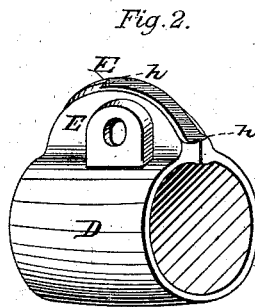
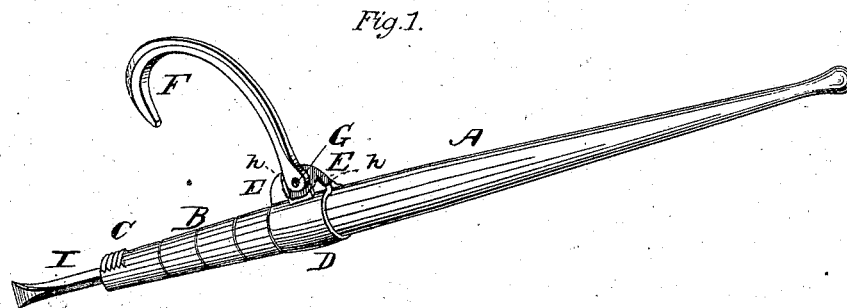


A. SANFORD.  
Cant-Hook.

No. 219,117.

Patented Sept. 2, 1879.



WITNESSES

*Albrecht J. Gerich.*  
*Wm. Blackstock.*

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# UNITED STATES PATENT OFFICE.

ALBERT SANFORD, OF OSHKOSH, WISCONSIN.

## IMPROVEMENT IN CANT-HOOKS.

Specification forming part of Letters Patent No. **219,117**, dated September 2, 1879; application filed September 17, 1878.

*To all whom it may concern:*

Be it known that I, ALBERT SANFORD, of Oshkosh, in the county of Winnebago and State of Wisconsin, have invented a new and Improved Cant-Hook, or implement for handling logs; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved implement, and Fig. 2 is a perspective view of the cant-hook band detached.

Similar letters of reference indicate the same parts in the several figures.

My invention has for its object to provide an improved implement for handling logs which shall be more efficient than those of a similar character heretofore in use; and it consists in the special construction which I will now proceed to describe.

In the drawings, A represents a staff or pole, in the end of which is inserted a metal pick or point, I, having a shank of rectangular or square form in cross-section, and curved and tapered on both sides at the end, so as to present a wide smooth surface terminating in a sharp edge, the curvature being in the plane of two opposite angles of the shank, for the purpose of giving the greatest strength in the line of greatest resistance. The implement is further provided with a ferrule, B, which encompasses and protects the lower end of the staff, and with a removable band, D, between the lugs E E of which a cant-hook, F, is pivoted.

In implements of this class, as heretofore constructed, the pick or point has been made straight and tapering, and when it is attempted to prize logs apart with said pick the tendency is for the implement to be thrown to one side or the other, by reason of the small bearing the pick has on the log, and its inability, from its straightness, to secure a firm hold on the same; and this is particularly the case where the logs are covered with ice and snow. The straight pick is subject to a similar ob-

jection when it is attempted to push a log over a deck or on the ice, for in this case there is the same want of a sufficient bearing-surface to prevent the side-moving tendency, and the inability of the pick to take a positive grasp on the deck or ice. In either use of the implement the pick, from its straightness, is liable to be bent.

The pick or point which I employ, and which I have found by continued practical use to work admirably, affords, in the first place, a broad bearing for the implement, whether prizing apart logs or rolling them over a deck or upon the ice, and the tendency to side movement is prevented. In the second place, by being curved and tapered to a sharp edge, it takes hold of the log or deck or ice positively, and thereby overcomes any slipping tendency; and, in the third place, by reason of the curvature in the plane of the opposite angles of the shank, the greatest strength is imparted to it consistent with the amount of metal employed, and the liability of bending out of shape reduced to a minimum.

The cant-hook is arranged upon the staff so as to operate at right angles to line of movement of said staff in prizing and pushing logs, and so that it will not swing into the way during such operation.

I claim as my invention—

The implement herein described, consisting of a staff or pole, A, a pick or point, I, inserted in the end of said staff, having a shank of rectangular or square cross-section, and curved and tapered on both sides at the end, so as to present a broad smooth surface terminating in a sharp edge, the curvature being in the plane of two opposite angles, a ferrule, B, which encompasses and protects the lower end of the staff, and a cant-hook, F, arranged to operate at right angles to the line of movement of the staff during the log prizing and pushing operations, substantially as set forth.

ALBERT SANFORD.

Witnesses:

JAMES FREEMAN,  
JACOB DAVIS.