E. BROAD.
Cant-Dog.

No. 205,523. Patented July 2, 1878.

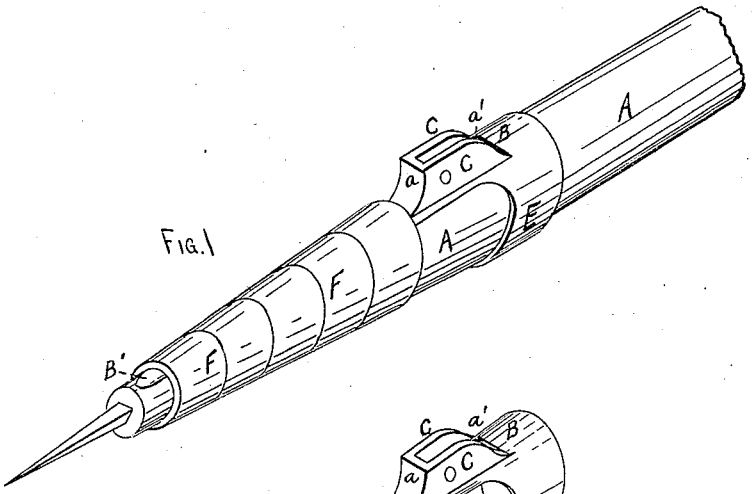

FIG. I

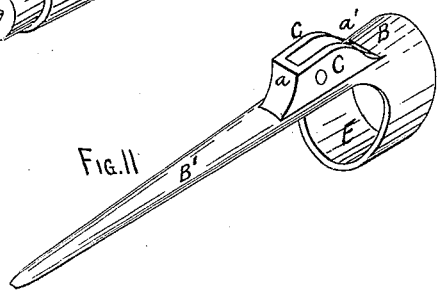

FIG. II

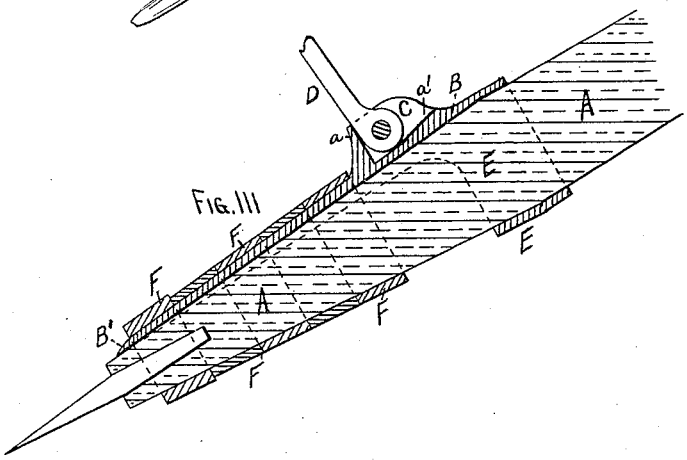

FIG. III

WITNESSES.
C. H. Woodward.
John T. Halsted.

Elisha Broad,
INVENTOR, BY
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Attys.

UNITED STATES PATENT OFFICE.

ELISHA BROAD, OF MINNEAPOLIS, MINNESOTA.

IMPROVEMENT IN CANT-DOGS.

Specification forming part of Letters Patent No. **205,523**, dated July 2, 1878; application filed February 16, 1878.

To all whom it may concern:

Be it known that I, ELISHA BROAD, of Minneapolis, in the county of Hennepin and State of Minnesota, have made certain new and useful Improvements in Cant-Hooks, which improvements are fully set forth in the following specification and accompanying drawing, in which—

Figure 1 is a perspective view of the lower end of a cant-hook, showing my improvement attached thereto. Fig. 2 is a perspective view of the plate, ears, and ferrule detached. Fig. 3 is a sectional view of the lower end of a cant-hook.

This invention relates to cant-hooks for handling logs, timber, &c.; and consists in the combination and arrangement of the several parts and their construction, as will be more fully explained hereinafter.

Similar letters denote like parts in the several views.

A is an ordinary wooden handle, but formed, as more particularly seen in section at Fig. 3, tapering each way from its largest diameter, for the purpose hereinafter explained. B E is a metal ring, slightly tapering each way from its center to correspond with the tapers of the handle A, the upper portion B extended to form a tang or wedge, B′. C C are two lugs formed with or secured to the upper end of tang B′ to form a bearing for a hook, D, which is pivoted, as shown, to the lugs C C. A front and a rear plate, *a a′*, across the ends of the lugs, limit the vibration of the hook D for obvious reasons. F F are one or more ferrules or bands to be driven on over the tang B′.

It will be observed that the metal ring B E, by reason of its shape and the double taper of the handle A, will be tightened as it is driven toward the ferrules F by compressing the wood, and that at the same time the ferrules F will be drawn up to confine the tang B′, which acts as a wedge between the ferrules and the wooden handle A.

The usual strain exerted in the use of the implement will tend to the results above set forth; or they may be accomplished by driving the ring-plate B E. In the usual form of cant-hook, where the hook is secured directly to the ferrule, the usual strain incident to its use tends to loosen the several parts.

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

In combination with the handle A, tapered as described, and the metal ring B E, with its tang B′ and hook-bearing or lugs C C, the ferrules F and hook D, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

ELISHA BROAD.

Witnesses:
C. N. WOODWARD,
LOUIS FEESER.