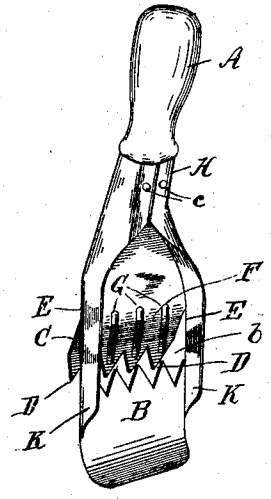
No. 655,692. Patented Aug. 14, 1900.

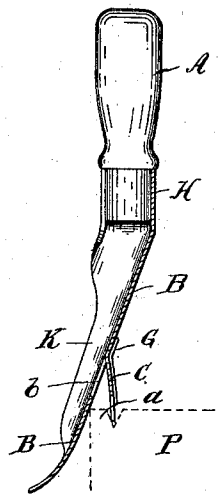
# G. F. DANA & F. M. SNOOK.

## ICE CHIPPING TOOL.

(Application filed Mar. 3, 1899.)

(No Model.)




Witnesses.
Clarence E. Mehlhose
Edward J. Faat

Inventors.
George F. Dana,
Frank M. Snook,
By Arthur Stein,
Attorney.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

# UNITED STATES PATENT OFFICE.

GEORGE F. DANA AND FRANK M. SNOOK, OF CINCINNATI, OHIO.

## ICE-CHIPPING TOOL.

SPECIFICATION forming part of Letters Patent No. 655,692, dated August 14, 1900.

Application filed March 3, 1899. Serial No. 707,568. (No model.)

*To all whom it may concern:*

Be it known that we, GEORGE F. DANA and FRANK M. SNOOK, citizens of the United States, and residents of Cincinnati, Ohio, have invented a new and useful Improvement in Ice-Chipping Tools, of which the following is a specification.

The object of our invention is to furnish an ice pick or chipper having a guard-handle and blade provided with teeth, the portions making up the guard and blade being stamped from a single piece of sheet metal or other suitable material. The purpose of the tool is to chip from a block of ice fragments of approximately the same size.

In the drawings, Figure 1 is a perspective view of the tool. Fig. 2 is a longitudinal section through the middle of the tool.

The tool consists of the handle A, the guard B, and the blade C, which is provided at its lower edge with a number of teeth D D. The blade is made in one piece with the guard and is formed by simply cutting out the teeth D D from the main portion of the guard, splitting along the edges E E for a distance sufficient to secure the proper length of blade, and then bending this partially-detached portion back along the line F, so that it stands at an angle to the main body of the guard. An opening *b* is thus left in the bottom of the guard. The ridges G are stamped in the portion forming the blade and extend a short distance above the line F and add stiffness and rigidity to the blade. The guard is provided with side flanges K K, which prevent the ice from slipping off the main part of the guard, and said guard is preferably curved outwardly at its lower end.

In using the tool it is grasped firmly by the handle and struck forcibly downward, so that the teeth are brought into violent contact with the block of ice at a distance from its edge approximately equal to the distance *a* between the teeth and the bottom of the guard. Fragments of ice approximately equal in size are thus detached from the block and, passing through the opening *b* of the guard, are guided by the latter into a bowl or other receptacle.

The blade may be provided with any number of teeth, depending upon the size of the fragments required. The upper part of the guard is bent around and fastened to the handle A by the rivets *c c* or in any other convenient manner.

Having thus described our invention, what we wish to claim by Letters Patent is—

In an ice-pick, stamped from a single piece of sheet metal, a guard provided with an opening, said guard being curved outwardly at its lower end, a blade integral with said guard, said blade provided with teeth at its lower edge and stiffened by ridges extending lengthwise of the teeth stamped in the metal, and flanges integral with the guard, said flanges rolled to form a ring for the reception of a handle, substantially as and for the purpose described.

GEORGE F. DANA.
FRANK M. SNOOK.

Witnesses:
GEORGE HEIDMAN,
EDWARD HAAT.