A. MIKLOS.

ICE PICK.

APPLICATION FILED AUG. 24, 1914.

1,133,052.

Patented Mar. 23, 1915.

Fig. 1.

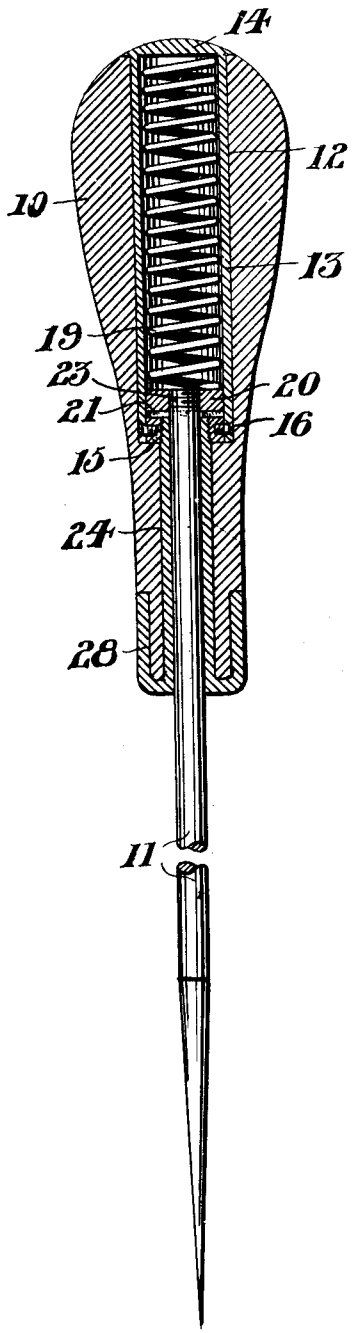


Fig. 2.

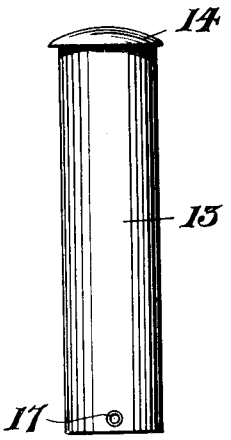


Fig. 3.

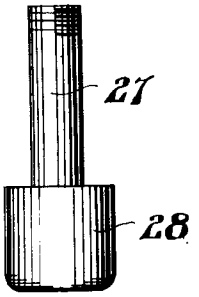


Fig. 4.

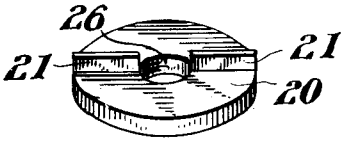
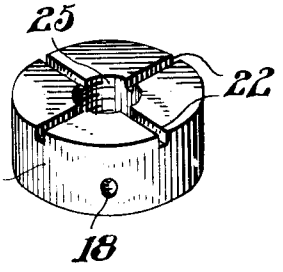


Fig. 5.



Witnesses

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ALEX MIKLOS, OF COLUMBUS, OHIO.

ICE-PICK.

1,133,052. Specification of Letters Patent. Patented Mar. 23, 1915.

Application filed August 24, 1914. Serial No. 858,206.

To all whom it may concern:

Be it known that I, ALEX MIKLOS, a subject of the King of Hungary, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Ice-Picks, of which the following is a specification.

This invention relates to certain new and useful improvements in ice-picks.

The primary object of this invention is to provide a spring-mounted pick in which the pointed member is automatically restrained from revolving by means of a spring element of the device.

A further object is to provide an ice-pick construction in which all of the elements may be readily disassembled including a compression spring for the pick and an automatic locking means therefor.

A still further object is to provide a pick adapted for breaking up ice, and that is cheap and easy to manufacture but which is so constructed as to cushion the hand of the operator when forcibly driving the pick against the ice.

