

T. G. BELL.

Thimbles for Ships Riggings.

No. 139,230.

Patented May 27, 1873.

Fig. 1.

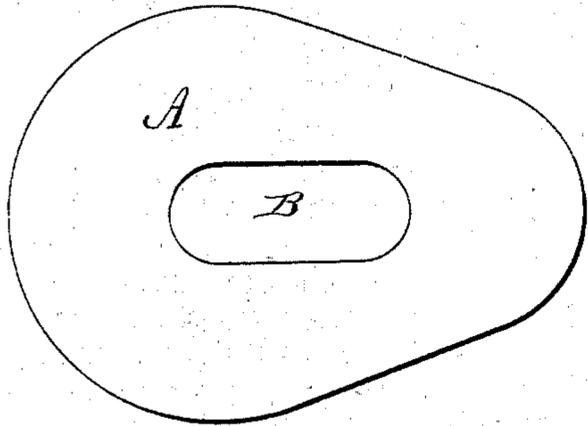


Fig. 2.

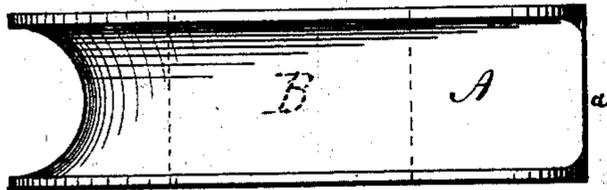
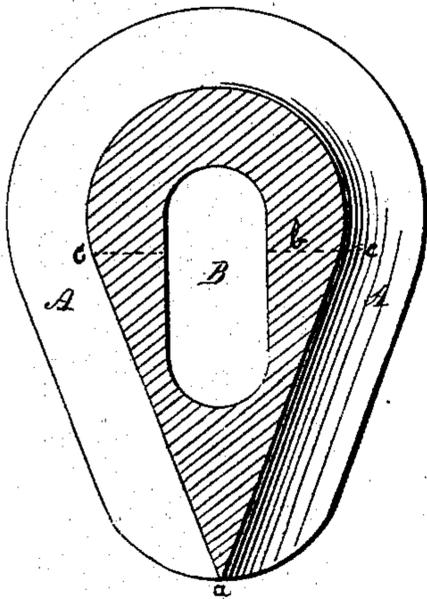


Fig. 3.



Witnesses  
John A. Ellis  
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# UNITED STATES PATENT OFFICE.

THOMAS G. BELL, OF BROOKLYN, NEW YORK.

## IMPROVEMENT IN THIMBLES FOR SHIPS' RIGGING.

Specification forming part of Letters Patent No. **139,230**, dated May 27, 1873; application filed March 18, 1873.

*To all whom it may concern:*

Be it known that I, THOMAS G. BELL, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Thimble for Ship-Rigging, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in a pear-shaped thimble with oblong pin-hole, to be used in ships' rigging, &c., in lieu of the ordinary round thimble, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation referring to the annexed drawing, in which—

Figure 1 is a plan view; Fig. 2, a side view of my invention; and Fig. 3 is a section thereof.

A represents the thimble, made of the cast metal ordinarily used for such articles, or of any material that will answer the same purpose. The general outline of the thimble is pear-shaped, as shown, and provided with an oblong pin-hole, B, having parallel sides, receiving a pin of corresponding form, to prevent the thimble from canting with the greatest stress the rope is capable of standing. The thimble has a groove around its outer surface, terminating at a point at *a* or coming together

at that point, as shown in Fig. 3. The groove upon either side of the thimble forms a triangle with the extremities of the minor axis—represented by dotted line *b*, Fig. 3—of the thimble, the bottom of the groove from the points *c c* being on a straight line to the point *a*.

I am aware that an oval thimble with central oblong perforation has been used; also, a thimble of pear shape having a corresponding opening; but my device differs from those before used by having an oblong pin-hole having parallel sides, and in having the groove upon the outside of the thimble terminating at the point thereof, and in having the bottom of the groove upon a straight line for some distance from the point *a*, so that there is but little stress upon the seizings used to retain the rope in the groove of the thimble, and preventing the thimble from turning.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, the solid or cast thimble described, provided with the oblong pin-hole B and the groove formed upon a straight line from *c* to *a*, and terminating at the point *a*, substantially as and for the purpose specified.

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

THOMAS G. BELL.

Witnesses:

WILLIAM PHIPPS,  
JOHN PETERS.