

J. Jochum's Propelling Boats or 118244 *Fig. 1.* *Vessels.*

PATENTED AUG 22 1871

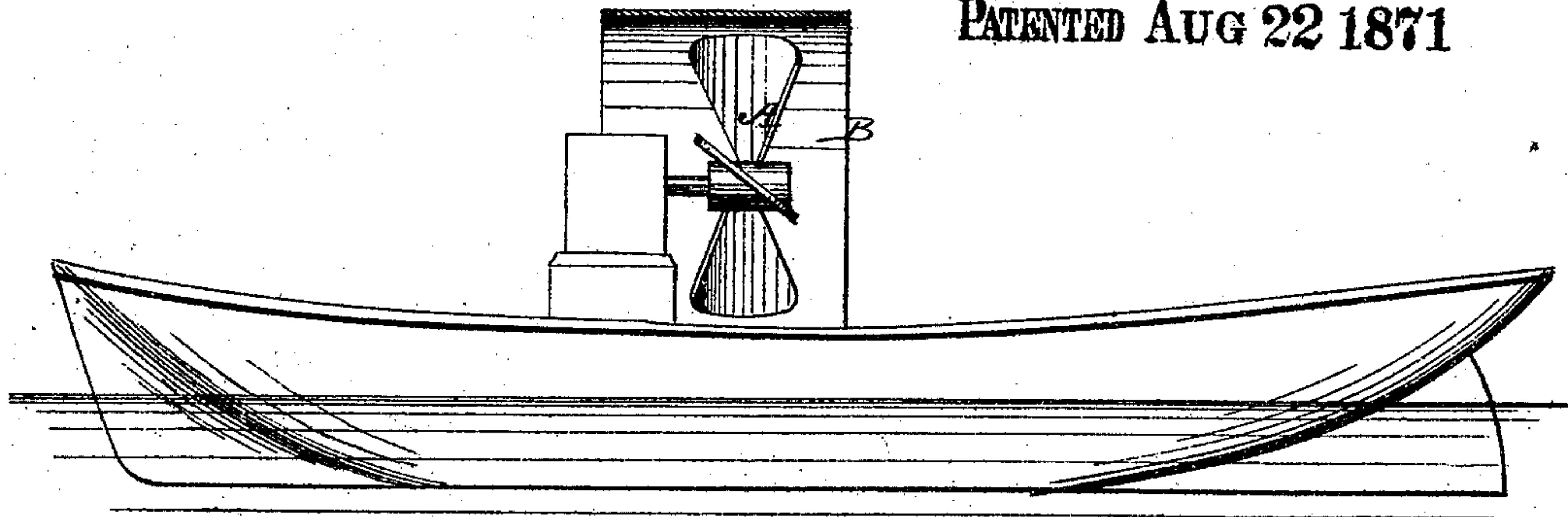
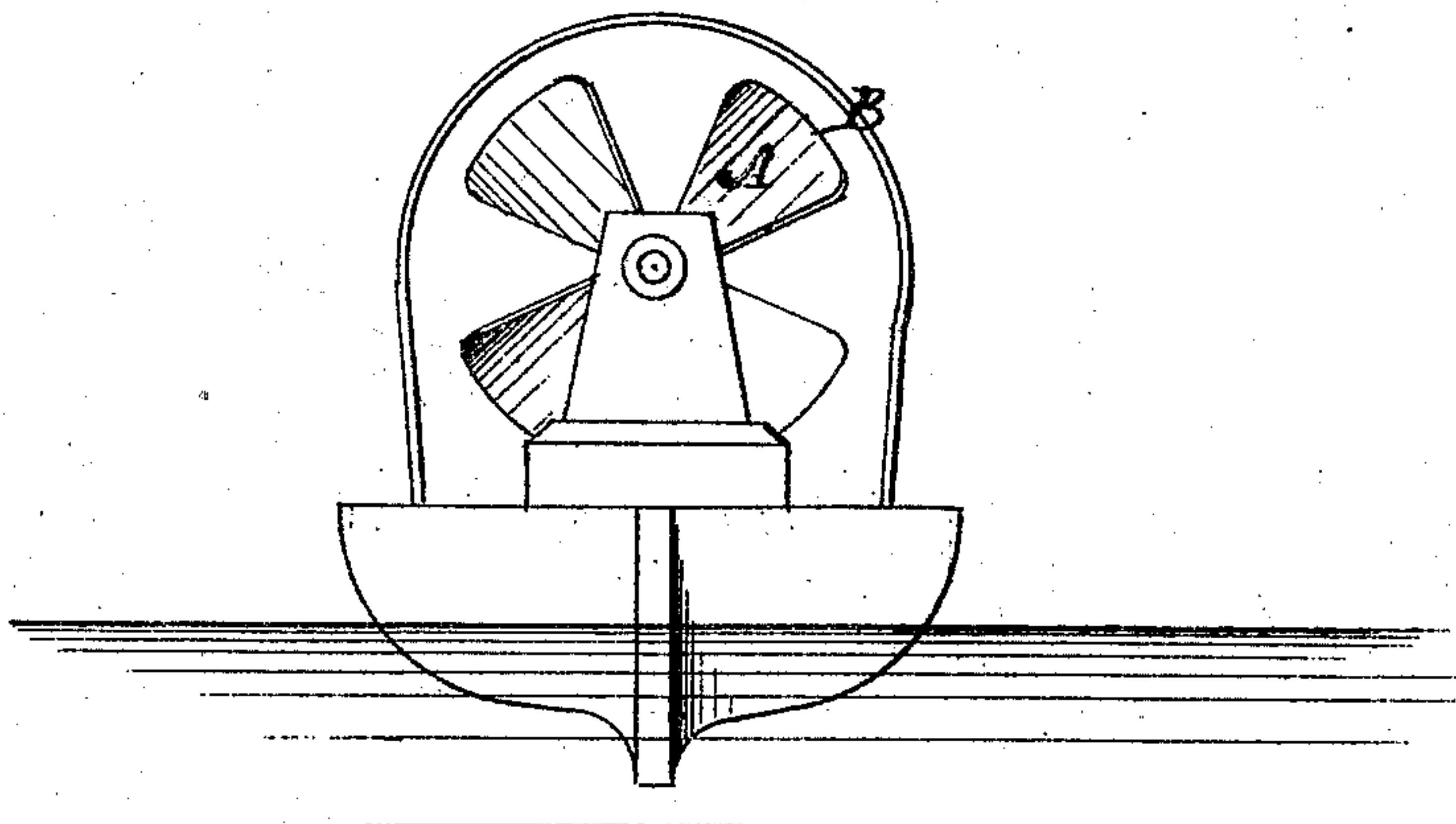


