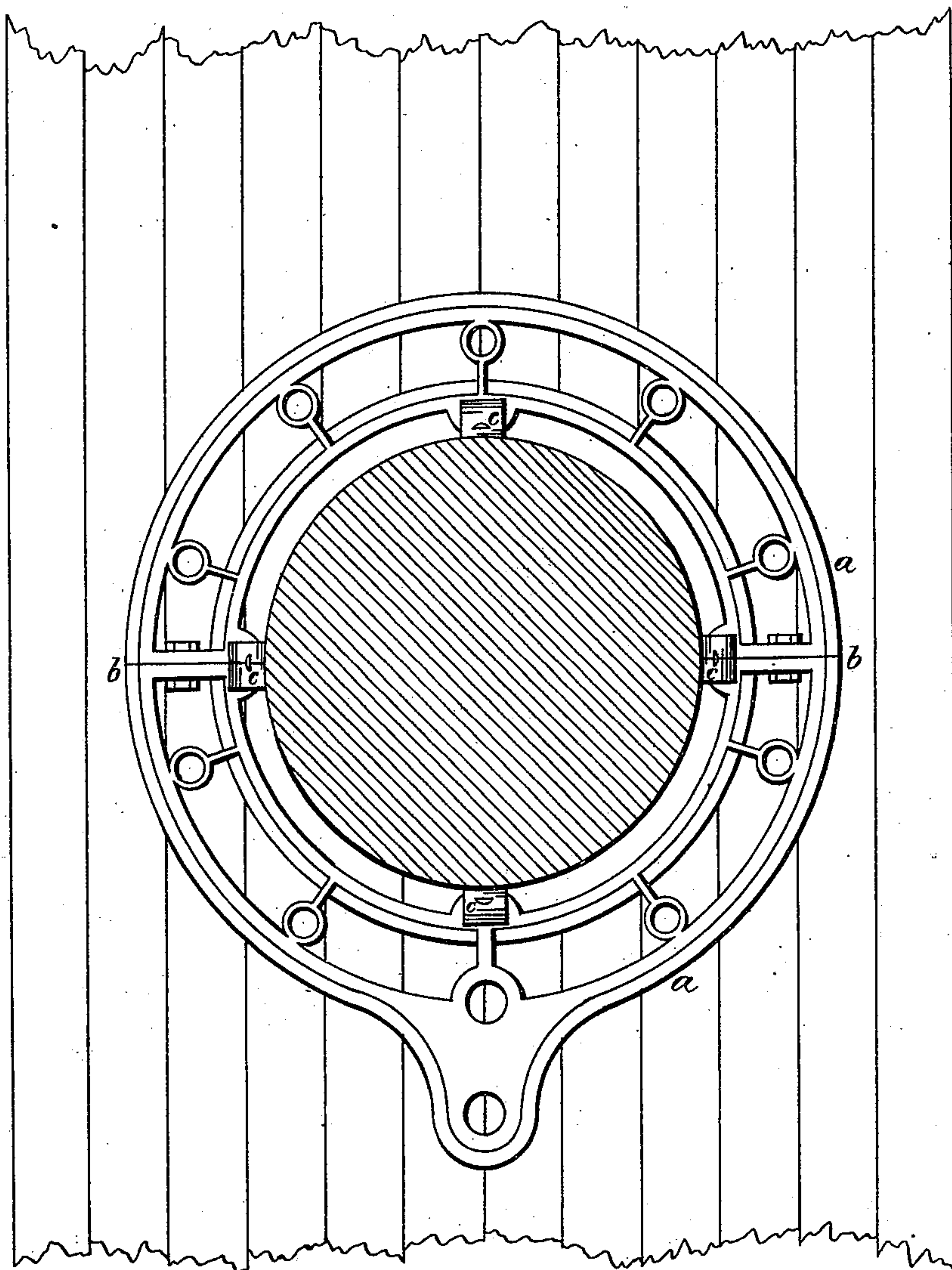


T. W. HYDE.
Pin-Rails for Vessels.

No. 200,613.

Patented Feb. 26, 1878.



WITNESSES:

Chas. H. Kimball.

Chas. C. Morney.

INVENTOR.

T. W. Hyde

Per atty.

Wm. Henry Clifford

UNITED STATES PATENT OFFICE.

THOMAS W. HYDE, OF BATH, MAINE.

IMPROVEMENT IN PIN-RAILS FOR VESSELS.

Specification forming part of Letters Patent No. **200,613**, dated February 26, 1878; application filed October 15, 1877.

To all whom it may concern:

Be it known that I, THOMAS W. HYDE, of Bath, in the county of Sagadahoc and State of Maine, have invented certain new and useful Improvements in Pin-Rails for Vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

In the drawing is shown a top view of a portion of the deck of a vessel, a mast, and a view of my improved pin-rail.

The purpose of my invention is to provide a new and improved rail for belaying-pins of the kind that are placed around the masts, a few feet above the deck, for the securing of various ropes used in the management of sails and other devices relating to vessels.

My improvement aims to so make such rails as to promote and increase the ease and convenience of their attachment to the mast. Heretofore these rails have been made whole, and have, therefore, of necessity, been so placed as that the mast or lower part thereof was passed through the rail when it was stepped or placed in its position. This was inconvenient, and might lead to serious difficulty if the placing of the rail in its position were overlooked or forgotten.

I make the rail in two or more parts, so that it can be placed around and fitted to the mast after it is in position. I make the rail of cast-iron, and so enhance its cheapness, and the rapidity with which it can be constructed.

When the rail is made whole or of one piece, it is likely not to be adapted or fitted to the mast; or, if so fitted when new, it may become loose in time by wear, from shrinkage of the mast, and various causes. Once loose, it is plain that the whole iron rail can only be tightened by wedging or chocking, or some such method.

My improved rail, being in two or more pieces, can always be easily and readily tightened up to the mast.

In the drawing, *a* shows the parts of the pin-rail formed in such way as may be most suitable for its intended use. At the joints or junctions *b* of the several parts are provided notched cleats *c*. These cleats receive the rail at these points, bind it firmly, hold the parts together, and the entire rail in place. Thus there is produced a cast-iron pin-rail made in parts, for the masts of vessels, with a capacity of being fitted and adjusted to the mast—one that can be readily applied, tightened, and well held in position.

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

A pin-rail composed of the two or more parts, of cast metal, in combination with the notched cleat *c*, attached to the mast and holding the rail, as herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

THOS. W. HYDE.

Witnesses:

J. F. HAYDEN,
EDWIN H. JEWETT.