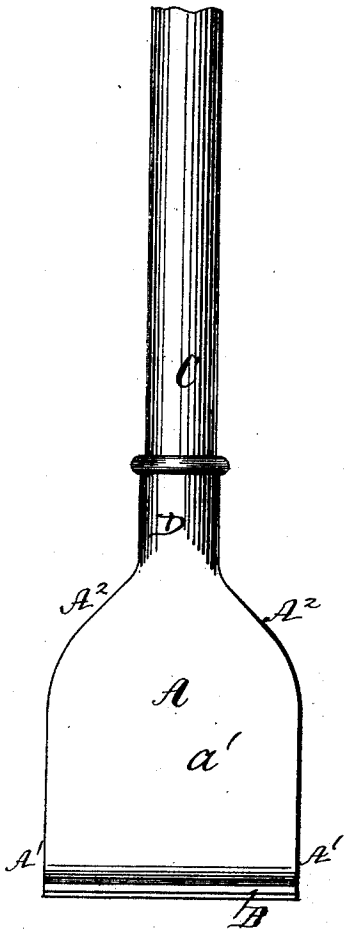


A. E. HANFORD.
ICE-IMPLEMENT.

No. 180,339.

Patented July 25, 1876.

Fig. 1.



*Franklin Barritt,
Richard Gesner
Witnesses.*

Fig. 2.



*Augustus E. Hanford.
Inventor.*

*Per: Henry Gesner,
Att'y.*

UNITED STATES PATENT OFFICE.

AUGUSTUS E. HANFORD, OF SHAWANGUNK, NEW YORK.

IMPROVEMENT IN ICE IMPLEMENTS.

Specification forming part of Letters Patent No. **180,339**, dated July 25, 1876; application filed November 13, 1875.

To all whom it may concern:

Be it known that I, AUGUSTUS E. HANFORD, of Shawangunk, Ulster county, in the State of New York, have invented certain Improvements in Ice-Cutters, of which the following is a specification:

The object of my invention is to provide an instrument adapted for cutting and removing ice or frozen snow formed or deposited on sidewalks and other similar places.

My improved ice-cutter is formed with a double-faced head, having a sharpened steel cutting-face cast in the center of one end, while the opposite end is formed with tapering shoulders and a socket for the reception of a handle.

But that my invention may be fully understood, I will describe the same in detail by reference to the accompanying drawing, which forms part of this specification, and in which—

Figure 1 represents a front view, and Fig. 2 a side view, of an ice-cutter constructed according to my invention.

In each of the views similar letters of reference are employed to indicate corresponding parts wherever they occur.

A represents the cutter-head, which is formed with two similarly-constructed shovel-faces, $a^1 a^2$, terminating at one end against the sides of a sharpened steel cutting-face, B, which is cast in the center of the end A^1 , while the opposite end of the head A is formed with tapering shoulders A^2 , terminating in a bearing, D, formed with a socket for the reception of the end of the handle C.

The peculiar construction of my improved

cutter enables it to be used in place of the ax, crow-bar, shovel, or spade commonly employed for removing ice or frozen snow from sidewalks or other similar places, the steel cutting-face B preventing the lower edge from being fractured when coming in contact with hard substances, while the head A, owing to its peculiar construction, not only assists the operator by its weight, in causing the face B to penetrate the ice, but also by using either of the faces $a^1 a^2$ to remove the chips of ice, in the same way as he would with a spade or shovel.

Having thus described my invention, I would have it understood that I do not claim, broadly, a cutting device formed with a steel cutting-edge formed on or affixed in one end thereof; but

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

An ice-cutter constructed with a head, A, having two similarly-formed shovel-faces, $a^1 a^2$, terminating at one end against the sides of a sharpened steel cutting-blade, B, in the end of the head A, and at the upper end having tapering shoulders A^2 , terminating in a bearing, D, formed with a socket for the end of a handle, C, the whole being constructed substantially as shown and described.

This specification signed this 3d day of November, 1875.

AUGUSTUS E. HANFORD.

Witnesses:

RICH. GERNER,
ANTON C. CRONDAL.