

Aug. 25, 1936.

F. K. MIN

2,052,240

WATER SKATE

Filed Nov. 6, 1935

2 Sheets-Sheet 1

Fig. 1.

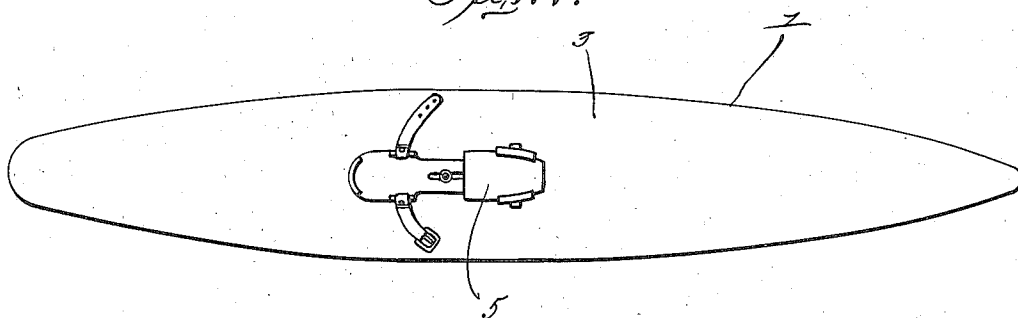


Fig. 3.

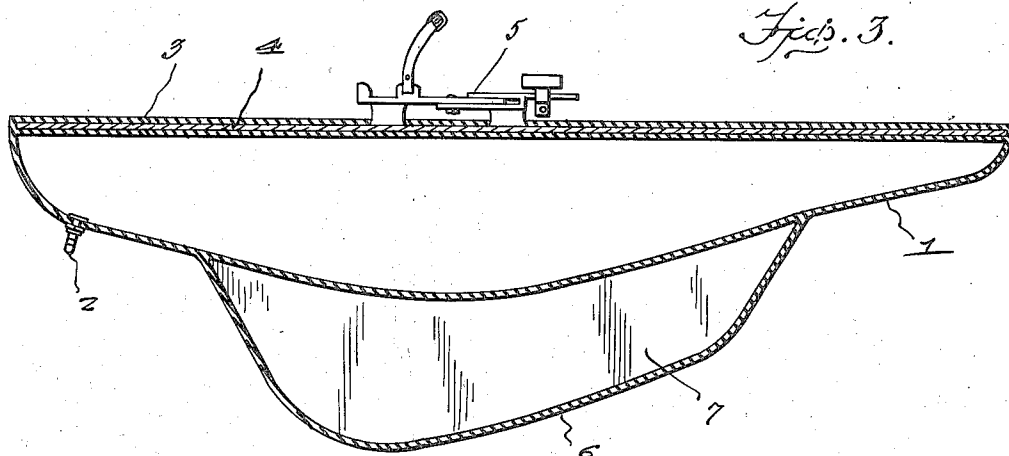
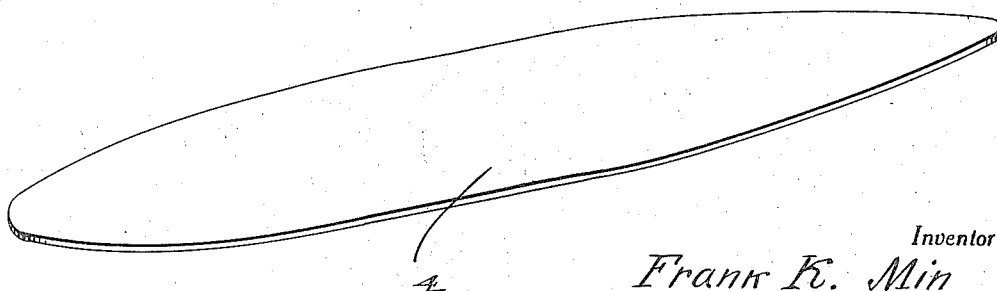


Fig. 5.



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Fig. 2.

