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# POWER JETS

(RESEARCH AND DEVELOPMENT)  
LIMITED

8 HAMILTON PLACE,  
LONDON, W.1

Telephone: GROSVENOR  
1051

A/Cdre. F. R. Banks.

PLEASE QUOTE IN  
YOUR REPLY:

August 18th, 1947.

## "OPERATION SALT"

William Cory & Sons Ltd., asked my company Power Jets a short while ago, whether the idea of using a propulsion jet as a blast to blow mud was practicable. This is a matter of considerable general interest, because millions of tons of soft mud settles below wharves and in basins and can seriously impede shipping. Some preliminary trials on a pond seemed to show a possibility of success, so the National Gas Turbine Establishment has sent this W2/700 aero engine and its crew to make more realistic trials. This engine, mounted on a barge, will blow about 40lbs of air a second at the mud at very high velocity. We hope that the mud will be blasted away at a high rate, to be carried off by the river. If this experiment shows promise, we may be able to develop a technique for mud-clearing which will be of lasting benefit.

Meanwhile we expect a great deal of disturbance and that there will be a filthy mud-storm which will make the work of the camera-man very difficult.

3,000,000 tons of mud has  
to be moved  
3000 H.P.