

No. 804,704.

PATENTED NOV. 14, 1905.

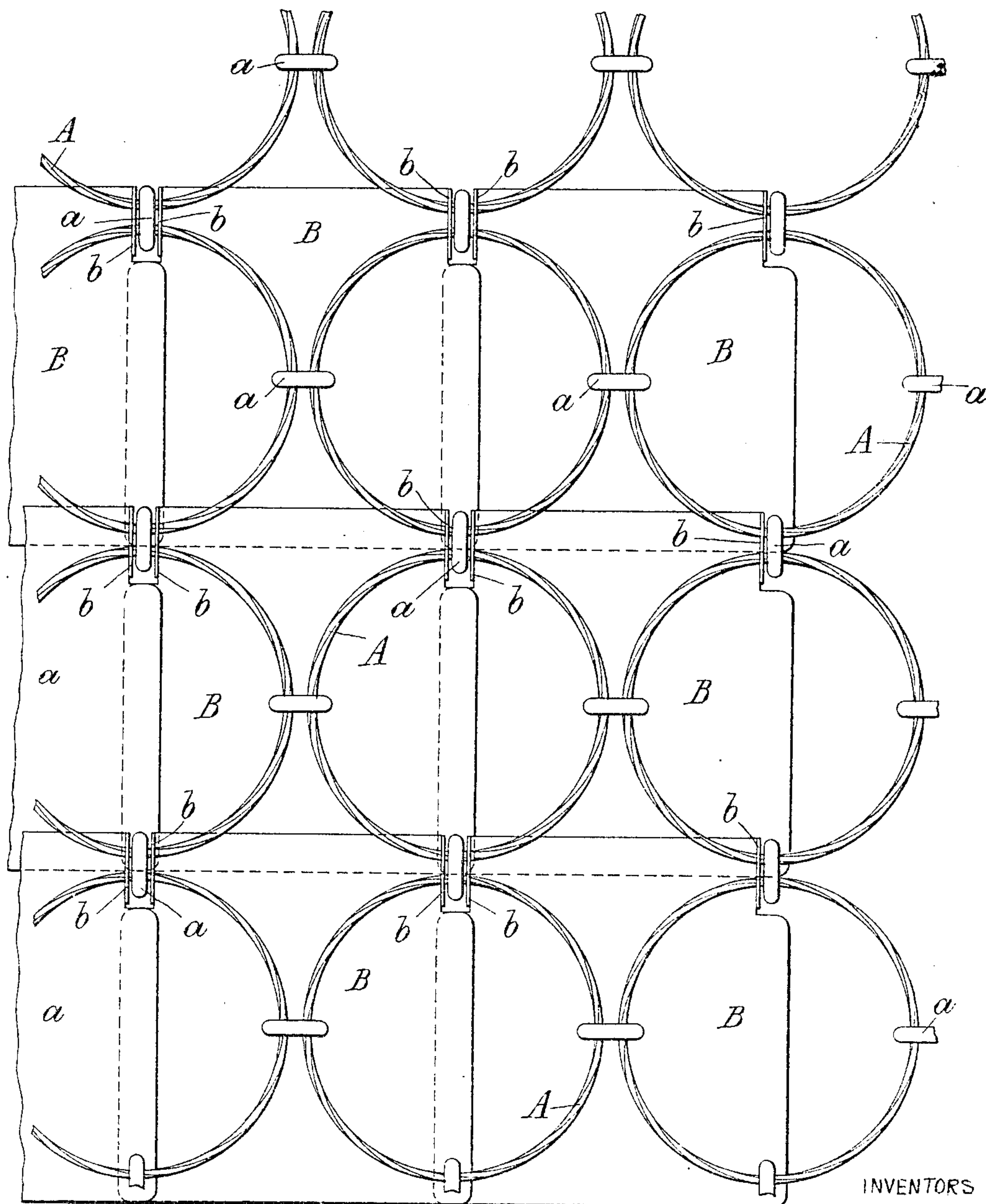
W. P. BULLIVANT & G. M. SELBY.

TORPEDO NET.

APPLICATION FILED FEB. 28, 1905.

2 SHEETS—SHEET 1.

Fig. 1.



