

CONTINENTAL AIRCRAFT ENGINE CO

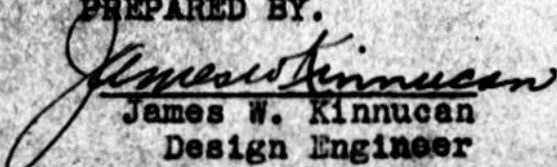
DETROIT MICHIGAN

DESIGN REPORT No. 53
Date March 6, 1934

CURVES C1 TO C5 INC.

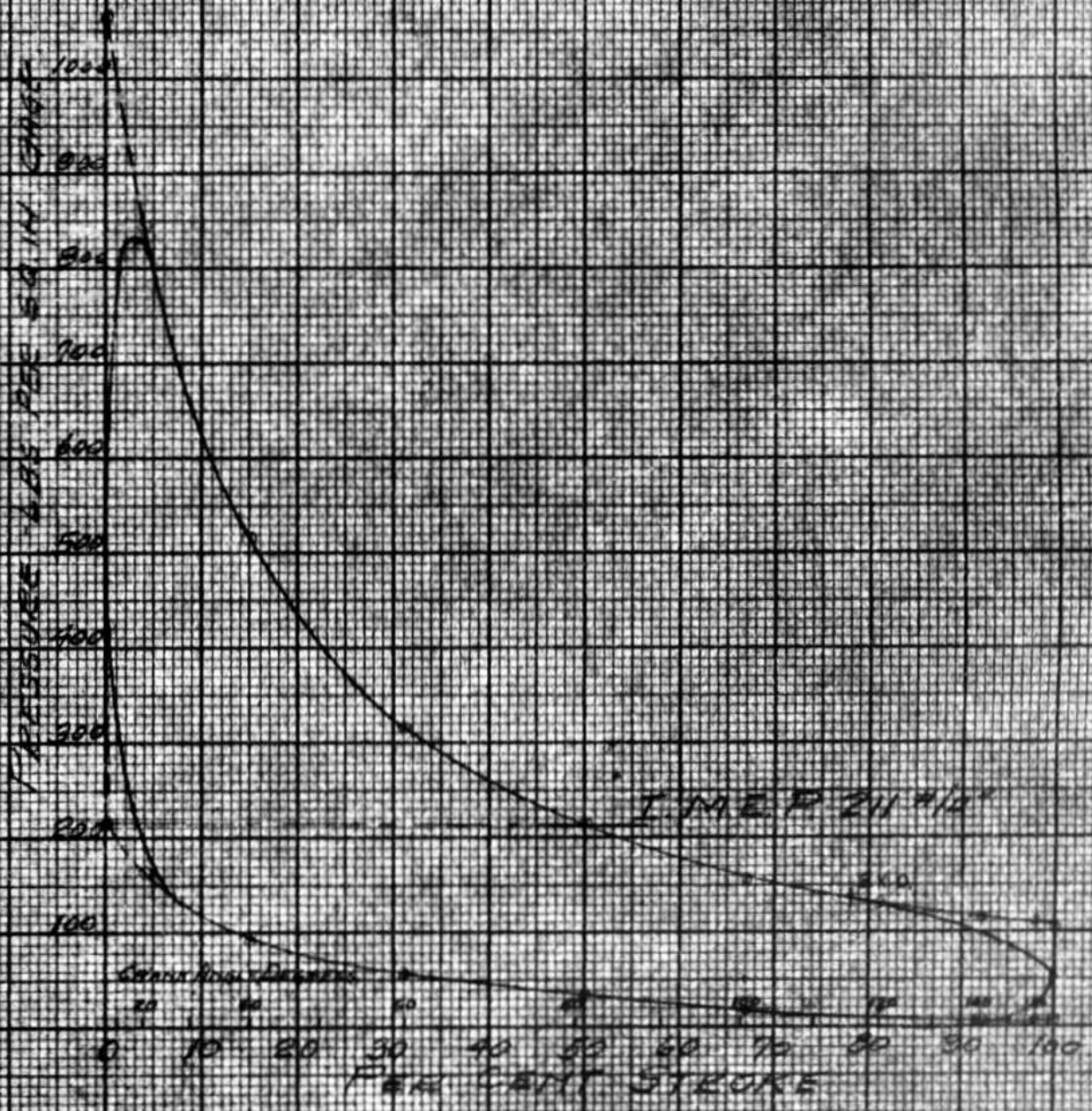
CONTINENTAL O-1430-1 ENGINE
PISTON VELOCITY, ACCELERATION
AND SIDE THRUST

PREPARED BY.


