

C. & G. Beatty,

Ice Shaver,

No 80,119,

Patented July 21, 1868.

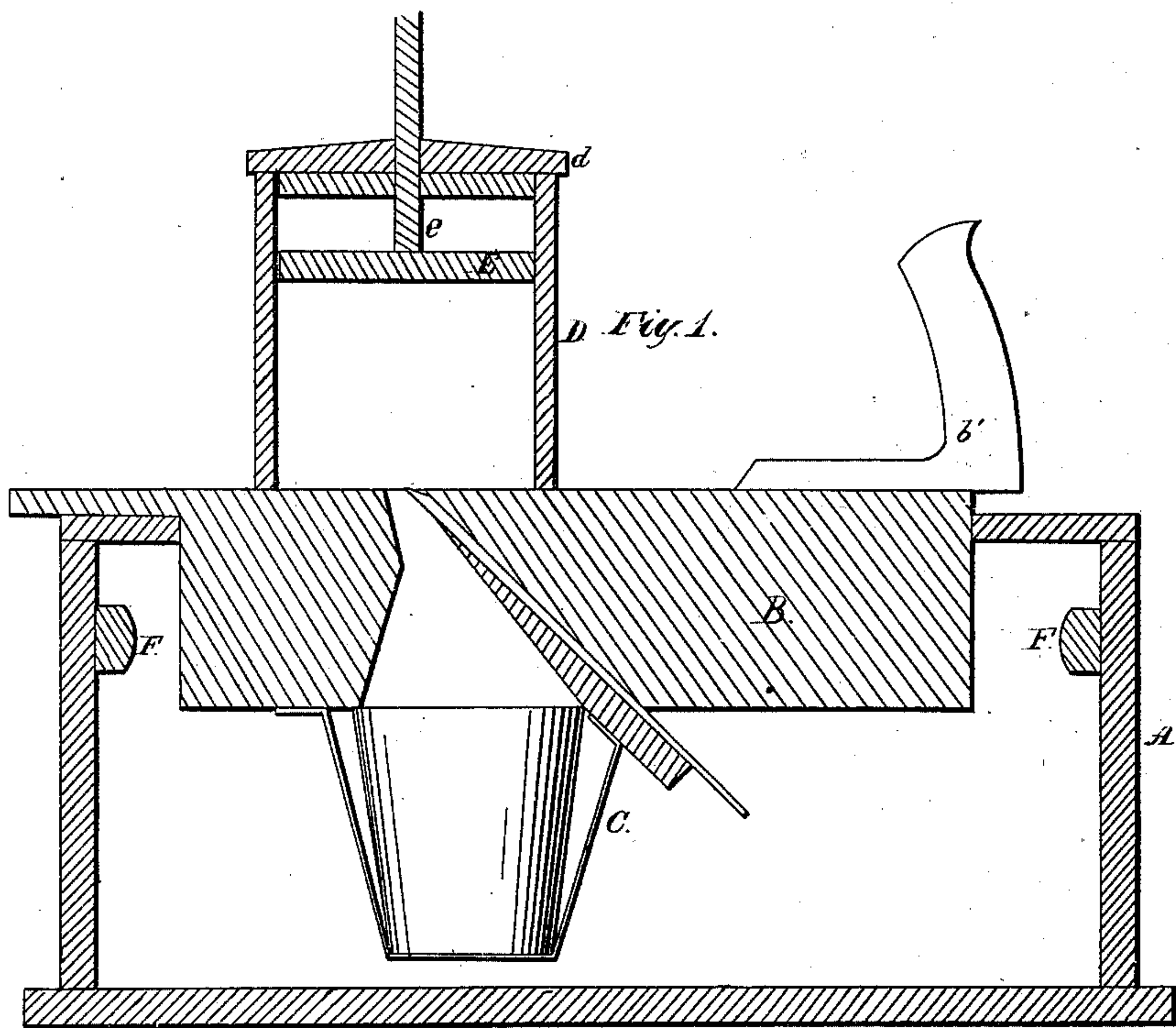
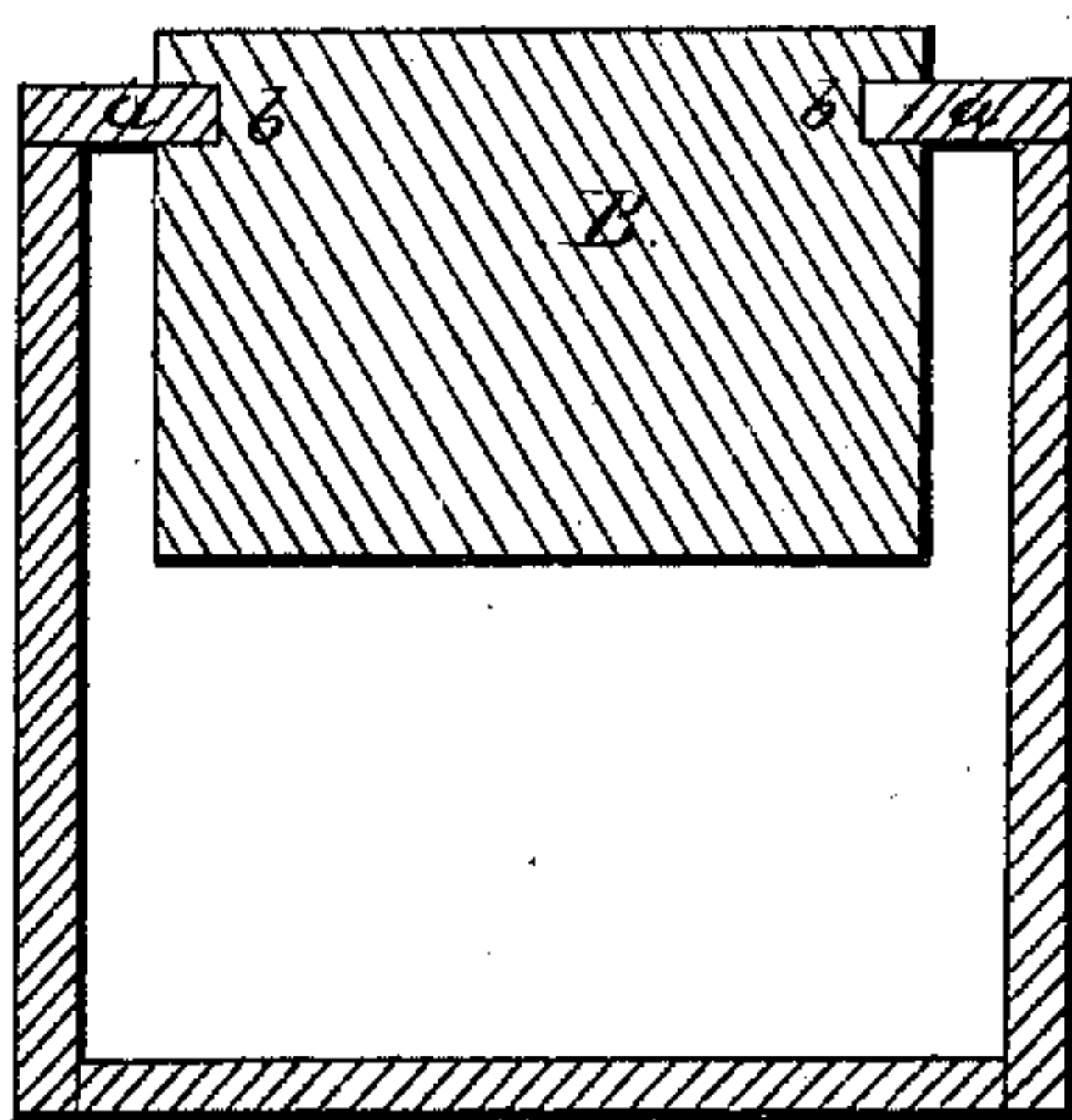