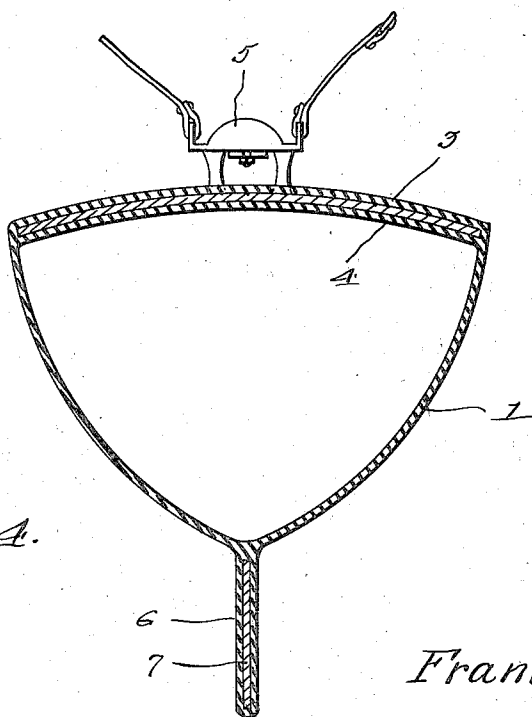
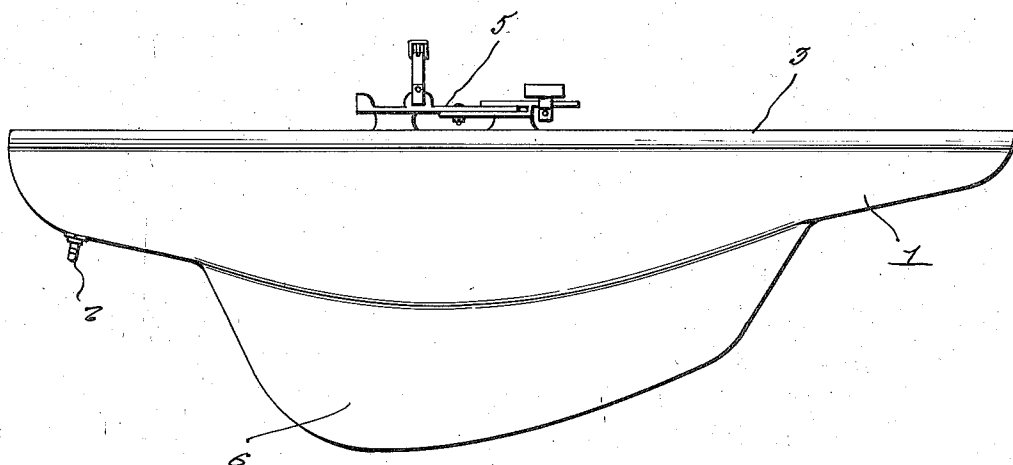


Fig. 4.

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UNITED STATES PATENT OFFICE

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WATER SKATE

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Application November 6, 1935, Serial No. 48,579

3 Claims. (Cl. 9—21)

The present invention relates to new and useful improvements in water skates and has for its primary object to provide, in a manner as hereinafter set forth, a device of this character comprising a construction which is such that a person, standing in an upright position, may propel himself over the surface of the water.

Other objects of the invention are to provide a water skate of the aforementioned character which will be comparatively simple in construction, strong, durable, highly efficient and reliable in use, light in weight and which may be manufactured at low cost.

All of the foregoing and still further objects and advantages of the invention will become apparent from a study of the following specification, taken in connection with the accompanying drawings wherein like characters of reference designate corresponding parts throughout the several views, and wherein:—

Figure 1 is a view in top plan of a water skate constructed in accordance with the present invention.

Figure 2 is a view in side elevation thereof.

Figure 3 is a vertical longitudinal sectional view.

Figure 4 is a view in vertical transverse section through the invention.

Figure 5 is a detail view in perspective of the metallic plate which is mounted in the top of the device.

Referring now to the drawings in detail, it will be seen that the embodiment of the invention which has been illustrated comprises an elongated, streamlined, inflatable body 1 of suitable material, preferably rubber. The body 1 is preferably of substantially the cross-sectional shape shown to advantage in Figure 4 of the drawings and said body is provided with a suitable inflating valve 2 in its rear end portion.

The top 3 of the body 1 is arcuate in cross-section and comparatively thick and embedded therein is a metallic plate 4. Rigidly secured to the metallic plate 4 and rising from the top 3 is a suitable securing means 5 which is adapted to receive either the shoe or the bare foot of the person using the device.

Depending from the lower portion of the body 1 is an integral keel 6. As best seen in Figure 4 of the drawings, the keel 6 has embedded therein a metallic plate 7.

It is thought that the manner of using the device will be readily apparent from a consideration of the foregoing. One of the devices is, of course, secured on each foot of the wearer and

the body 1 is inflated through the valve 2. The buoyancy of the two devices being used will be sufficient to support a person standing in an upright position on the surface of the water and locomotion may then be accomplished by moving the legs substantially in the manner employed when roller or ice skating. The keel 6 functions as a weight to normally maintain the device in an upright position on the water. The keel also assists in the propulsion of the device by substantially eliminating or materially reducing side slipping.

It is believed that the many advantages of a water skate constructed in accordance with the present invention will be readily understood, and although a preferred embodiment of the device is as illustrated and described, it is to be understood that changes in the details of construction and in the combination and arrangement of parts may be resorted to which will fall within the scope of the invention as claimed.

What is claimed is:—

1. A water skate comprising an elongated, inflatable rubber body, said body including a comparatively thick top of arcuate cross section, a metallic plate of arcuate cross section embedded in said top, means fixed on said metallic plate for securing the body to a foot, and an integral keel depending from the lower portion of said body the lower edge of said keel tapering gradually downwardly from the front portion thereof to the rear.

2. A water skate comprising an elongated, inflatable rubber body, means for securing said body to the foot of a wearer, and a rubber keel integral with the lower portion of the body and depending therefrom, the lower edge of said keel tapering gradually downwardly from the front portion thereof to the rear portion thereof, said keel including a metallic plate embedded in the rubber.

3. A water skate comprising an elongated, inflatable rubber body, said body including a comparatively thick top of arcuate cross section, a metallic plate of arcuate cross-section embodied in said top, means fixed on the metallic plate for securing the body to the foot of a wearer, and a rubber keel integral with the lower portion of the body and depending therefrom, the lower edge of said keel tapering gradually downwardly from the front portion thereof to the rear portion, said keel including a substantially flat metallic plate embedded in the rubber.