

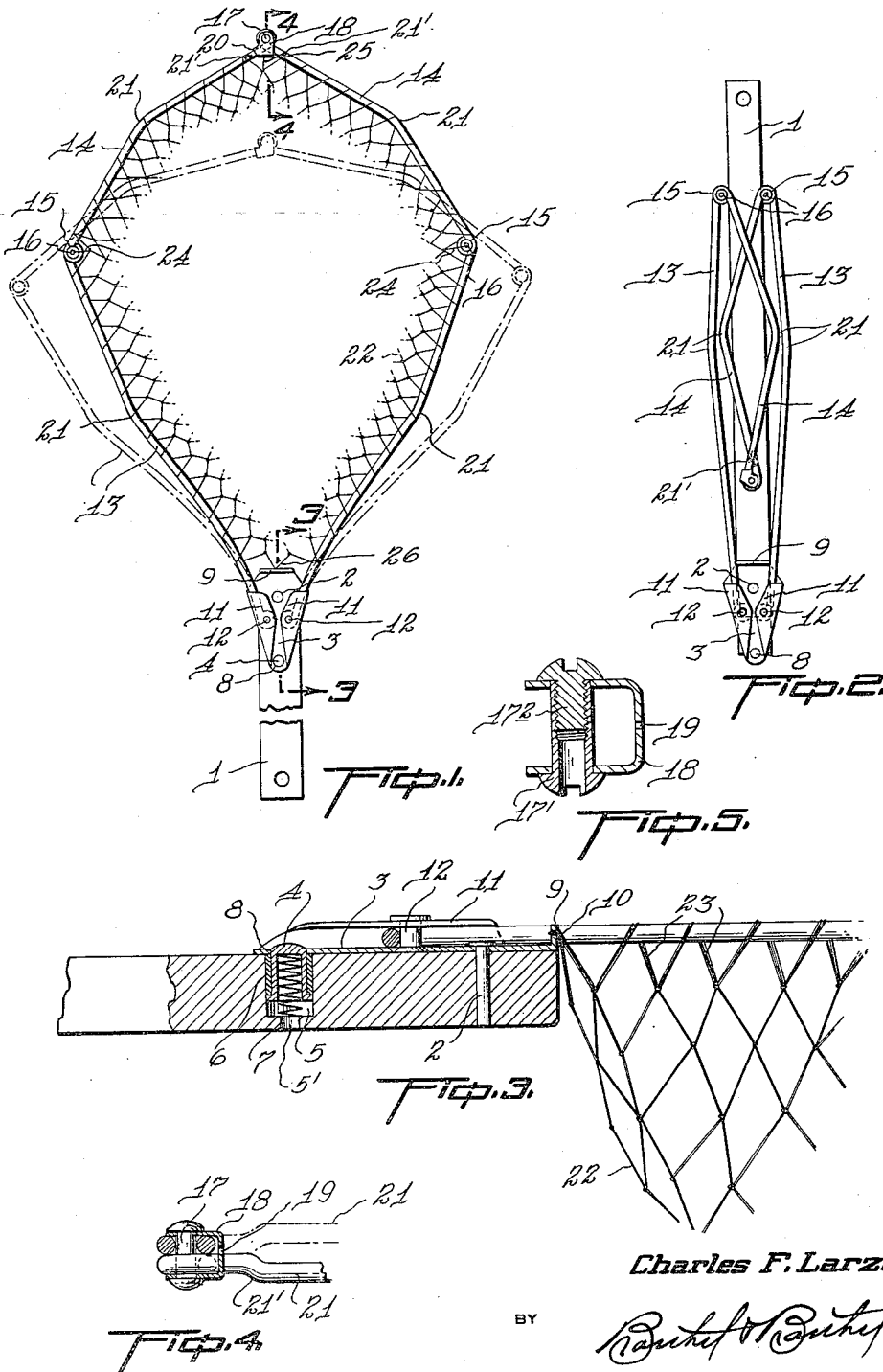
Nov. 8, 1932.

C. F. LARZELERE

1,886,559

FOLDING LANDING NET

Filed May 29, 1930



INVENTOR

Charles F. Larzelere

BY

Robert V. Burtel

ATTORNEYS

UNITED STATES PATENT OFFICE

CHARLES F. LARZELERE, OF FOND DU LAC, WISCONSIN

FOLDING LANDING NET

Application filed May 29, 1930. Serial No. 457,175.

The present invention pertains to a novel foldable landing net or scoop net for removing fish from a body of water.

The primary object of the present invention is to devise a durable landing net for landing large fish which have been caught with a hook and line, the landing net being capable of being folded or collapsed when not in use in order that it may occupy a minimum of space. Essential features in the construction of a landing net of this type are resiliency in the bow and in the manner of attaching the net to the bow whereby the meshes of the net adjacent the bow or attached thereto, are not sheared when the different sections of the bow are folded over each other, and both of these features are attained in a device constructed in accordance with the present invention.

Another object of the present invention is to provide a foldable landing net comprising a metal bow to which a suitable handle is pivotally attached and provided with releasable locking mechanism whereby the handle may be swung relative to the bow into folded position for convenience in carrying the device, the bow being formed of several resilient members pivotally connected together at their adjacent ends in a manner to permit the bow as a whole to be collapsed or folded together so that the handle and the several sections of the bow will lie in a substantially parallel position one upon the other when folded. Difficulty is ordinarily encountered in attaching the net to the foldable bow and, therefore the present invention contemplates attaching the same to the bow by providing hollow or sleeve like pivot members for the sections of the bow through which certain strands of the net are passed and by forming the sections to resemble the shape of a dog-leg bend with certain of said sections offset adjacent their pivot, thereby obviating the shearing of the net strands by the folding of the different sections.

