F. PÉLISSIER.

BUMPER.

APPLICATION FILED JULY 19, 1912.

1,049,261.

Patented Dec. 31, 1912.

Fig. 1.

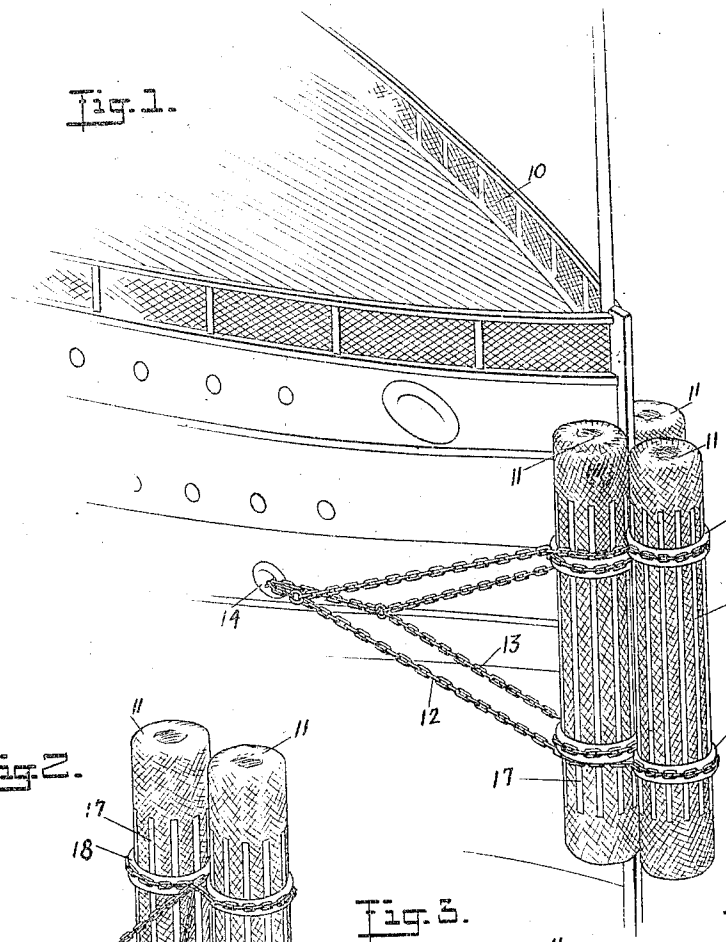


Fig. 2.

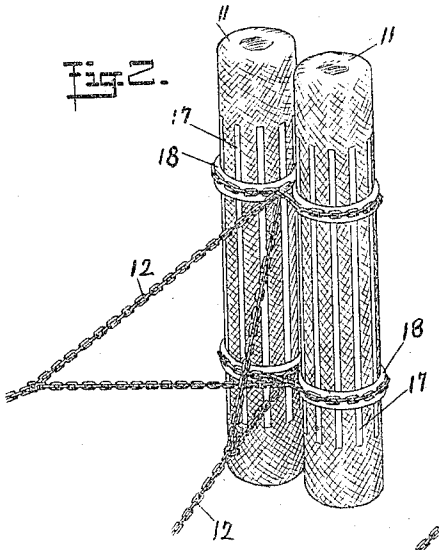


Fig. 3.

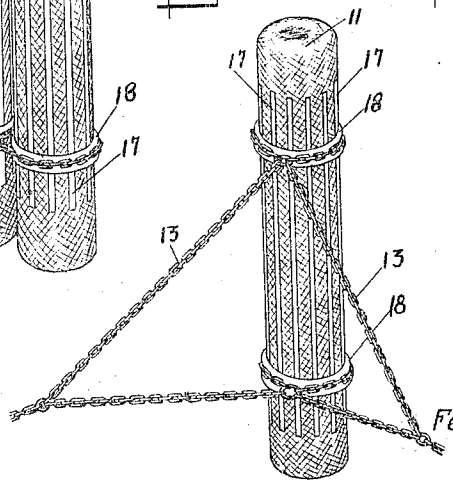
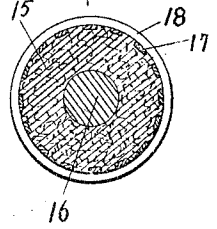


Fig. 4.



