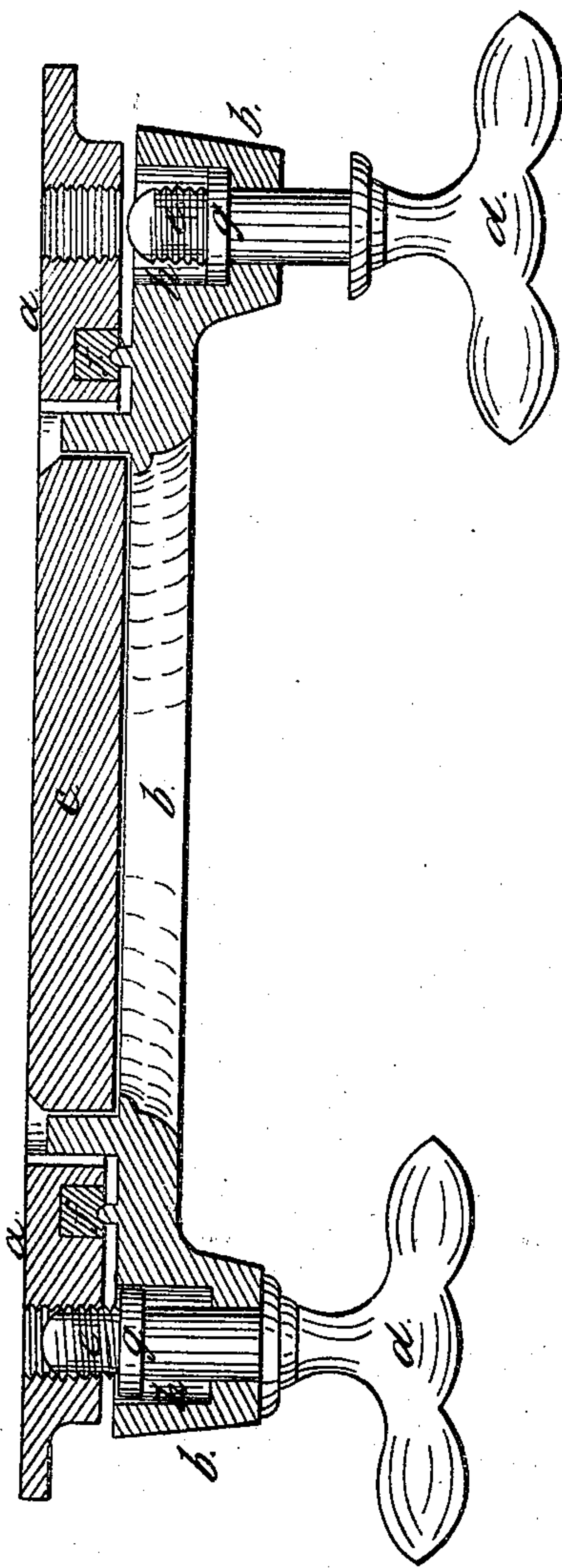


H. Winter.

Fastening for Deck or Side Lights.

N^o 42,058.

Patented Mar. 22, 1864



Witnesses.

J. J. Hunkley Jr.
John W. McDaniel

Inventor.
Herman Winter.

UNITED STATES PATENT OFFICE.

HERMAN WINTER, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO JAMES GREGORY, OF NEW YORK, N. Y.

IMPROVED FASTENING FOR DECK AND SIDE LIGHTS OF VESSELS.

Specification forming part of Letters Patent No. 42,058, dated March 22, 1864.

To all whom it may concern:

Be it known that I, HERMAN WINTER, of Boston, in the county of Suffolk and State of Massachusetts, have invented and made a certain new and useful Improvement in Fastenings for Deck and Side Lights for Vessels; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawing, making part of this specification, wherein I have shown a section of my said fastening as applied to a side light.

Deck and side lights for vessels have heretofore been made as a metal frame secured to a metallic ring that is permanently attached to the vessel, and screws and turning buttons have been employed to compress the frame carrying the glass against the fixed ring, so as to render the light water-tight. The screws employed for such purposes are provided with handles by which they are turned, and have also been formed with a neck on the shank of the screw, into which the end of a small screw passes, in order that the screw may be retained in the frame of the light, but be capable of being entirely unscrewed before the light is removed from its seat, as may be seen in Letters Patent granted to John Sutton and James Gregory, April 28, 1863.

The nature of my said invention consists in a collar attached around the shank of the fastening-screw, passing into a recess in the frame carrying the light or glass, whereby the screw is prevented from falling out when unscrewed. The screw is not weakened by having a neck formed on the shank, and the screw

can be entirely unscrewed before the light is opened; or the light can be shut tightly to its place and held by hand until the fasteningscrews are turned into their places.

In the drawing, *a* represents the ring or frame that is to be attached permanently to the vessel, either the deck or the side. *b* is the metallic frame carrying the glass *c*, as usual, and this frame *b* may be connected to *a* by hinges. *d d* are the handles of the screws *e e*, which screws pass into the ring *a* to hold the light tightly to its elastic bed *f*. *g g* are collars—one to each screw *e*—attached thereto by a pin, or otherwise, after the screw has been passed through the frame *b*, and *h h* are recesses in *b* into which the collars *g* pass freely as the screw is unscrewed, or when the light is closed to its place previous to screwing in the screws.

In the drawing I have shown one of the screws as screwed into place, and the other as withdrawn.

What I claim, and desire to secure by Letters Patent, is—

The collar *g*, applied to the shank of the fastening-screw of a deck or side light, in combination with the recess *h* in the frame carrying the glass, for the purposes and as specified.

In witness whereof I have hereunto set my signature this 16th day of January, 1864.

HERMAN WINTER.

Witnesses:

J. HINCKLY, Jr.,
JOHN W. McDANIEL.