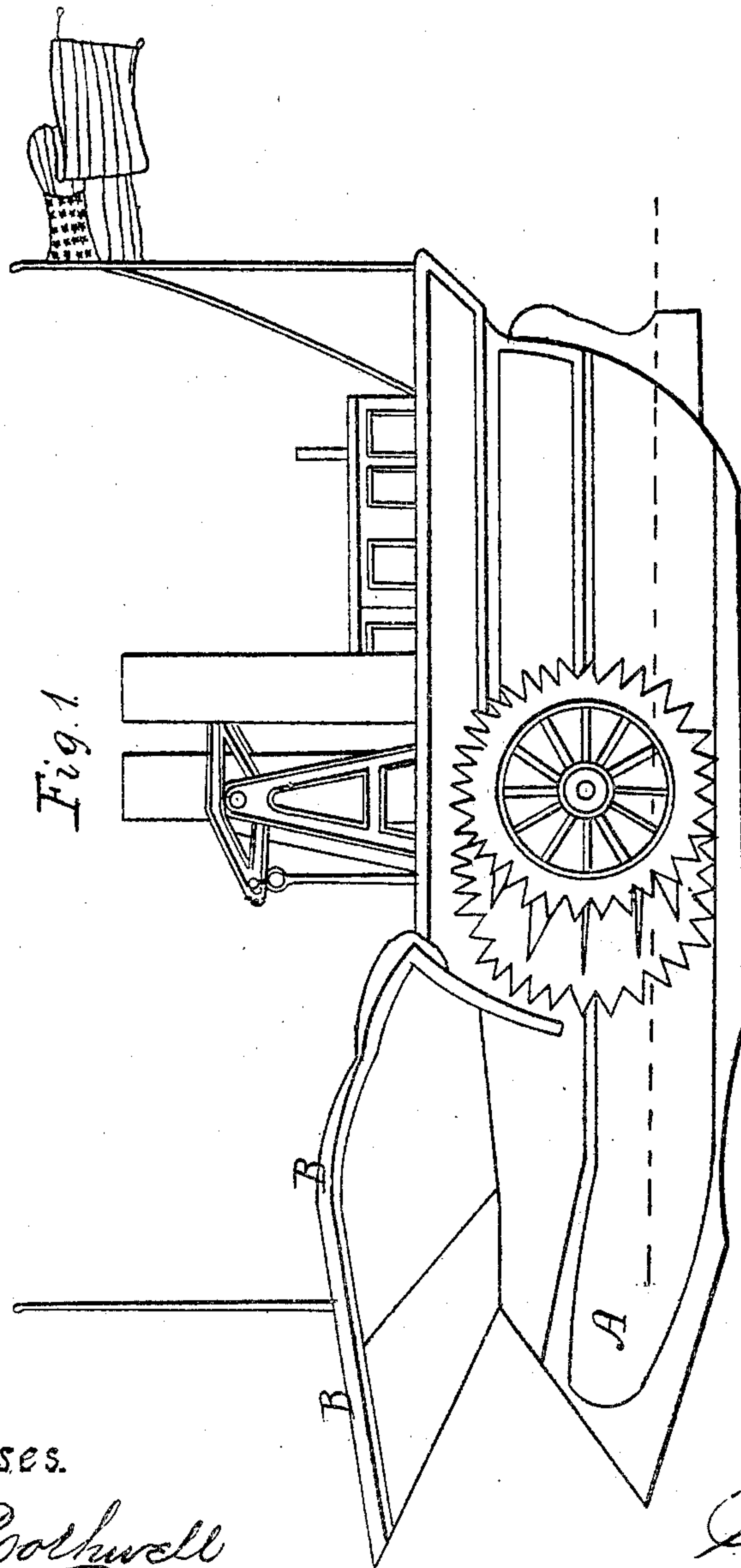


# *J. B. Stoddard, Ice Boat.*

*N<sup>o</sup> 63,577*

*Patented Apr. 2. 1867.*



*Witnesses.*

*Geo. W. Rockwell*

*J. C. Kenyon*

*Inventor*

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J. B. Stoddard  
By O. Knight  
Subt.*

# United States Patent Office.

J. B. STODDARD, OF BALTIMORE, MARYLAND.

*Letters Patent No. 63,577, dated April 2, 1867.*

## IMPROVED ICE-BOAT.

*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, JOHN B. STODDARD, of Baltimore, Baltimore county, State of Maryland, have invented a new and useful Improved Ice-Breaking Steamboat; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which the same letters indicate similar parts.

This boat has a prow calculated to break and lift the ice in its path. The overhanging bows throw back the ice which raises on the beak, and the serrated edges of the wheels cut the cakes with which they come in contact so as to clear a passage the width of the vessel.

In the drawings the vessel is represented with a beak or projecting prow, A, whose point travelling beneath the ice breaks and raises the ice in cakes which are pushed laterally out of the track by the bows B of the vessel. The paddle-wheel floats are attached at their ends to wheels whose peripheries are serrated so as to saw their way through the floating cakes or to saw off projecting corners from the ice field through which the vessel is ploughing. The projection of the bow over the prow allows the vessel to ride at anchor without the interference of the cable with the prow. The means of propulsion is the steam engine, which is arranged in any way suited to the duty. The screw propeller may be used instead of the paddle-wheels, though I prefer the latter to remove projecting points of ice which might collide with and injure the ship's sides.

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

The arrangement of the projecting prow A, and overhanging bow B, in combination with the paddle-wheels with serrated peripheries, substantially as and for the purpose set forth.

J. B. STODDARD.

Witnesses:

GLEN RUST,  
JOHN W. CROWLEY.