

A. D. CARNAGY.

TORPEDO NET.

APPLICATION FILED MAY 14, 1910.

1,010,856.

Patented Dec. 5, 1911.

Fig. 1.

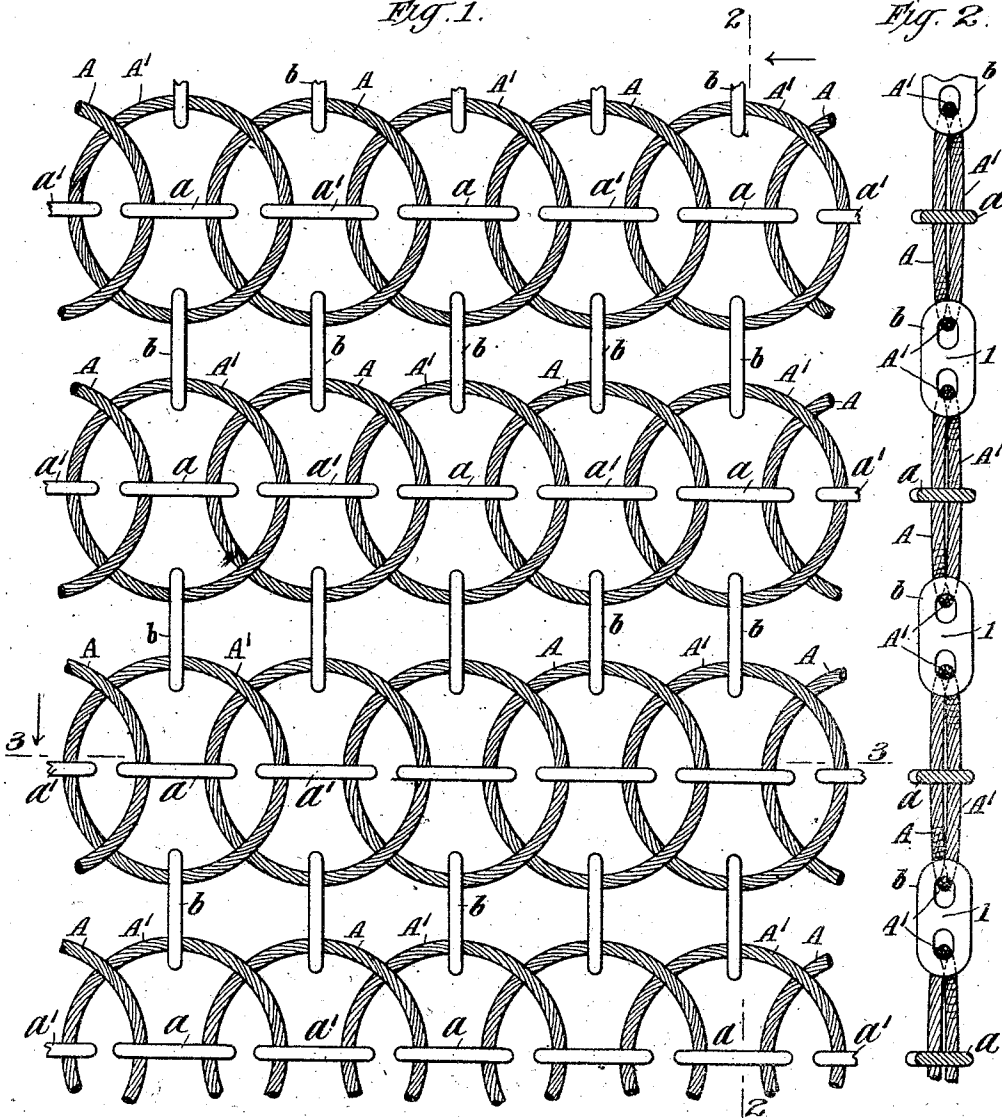


Fig. 2.

