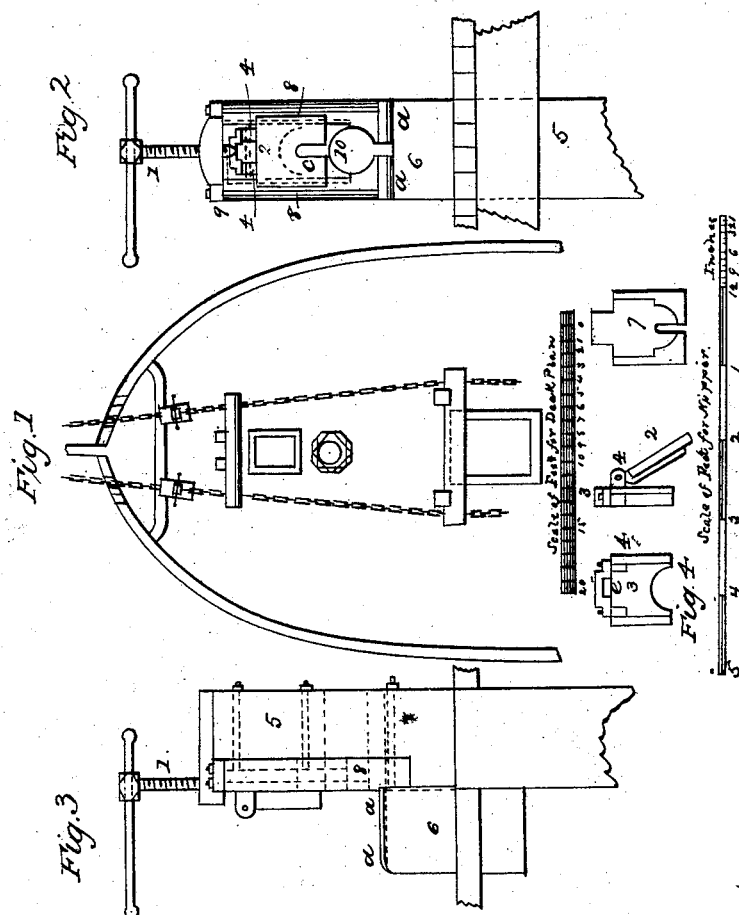


Cable Stopper.

No. 998.

Patented Nov. 3, 1838.



UNITED STATES PATENT OFFICE.

M. P. MIX, OF U. S. NAVY YARD, NEW YORK, N. Y.

STOPPER FOR CHAIN CABLES.

Specification of Letters Patent No. 998, dated November 3, 1838.

To all whom it may concern:

Be it known that I, M. P. Mix, commander in the Navy of the United States, have invented a new and Improved Stopper for Chain Cables to be Used on Board of Ships and other Vessels, which I denominate the "Manger-stopper;" and I do hereby declare that the following is a full and exact description thereof.

10 In the accompanying drawing Figure 1 is a part of the deck plan of a vessel, showing the manner in which the stopper may be located. Fig. 2 is a top view of the stopper, and Fig. 3 a side view. The other figures 15 represent parts in detail, to be presently explained.

The same numbers refer to similar parts in all the figures.

20 No. 5, Figs. 1 and 3, is a bit of tough oak to which the stopper is affixed. It may be made about sixteen inches square, stepped into the deck below, with a check to the breast hook and a knee at the heel according to the roll and size of the ship.

25 No. 6 is a chock over which the cable passes on its way to the stopping apparatus. The front end of this chock is defended by a strong plate of cast iron *a, a*, Figs 2 and 3, which has a groove *b*, Fig. 2, down the middle of it, for the edges of the links of the chain to pass through.

30 No. 2 is the upper plate of the stopper, having a notch *c* in it through which the vertical link passes, and which catches the horizontal one. This is hinged, or attached by bolts and eyes, as shown at 4, 4, to No.

3, which is a strong slide, moving back and forth in grooves in stout iron checks 8, 8.

No. 1 is a screw, of which the cross bar 9 forms the nut; the end of this screw swivels 40 in the slide 3, the opening at *e*, Fig. 4, being that in which the head on the end of the screw swivels.

No. 10 is a round opening through the cast iron bed of the stopper, to which the 45 grooved slide and other permanent parts of the stopper are attached, this round opening passing also through the bit, No. 5.

The slide, Fig. 4, has a semicircular hollow at its end, so that when pressed up by 50 the screw it does not obstruct the passage of the chain. This passage may at any time be rendered free by turning back the upper plate of the stopper, although the slide may be forced up against the chock. 55

Having thus fully described the construction of my manger chain stopper and also shown the manner in which it operates, I claim as my invention therein, and desire to 60 secure by Letters Patent,

The combination of the slide with the upper plate of the stopper, constructed in the manner described, and operated on by a screw as herein set forth, so as to stop or allow a free passage to a chain cable, and 65 this I claim together with such variations thereof as will leave the general construction substantially the same.

M. P. MIX.

Witnesses:

ANN MIX,
ISABELLA A. MIX.