

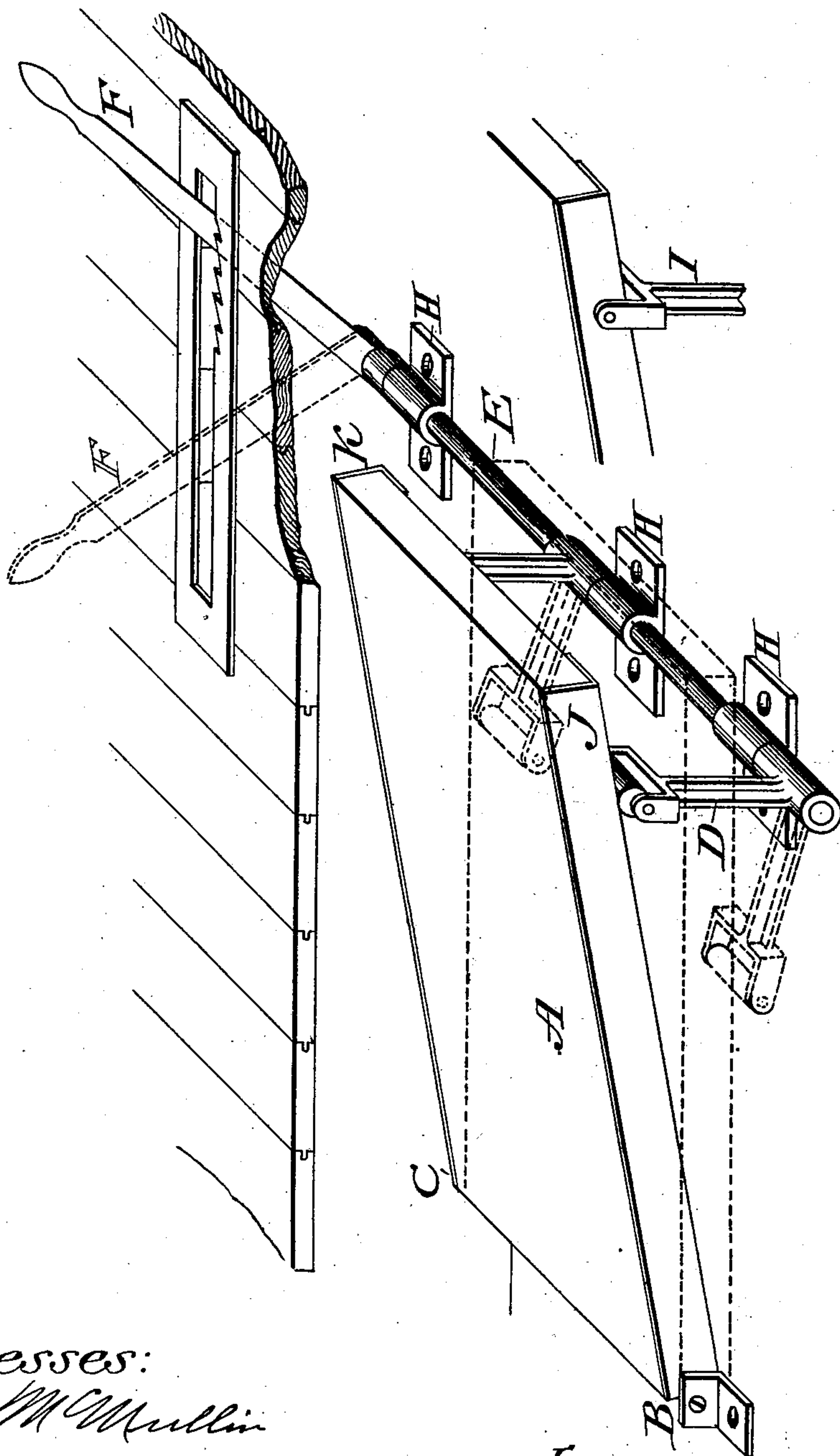
No. 701,746.

Patented June 3, 1902.

P. M. MALONEY.
BOAT STOPPING AND HOLDING DEVICE.

(Application filed May 28, 1901.)

(No Model.)



Witnesses:
N. G. McMullin
Oliver Moulton

Inventor:
Philip Mercer Maloney

UNITED STATES PATENT OFFICE.

PHILIP M. MALONEY, OF PHILADELPHIA, PENNSYLVANIA.

BOAT STOPPING AND HOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 701,746, dated June 3, 1902.

Application filed May 28, 1901. Serial No. 62,247. (No model.)

To all whom it may concern:

Be it known that I, PHILIP M. MALONEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a new and useful Boat Stopping and Holding Device, of which the following is a specification.

My invention relates to a platform-frame or set of rollers wholly or partly submerged by water, hinged at one end and free to be raised at the other, thus forming an incline on which approaching boats slide by their momentum and are thus held fast until released by the lowering of the movable end of platform or frame. I attain these objects by the mechanism illustrated in the accompanying drawing, which is a detailed view in perspective.

The platform A is hinged at B and C and raised at the other end to desired height to suit depth of water, momentum, &c., by arms D or cams fixed to shaft E and operated by lever F or otherwise. If the method of operating is by lever F, the desired adjusting is obtained by the teeth in plate G. H H H are bearings for shaft E. Arms D here illustrated have rollers to reduce friction. When lever F is released from guide G and thrown to position shown by dotted lines, platform A drops to level of hinge end and allows boat to pass over. Platform A may also be raised by levers I, hinged to frame or platform A at each B C and J K.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. An inclined frame for stopping and holding boats pivoted at its lower end beneath the water-level and provided with means for raising and lowering the upper end. 35

2. An inclined frame for stopping and holding boats pivoted at its lower end beneath the water-level and provided with pivoted arms for raising and lowering the upper end. 40

3. An inclined frame for stopping and holding boats pivoted at its lower end beneath the water-level and provided with arms for raising and lowering the upper end, said arms being revolubly mounted on a bar and carrying rollers bearing against the under side of said frame. 45 50

4. An inclined frame for stopping and holding boats pivoted at its lower end beneath the water-level and provided with operating-arms revolubly mounted on a bar said bar being provided with an operating-lever and holding-rack. 55

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PHILIP M. MALONEY.

Witnesses:

ALBION MOULTON,
H. G. McMULLIN.