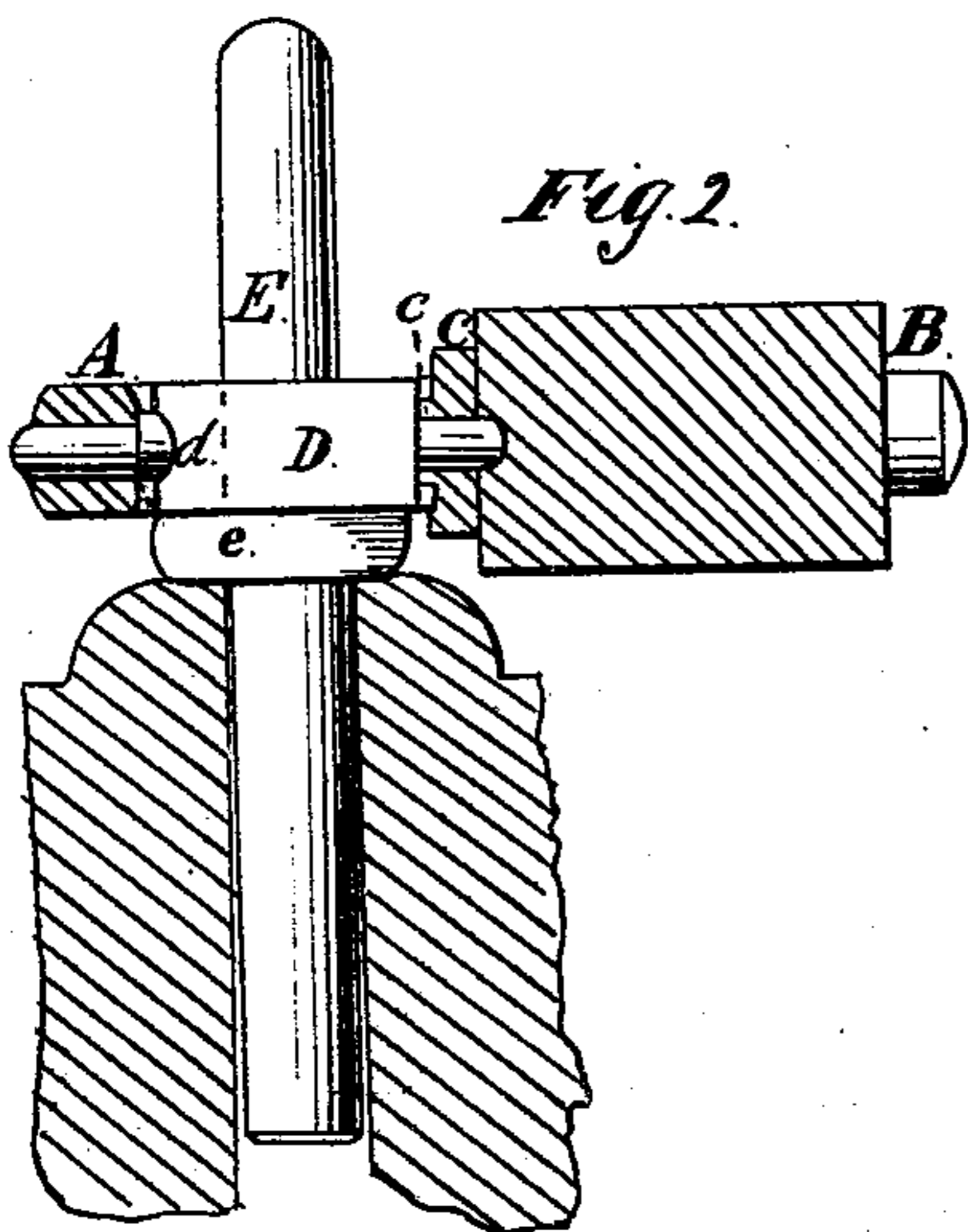
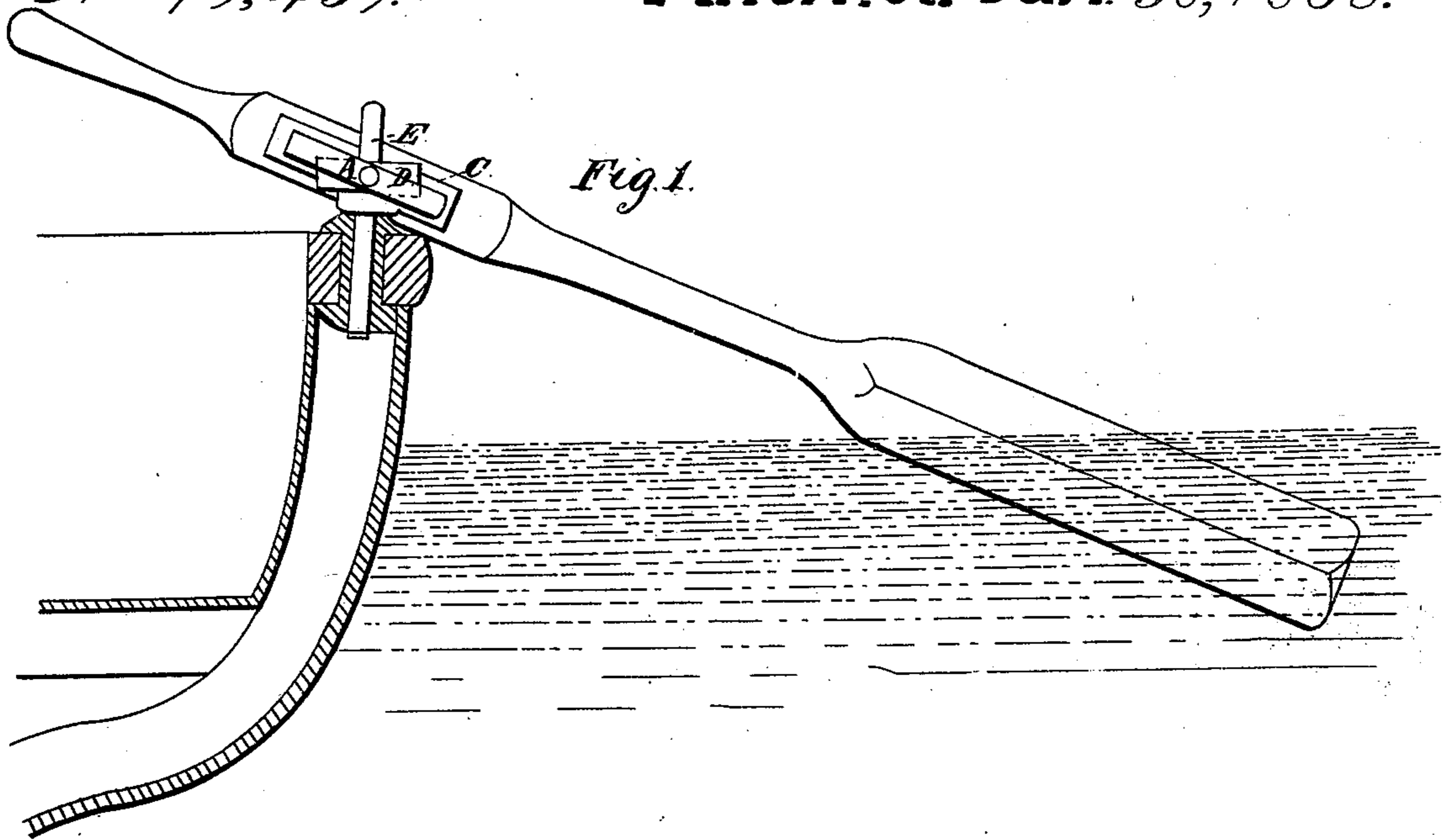