James W. Kinnucan
Design Engineer

APPROVED BY.


N. N. Tilley
Chief Engineer

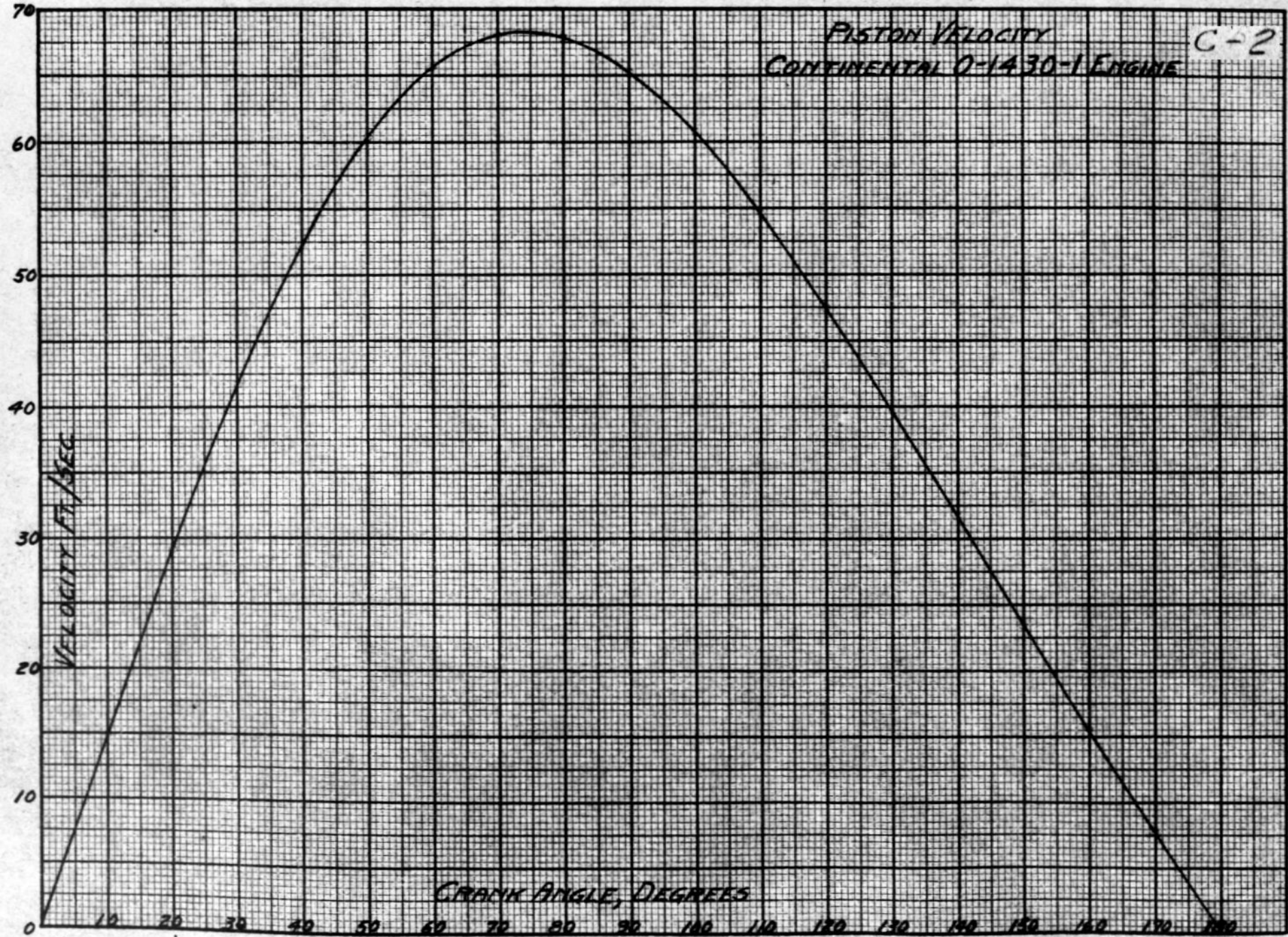


CALCULATED
 INDICATOR DIAGRAM
 IMEP = 211 #/sq in
 COMP. RATIO R = 6
 "n" = 1.3
 Fed = .90
 Pmax = 830 #/sq in

