or cables and one end of each chain or cable is connected to the platform 12, while the other end is connected to the counter-balancing weight 11 within the corresponding pile or support 10.

The inner ends of the shafts 16 or the ends adjacent to the shore are provided with bevelled gear wheels 19, which mesh with corresponding bevelled gear wheels 20, the latter being carried on a shaft 21 that is journaled in bearings 22 and one end of said shaft 21 is connected by bevelled gears 23 to a drive shaft 24 that extends from a suitable power plant located on the beach adjacent the shore line.

If desired, the driving connections 23 and 24 may be dispensed with and shaft 21 rotated by means of an electric motor that is located in a suitable housing on the upper portion of one of the piles.

A suitable canopy or awning 25 may be arranged on a suitable support above the upper ends of the piles, thus protecting the occupants of the float from the direct rays of the sun, and in order that bathers may readily enter and leave the float, an inclined platform or ramp 26 extends from the beach, outwardly and upwardly, to a point between the central pair of piles in the row adjacent to the shore line

When the platform 12 is properly positioned between the two rows of piles, and

connected to the various cables 18, I prefer to arrange the platform so that it is slightly inclined with the lowermost edge adjacent to the outer row of piles. This arrangement permits the water to more readily run off the platform and at the same time, it enables the occupants of the platform to obtain the pleasure and benefit of different degrees of wave force as the waves break over the platform.

If desired, electric lights may be arranged beneath the canopy 25 and thus the float may be illuminated at night.

It is intended that the counter-balancing members 11 be of such weight as to practically counter-balance the weight of the platform 12 and thus, comparatively little power will be required to operate the driving connections that raise and lower the platform.

Thus, it will be seen that I have provided a bathing beach float that is relatively simple in construction, capable of being readily adjusted vertically to suit different tide conditions, and said platform enabling bathers to enjoy the benefits and pleasure of waves breaking over them without danger of being dawn out into deep water by said waves or the undertow.

It will be understood that minor changes in the size, form and construction of the various parts of my improved bathing beach float may be made and substituted for those herein shown and described without departing from the spirit of my invention, the scope of which is set forth in the appended claims.

I claim as my invention:

1. In a bathing beach float, a series of upright posts having their lower portions anchored in the ground, the upper portions of which posts are tubular, a platform arranged to move vertically between said posts, winding drums arranged for operation at the upper ends of said posts, cables arranged for operation on said drums, counterbalancing weights arranged in the tubular upper portions of said posts, said cables being connected to said counterbalancing weights and to said platform and means for simultaneously rotating said winding drums.

2. In a bathing beach float, a series of upright posts having their lower portions anchored in the ground, the upper portions of which posts are tubular, a platform arranged to move vertically between said posts, winding drums arranged for operation at the upper ends of said posts, cables arranged for operation on said drums, counterbalancing weights arranged in the tubular upper portions of said posts, said cables being connected to said counterbalancing weights and to said platform, means for simultaneously rotating said winding drums, and bearing blocks on said platform for engaging the posts during the vertical movement of said platform.

In testimony whereof I affix my signature.

SAMUEL A. KORNSWEET.