

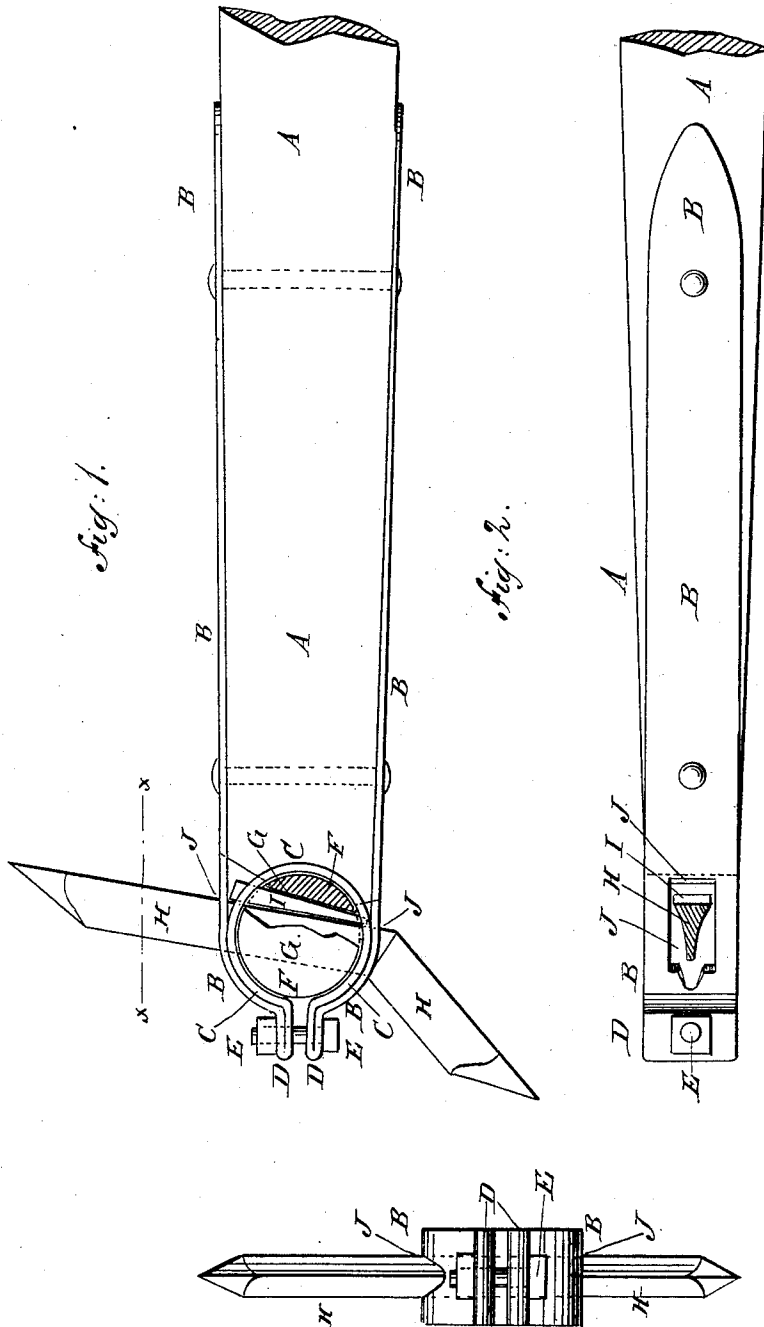
(No Model.)

G. W. PALMER & G. W. KIDDER.

ICE HOOK.

No. 320,680.

Patented June 23, 1885.



WITNESSES:

Chas. Nida
W. Sedgwick

Fig. 3.

INVENTOR:

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UNITED STATES PATENT OFFICE.

GEORGE W. PALMER, OF NEW YORK, AND GEORGE W. KIDDER, OF STAATS-
BURG, NEW YORK.

ICE-HOOK.

SPECIFICATION forming part of Letters Patent No. 320,680, dated June 23, 1885.

Application filed October 7, 1884. (No model.)

To all whom it may concern:

Be it known that we, GEORGE W. PALMER, of the city, county, and State of New York, and GEORGE W. KIDDER, of Staatsburg, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Ice-Hooks, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of a part of one of our improved ice-hooks, parts being broken away. Fig. 2 is a plan view of the same, the prong being shown in section through the line *x x*, Fig. 1. Fig. 3 is an end elevation of the same.

The object of this invention is to provide ice-hooks constructed in such a manner that the prongs can be readily adjusted to adapt the said ice-hooks to be used by tall or short men, as may be required.

The invention relates to an ice-hook constructed with a handle-strap having a socket, lugs, and apertures in its middle part, and provided with a clamping-bolt for securing in the said socket an apertured cylinder having a detachable prong secured in its aperture by a wedge-key, the said prong projecting through the apertures of the socket and handle-strap, whereby the said prong can be readily adjusted, as will be hereinafter described and claimed.

A represents the handle, which is made of suitable length and size, and to the opposite sides of its lower end are securely riveted the ends of a strap, B. The middle part of the strap B projects below the lower end of the handle A, and is bent back upon itself to form an open cylindrical socket, C, and two lugs, D, which are secured to each other by a bolt, E, passing through holes in the said lugs.

Within the socket C is placed the cylinder F, which is made a little larger than the socket C, so that it can be firmly secured in place by tightening the clamping-bolt E.

Through the cylinder F is formed an aperture, G, to receive the prong H, one end of which is inclined forward to adapt it for use in pushing the blocks of ice, while the other end is inclined to the rearward, and is used for pulling the said blocks.

The aperture G is made a little larger than the prong H, and the said prong is secured in place by a wedge-key, I, driven into the said aperture at the side of the said prong, so that the prong H can be readily detached and again secured in place.

The prong H passes through apertures J in the socket C and straps B, which apertures are made larger than the said prong, as shown in Fig. 2, so that the cylinder F and the prong H can be readily adjusted to give such an inclination to the said prong as the height of the person who is to use the ice-hook may require.

We are aware that an ice-tool has been heretofore constructed of a handle having an angular mortise through it near one end, a double tool projecting through said mortise and having an intermediate body, and a bend at the juncture of the body with one of the tool ends, so that the prongs of said tool will project from the handle in opposite directions at different angles, and we do not claim such as of our invention.

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

1. In an ice-hook, the combination, with the handle-strap B, having socket C, lugs D, and apertures J in its middle part, and provided with a clamping-bolt, E, of the cylinder F, having aperture G, the prong H, and the wedge-key I, substantially as herein shown and described, whereby the said prong can be firmly secured in place, and can be readily adjusted, as set forth.

2. In an ice-hook, the handle-strap B, made, substantially as herein shown and described, with socket C, lugs D, and apertures J in its middle part, and provided with a clamping-bolt, E, whereby the said handle-strap is adapted to receive and hold adjustably a prong-holding cylinder and its prong, as set forth.

3. In an ice-hook, the cylinder F, made, substantially as herein shown and described, with an aperture, G, to receive and hold detachably a prong and its fastening wedge-key, as set forth.

GEORGE W. PALMER.
GEORGE W. KIDDER.

Witnesses:

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