With the above and other ends in view the invention consists in the matters hereinafter set forth and more particularly pointed out in the appended claims, reference being had to the accompanying drawing, in which—

Figure 1 is a top plan view of the present landing net illustrating in broken lines one of the stages of movement the bow assumes when being folded;

Fig. 2 is a view illustrating the device in the folded position with the net removed for the sake of clarity;

Fig. 3 is an enlarged fragmentary cross sectional view taken on the line 3—3 of Fig. 1;

Fig. 4 is an enlarged cross sectional view taken on the line 4—4 of Fig. 1, and

Fig. 5 is an enlarged cross sectional detail on the line 4—4 of Fig. 1.

Like characters of reference are employed throughout to designate the corresponding parts.

The numeral 1 indicates the handle of the present landing net and it may be formed of metal or of wood as the case may require. Pivotally attached to the handle 1 by means of the pin 2 is a bracket 3, the pin 2 being in the nature of a screw or rivet or a pin pressed into a suitable bore as shown in the drawing. The bracket is prevented from pivoting when the same is not desired by means of the button 4 which is mounted in the bore 5 with a sleeve 6 surrounding the same to provide a strong close fitting support and to prevent its accidental removal, the spring 7 forcing the button upwardly whereby it projects upwardly into a suitable perforation 8 in the bracket. By this construction it becomes apparent that pressing the button downwardly with the thumb makes it possible to swing the bracket upon the pivot 2, and if at any time it should be found desirable or necessary to remove the button to replace the same or the spring, thus it can be accomplished by inserting a suitable punch member through the drilled hole 5' and thereby force the sleeve and button out of the bore 5.

The bracket 3 is provided with an upturned flange 9 having the perforations 10 in order to facilitate the attachment of the net, the flange also serving for the bow sections to rest against in collapsing and opening the device, this feature being described in detail in a later stage of the description. The bracket 3 is also provided with bent over por-

tions 11 to accommodate pins 12 and around the pins 12 are pivoted the sections or members 13 of the bow portion. To the opposite ends of the members 13 are pivoted the members 14 by means of pins or rivets 15 which are formed in the nature of sleeves having central bores 16. The opposite ends of the sections 14 are pivoted together by a pin 17 which also supports a U-shaped clip 18 having perforations 19, the clip 18 being mounted on the inside of the members 14 and having a portion 20 bent around one of the members 14 to prevent movement thereof, the pin 17 being of special construction as clearly illustrated in Fig. 5 of the drawing wherein is illustrated the sleeve member 17' that is internally threaded to receive the screw 17². This construction permits the sections 14—14 to be readily uncoupled at their pivot where they are connected together in order that the net may be conveniently placed thereon or removed in case damage is done to the same during use.

The bows 13 and 14 are formed of spring-like metal and are bent to resemble a dog-leg curve at the points indicated by the numeral 21 and the sections 14—14 are offset as at 21' adjacent the pin 17, this feature permitting the bow to be folded to the position illustrated in Fig. 2 without the sections contacting with each other and thereby eliminating any danger of shearing the net 22 which is attached to the bow.

The net 22 is provided with the strands 23 which are looped around the members 13 and 14 and is provided with strands 24 which pass through the bores 16 in the pivot pin 17. The net also has a strand 25 which is attached to the clip 18 by tying it through means of the perforation 19 and has the strands 26 which are attached to the bracket 3 by means of the flange 9 having the perforations 10.

In Fig. 1 the bow is illustrated in the open position, the members 14 and the U-shaped clip 18 combining to force the upper ends of the members 13 outwardly. Outward movement of the members 13 is prevented by the portions 11 on the bracket 3 and therefore the resiliency of the several sections 13 and 14 tends to hold them in an open position. The broken lines in Fig. 1 indicate the manner in which the members 14 may be forced inwardly in order that they may assume the position illustrated in Fig. 2 and the button 4 is then depressed and the handle turned until it reaches a position substantially parallel to the sections of the bow.

Although a specific embodiment of the present invention has been illustrated and described it is to be understood that various changes may be made within the scope of the appended claims without departing from the spirit of the invention and such changes are contemplated.

What I claim is:—

1. A landing net comprising a handle having a bracket pivotally mounted thereon, flanges formed on the sides of said bracket and bent over in a manner to receive pivot pins, a plurality of spring-like pivotally connected bow members pivotally attached to said pins, and a U-shaped clip positioned at the pivotal connection, said flanges on said brackets and said U-shaped clip causing the resiliency of said members to maintain said sections in a distended position.

2. A landing net comprising a handle having a bracket pivotally mounted thereon, a spring pressed plunger mounted in said handle and received in a perforation in said bracket in a manner to prevent pivotal movement thereof, and a plurality of pivotally connected bow members mounted upon said bracket.

3. A landing net comprising a handle having a bracket pivotally mounted thereon; a spring pressed plunger mounted in said handle and projecting into a perforation in said bracket to normally prevent pivotal movement thereof, a plurality of spring-like pivotally connected bow members pivotally attached to said bracket, and a U-shaped clip positioned at the pivotal connection, a prong formed on said clip and bent around one of said members to rigidly secure said clip thereto, said bracket and said U-shaped clip causing the resiliency of said members to maintain said members in a distended position.

In testimony whereof I affix my signature.
CHARLES F. LARZELERE.