

*G. & G. W. Stoner,
Center Board.*

No. 61029.

Patented Jan. 8, 1867.

Fig. 1.

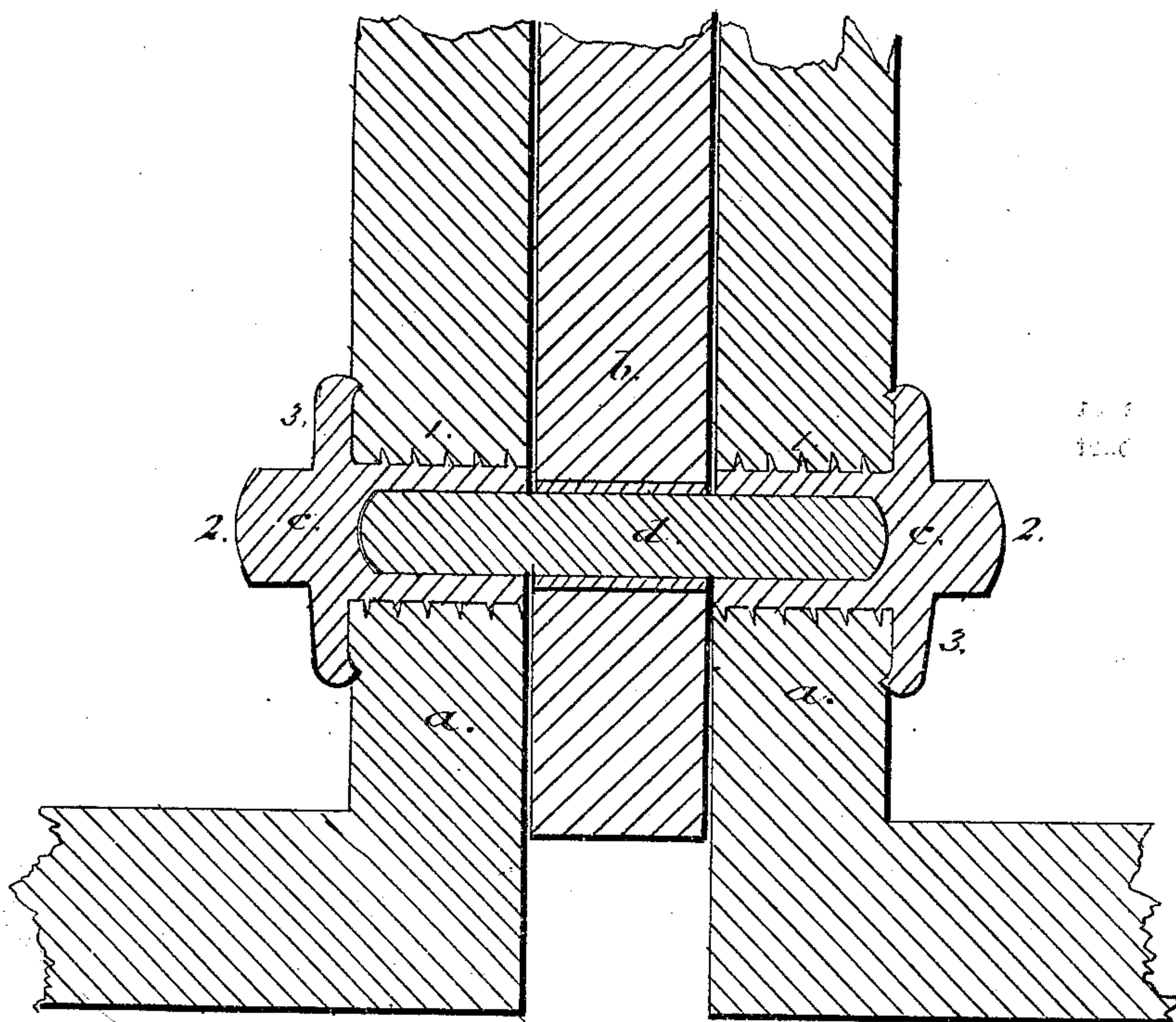
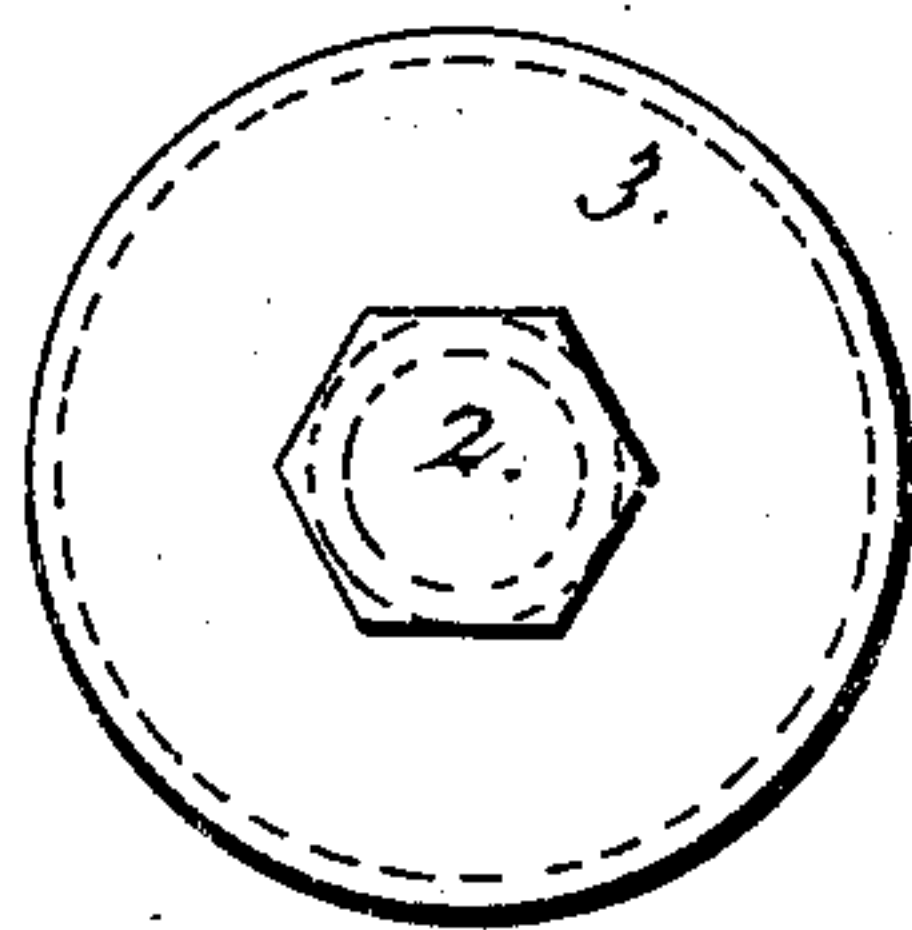


