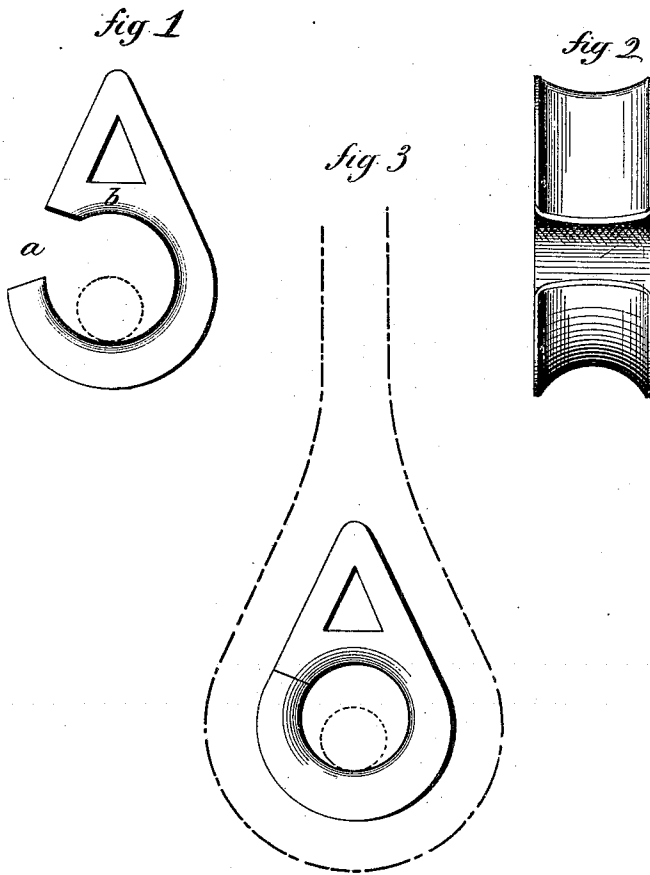


J. DUNN.
CLEW-THIMBLE.

No. 179,168.

Patented June 27, 1876.



Witnesses.
J. H. Chumley
Clara Broughton.

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UNITED STATES PATENT OFFICE.

JOHN DUNN, OF PORTLAND, CONNECTICUT.

IMPROVEMENT IN CLEW-THIMBLES.

Specification forming part of Letters Patent No. **179,168**, dated June 27, 1876; application filed April 26, 1876.

To all whom it may concern:

Be it known that I, JOHN DUNN, of Portland, in the county of Middlesex and State of Connecticut, have invented a new Improvement in Clew-Thimbles; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description, and which said drawings constitute part of this specification, and represent in—

Figure 1 a side view; Fig. 2, an edge view, and Fig. 3 the thimble as applied.

This invention relates to an improvement in the article known as "clew-thimbles"—that is to say, the bushing, which is placed in the loop of a rope to receive a ring or hook.

In the usual construction these are forged from a bar, the two ends brought together at the point. This causes the eye to run to a point also, and therefore larger than is necessary, and often occasioning difficulties in the manipulation of the ropes. The object of this invention is to overcome this difficulty, and produce a cheaper and better thimble; and it consists in a thimble, divided at one side with a bar across or filled above the eye, as more fully hereinafter described.

The general outline of the eye, as compared with the present construction when complete and in place, is substantially the same.

In making the thimble an opening, *a*, is

made in one side, sufficient to allow the ring to be passed therein, as indicated in broken lines, Fig. 1. Above this opening the two sides are connected by a bar, *b*, or it may be filled to the tip. After the ring has been thus introduced the opening *a* is closed by bending until the two sides of the opening meet, as in Fig. 3. Then the thimble is ready for the rope, which is applied in the usual manner, the edges of the thimble being made concave, substantially the same as in the usual thimble.

By this construction the thimble may be produced from malleable cast metal at less cost than the usual wrought thimble, and better, in that the eye of thimble is circular, thereby preventing the ring from passing up into the narrow or contracted portion of the thimble.

I am aware that it is not new to construct a clew-thimble with a circular eye. I therefore do not wish to be understood as claiming such construction.

I claim—

As an article of manufacture, the herein-described clew-thimble, constructed with the opening *a*, and filled above the opening, substantially as set forth.

JOHN DUNN.

Witnesses:

MARY J. EDWARDS,
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