C. L. Dayton.

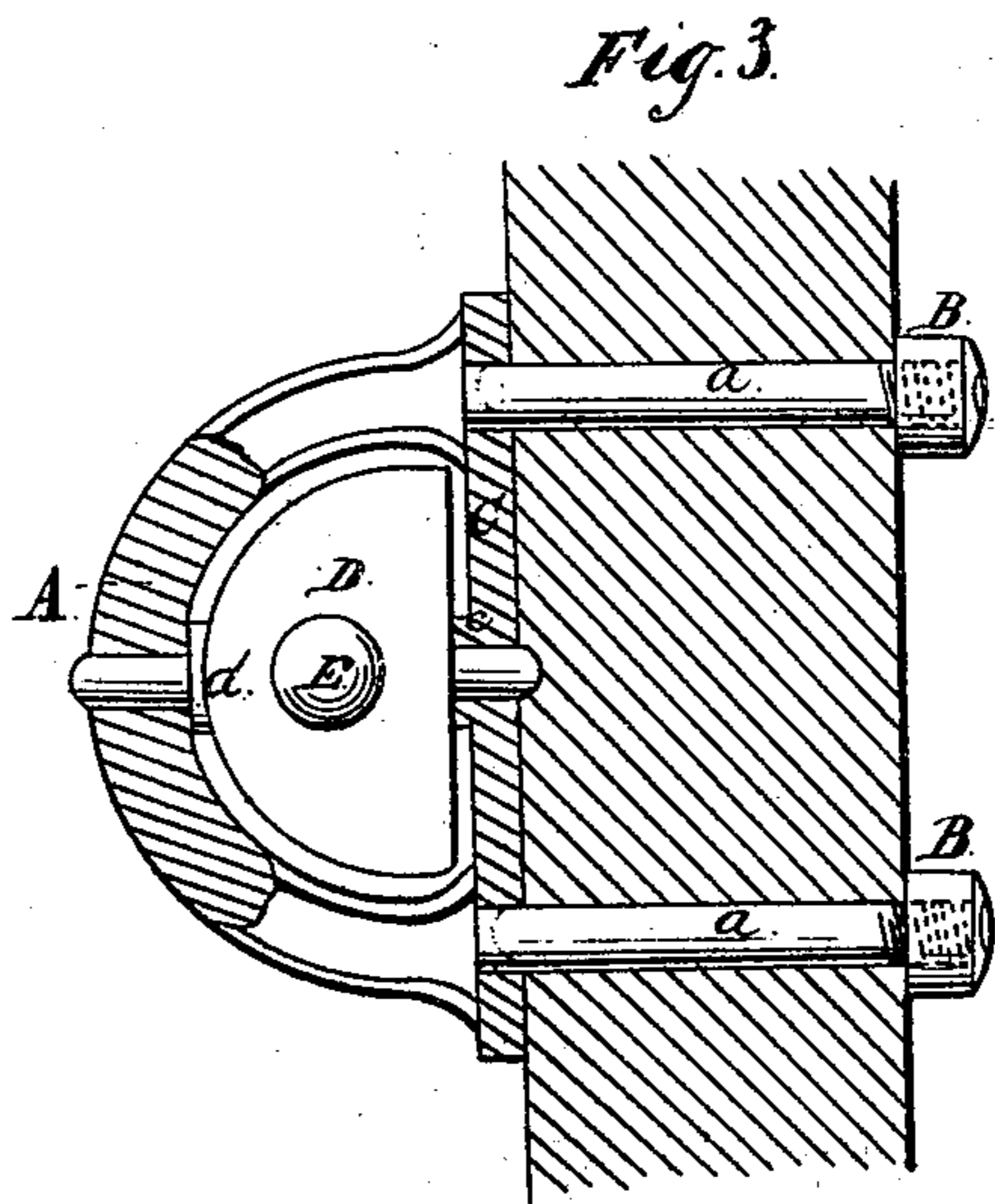
Car Lock.

