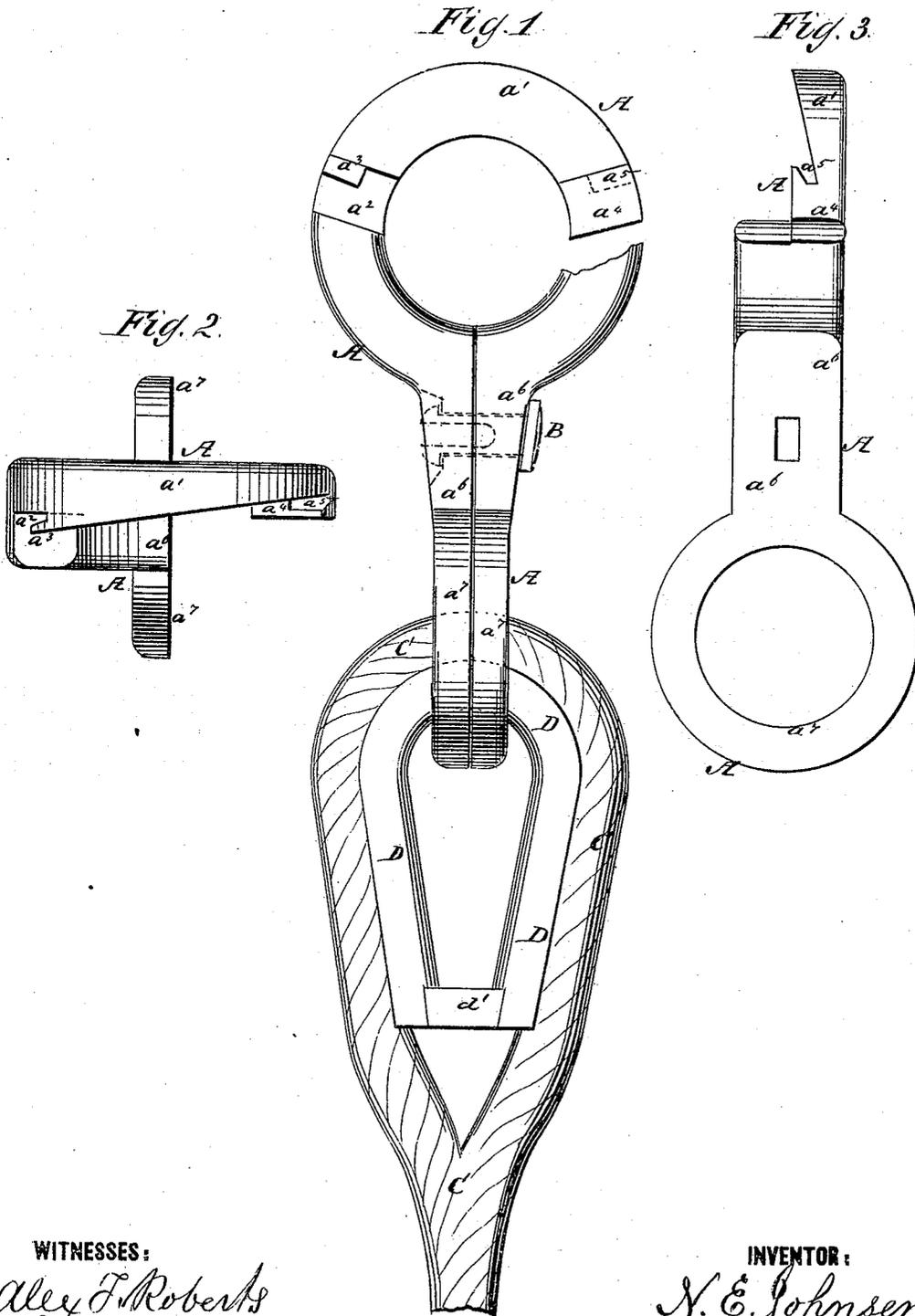


N. E. JOHNSEN.

MOUSING-HOOK.

No. 175,353.

Patented March 28, 1876.



WITNESSES:

Alex F. Roberts
Frank Blockley

INVENTOR:

N. E. Johnson
BY
Munnell
ATTORNEYS.

UNITED STATES PATENT OFFICE.

NELS E. JOHNSEN, OF CHELSEA, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND GEORGE W. GANNAWAY, OF SAME PLACE.

IMPROVEMENT IN MOUSING-HOOKS.

Specification forming part of Letters Patent No. **175,353**, dated March 28, 1876; application filed November 19, 1875.

To all whom it may concern:

Be it known that I, NELS E. JOHNSEN, of Chelsea, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Mousing Hooks, of which the following is a specification:

Figure 1 is a side view of my improved mousing-hook, part being broken away to show the construction. Fig. 2 is an end view of one part of the same. Fig. 3 is a front view of one part of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved mousing hook, simple in construction, easily applied, and safe in use, not being liable to become accidentally detached.

The invention consists in the tongued notches formed in the parts of the hook at their shoulders, and the grooved shoulders or projections formed upon said parts at their points, to adapt the parts of the hook to interlock with each other; in the combination of a spring-key with the mortised elongated shanks of the parts of the hook, and in the combination of the block with the ends of the pear-shaped thimble, as hereinafter fully described.

The mousing-hook A is formed of two main parts, the forward parts or hooks a^1 of which are halved and tapered to overlap and fit upon each other. At the shoulders of the hooks a^1 are formed notches a^2 , the forward sides of which are provided with tongues a^3 , as shown in Figs. 1 and 2. Upon the ends of the hooks a^1 are formed shoulders a^4 , in which are formed grooves a^5 to receive the tongues a^3 . The tongues a^3 and the grooves a^5 extend only half-way across the hooks a^1 , so that they may

serve as locks and as stops to keep the parts in place upon each other. The shanks a^6 of the hook are elongated, and have a mortise formed through them to receive the spring-key B, by which they are secured to each other. In the outer ends of the shanks a^6 are formed large eyes a^7 , to receive the rope c and the thimble D.

The thimble D is made pear-shaped, and has a groove in its outer side to receive the eye of the rope C. d' is a small block interposed between the ends of the thimble D, to support said ends, and thus allow the thimble to be made shorter than would otherwise be necessary, to form a cavity of the required size.

To open the hook the spring-key B is withdrawn, and the eyes a^7 slipped around upon one of the arms of the thimble D, which allows the parts of the hook to be drawn apart.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A mousing-hook provided with hooks a^1 , notches a^2 , tongues a^3 , shoulders a^4 , and grooves a^5 , constructed and arranged as and for the purpose specified.

2. The combination of a spring-key, B, with the mortised elongated shanks a^6 of the parts of the hook A, substantially as herein shown and described.

3. The combination of the block d' with the ends of the pear-shaped thimble D, substantially as herein shown and described.

NELS E. JOHNSEN.

Witnesses:

CHAS. E. CLARK,
FRANCIS W. TUFTS,
HAMLETT BATES.