

E. B. Vannevar.

Means of Closing Ship's Deck & Side Lights.

No 48,033.

Patented May 30, 1865.

Fig. 1.

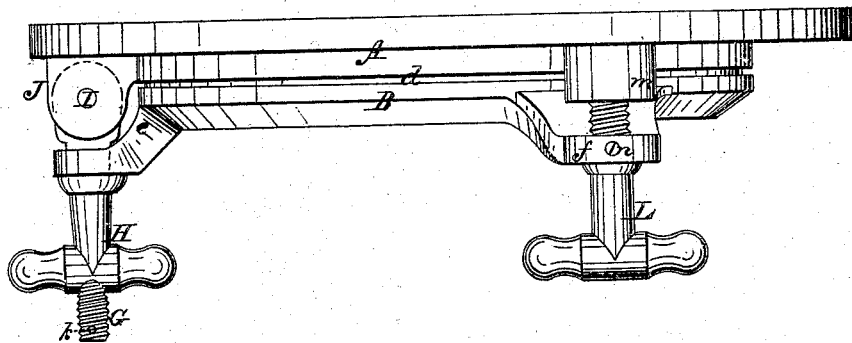
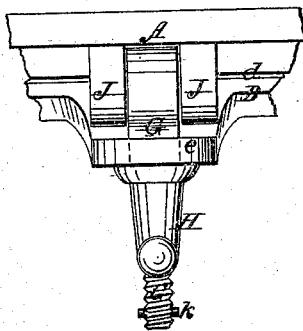


Fig. 2.



Witnesses,
N. Ames
Geo. H. Clarke

Inventor,
Edmund B Vannevar

UNITED STATES PATENT OFFICE.

EDMUND B. VANNEVAR, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO E. B. VANNEVAR & CO.

IMPROVED MEANS OF CLOSING SHIPS' DECK AND SIDE LIGHTS.

Specification forming part of Letters Patent No. 48,033, dated May 30, 1865.

To all whom it may concern:

Be it known that I, EDMUND B. VANNEVAR, of Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Deck and Side Lights for Vessels; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of the whole light, and Fig. 2 is a front elevation of the screw-hinge.

Like parts are indicated by the same letters in both figures.

My improvement relates to what are known as "hinged deck and side lights for vessels;" and its nature consists in providing the free end of the vibrating staple G (which passes through the frame of the light) with a screw and nut, thereby forming an adjustable hinge or a screw and hinge combined, by means of which all sides of the hinged light may be screwed down equally tight upon the packing *d*, however much the latter may be depressed or misshapen by use.

To enable others skilled in the art to make and use my improvement, I will now proceed to describe the construction and operation of the same.

A represents the stationary metallic frame or ring, to the under or inner side of which, in a suitable groove, is fitted the elastic packing *d* in the usual manner. This frame or ring is set or confined in the deck or sides of a vessel by any of the methods in general use; or it may be supposed to be a part of the deck or side of the vessel itself.

B is the hinged frame or ring, into which is set, water-tight, a "bull's-eye" or thick glass light, in the usual manner.

G is a staple attached to the frame A, between the ears J J, by means of the pivot I.

H is a thumb-screw nut, shaped as clearly shown in Fig. 1, which fits an external screw on the free end of the staple G, *k* being a small fixed pin to prevent said nut from ever working off. This staple, as shown by dotted lines in the drawings, passes freely through the ears *e* of the frame B, thus forming an adjustable hinge or a hinge and screw combined.

L is a thumb-screw, such as in general use for confining deck and side lights, turning freely in the ear *f* and screwing into the boss *m* on the frame A, as represented in Fig. 1, *n* being a screw or pin entering an annular groove in said thumb-screw to prevent it from dropping out. There may be one, two, or more of these screws L, as required; or, in place of them, a hinged staple similar to G may be employed, the ear *e* being slotted so as to allow the staple to be swung out from it.

To the hinged deck and side lights now in general use there is one very serious practical objection which my improvement entirely obviates. With the lights in general use the hinge is not adjustable, and when it becomes loose or the packing becomes too much depressed or misshapen by use that part of the ring B nearest to the hinge cannot be adjusted or tightened, whereas by means of my adjustable screw-hinge all parts of the light-frame B can be screwed equally and sufficiently tight upon the packing.

Having thus described the construction and operation of my invention, what I claim as new, and desire to secure by Letters Patent, is—

The hinged staple G, provided with an adjusting-screw, H, constructed substantially as described, and used for the opening and closing of deck and side lights for vessels.

EDMUND B. VANNEVAR.

Witnesses:

N. AMES,

GEO. R. CLARKE.