Nov. 28, 1950 E. FITZHARRIS 2,531,418

JET CASTING ARROW

Filed May 13, 1947

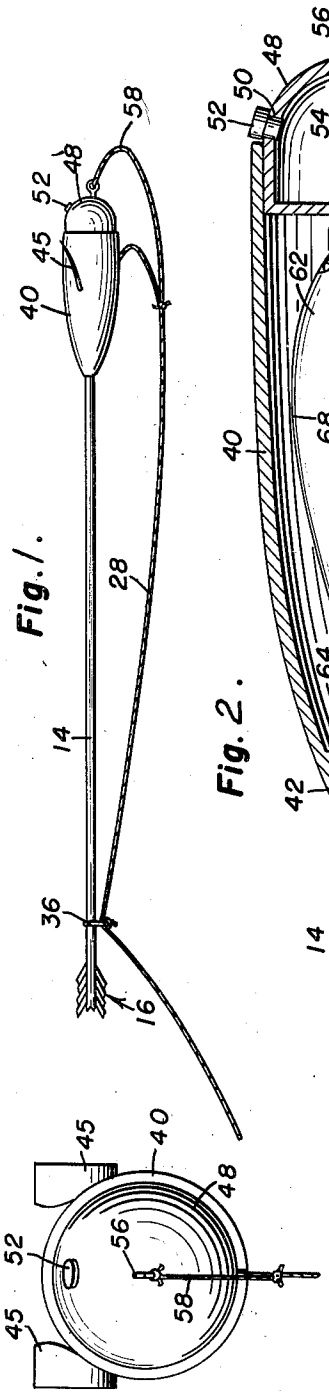


Fig. 1.

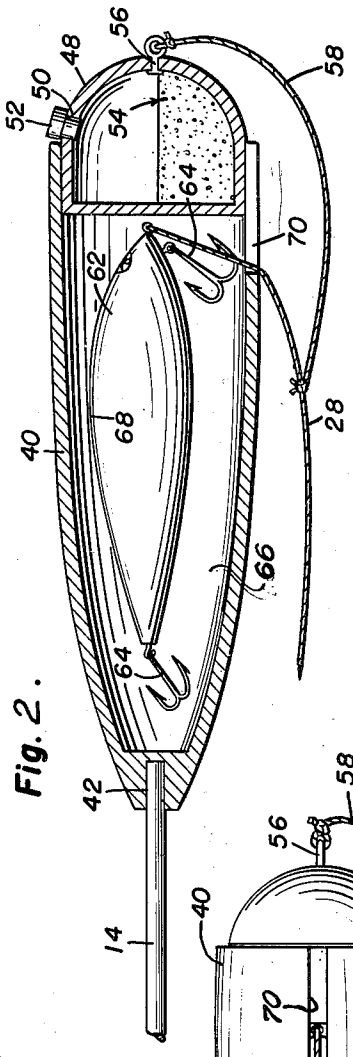


Fig. 2.

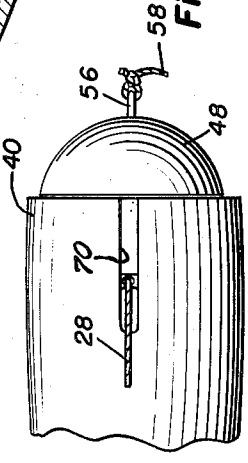


Fig. 4.

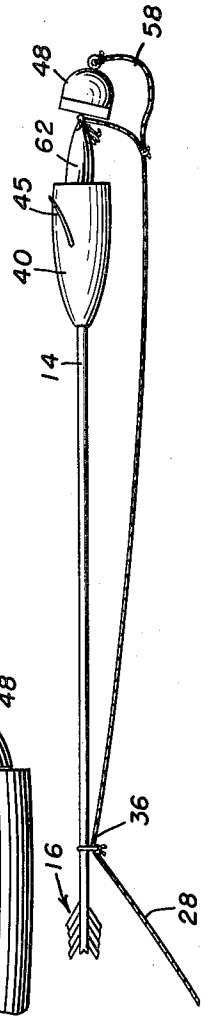


Fig. 3.

Fig. 5.

