

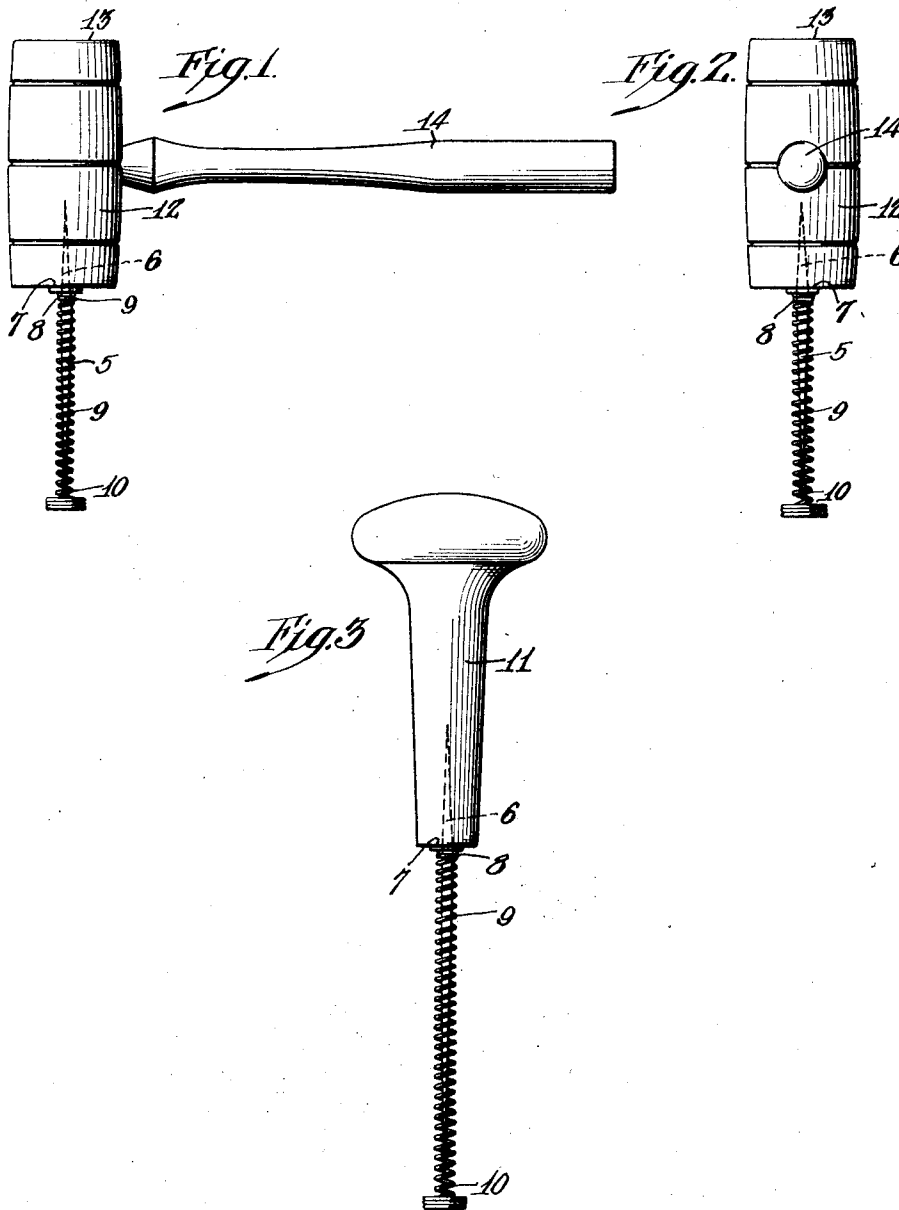
Aug. 7, 1928.

1,679,666

S. M. KASS

ICE PICK AND GUARD

Filed April 5, 1926



Inventor
Samuel M. Kass

by *W. Steel Jackson*
Attorney

Witness:
Walter Chas.

UNITED STATES PATENT OFFICE.