Fig. 2.



*Witnesses;
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United States Patent Office.

GEORGE STORER, OF NEW BRITAIN, AND GEORGE W. STORER, OF
PORTLAND, CONNECTICUT.

Letters Patent No. 61,029, dated January 8, 1867.

IMPROVED ATTACHMENT FOR CENTRE-BOARDS OF VESSELS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, GEORGE STORER, of New Britain, in the county of Hartford, and GEORGE W. STORER, of Portland, in the county of Middlesex, and State of Connecticut, have invented, made, and applied to use a certain new and useful improvement in Attachments for the Centre-Boards of Vessels; and we do hereby declare the following to be full, clear, and exact description of the said invention, reference being had to the annexed drawing, making 1 of this specification, wherein—

Figure 1 is a vertical section transversely of the trunk, showing our improved attachment for the centre-board; and

Figure 2 is an end view of the screw-socket.

Vessels of various sizes and characters are fitted with centre-boards that can be raised or lowered in a trunk that stands longitudinally of the vessel in the centre thereof. The centre-board is usually attached by a pin that is driven through holes in the trunk and centre-board. In consequence of the strain on this pin, and the frequent removals of the same, a leak is apt to occur at the said pin, and sometimes considerable damage is done before it is discovered.

The nature of our said invention consists in a screw-socket passing into a hole in the side of the trunk and receiving the pin that attaches the centre-board; by this means the centre-pin is sustained so that it is not liable to bend. The pin can be taken out with facility for allowing the centre-board to be removed, and a perfectly tight joint is insured, so that leakage is effectually prevented.

In the drawing, *a* represents a portion of the trunk, fitted centrally of the vessel, and opening outwardly through the bottom of the vessel in any known or desired manner. *b* is a portion of the centre-board, which is of suitable size, and constructed and moved in the usual way. *c* is our screw-socket, formed with a hole running into it from the inner end, for receiving the pin *d* that passes through the centre-board, and forms its attachment and centre of motion. The socket *c* is screwed into a hole of a size adapted to its reception passing through the trunk; and we prefer that the screw-portion 1 1 of said socket be made slightly tapering. A polygonal head, 2, serves for a wrench to be applied in screwing or unscrewing the socket, and we employ a flange, 3, around the outer end of the socket, having a v-shaped annulus to press into the surface of the wood and insure a tight joint. There may also be a washer of leather or rubber introduced between the socket and the trunk, or tallow may be applied to the socket where it screws into the wood. We prefer that two of these sockets be employed, one at each end of the centre-pin *d*, and they are so shown in the drawing. This allows the centre-pin to be taken out from either side of the trunk, as may be most convenient.

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

The screw-socket *c*, receiving the centre-pin *d* of the centre-board, and forming a water-tight connection with the trunk *a*, substantially as specified.

In witness whereof we have hereunto set our signatures this twenty-fifth day of October, A. D. 1866.

GEORGE STORER,
GEO. W. STORER.

Witnesses:

L. F. BOSWORTH,
D. GOULD.