No. 831,313. PATENTED SEPT. 18, 1906

W. B. THOMAS.

ICE PICK.

APPLICATION FILED DEC. 21, 1905.

Fig. 1.

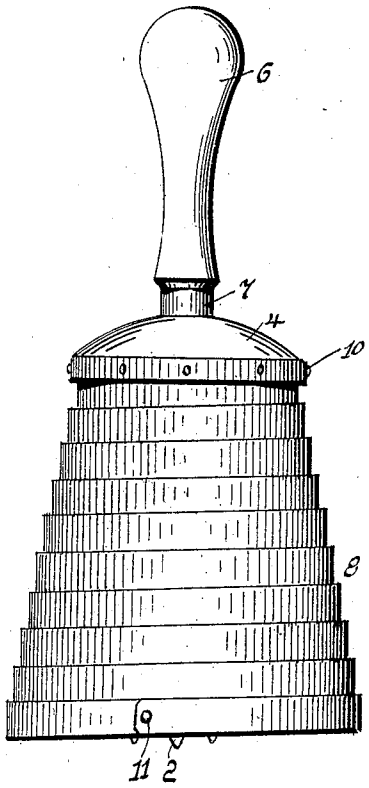
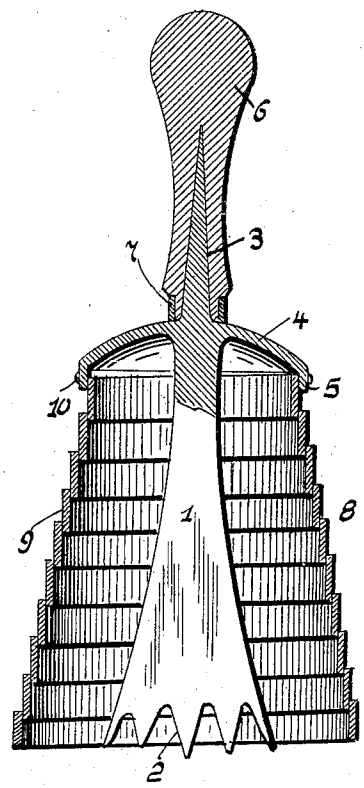


Fig. 2.



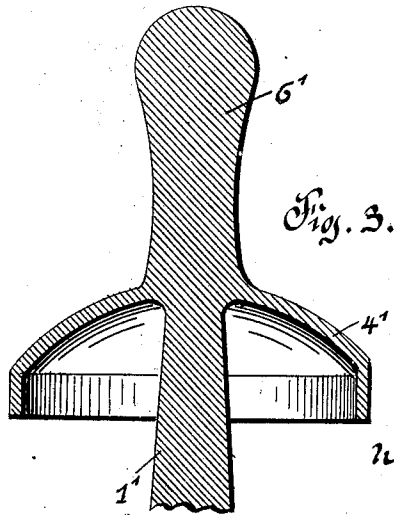


Fig. 3.

Witnesses:
C. Klosterman.
R. N. Butler.

Inventor.
W. B. Thomas.
by N. C. Evert & Co.
Attorneys.

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM B. THOMAS, OF LATROBE, PENNSYLVANIA.

ICE-PICK.

No. 831,313. Specification of Letters Patent. Patented Sept. 18, 1906.

Application filed December 21, 1905. Serial No. 292,827.

To all whom it may concern:

Be it known that I, WILLIAM B. THOMAS, a citizen of the United States of America, residing at Latrobe, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Ice-Picks, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in ice-crushers; and the invention has for its primary object the provision of novel means in connection with an ice-crusher for preventing fragments of ice from striking a person during the operation of chopping or crushing the ice.

Briefly described, my improved ice-crusher consists of a chisel-like member having a cap and a tapering end upon which a conventional form of handle is secured. Secured to the cap and surrounding the chisel-like portion of the crusher is a spiral band-spring which forms a hood or inclosure for the chisel-like member or portion of the crusher. The hood or inclosure is adapted to prevent fragments of ice from flying upwardly into the face of a person performing the operation of crushing the ice.

The above construction will be hereinafter more fully described and then specifically pointed out in the claims, and, referring to the drawings accompanying this application, like numerals of reference designate corresponding parts throughout the several views, in which—

Figure 1 is a side elevation of my improved ice-crusher. Fig. 2 is a vertical sectional view, and Fig. 3 is a fragmentary sectional view illustrating a slightly-modified form of construction.

To put my invention into practice, I construct my improved ice-crusher of a chisel-like member 1, having a serrated or toothed end 2. The chisel-like member 1 terminates in a tapering tang 3, and intermediate this tang and the toothed end 2 of the chisel-like member is formed an annular cap 4, having depending flanges 5.

A conventional form of wooden handle 6, having a ferrule 7, is mounted upon the tang 3 of the chisel-like member, whereby the crusher can be readily used.

In connection with the cap 4 I use a hood 8, which is adapted to surround the chisel-like member 1, said hood being constructed of a spirally-wound band-spring 9, the uppermost convolution of the spring being riveted, as at 10 10, to the depending flange 5 of the cap 4. The opposite end of the spring is riveted to the lowermost convolution, as at 11.

In operation the convolutions of the hood 8 are adapted to telescope one another when the chisel-shaped member 1 descends a considerable distance into a piece of ice, and as the hood 8 surrounds the chisel member the fragments of ice flying upwardly from the crack or incision made in the ice is prevented from striking the person crushing or cracking a piece of ice.

In Fig. 3 of the drawings I have illustrated a slightly-modified form of construction wherein the cap 4′, chisel member 1′, and handle 6′ are formed integral and preferably constructed of a strong and durable metal.

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

1. An ice-crusher embodying a chisel member, a cap carried by said member, a handle carried by said member, a spirally-wound band-spring secured to said cap and surrounding said member, substantially as described.

2. An ice-crusher embodying a chisel member, a cap carried by said member, a handle mounted upon said member, a resilient hood surrounding said chisel member and secured to said cap, substantially as described.

3. An ice-crusher embodying a chisel member, a hood surrounding said member, said hood consisting of a plurality of telescopic convolutions, substantially as described.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM B. THOMAS.

Witnesses:

LOUIS MAIER,

JOHN ADAMS.