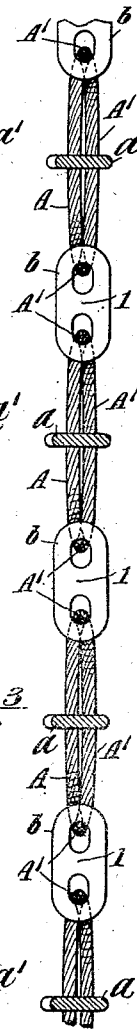
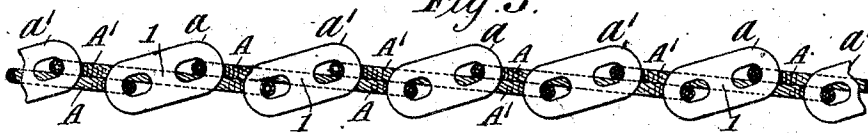


Fig. 3.



Witnesses:
W. St. Kennedy
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Inventor:
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by his Attys:
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UNITED STATES PATENT OFFICE.

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TORPEDO-NET.

1,010,856

Specification of Letters Patent.

Patented Dec. 5, 1911.

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To all whom it may concern:

Be it known that I, ALFRED D. CARNAGY, a citizen of the United States, residing at Trenton, county of Mercer, and State of New Jersey, have invented certain new and useful Improvements in Torpedo-Nets, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 This invention relates particularly to torpedo nets, although nets embodying the invention may be used for other purposes, for instance, as blasting nets, slings and the like.

The invention consists in an improved construction of net employing gromets or rings arranged to secure small openings with comparatively large rings, the especial object of the invention being to secure great strength and resistance to enlargement of the openings through the net, together with such flexibility as to avoid danger of snarling or fouling.

In the accompanying drawings forming a part of this specification, a section of a torpedo net embodying the invention is illustrated, and this net will now be described in detail and the features forming the invention then specifically pointed out in the claims.

30 In the drawings:—Figure 1 is a face view of the net. Figs. 2 and 3 are sectional edge views on, respectively, lines 2—2 and 3—3 of Fig. 1.

Referring to the drawings, the net is made up of rows of gromets, each row consisting of two sets of gromets A, A', arranged to form a double row of gromets, by which strength and small spaces are secured with comparatively large gromets. These gromets may be made in any suitable manner, but are preferably wire gromets of the construction of my prior Patents Nos. 654,224 and 654,225 granted July 24, 1900, and may be of any suitable size. The gromets of each set lie alternately above and below the successive gromets of the other set, so that successive gromets of each set are on opposite sides of the intermediate gromet of

the other set, this feature securing great resistance to sidewise pressure on any of the gromets and to pull on the gromets tending to distort them. The gromets A of one set are connected together by links *a* and the gromets A' of the other set by links *a'*, and the gromets A, A' of each row are connected to corresponding gromets of the next row by links *b*, these links being worked in during the making of the gromets. The links are preferably stud links, as shown, having the stud 1 connecting the opposite sides of the link, this form of link being preferable on account of its strength and resistance to bending, although other forms of links may be used within the broader features of the invention.

The invention provides a very strong net of great flexibility, which is not liable to snarl or foul under any conditions.

What I claim is:—

1. A torpedo net or the like formed of rows of gromets, each row consisting of two sets of gromets arranged with the gromets of one set lying alternately over and under adjacent gromets of the other set to form a double row of gromets with the gromets of the two sets overlapping to reduce the openings through the net, and having the gromets of each set and the gromets of successive rows connected together by links.

2. A torpedo net or the like formed of rows of gromets, each row consisting of two sets of gromets arranged with the gromets of one set lying alternately over and under adjacent gromets of the other set to form a double row of gromets with the gromets of the two sets overlapping to reduce the openings through the net, and having the gromets of each set and the gromets of successive rows connected together by stud links.

In testimony whereof, I have hereunto set my hand, in the presence of two subscribing witnesses.

ALFRED D. CARNAGY.

Witnesses:

N. C. HARRISON,
CHARLES C. COOLEY.