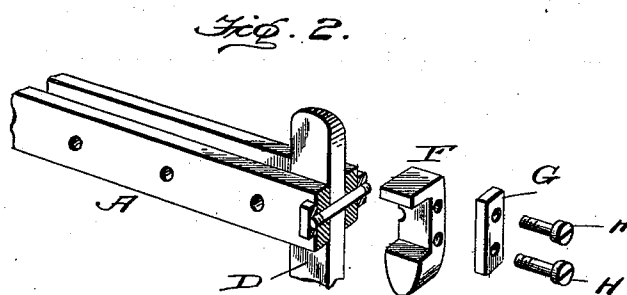
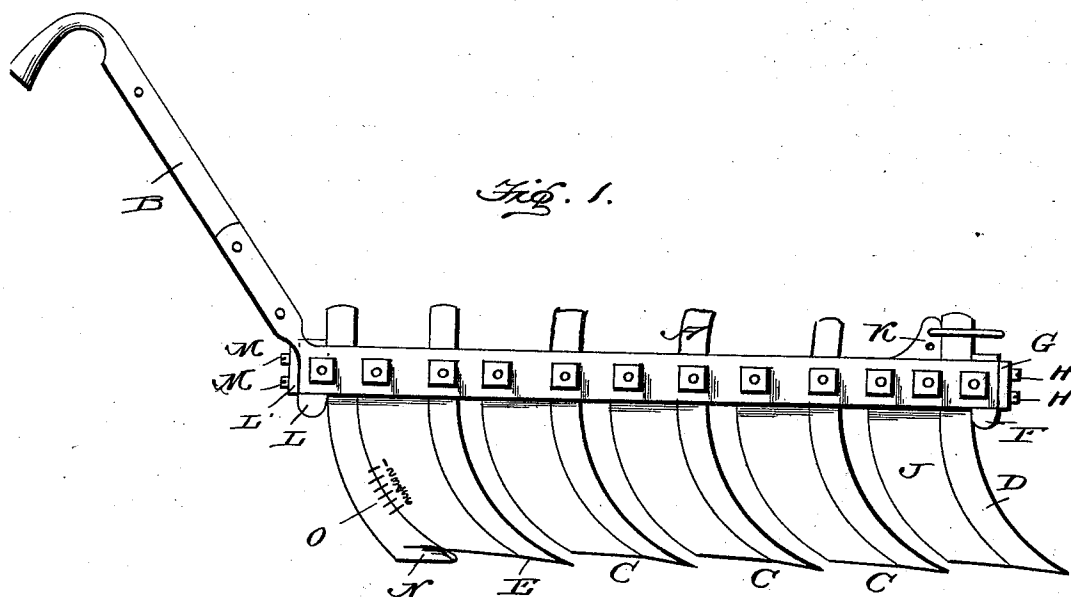


(No Model.)

H. BODENSTEIN.
ICE CUTTER.

No. 505,971.

Patented Oct. 3, 1893.



Witnesses

Wm. Co. Oashier
May E. Moore.

Henry Bodenstein.
Inventor

By *Wm. N. Moore*
Att'y.

UNITED STATES PATENT OFFICE.

HENRY BODENSTEIN, OF STAATSBURG, NEW YORK.

ICE-CUTTER.

SPECIFICATION forming part of Letters Patent No. 505,971, dated October 3, 1893.

Application filed April 3, 1893. Serial No. 468,881. (No model.)

To all whom it may concern:

Be it known that I, HENRY BODENSTEIN, a citizen of the United States, residing at Staatsburg, in the county of Dutchess and State of New York, have invented certain new and useful Improvements in Ice-Cutters; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in ice cutters, and the object of my invention is the provision of a cutter in which the depth of the cut can be made without adjusting the entire set of teeth as is the case now and thus save considerable valuable time and labor.

Another object of my invention is the provision of an ice cutter in which the depth of the cut can be quickly adjusted and which will be simple, durable and inexpensive in construction and thoroughly efficient and practical for the desired purpose.

To attain the desired objects the invention consists of an ice cutter having a front and rear clearing tooth adjustable with reference to the other teeth to regulate the depth of the cut to be made and also in certain details of construction and combination of parts substantially as herein shown and described.

In order that the construction, operation and advantages of my improvements may be readily understood I have illustrated in detail in the accompanying drawings an ice cutter embodying my improvements.

Figure 1 represents a side elevation of my improved ice cutter. Fig. 2 represents an enlarged perspective view of the front tooth and adjacent parts.

Referring by letter to the drawings—A designates the frame of my improved ice cutter which consists of two flat bars.

B designates the handles secured to the frame.

C designates the teeth secured between the frame-bars.

D designates the front clearing tooth and E designates the rear clearing tooth.

The front clearing tooth is vertically adjustable in the frame bars and is retained in the proper adjusted position by means of the clamp F bearing against the front edge of the tooth and retained itself by the plate G

and set screws H, and at the rear by the stop plate J having the extension K to which the clevis is attached, as shown. From this construction it will be seen that the front tooth can be moved or adjusted vertically and secured at the proper adjustment by means of the clamping devices.

The rear tooth is adjustable vertically and is retained at the proper adjustment by means of the clamp bar or wedge L against which bears the plate L', held by the set screws M, or the rear of the tooth may be provided with serrations if desired and the wedge be forced into the serrations and hold the tooth in this manner. The tooth is formed with the wide foot N and is provided with a scale O by means of which the foot may be adjusted to any desired degree and make a cut of any depth. It will thus be seen that I provide a front and rear clearing tooth which can be quickly and easily adjusted to gage the depth of cut and thus avoid the necessity of adjusting all the teeth and in which the operation is perfect and in view of the fact that the invention is simple, durable and inexpensive the improvements are practicable.

I claim as my invention—

1. In an ice cutter, the combination of the frame, the handle and the teeth, the front and rear clearing teeth curved and narrow and adjustable in the frame, the blocks bearing against the outer faces of the clearing teeth, and the clamping bolts engaging the blocks for holding the teeth at the proper adjustment.

2. In an ice cutter, the combination of the frame bars, the teeth secured between the bars, the front and rear clearing teeth, the blocks bearing against their outer faces, the binding or clamping bolts engaging the blocks, and the blade contiguous to the front tooth having the extension to receive the clevis.

3. In an ice cutter, the combination with the frame bars, of the teeth secured between the bars, the front narrow clearing tooth and the rear clearing tooth having a broad foot, and means for securing the teeth at the proper place in the frame.

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

HENRY BODENSTEIN.

Witnesses:

HARRY C. HAINS,
JOHN E. MACK.