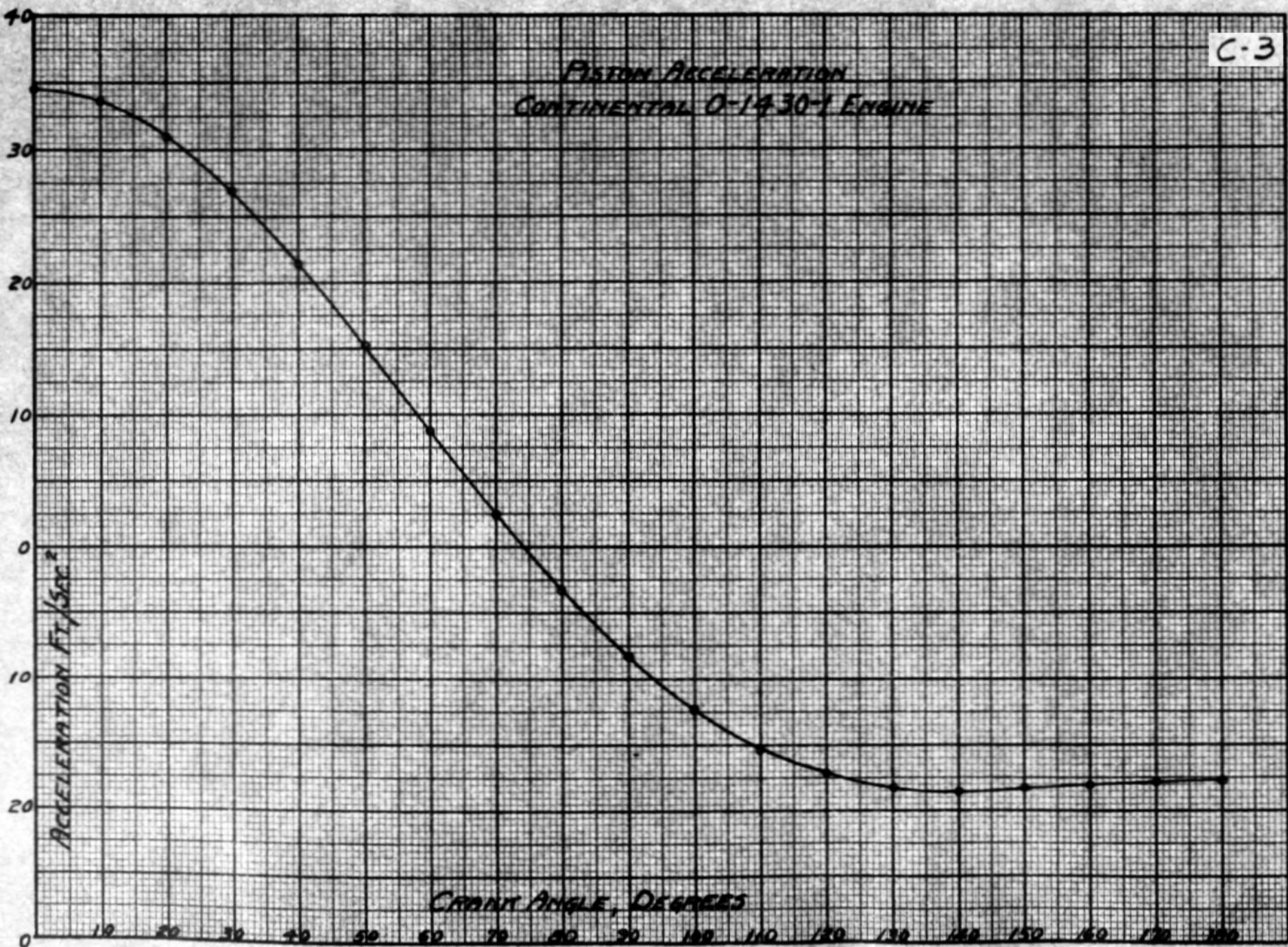
CONTINENTAL O-1430 ENGINE

PISTON VELOCITY
CONTINENTAL O-1430-1 ENGINE

