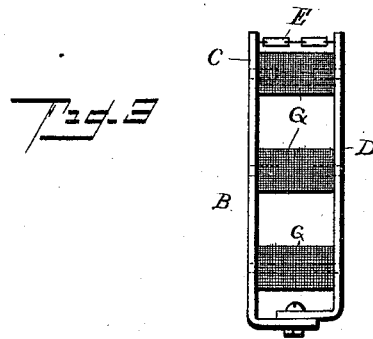
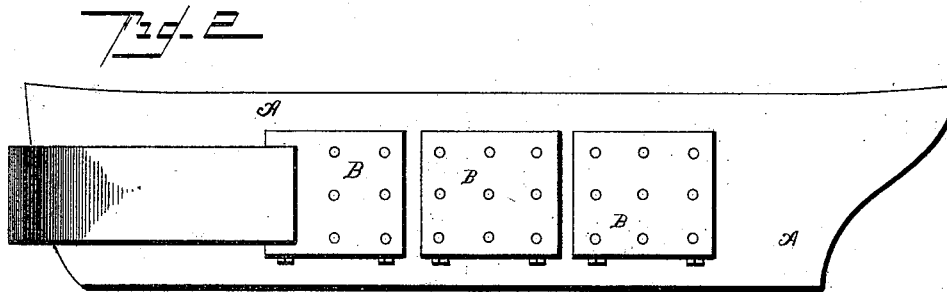
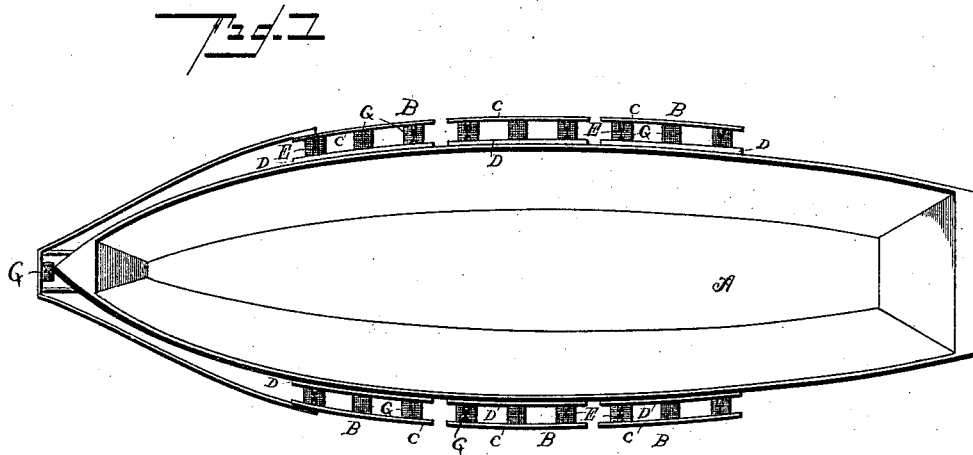


(No Model.)

W. H. BAILEY, Sr.
DEVICE FOR THE PROTECTION OF VESSELS.

No. 523,422.

Patented July 24, 1894.



William H. Bailey, Sr.
Inventor

Witnesses
A. J. Myers
C. S. Frye

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Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM HENRY BAILEY, SR., OF HOUSTON, TEXAS.

DEVICE FOR THE PROTECTION OF VESSELS.

SPECIFICATION forming part of Letters Patent No. 523,422, dated July 24, 1894.

Application filed December 9, 1892. Serial No. 454,592. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY BAILEY, Sr., of Houston, county of Harris, and State of Texas, have invented certain new and useful Improvements for the Protection of Vessels or other Carriers for Land or Sea Service, of which the following is a specification, reference being had to the accompanying drawings, in which—

10 Figure 1 is a plan view of the hull of a boat with my protecting shield applied. Fig. 2 is a side elevation of the same. Fig. 3 is an end view of one of the shields.

Referring to the letters on the drawings, A indicates a ship's hull, and B a resilient shield applied to the outside of the same, and consisting of supporting plates C and D connected by links E, or the like, forming jointed and yielding couplings. These parts form 20 supports for the springs G. Such protecting shields may be applied for example in any

suitable manner on the outside of a ship's hull, to form a protector useful in cases of collisions of all sorts, and may be of various forms to suit different situations, the essential thing being the employment of yielding metallic holders for supporting rubber or other springs, substantially as described.

What I claim is—

A resilient shield composed of supporting 30 plates, interposed springs between said supporting plates, chains therebetween adapted to limit the movement of one supporting plate, the other supporting plate being rigidly secured to the side of a ship's hull or 35 other similar carrier, substantially as specified.

WILLIAM HENRY BAILEY, SR.

Witnesses:

SUSIE SCHERFFIUS,
JAMES C. STANLEY.