With these general objects in view and others that will appear as the nature of the invention is better understood, the same consists in the novel combination, and arrangement of parts to be hereinafter more fully described, illustrated in the accompanying drawings, and set forth in the appended claims.

In the drawings forming a part of this application and in which like-designating characters refer to corresponding parts throughout the several views, Figure 1 is a longitudinal central sectional view of the device. Fig. 2 is a side elevation of the spring casing detached. Fig. 3 is a side elevation of the casing mounting means detached. Fig. 4 is a perspective view of the engaging disk for the pick removed therefrom, and Fig. 5 is a perspective view of the end cap of the casing.

Referring more in detail to the drawings, the device broadly consists of a handle 10, preferably formed of wood, and having the pointed metallic pick 11 mounted therein. The handle 10 is provided with an enlarged bore 12 extending axially thereof, and having removably fitting therein a tubular casing 13, the closed top 14 of which forms the engaging end of the handle for grasping by the operator.

A cap 15 is removably positioned in the open end of the casing 13, and is secured by means of opposite screws 16 projecting through openings 17, positioned adjacent the casing end, and projecting into the screw-threaded opening 18 in opposite sides of the said cap.

A helical spring 19 is positioned compressed within the casing 13 and bears upon the adjacent surface of a follower disk 20, which is slidably positioned within the said casing. The lower face of the disk 20 is provided with a plurality of radial ribs 21, adapted to seat and engage in complementally formed radial grooves 22 in the adjacent face of the casing cap 15.

The pointed pick 11 has a threaded blunt end 23 adapted to be positioned through the longitudinal bore 24 of reduced diameter, and forming a continuation of the enlarged bore 12, the said pick end extending through a central perforation 25 of the casing cap, and attached by its screw-threaded connection to the said disk 20 within the central screw-threaded perforation 26 thereof.

A bushing of the form illustrated in Fig. 3 is provided with the tubular portion 27 adapted to be inserted through the bore 24 and screw-threaded into the opening 25 of the casing cap, which opening is screw-threaded for the reception thereof. The ferrule 28 forms a part of the bushing and is adapted to protect the inner end of the handle 10, while the pick 11 is slidable within the bushing.

The complete operation of the device will be apparent from the present detailed description in that the elements being assembled as best illustrated in Fig. 1, the spring 19 normally holds the disk 20 and cap 15 in contact with each other and with the ribs 21 of the disk seated within the grooves 22 of the cap when the said ribs and grooves are brought in proper alinement with each other by imparting a partial revolution to the pick 11. By grasping the handle 10 in the hand, the pick 11 may be violently contacted with the ice for the purpose of separating and breaking the ice, and as will be apparent, the spring 19 pressing against the end disk of the pick, cushions the impact of the blow by imparting resilient inward relative movement to the pick slidably within the handle.

It will thus be seen that an efficient pick is provided, and while the forms of the invention herein shown and described are what

are believed to be preferable embodiments thereof, it is to be understood that changes may be made therein without departing from the spirit and scope of the invention as set forth in the claims.

What I claim is:—

1. An ice pick comprising a handle having a longitudinal central bore, a tubular casing within a portion of said bore, and having an overlapping closed end at one end of the handle, a cap having a screw-threaded opening secured in the open end of said casing, a bushing upon the opposite end of the handle, and having an inwardly projecting portion within said bore, and screw-threaded into said cap, a pick slidably mounted through said bushing and extending into said casing, and an expansion spring within said casing normally engaging the inner end of the pick.

2. An ice pick comprising a handle, a tubular casing carried by said handle, a closure cap at one end of the casing having a central perforation therethrough and provided with radial grooves on its inner face, a disk slidably mounted within said casing, depending ribs upon said disk adapted for engaging the adjacent side of said cap, and in seating engagement with said grooves, a pick extending through said cap perforation, and attached to said disk, and an expansion spring within said casing engaging the said disk.

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

ALEX MIKLOS.

Witnesses:
ANDY MIKLOS,
MIKE PLASZ.