Dec. 14, 1937. H. F. NILES 2,102,331

ICE PICK

Filed Oct. 14, 1935

Fig. 1

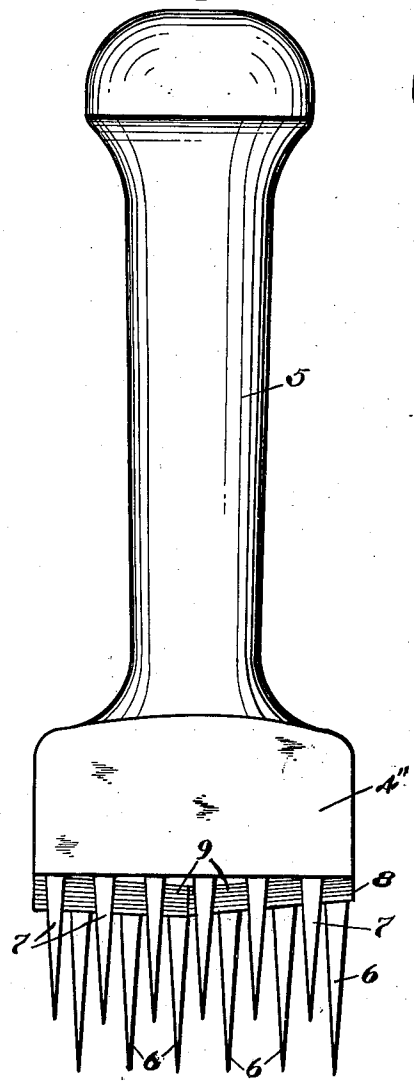


Fig. 2

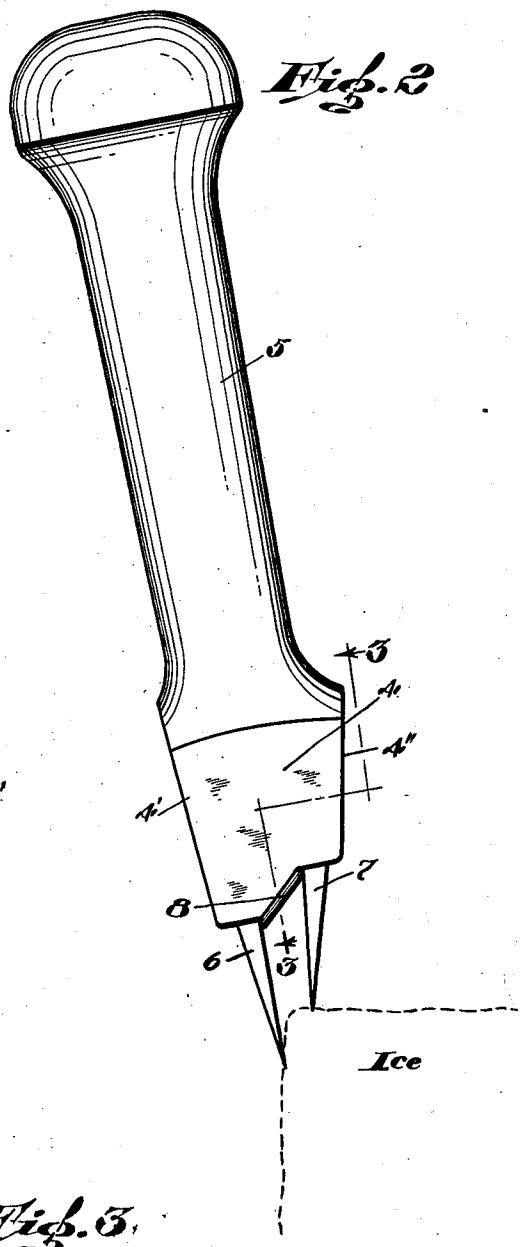
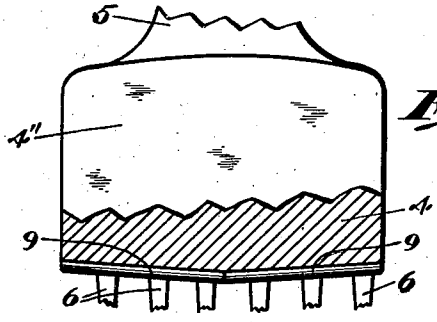


Fig. 3



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UNITED STATES PATENT OFFICE

2,102,331

ICE PICK

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Application October 14, 1935, Serial No. 44,858

4 Claims. (Cl. 83—62)

My invention relates to ice picks and more particularly to an ice pick designed for use in breaking up ice into small pieces quickly and as needed at the serving counter. In serving certain drinks, it is highly desirable that the ice be broken into quite small pieces so as to quickly affect the cooling operation of the drink into which it is placed. Various machines have been devised for this purpose, but the best results are had when the ice can be quickly and conveniently chipped from a large piece at the time it is needed.

