(No Model.)

F. M. STEVENS.

Ice Pick.

No. 239,403. Patented March 29, 1881.

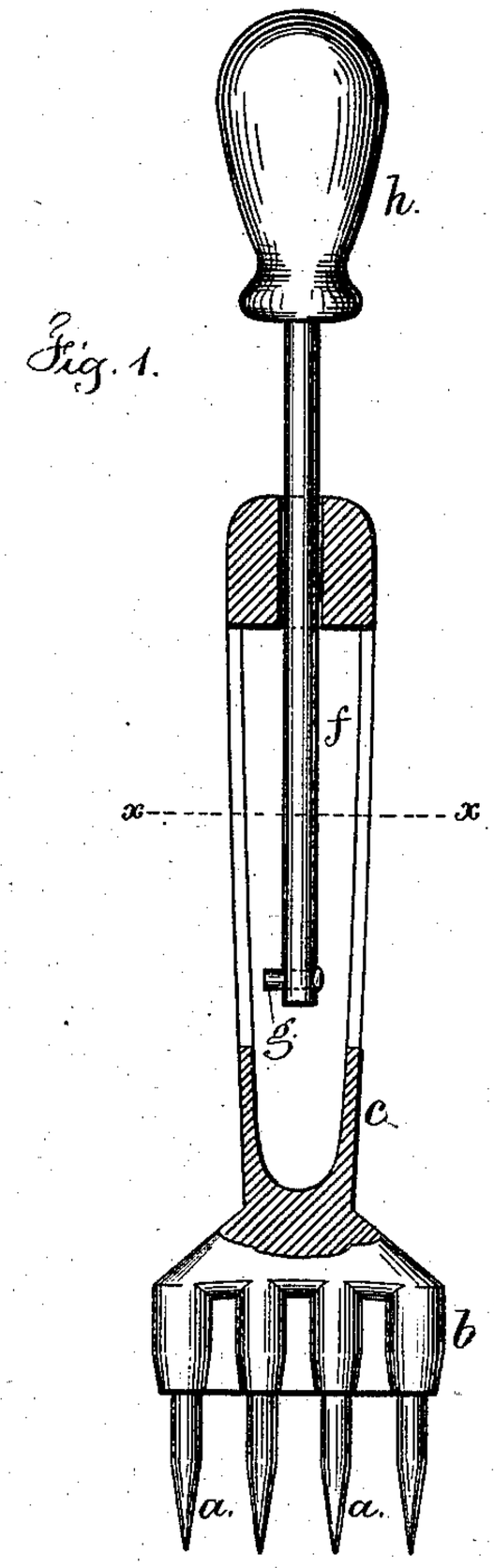

Fig. 1.

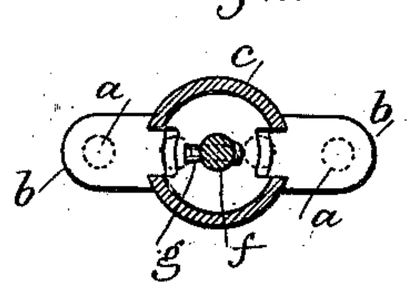

Fig. 2.

Witnesses

Chas. H. Smith

J. Stabb

Inventor

F. M. Stevens.

per Lemuel W. Serrell

atty

UNITED STATES PATENT OFFICE.

FREDERICK M. STEVENS, OF WATERBURY, CONNECTICUT, ASSIGNOR TO WATERBURY NEEDLE COMPANY, OF SAME PLACE.

ICE-PICK.

SPECIFICATION forming part of Letters Patent No. 239,403, dated March 29, 1881.

Application filed February 15, 1881. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK M. STEVENS, of Waterbury, in the county of New Haven and State of Connecticut, have invented an Improvement in Ice-Picks, of which the following is a specification.

Ice-picks have been made with a penetrating-point and a tubular handle, in which slides the rod of a percussive device that is used to drive the point into the ice, as may be seen in Letters Patent No. 54,852. My present invention is an improvement on the same, whereby the ice can be split in any desired direction, and the handle is not liable to become loose, and the expense of manufacture is very much lessened.

In the drawings I have represented, in Fig. 1, the improved ice-pick with the handle in section, and in Fig. 2 a sectional plan at the line *x x*.

I make use of three or four pick-points, *a*, of wire. These are in line with each other and contained in the iron head-piece *b*, that is in one with the hollow cast-iron handle *c*. These pick-points are placed into the mold so that the iron is cast around the shanks, and thereby the picks are retained firmly in place. The hollow handle has longitudinal slots at its sides, that lessen its weight and facilitate the support of the core, around which the hollow handle is cast. At the upper end of the handle is a longitudinal hole for the free passage of the rod *f*, and this rod is retained in place by a stop in the form of a pin or screw, *g*, inserted through it near the end; or a knob may be put upon the rod *f*, and the head *h* is cast upon this rod and serves as a hammer to drive the pick into the ice. It is to be understood that the rod *f* slides freely in the hole at the end of the handle, and that the points of the pick are held against the ice while the hammer-head is drawn back and then driven with force against the end of the handle.

By this improved pick the ice can be split in the direction of the range of points, and there are no parts that can become loose by the concussion incident to use, and this pick is very easily and cheaply manufactured.

I claim as my invention—

The combination, in an ice-pick, of a range of points, a head of metal that holds such points, a hollow metal handle cast with the head, a rod sliding freely through a hole longitudinally of the handle, a cross-pin or stop to prevent the rod being separated from the handle, and a hammer-head to the rod, substantially as set forth.

Signed by me this 11th day of February, A. D. 1881.

FREDERICK M. STEVENS.

Witnesses:
E. B. WOODRUFF,
WALLACE E. PECK.