



PLATE I.—A WHALE "BREACHING."

173  
A 802-2  
1087-5

# THE EVOLUTION OF THE SUBMARINE BOAT MINE AND TORPEDO

FROM THE SIXTEENTH CENTURY TO THE  
PRESENT TIME

BY  
COMMANDER MURRAY F. SUETER  
ROYAL NAVY



WITH OVER 200 GRAPHIC ILLUSTRATIONS



PORTSMOUTH:  
J. GRIFFIN AND CO., 2, THE HARD  
(BOOKSELLERS TO HER LATE MAJESTY QUEEN VICTORIA)

*London Agents:* SIMPKIN, MARSHALL & CO.

1907

A

C 170

# THE EVOLUTION<sup>A</sup> OF THE SUBMARINE BOAT MINE AND TORPEDO

FROM THE SIXTEENTH CENTURY TO THE  
PRESENT TIME

BY

COMMANDER MURRAY F. SUETER  
ROYAL NAVY



WITH OVER 200 GRAPHIC ILLUSTRATIONS



PORTSMOUTH:  
J. GRIFFIN AND CO., 2, THE HARD  
(BOOKSELLERS TO HER LATE MAJESTY QUEEN VICTORIA)

London Agents: SIMPKIN, MARSHALL & CO.

1907

Ä

LONDON :  
PRINTED BY WILLIAM CLOWES AND SONS, LIMITED,  
DUKE STREET, STAMFORD STREET, S.E., AND GREAT WINDMILL STREET, W

This Book is Humbly Dedicated  
TO  
LIEUT. LOFTUS MANSEERGH,  
ROYAL NAVY,  
SUB-LIEUT. JOHN CHURCHILL,  
ROYAL NAVY,  
AND  
CREW OF "A1" SUBMARINE  
(Who gallantly died on duty March 18, 1904)  
BY  
THE FIRST CAPTAIN OF "A1" SUBMARINE

---

Toll for the Brave!  
The Brave that are no more!  
All sunk beneath the wave,  
Fast by their native shore!

Toll for the Brave!  
Brave Kempenfelt is gone;  
His last sea fight is fought;  
His work of glory done.

Weigh the vessel up,  
Once dreaded by our foes!  
And mingle with our cup  
The tear that England owes.

COWPER.