Fig. 2.



Witnesses:

Chas. Nida.
Wm. B. Smith.

Inventor:

J. Jochum.

PER

Munn & Co.

Attorneys.

UNITED STATES PATENT OFFICE.

JOHN JOCHUM, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN PROPELLING CANAL AND OTHER VESSELS.

Specification forming part of Letters Patent No. 118,244, dated August 22, 1871.

To all whom it may concern:

Be it known that I, JOHN JOCHUM, of Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Propelling Boats or Vessels; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

My invention consists in an improvement upon that class of propellers which acts against air instead of water, as hereinafter fully described and subsequently pointed out in the claim.

Figure 1 is a side elevation of a boat in which the propeller is arranged to act upon the air according to the proposed improvement, and Fig. 2 is an end elevation.

Similar letters of reference indicate corresponding parts.

In this case an ordinary screw-propeller wheel, A, is arranged in an elevated position on the deck, to be turned by the motive power in the

same manner as when acting upon the water, but, of course, to be run very much faster for obtaining the required impelling force. It is contemplated to employ any suitable arrangement of wind-wheels instead of screws, as may be found best for the purpose. By preference a hood or case, B, will be placed over the wheel to prevent lateral displacement of the air, also to protect it and the attendant from injury. The particular location of the wheel or arrangement of it or the driving mechanism is not material.

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

The arrangement of propeller A within a fixed hood, B, and on the deck, as and for the purpose specified.

The above specification of my invention signed by me this 29th day of May, 1871.

JOHN JOCHUM.

Witnesses:

RICHARD C. BUCKLEY,
GEORGE W. MABEE.