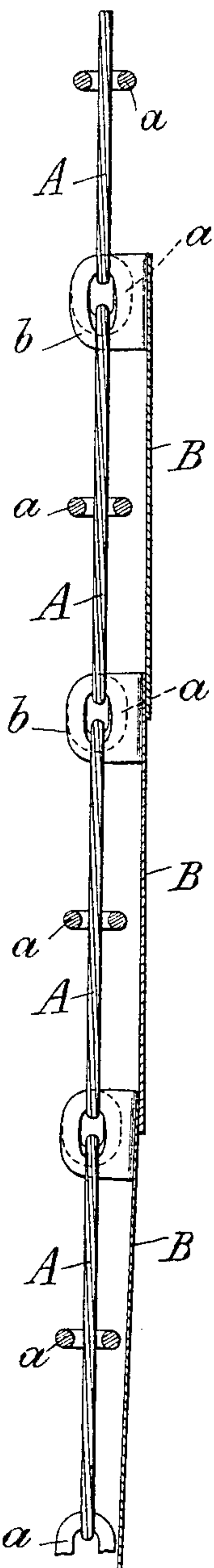
WITNESSES

Paul H. Blair.
Walter Abbe

INVENTORS

William Pelham Bullivant
George May Selby
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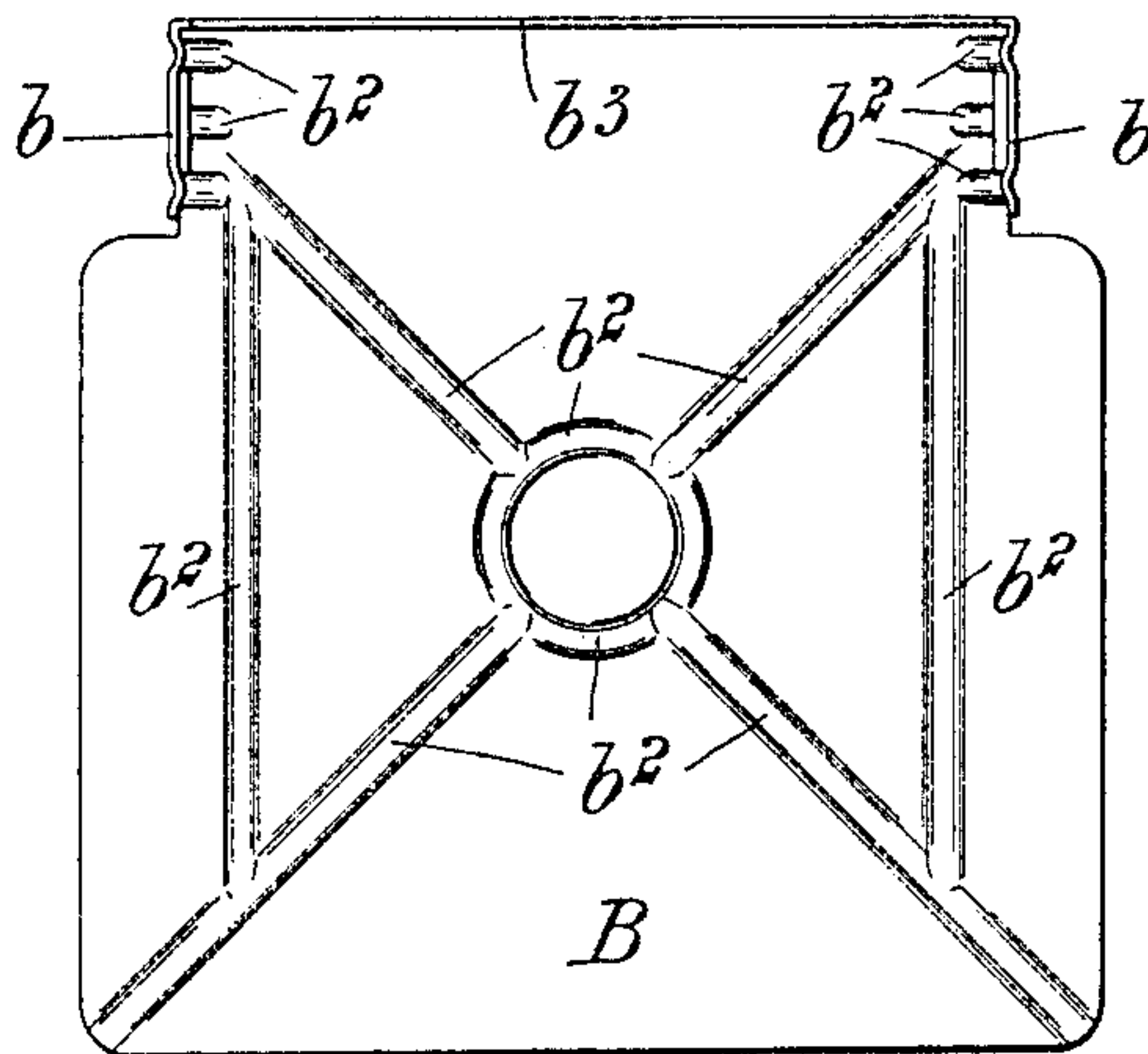
Fig. 2.