WITNESSES

INVENTOR

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UNITED STATES PATENT OFFICE.

FÉNELON PÉLISSIER, OF GONAIVES, HAITI.

BUMPER.

1,049,261. Specification of Letters Patent. Patented Dec. 31, 1912.

Application filed July 19, 1912. Serial No. 710,414.

To all whom it may concern:

Be it known that I, FÉNELON PÉLISSIER, a citizen of the Republic of Haiti, and a resident of Gonaives, Haiti, have invented a new and Improved Bumper, of which the following is a full, clear, and exact description.

This invention relates generally to bumpers, and more particularly to an article especially adapted for use on the bow of a boat or vessel, whereby the liability of damage to the boat or vessel in the event of collision is materially reduced.

The principal object of my invention is to provide a ship's bumper, characterized by a resilient construction, and provided with means whereby it may be efficiently held in position on the ship.

Reference is to be had to the accompanying drawing, forming part of this specification, in which similar characters of reference denote corresponding parts in all the views, and in whch—

Figure 1 is a perspective view showing the bumpers in position; Fig. 2 is a perspective view of the rear of two of the bumpers showing the holding chains extending therefrom; Fig. 3 is a perspective of the single outer bumper with the chains around it; while Fig. 4 is a horizontal sectional view of the bumper.

The bumper herein described and claimed is primarily intended for use on boats and ships, principally at the bow of a vessel, the preferred arrangement being a group of the bumpers suitably held together, as shown in Fig. 1.

The particular number of the bumpers in the group, or the size of any one bumper is immaterial as far as the inventive idea is concerned. It is clear that the bumpers may be provided as articles of manufacture in different sizes ready for use.

The bow of the vessel 10 is provided with the group of bumpers 11 held in position by means of the chains or cables 12, 13, these fastening devices entering through convenient port holes 14 in the side of the vessel where they engage with a capstan or other mechanical contrivance for securing the elements in position. It is clear that the chains may be extended to the deck of the vessel and held in engagement with any motive power thereon if so desired.

Each bumper 11 comprises an open body member 15, preferably of cylindrical construction and made up of some yielding material, such as marline, which is especially adapted for rough use. The interior of the body of the bumper contains a core 16 of resilient material which may be an amount of rubber, or, if so desired, may be compressed air contained in a suitable receptacle.

In order to preserve the longitudinal shape of the bumper, it is provided on its outer side with a number of ribs 17, the lengths of which are such that they extend approximately adjacent the ends of the bumper, these ribs also serving as supports for the rings 18 on which the chains 12 are secured. It will be apparent that on large boats these bumpers will possess considerable mass and that the chains or cables 12 must be of sufficient strength to support such masses, the rings 18 offering good supports for the chains and at the same time preventing injury to the body of the bumper.

If so desired, the rings 18 and the ribs 17 may be assembled and then placed on the bumpers and secured in position.

It is, of course, clear that any number of these bumpers may be used at the bow of the ship, or, in fact, at different other points where the liability of injury is likely from collision with other ships or with stationary structures.

Having thus described my invention, I claim as new, and desire to secure by Letters Patent:—

1. A ship's bumper comprising a yielding cylindrical member having the interior thereof provided with a core of resilient material, the outside of the bumper being provided with longitudinally extending ribs, and rings in engagement with the ribs, the rings being adapted to engage suitable holding means.

2. A ship's bumper comprising a cylindrical member of yielding material, the interior thereof being provided with a core of

resilient material, a plurality of ribs extending longitudinally on the outside of the bumper, rings encircling the bumper and in engagement with the said ribs, the rings being adapted to receive a chain or cable for holding the bumper in position on a vessel.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FÉNELON PÉLISSIER.

Witnesses:
ANTONIO M. MOLINA,
PHILIP D. ROLLHAUS.