SAMUEL M. KASS, OF PHILADELPHIA, PENNSYLVANIA.

ICE PICK AND GUARD.

Application filed April 5, 1926. Serial No. 99,811.

My invention relates to ice picks and guards for them.

One purpose of my invention is to provide a guard for a sharp ice pick point which shall protect against accidental injury by the point and shall yield to the blow of the pick.

A further purpose is to provide an ice pick upon the end of a mallet so that the advantage of the weight as well as the swing of the mallet head may be available to drive the ice pick.

A further purpose is to combine a mallet carrying an ice pick and a guard by which the ice pick is protected so as to make it possible to have as strong and therefore as fully protective a guard as possible and at the same time to easily compress it in use.

I have preferred to illustrate my invention by one general form of guard and two picks only, to which it is applied, among the various guards and picks coming within my invention, selecting the forms shown because they are practical, effective and inexpensive and at the same time well illustrate the principles of my invention.

Figures 1 and 2 are side and end elevations respectively of one form of ice pick and guard.

Figure 3 is a side elevation of an ice pick having a different handle but with the same form of guard.

In the drawings similar numerals indicate like parts.

The ice pick 5 selected for illustration in both of the forms is of the single-pointed type whose sharpness makes it dangerous to people as well as to surrounding objects. The pick is secured to the handle in any suitable way as by means of a tang 6. It is provided with a flange 7 having a hub 8 to which the guard 9 is attached as by gripping the exterior of the hub, by soldering or by any other suitable means.

The guard is in the form of a long spiral spring surrounding the pick and extending at 10 beyond the end of the pick to protect the point of the pick. It is adapted to be compressed endwise when the pick is used so as to allow the point of the pick to enter the ice.

In Figure 3 the pick is mounted upon a plain handle 11 forming a tool much like an awl. Since the function of both is the

same as regards the ice pick I am including both of these under the term mallet.

It is capable of use solely by hand or of use with a mallet.

Users of ice picks have so far recognized the need of applying a hammer or mallet to a pick of the general character of that shown in Figure 3, that sets are on sale comprising a mallet and an ice pick of this type. I have aimed to combine the benefit of these two implements by fastening the pick in Figure 1 in the end of a mallet head 12 whose opposite end 13 is preferably plain so that it may be used for cracking ice.

To the mallet head is applied handle 14. I thus obtain the advantage of the swing of the handle and of the mass of the head to force the pick to its duty and secure the benefit in a single-hand implement of the mallet and pick supplied in these sets. Intended use of the plain end of the mallet separately for cracking ice gives additional need of protection and, correspondingly, additional advantage to the guard about the pick.

It will be observed that the same type of ice pick is capable of use in both locations and that the guard performs the same function in each; with the qualification that a stronger guard is needed and also a stronger guard can be used in the mallet form than in the awl form.

In the figures the guard is provided with an enlarged end 15 adapted to form a better seat for engagement with the ice than the seat formed by the plain end of the spring. Obviously the spring can be used with a plain end of the same diameter as the spring, or if a special terminal is desired to better or more reliably compress the guard, its character will differ widely according to whether the function be intended to be decorative or useful, and according to whether the designer prefers to make it out of the material of the guard or to supply a separate terminal for it.

In view of my invention and disclosure variations and modifications to meet the individual whim or particular need will doubtless become evident to others skilled in the art, to obtain part or all of the benefits of my invention without copying the structure shown, and I, therefore, claim all

such in so far as they fall within the reasonable spirit and scope of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:—

5 1. A single prong ice pick, a head upon which the pick is mounted, a handle for the head extending transversely to the length of the pick and a spiral spring guard about
10 the pick normally extending beyond the point of the pick and compressible longitu-

dinally of the pick to expose the point of the pick with a blow upon the guard and to apply the pick to the ice.

2. In an ice pick, a handle, a single prong 15 sharp pick and a spiral spring cover and guard for the pick extending beyond the end of the pick and carrying an enlarged terminal through which, in use, the pick is adapted to be driven into the ice.

SAMUEL M. KASS.