Among the salient objects of my invention are to provide a hand ice pick with plural rows of sharp prongs, the prongs of one row projecting further down than the prongs of another row; to provide in a pick of the character referred to rows of sharp prongs in which the prongs of one row are staggered with relation to the prongs of another row; to provide in such a pick two rows of sharp prongs which converge toward each other, and, in general, to provide a simple, practical and more efficient ice pick of the character referred to.

In order to fully explain my invention, I have illustrated one embodiment of the same on the accompanying sheet of drawings, in which—

Figure 1 is a rear view of an ice pick embodying my invention;

Figure 2 is an edge view thereof, also showing in light broken lines, the outline of a block of ice on which the pick is about to be used; and

Figure 3 is a fragmentary view, with part broken away and shown in section on line 3—3 of Fig. 2.

Referring in detail to the drawing, the body of the pick is designated 4, which is integral with a handle 5, and in the form shown said body and handle are cast of suitable metal. The front face of the body is shown flat and straight, at 4', while the rear face is shown flat and at a slight angle relative to the front face, as at 4''. A front row of sharp prongs, 6, 6, is shown anchored in the body 4, near the front face, while a back row of sharp prongs designated 7, 7, are anchored in said body 4 near the rear face thereof and at an angle corresponding to the angle of said face, said rear prongs being shorter than the prongs of the front row, as will be clear from the showing, and said prongs being staggered with relation to the prongs of the front row, as will be clear from the showing in Fig. 1.

The body 4, at its lower end, between the rows of prongs, is tapered from back to front, as at 8, and also tapers from the middle in opposite directions, as shown at 9, 9, Fig. 3. By so tapering the body of the device between the rows of prongs, it facilitates the movement of the particles of ice from between said prongs and prevents clogging.

In use, the ice pick is held and operated substantially as indicated in Fig. 2, with an up and down gouging movement, the short prongs 7, 7, gouging down into the ice and tending to break off pieces at each prong, while the long prongs gouge into the faces of the pieces being broken by the short prongs and break said pieces into smaller pieces. This is made more effective by reason of the staggering arrangement of said prongs. It will be noted that if said prongs were extended lengthwise they would come together or intersect. The contacts of said points with the block of ice are in directions which are toward each other, which operates to break the particles of ice from the block and to break said particles themselves as they are engaged by the longer prongs in the gouging operation of the pick.

I am aware that changes in details can be made in the showing here made for descriptive purposes without departing from the spirit of the invention, and I do not, therefore, limit the invention to these details except as I may be limited by the hereto appended claims.

I claim:

1. An ice pick including a body having a handle and having two rows of sharp prongs set therein and projecting therefrom, longitudinally thereof, one row of prongs being shorter than the other row and being set at an angle thereto, whereby said prongs, if extended lengthwise, would intersect the line of said longer prongs.

2. An ice pick of the character shown and described including a body having sharp prongs anchored therein in different rows, one row being higher than an adjacent row, said body tapering from one row to the other row, the prongs of each row being staggered with relation to the prongs of the adjacent row.

3. An ice pick including a body with handle, said body being provided with two rows of sharp prongs set therein, one row being set higher than the other row and said body tapering from one row to the other row, said body also tapering from the middle portion thereof laterally to the opposite sides thereof, between said rows, and the prongs of one row being staggered with relation to the prongs of the other row, substantially as shown and described.

4. An ice pick of the character shown and described and including a body having two rows of sharp prongs set therein at different levels, the prongs of one row being staggered with relation to the prongs of the other row, and the prongs of one row being set at an angle to converge toward the prongs of the other row, and said body being tapered between said rows in different directions to facilitate removal of particles of ice from between said rows of prongs.

HARRY F. NILES.