N^o 79,459.

Patented Jun. 30, 1868.



Witnesses
J. H. Beeton
W. B. Dering



Inventor
Chas. L. Dayton
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United States Patent Office.

CHARLES L. DAYTON, OF NORTH BUFFALO, NEW YORK.

Letters Patent No. 79,459, dated June 30, 1868.

IMPROVEMENT IN ROW-LOCKS.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, CHARLES L. DAYTON, of North Buffalo, in the county of Erie, and State of New York, have invented a new and useful Improvement in Row-Locks; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing, which is made a part of this specification.

My invention relates to a novel and simple device for attaching the oars to the boat in such a manner as to allow of their free movement in the usual direction for rowing, and also their detachment, when desired, and to prevent their endwise displacement, and the noise and "cramping" incident to the common forms of row-locks. Each oar is provided at the proper point with a pivoted block or "eye," mounted in a suitable yoke. This eye is inserted over a pin in the gunwale of the boat, and supported on a shoulder on said pin at any desired height. The oar turns on the pivots of the "eye" in dipping and rising, and around the pin in making the strokes.

In the drawings—

Figure 1 is a sectional view of a boat, having an oar provided with my improved "lock" applied, showing the oar and its accessories in elevation.

Figure 2 is an enlarged transverse section, and

Figure 3 a partially-sectionized plan view on the same scale as fig. 2.

A may represent the yoke or staple, which is here shown as attached to the side of the oar, by the passage through it of the contracted stems or bolts *a a* of said yoke, which are there screw-threaded, and receive nuts B.

C is a bed-plate, secured in place by the attachment of the yoke, and D the eye or block, which is pivoted between said yoke A and plate C. The bed-plate C and eye D have formed on them, respectively, bosses *c* and *d*, which serve to keep said eye in the centre of the space between said plate and the yoke.

E is the pin, inserted in the gunwale of the boat, for the reception of the eye D, and *e* a flange or shoulder on said pin, on which said eye rests.

All the parts of the "lock" may be of iron, brass, or other suitable metal or material, and be attached to the oar and boat in any suitable manner.

The component parts may also be formed in different ways; for instance, the yoke proper, A, may be riveted or secured by screws to the plate C, and said plate attached by screws, or other suitable means, to the oar; or, the yoke and the bed-plate be cast in one piece, and the pivot of the eye be inserted through them respectively, instead of being formed on the eye, as shown. The shank of the pin E might be angular, to prevent its turning, and be secured in the gunwale, by a nut on its lower end, or a key through it. Its upper end might also be provided with a screw-nut, to prevent the accidental unshipment of the oar. It is obvious, however, that these or other similar variations would not essentially alter the device.

Having thus described my invention, I claim as new therein, and desire to secure by Letters Patent—

The combination of the yoke A, bed-plate C, pivoted eye D, and pin E, all employed and operating in the manner described, for the purpose specified.

To the above specification of my improvement in row-locks, I have signed my hand, this 17th day of April, A. D. 1868.

C. L. DAYTON.

Witnesses:

S. H. BLOSSOM,

E. R. CHASE.