C-2

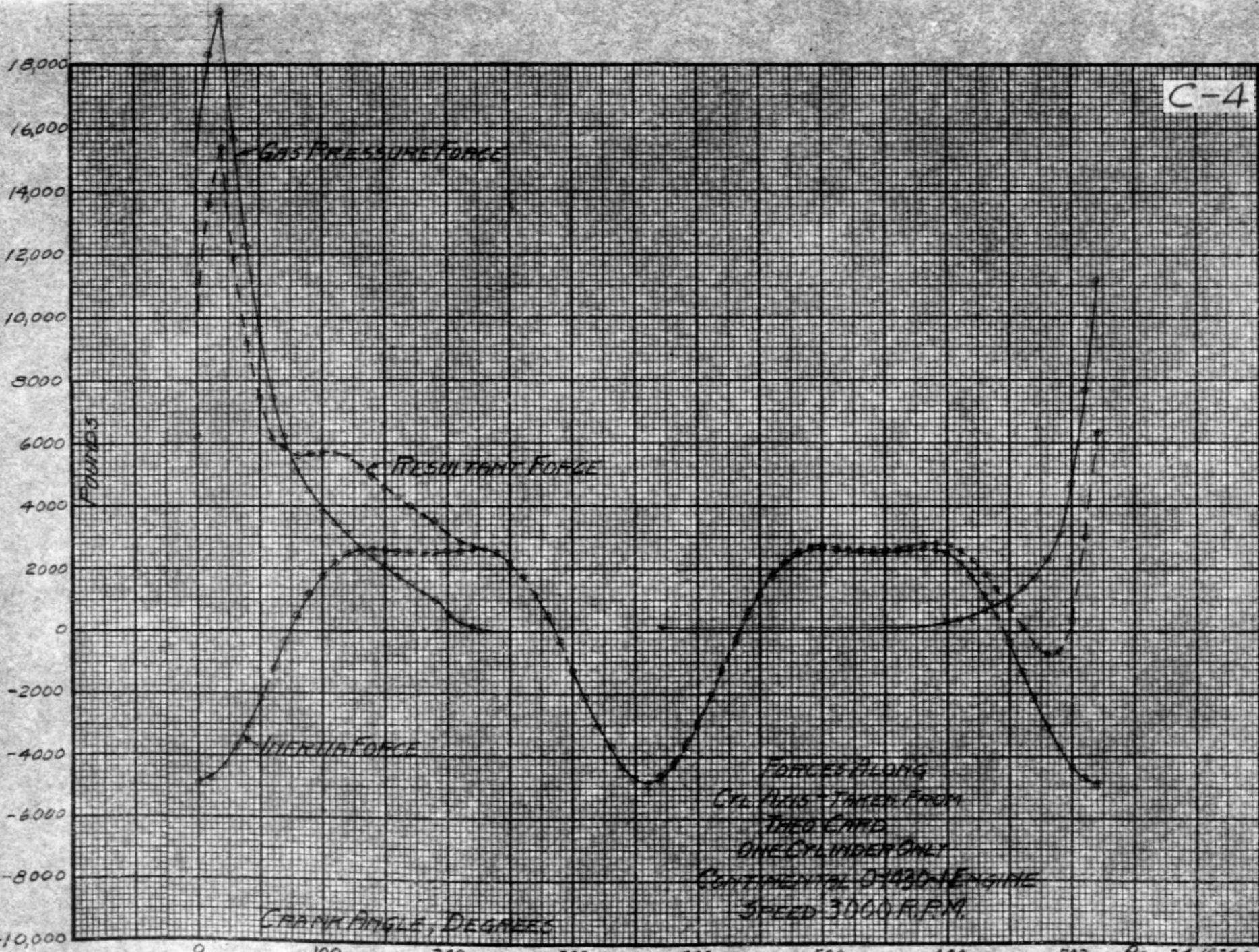


PISTON ACCELERATION
CONTINENTAL O-1430-1 ENGINE



