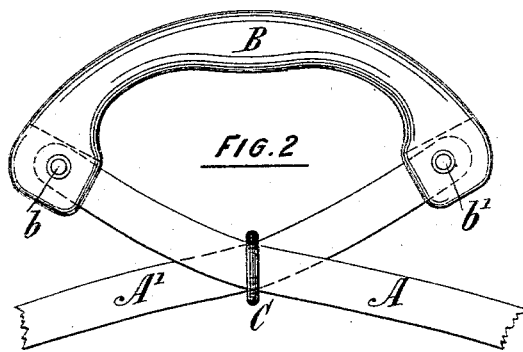
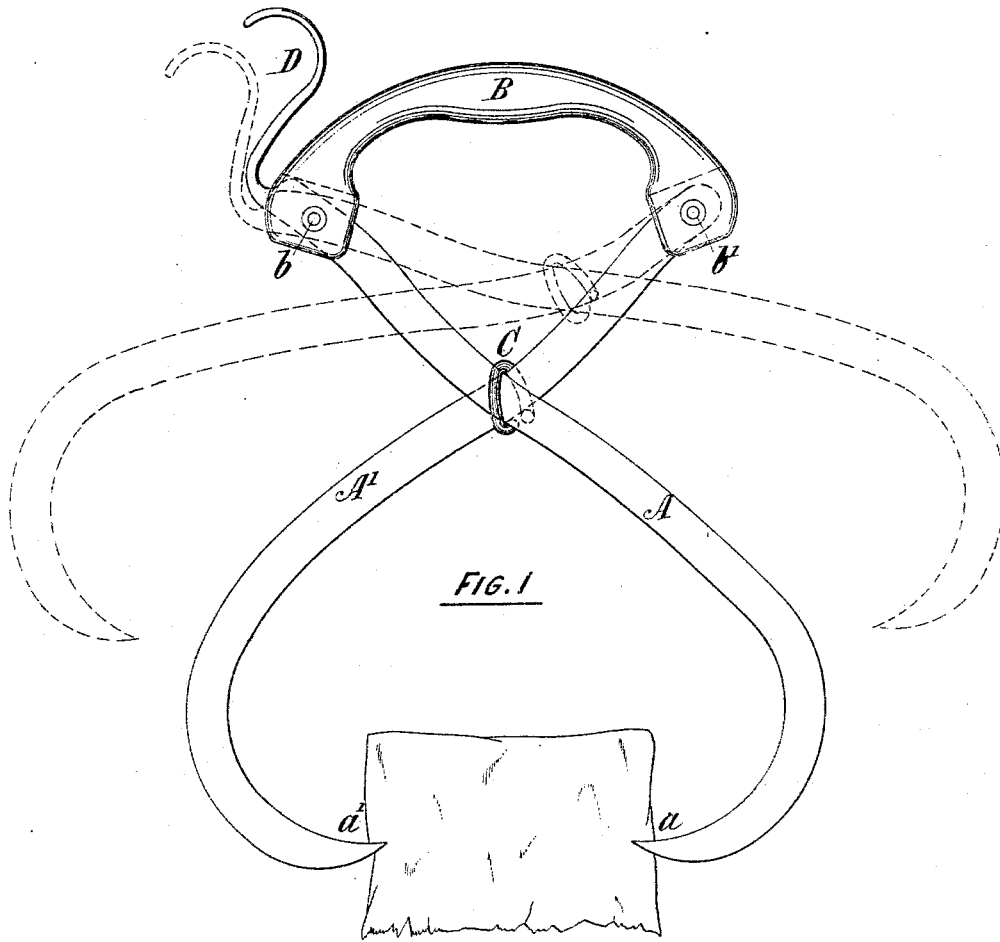


N. R. ALLEN.
Ice-Tong.

No. 210,737.

Patented Dec. 10, 1878.



Witnesses:
Wm. W. Kerr
William J. Kerr

N. R. Allen
Inventor.
Per Atty. *Frank S. Lewis*

UNITED STATES PATENT OFFICE.

NATHANIEL R. ALLEN, OF MONTREAL, QUEBEC, CANADA, ASSIGNOR OF ONE-HALF HIS RIGHT TO CHARLES W. WOODFORD, OF SAME PLACE.

IMPROVEMENT IN ICE-TONGS.

Specification forming part of Letters Patent No. 210,737, dated December 10, 1878; application filed November 9, 1878.

To all whom it may concern:

Be it known that I, NATHANIEL ROBERT ALLEN, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Ice Tongs or Lifters; and I do hereby declare that the following is a full, clear, and exact description of the same.

My invention is intended to afford means for handling blocks of ice, which, while giving a perfect hold on the mass when being carried, will enable it to be dropped where desired with greater ease and certainty than by any of the devices now in use for that purpose, (one hand alone being needed to work it,) and may be thus described:

Two curved arms (having their lower ends sharpened so as to give a hold on the block of ice to be lifted) are pivoted to a bar, which connects their upper ends, and serves as a handle, and are attached together where they cross each other, either by a loose ring or a loop or hook attached to one of them and holding the other, or by a pin projecting from one and passing through a slot formed in the other. The end of either one of the arms may be extended out beyond the pivot-point, so as to form a thumb-piece, by pressing against which the lower ends of the arms will be forced apart and the ice released.

For fuller comprehension, however, of my invention, reference must be had to the annexed drawings, in which—

Figure 1 is a view of the tongs holding the ice, the dotted lines showing the position of the parts when the ice is dropped; and Fig. 2 is a modification of the invention.

Similar letters of reference indicate like parts.

A A' are the curved arms, having their lower ends, as at *a a'*, preferably formed of malleable iron and pointed, B being the bar

or handle, the ends of which are slotted, and have the arms A A' pivoted thereto, as shown, respectively, at *b b'*.

C is the fastening, connecting together the two arms at or near the point where they cross each other. This may be, as in Fig. 1, a loop or hook secured to either one of the arms, and wholly or partially surrounding the other, or, as in Fig. 2, a ring loosely encircling both; or a pin may be secured to either and pass through a slot formed in the other.

This arrangement, as will be seen by the drawings, allows the arms to slide past each other with perfect ease, and at the same time preserves their position relatively to each other.

The arm A, to which the loop or hook is attached, may be, as shown at D, carried out beyond its pivot-point with the bar or handle, and form a projection or thumb-rest. By pressing against this the jaws of the tongs are opened, the points *a a'* being forced apart and the ice released from their hold.

Having thus described my invention, what I claim is as follows:

1. In a pair of ice-tongs, the combination, with the two curved arms, or holders proper, pivoted at their upper ends to a rigid bar or handle connecting them, of a ring or loop attaching them together at or near the point where they cross each other, substantially as herein set forth.

2. The combination, in a pair of ice-tongs, of two curved arms, pivoted to a bar or handle, a ring or other fastening, and thumb-rest or projection carried out from the upper end of one arm, all as herein set forth, and for the purposes described.

N. R. ALLEN.

Witnesses:

FRAS. HY. REYNOLDS,
ROBT. ARTHUR KELLOND.