Inventor

Edward Fitzharris

By Clarence A. O'Brien and Harvey B. Jacobson

Attorneys

Patented Nov. 28, 1950 2,531,418

UNITED STATES PATENT OFFICE

2,531,418

JET CASTING ARROW

Edward Fitzharris, Hollywood, Calif.

Application May 13, 1947, Serial No. 747,662

2 Claims. (Cl. 43—19)

1

This invention appertains to novel and useful improvements in fishing gear primarily useful in casting.

An object of this invention is to provide a shaft having means thereon for retaining a sinker and fish hook means in detachable relation therewith.

Another object of this invention is to provide means associated with said shaft for ejecting the same.

A further object of this invention is to provide means for enhancing the flight characteristics of said shaft.

A still further object of this invention is to provide means for varying the mass of said sinker.

Other objects and features of novelty include the provision of inexpensive, practical device of the nature to be described which lends itself well to commercial manufacture and which adds a novel shade of sport to cast fishing.

Figure 1 is an elevational side view of the device;

Figure 2 is an enlarged sectional view of a portion of the device shown in Figure 1;

Figure 3 is an exploded elevational view of the invention disclosed in Figure 1;

Figure 4 is a fragmentary elevational view of a part of the device illustrating the guide slot which is employed in the invention, and

Figure 5 is an elevational front view of the device disclosed in Figure 1.

Referring now to the drawing, an arrow shaft 14 is illustrated with tail feathers 16. A receptacle 40 is secured to front end of the shaft 14 by some suitable means, such as gluing and the like. In retaining the receptacle 40 fixed to the shaft 14 a bore 42 is provided in the rear end of the receptacle 40 for the purpose of seating a terminal portion of the shaft 14.

It will be noted from an inspection of Figure 1 that the receptacle 40 is smoothly contoured and a pair of fins 45 are secured to the exterior surface thereof. The fins aid in flight performance. A cap 48 is retained within the open front portion of the receptacle 40 by means of a very light frictional bond between the receptacle and the inner walls of the receptacle. This cap 48 serves the purpose of a sinker having an aperture 50 therein with a stopper 52 removably secured in said aperture. Any suitable type of ballast, as sand 54, is received in the said cap 48 for the purpose of adjusting the mass of the said cap. This cap serves the purpose of a sinker of variable mass, the mass being adjustable in order to obtain optimum flight performance in the utility of the arrow. An eye member 56 is disposed in the front portion of the cap for the purpose of retaining the string

2

58 thereon. This string is spliced to a fish line 28, the fish line extending to a conventional rod and also to a fish lure 62 having hooks 64 secured thereto. The fish lure 62 is received in the chamber 66 behind the cap 48, provided within the receptacle 40. A slot 70 is provided in the receptacle 40 for the purpose of forming a passage for the fish line 28. In operation the arrow is ejected from a bow or the like, said arrow traveling with the fish line 28 which is guided in the clip 36 carried by the arrow shaft. Upon striking the water or prior to striking the water, the sinker or cap 48 along with the fish lure 62 slides from the receptacle 40. After a fish is caught, or prior to casting a second time, the sinker, fish lure and arrow may be reeled in.

Having thus described the present invention and what is claimed as novel and improved is as follows:

1. A casting projectile comprising a buoyant arrow which includes a shaft and a receptacle disposed at one end thereof, a sinker releasably seated and frictionally retained in said receptacle and forming a closure for said receptacle, a guide slot in said receptacle, a fish lure disposed in said receptacle behind the sinker closure, a fish line secured to said sinker and said lure, and a portion of said line being passed through said guide slot.

2. A casting projectile comprising a buoyant arrow which includes a shaft and a receptacle disposed at one end thereof, a sinker releasably seated and frictionally retained in said receptacle and forming a closure for said receptacle, a guide slot in said receptacle, a fish lure disposed in said receptacle behind the sinker, a fish line secured to said sinker and said lure, and a portion of said line being passed through said guide slot, a line guide carried by said arrow having said fish line passed therethrough, and fins fixed exteriorly of said receptacle.

EDWARD FITZHARRIS.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,133,189	Shannon	Mar. 23, 1915
1,344,693	Hinsdale	June 29, 1920
1,810,779	Milam	June 16, 1931
2,236,427	Garrison	Mar. 25, 1941

FOREIGN PATENTS

Number	Country	Date
571,323	France	May 15, 1924
342,627	Great Britain	Feb. 5, 1931