Fig. 2.



Attest:  
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Inventor  
C. & G. Beatty by  
J. W. Beadle Atty

# United States Patent Office.

C. BEATTY AND G. BEATTY, OF PORTSMOUTH, VIRGINIA.

*Letters Patent No. 80,119, dated July 21, 1868.*

## IMPROVED APPARATUS FOR CUTTING ICE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that we, C. BEATTY and G. BEATTY, of Portsmouth, in the county of Norfolk, and State of Virginia, have invented a new and useful Improved Apparatus for Cutting Ice, &c.; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention relates to an improved apparatus for cutting ice for soda-fountains, &c., and consists principally in the combination of a plane with certain devices whereby a simple and effective cutter is produced, as will be fully described hereinafter.

Figure 1 represents a longitudinal sectional elevation.

Figure 2, a transverse section of our improved apparatus.

In the drawings,

A represents a box or case, constructed of marble, wood, or other suitable material, a section of which is shown in fig. 1, and one side of which is cut away to admit the tumbler.

B represents a plane of ordinary construction, provided with grooves, *b*, upon its sides, which has a forward and backward motion upon the slides *a a*. The plane, when in position, is inverted, and is provided with the handle *b'*, as shown.

C represents a piece of sheet metal, bent nearly in U-shape, which is attached to the under side of the plane, beneath its opening. This metal has sufficient elasticity to permit a tumbler to be sprung easily into place between its sides, where it is securely held.

D represents a hopper, located upon the case A, which is provided with the cover *d*. This latter should be so arranged as to tightly shut in the ice, and prevent it from wasting.

E represents a block, fitting snugly within the hopper D, which is provided with a rod, *e*, projecting upward through a hole in the cover.

F F represent rubber balls placed at each end of the case A, as shown.

It will be observed that the plane is provided with a projecting board at its forward end, which rests under the hopper when the plane is drawn back. This construction is not necessary with a long plane and case.

The operation of our invention is as follows:

The hopper having been filled with ice, either with a square piece or with lumps, and the tumbler having been inserted in place, the plane is operated with the right hand, while the left hand presses down upon the rod *e*. By this operation the ice is cut by the forward movement of the plane, and, falling through the opening, fills the glass, which is held by the spring beneath. The pressure upon the rod *e* keeps the ice in contact with the plane.

The rubber balls F F, at each end, break the force of the movement, and cause a slight rebound.

By the construction and arrangement herein described, a simple but extremely desirable apparatus is produced, which possesses advantages, it is believed, over anything in use.

It is not necessary to touch the ice with the hands after the hopper is filled. The ice cannot be wasted, and is easily cut when needed.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The case A, plane B, spring C, hopper D with cover *d*, block E with rod *e*, the whole being combined and arranged substantially as described.

This specification signed and witnessed this 3d day of June, 1868.

C. BEATTY,  
G. BEATTY.

Witnesses:

S. COHN,

V. W. NASH.