



NEW ZEALAND AGRICULTURAL ENGINEERING INSTITUTE

LINCOLN COLLEGE

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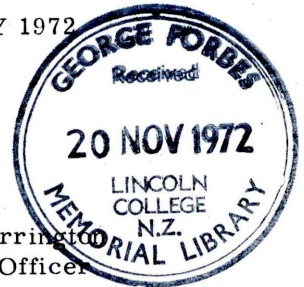
NEW ZEALAND

PUBLIC TEST REPORT NO. T/51

JANUARY 1972

HYDRAULIC PERFORMANCE OF TROUGH VALVES

G. J. Harrington
Testing Officer



SUMMARY:

This Test Report replaces Test Report No. T/15 for an earlier model of the "Jobe" valve. Modifications have affected the hydraulic performance of this valve.

A full description of the test procedures and equipment is contained in Project Report P/2 (2nd Edition) of the New Zealand Agricultural Engineering Institute issued in 1971. Also contained in P/2 are the individual performance graphs of a number of commercially available trough valves in New Zealand.

As new or modified valves become available it is intended to publish Test Reports of this nature.

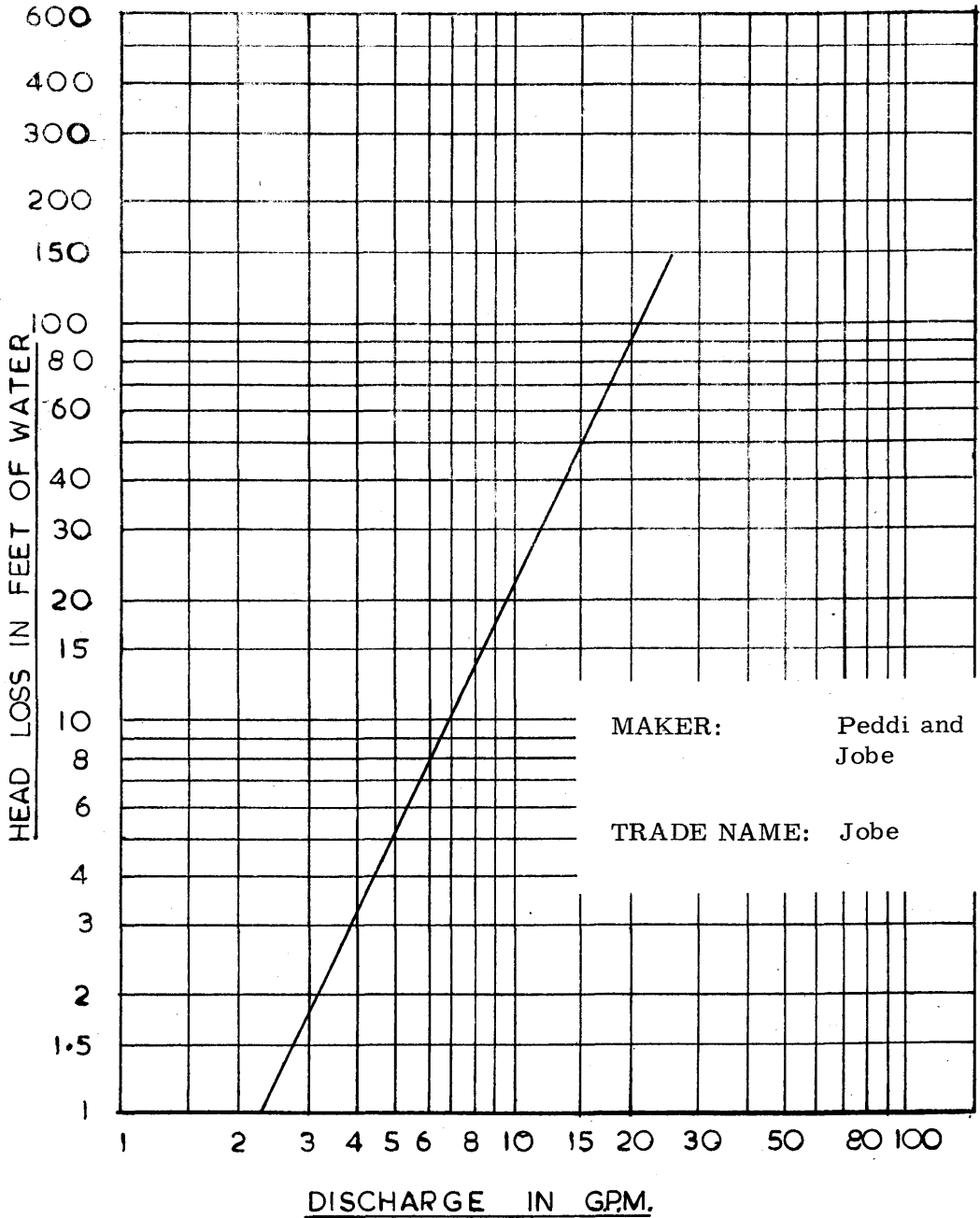
DESCRIPTION: $\frac{3}{4}$ " Standard Trough Valve (Diaphragm Operated)
Trade Name "Jobe"

MANUFACTURER: Peddi and Jobe, Matamata.

SEALING ABILITY:

Factory set; 160 feet of water.

Failure consisted of leakage of water between the diaphragm and cap. Further tightening of the screws on the base plate enabled sealing at 400 feet of water.



HYDRAULIC PERFORMANCE CURVE