

DEVELOPMENT OF VEHs AND SMALL ARMS (Week ending 10 Jul)

24. (a) AFVs

- (i) Universal Carrier Mk I - Penetration and splash trials were carried out. Front and side plates of the carrier were fully tested to assess their immunity to AP .303" W Mk I amm. All likely vulnerable spots were also tested for splash entry of soft .303".
- (ii) 2" BT on Half-track - 2-in BT was fired from this veh to assess the value of the mtg bracket holding the bomb thrower.

(b) Proving Ground

- (i) Users trials have been completed and modifications and repairs are being carried out on the following:

Type "H" Machinery Lorry - Diamond T

QMG MT Maint Lorry - Diamond T

QMG Maint Lorry - 4-wheel Trailer

22 KW Generator Trailer - 2-wheeled

- (ii) Universal Carrier Recovery Test - A trial has been completed to check the performance with one or both tracks shortened and adjusting wheel eliminated.

(c) Small Arms

- (i) Cdn Quad 20-mm AA Mtg - Trials for dispersion have been completed.
- (ii) Cdn 20-mm Automatic Gun - Firing trials have been completed.
- (iii) 20-mm Hispano Guns - Low Series - Firing trials are in progress.

(d) Design

- (i) Armoured Full Track Snowmobile - A new type of LMG mtg placed in wooden mock-up of driver's compartment has been subjected to firing trials. Further design is required and the modified mtg will be tested later.
- (ii) Barracuda Lighter - The design has been verbally approved.

ARTY (Week ending 10 Jul)

25. (a) Coast Arty

Armament QF 6-pdr Twin - The second QF 6-pdr Twin eqpt has arrived at Saint John, NB. It will be installed at South Bar Bty, Sydney, NS.

(b) Field and A Tk Eqpt

- (i) Sights, 6-pdr A Tk - A sample T 52 telescope, 3X, with 3-in eye relief, for centre laying anti-ground target has been received from USA. Tests on the 6-pdr A Tk will be made.
- (ii) 17-pdr (3-in) SP Mk II - A preliminary sketch illustrating this equipment, mounted on a tracked chassis as an assault gun, has been completed.

(Over)