Feb. 5, 1957 H. BUTLER 2,780,020

SURF NETS

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Fig. 1.

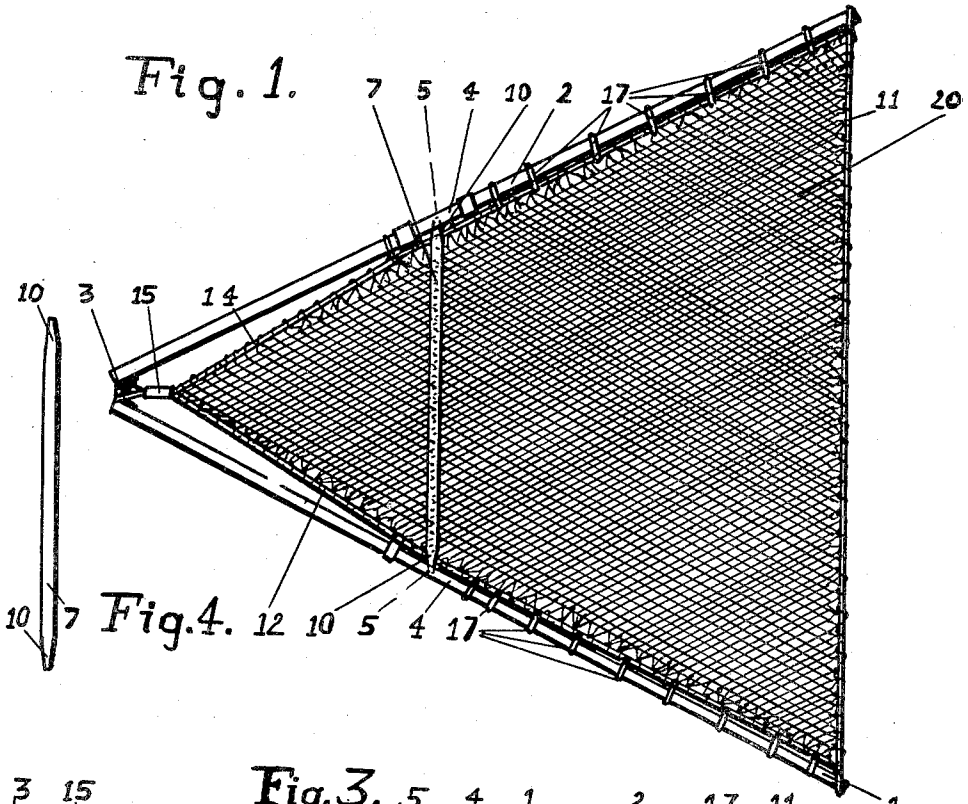


Fig. 4.

Fig. 3.

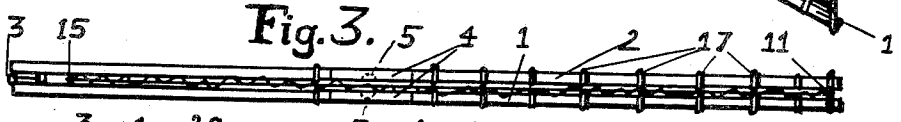
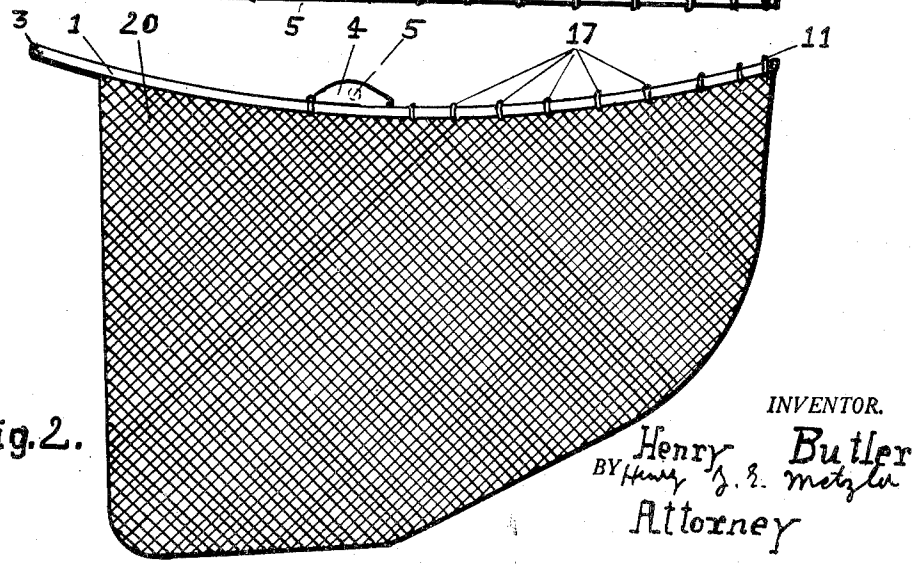


Fig. 2.



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Fig. 5.