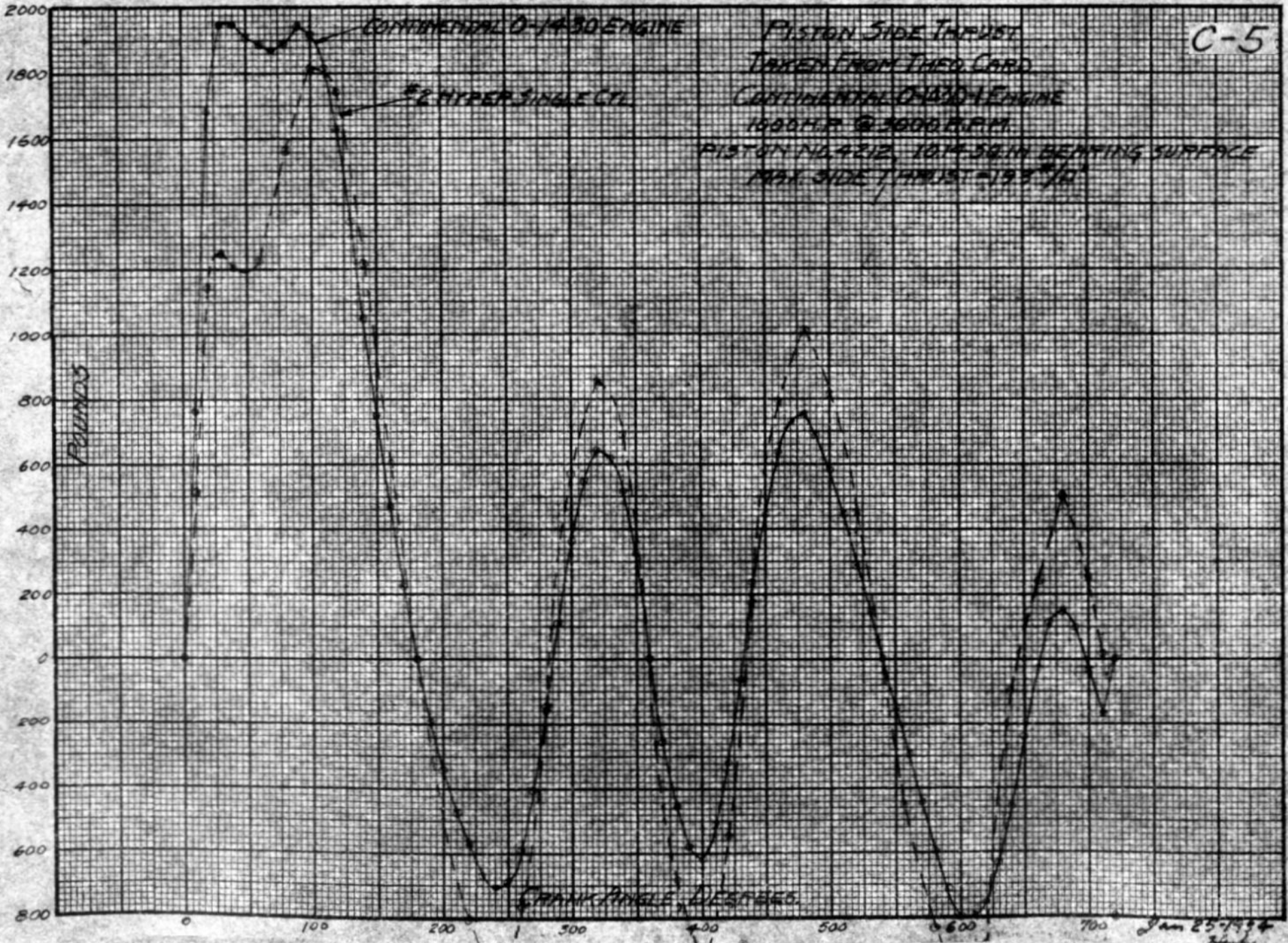
MAR 5-1934

C-4



Jan 24 1934

C-5



Jan 25, 1954
Harby