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Fig. 3.



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UNITED STATES PATENT OFFICE.

WILLIAM PELHAM BULLIVANT AND GEORGE MAY SELBY, OF LONDON,
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TORPEDO-NET.

No. 804,704.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed February 28, 1905. Serial No. 247,715.

To all whom it may concern:

Be it known that we, WILLIAM PELHAM BULLIVANT, gentleman, a resident of 72 Mark Lane, and GEORGE MAY SELBY, engineer, a resident of 38 West Ferry road, Millwall, London, England, subjects of the King of Great Britain and Ireland, have invented new and useful Improvements in Connection with Torpedo-Nets, of which the following is a specification.

The object of this invention is to provide torpedo-nets with means whereby the gromets of the nets or the equivalent parts of the net are protected against injury, and especially against being cut or damaged by cutters or the like attached to torpedoes.

According to this invention there is provided, in combination with the nets, protective armor in the form of a number of plates or shields of metal secured in such a manner that they cover and protect the nets and present no apertures or spaces into which a cutter or the like can enter.

The accompanying drawings represent a part of a torpedo-net made of connected gromets provided with plates or shields in accordance with this invention.

Figure 1 is a back elevation, and Fig. 2 a vertical transverse section, showing the preferred construction. Fig. 3 shows a plate or shield separately.

A represents the gromets connected, as usual, by rings *a*. The plates or shields B provided in accordance with this invention are shown as being connected to two adjacent gromets A, so that the said plates or shields B each cover about half of each of the spaces through two adjacent gromets A, the plates or shields B being attached to the net in any convenient manner—for example, as shown, by eyes or inwardly-bent lugs *b*—with elongated holes in them, through which pass the gromets A, to which the said plates or shields are connected, so that the said plates or shields B have movement, as on horizontal axes—that is, on axes parallel or about parallel with the surface of the water—and so that the torpedo-nets with the plates or shields B

attached can be rolled up for storage. The plates or shields B may somewhat overlap each other, as shown in Fig. 1, and they may be made thin or have knife-edges, so as to offer but little resistance to backward and forward movement of the ship. The said plates or shields may be made plain, as in Figs. 1 and 2, or they may be strengthened by being corrugated or embossed, as shown, for example, at *b*² in Fig. 3, and one or more of their edges may be turned over (as at *b*³, for example) to give them greater rigidity.

Although the invention is shown as applied to nets made of connected gromets, the said plates or shields can be applied to nets otherwise formed.

Having now particularly described and ascertained the nature of the said invention and in what manner the same is to be performed, we declare that what we claim is—

1. Torpedo-nets provided with protective armor covering the same, as and for the purpose set forth.

2. Torpedo-nets having plates or shields covering the same, substantially as and for the purpose hereinbefore explained.

3. Torpedo-nets provided with plates or shields, each having lugs, or eyes, through which pass two adjacent gromets of the net, substantially as and for the purpose hereinbefore explained.

4. Torpedo-nets provided with plates or shields, through which gromets of the net pass, the said plates or shields, overlapping each other near their edges, substantially as and for the purpose hereinbefore explained.

5. Torpedo-nets having protective plates covering the same, substantially as described, whereby the nets with the plates attached may be rolled up for storage.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

WILLIAM PELHAM BULLIVANT.
GEORGE MAY SELBY.

Witnesses:

WILLIAM JOHN WEEKS,
HENRY DENIS HOSKINS.