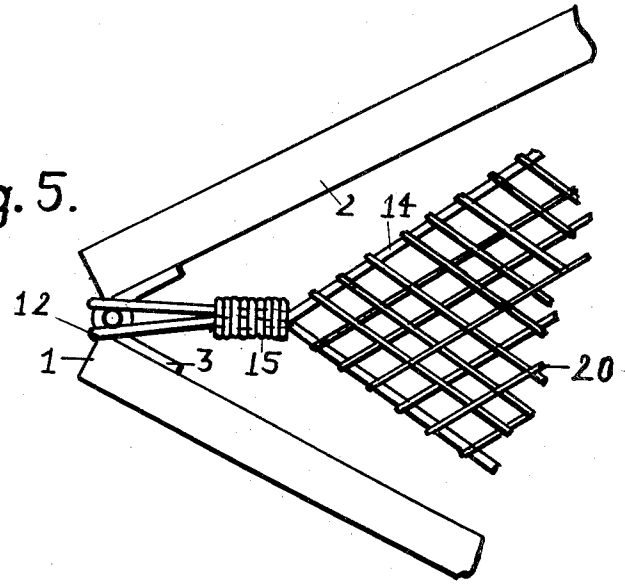
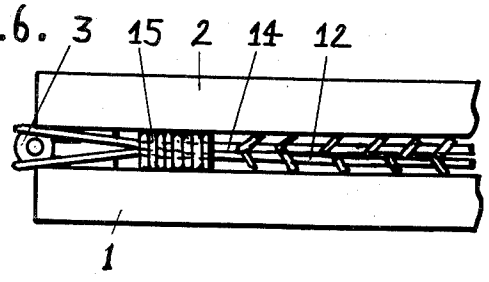


Fig. 6.



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2,780,020

Patented Feb. 5, 1957

2,780,020

SURF NETS

Henry Butler, Bodega Bay, Calif.

Application August 11, 1954, Serial No. 449,066

1 Claim. (Cl. 43—12)

The present invention relates to improvements in fishing nets and, more particularly, to a new and improved surf net provided with a collapsible frame.

One object of the present invention is the provision of a device of the character described which has a new and improved A-frame structure that is light in weight, simple in construction, and easy to collapse and to expand, and which is also sturdy, durable, and well adapted for the rough usage to which devices of this type ordinarily are subjected.

With the foregoing and other objects in view which will appear as the description proceeds, the invention consists of certain novel details of construction and combinations of parts hereinafter more fully described and pointed out in the claim, it being understood that changes may be made in the construction and arrangements of parts without departing from the spirit of the invention as claimed.

In the accompanying drawing a preferred form of the invention has been shown.

In said drawing:

Figure 1 is a top plan view of a preferred embodiment of my invention as it appears when it is expanded;

Fig. 2 is a side view thereof;

Fig. 3 is a top plan view of the embodiment of Figs. 1 and 2 as it appears when collapsed;

Fig. 4 is a detailed elevation of a cross-bar;

Fig. 5 is a detailed enlarged fractional view of a hinged portion as it appears when the net is unfolded; and

Fig. 6 is a view as Fig. 5 showing the hinged portion in a collapsed position.

Similar reference characters refer to similar parts throughout the several views.

In the drawing the numerals 1 and 2 denote a pair of rods or poles, each of which preferably is about seven feet long, and which are pivotally connected to each other at one end by means of a hinge 3 or the like. The rods 1 and 2 preferably are slightly arcuated, and intermediate their ends there is secured to each of them a block member 4 provided with a bore 5. A cross bar 7 (Figs. 1 and 4), which has taper end portions 10 fitting into the bores 5, is constructed and arranged for keeping the rods 1 and 2 spaced apart so as to form therewith an A-shaped member, as may be seen in Fig. 1. A string 11, whose ends are secured to those ends of the rods 1 and 2 which are opposite the hinge 3, is of such a length that it will be tight when the bar 7 is keeping the rods 1 and 2 spread apart. Two additional strings 12 and 14 have their ends secured to the ends of the rods 1 and 2 respectively. Near the hinge 3 the strings 12 and 14 preferably are tied together by means of a twine 15 or the like, wound around the end portions of the

strings 12 and 14 like a coil (Figs. 1 and 3). Those extremities of the strings 12 and 14 which protrude beyond the coiled element 15 are tied to the hinge 3. Between the blocks 4 and the string 11 the strings 12 and 14 are tied close to the rods 1 and 2 respectively by means of twines 17 or the like. A network 20 has its edges secured to the strings 11, 12 and 14 and is so dimensioned that it will form a large pocket for holding surf fish when the rods 1 and 2 are spread apart and the string 11 is tight.

The network 20 preferably consists of three quarters of an inch to one inch web and single or double thread selvage on its face and on two sides. The selvage can be made on a mesh board by hand. Two hundred and twenty meshes or more are between the free ends of the rods 1 and 2 along the string 11, which preferably is six feet long. For the second selvage three meshes are taken up at a time until thirty meshes have been taken up, then two meshes at a time until the distance from the other end of the face is thirty meshes, and then again three meshes are taken up at a time. This draws up the network at the face so that an eight foot net fits into a six-foot frame, along the string 11, thus attaining a much needed large pocket to hold the surf fish.

Since certain changes may be made in the above article and different embodiments of the invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawing shall be interpreted as illustrative and not in a limiting sense.

It is also to be understood that the following claim is intended to cover all of the generic and specific features of the invention herein described, and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

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

A surf net comprising a pair of equally curved rods pivoted to each other at one end so as to be movable relative to each other on a plane which is disposed at a right angle to the plane of the curvature of the rods, a pair of blocks each of which is provided with a bore and secured to one of said rods intermediate its ends at a portion thereof located at the inner side of the curve formed by the rod, a cross-bar having its ends removably inserted into the bores of said blocks so as to keep said rods spread apart and to form therewith an A-shaped member, a first string connecting to each other those ends of said rods which are opposite to the ends that are pivotally connected to each other, a second string having its ends connected to the ends of one of said rods, a third string having its ends connected to the ends of the other one of said rods, and a net having its edge portions secured to said strings, said second and said third string being tied to those portions of said rods which are between said blocks and those ends of said rods which are opposite to the ends that are pivotally connected to each other.

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