

(No Model.)

W. B. POLLARD.
ICE PICK.

No. 585,697.

Patented July 6, 1897.

Fig. I.

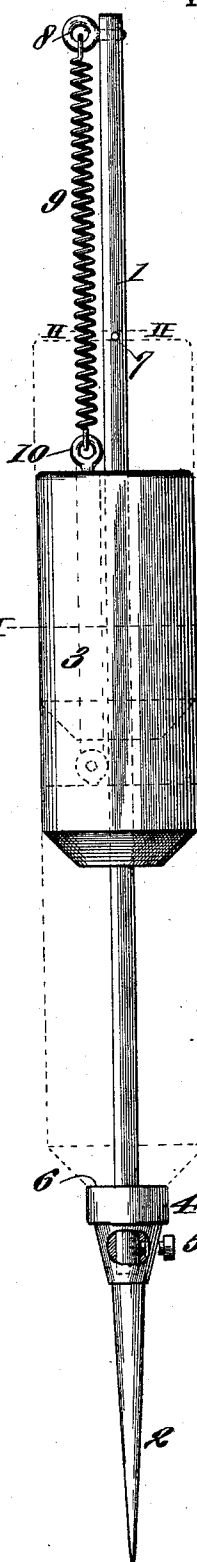


Fig. II.

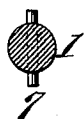
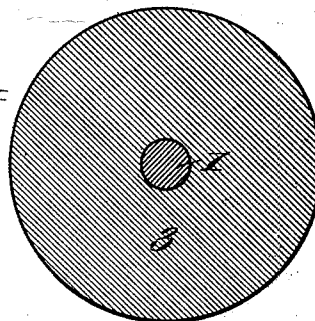


Fig. III.



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UNITED STATES PATENT OFFICE.

WILLIAM B. POLLARD, OF HOT SPRINGS, ARKANSAS, ASSIGNOR TO CELIA BAIRD POLLARD, EDWARD H. JOHNSON, MARGARET COOK GAINES, AND WALTER SIMMONS POLLARD, OF SAME PLACE.

ICE-PICK.

SPECIFICATION forming part of Letters Patent No. 585,697, dated July 6, 1897.

Application filed September 2, 1896. Serial No. 604,599. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. POLLARD, a citizen of the United States, residing at Hot Springs, in the county of Garland, in the State of Arkansas, have invented a certain new and useful Improvement in Ice-Picks, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to an improvement in implements for breaking ice, and is especially adapted for domestic use in chipping off small portions of ice; and my invention consists in features of novelty hereinafter described, and pointed out in the claim.

The principal object of my invention is to produce an ice-pick employing a sliding weight of such construction that the implement may be used with precision with one hand, thereby permitting the use of the other hand for holding the block of ice while the desired piece is being broken from it. In the use of the ordinary weight-employing ice-pick it is necessary to hold the implement against the ice with one hand and to operate the weight by means of the other hand, which renders it impossible to hold the block of ice from movement while the ice is being broken.

In my improved ice-pick I employ a spring through means of which the point of the pick is held against the ice, while the weight is retracted after every blow, and the result is that I am enabled to hold the implement against the ice with one hand only, owing to the fact that the spring causes the shaft of the implement to be held forward against the ice during the retraction of the weight for each successive blow.

Referring to the drawings, Figure I shows a side view of the complete implement. Fig. II illustrates a section taken on line II II, Fig. I, through the shaft of the implement. Fig. III illustrates an enlarged cross-section taken on line III III, Fig. I, through the shaft and weight.

In the drawings, 1 designates the shaft, provided with the point 2, held by a set-screw 5. 3 designates the sliding weight, which is

loosely fitted to the shaft 1, so as to move 50 freely thereon.

4 designates a collar on the upper end of point 2, and on which shaft 1 is secured by means of a set-screw 5. The inner end of said collar provides a shoulder 6, against 55 which the weight 3 strikes in the operation of the implement. Extending through the shaft 1 is a cross-pin 7, that forms a stop for the upward travel of the weight 3. Beyond the cross-pin 7 and in the proximity of the 60 end of the shaft 1 is secured an eye 8, to which one end of a spring 9 is attached. The opposite end of the spring 9 is connected to an eye 10, carried by the weight 3.

The spring 9 I have shown is of spiral form, 65 but any other suitable form of spring might be utilized, and I propose in some instances to employ a spring consisting of a rubber band in lieu of the form of spring shown.

In the operation of this pick the point 2 is 70 placed against the ice at the location where the fracture is to be made, and then by sliding the weight along the shaft it is caused to strike against the shoulder 6 of the collar 4, and the point 2 is driven forward into the 75 ice. On retracting the weight the spring 9 causes the shaft of the implement to be held forward, and the point of the implement is thereby caused to retain its original position, and the blows of the weight against the shoulder 6 may be repeated until the point has 80 penetrated sufficiently into the block of ice to fracture it and break off the amount of ice desired.

I claim as my invention—

85 In an ice-pick, the combination of a shaft carrying a point, a collar on said shaft, a weight adapted to serve as a handle and arranged to slide upon said shaft, a stop arranged to limit the extent of movement of said weight on re- 90 traction, an eye on said shaft, an eye on said weight, and a spring having its ends connected to said eyes and arranged to retract said weight, substantially as described.

WILLIAM B. POLLARD.

In presence of—

W. S. POLLARD,
E. P. GAINES.