

TRIALS AGAINST ARMOUR PLATES &C.

ABSTRACTS from reports of trials are given in the following tables :—

NOTE.—(1) Shell filled salt unless otherwise stated.
(2) Plates unbacked unless otherwise stated.

O.B. Minute.	Nature of plate.	Nature of projectile.	Angle of attack from normal.	Striking velocity. f.s.	Result.	
					Projectile.	Plate.
<i>13-inch Plates.</i>						
9,740	Beardmore's 12·71-inch. No. 5,403.	13·5-inch (H.) A.P.C., Mark I.A. Hadfield, F.S.	Normal	1,166	Perforated. Shell rebounded	Hole: front, 12½ inches; back, 21½ by 18½ inches.
9,740	Brown's 13-inch to 12-inch. No. 22/8779.	Do. do.		1°	1,085 1,105	Penetrated 13½ inches. Shell unbroken .. Punched out disc
9,982	Brown's 13-inch to 12-inch..	Do. do.	2½° 2½°	1,086 1,171	Broke up on face of plate Perforated and broke up	Penetration, ¾ inch Hole: front, 13·2 by 12·7 inches; back, 17½ by 16½ inches.
9,982	Do. do.	12-inch A.P.C., Mark IV.A., salted. Hadfield, C.S.		2½° 2½°	1,686 1,702	Broke up on face Do. do.
9,982	Canmell's 12·74-inch. No. 6,818.	13·5-inch (H.), A.P.C., Mark I.A., salted. Hadfield, F.S.	Normal	1,117	Punched out disc and rebounded	Front hole, 13½ inches. Back damage, 24 by 30 inches.
9,982	Brown's 13-inch to 12-inch. No. 49/8,839.	Do. do.		2°	1,144	Punched out disc
9,982	Do. do.	12-inch A.P.C., Mark IV.A., salted. Hadfield, C.S.	2½° 2½°	1,056 1,700	Nearly punched out plug and rebounded.. Perforated and broke up	Penetration 16 inches. Hole: front, 12·1 inches; back, 20 by 21 inches.
10,190	A.W. Co.'s 12·73 - inch. No. 18,878.	13·5-inch (H.), A.P.C. Mark I.A. Hadfield, F.S.		Normal	1,650 1,098 1,087 1,107 1,188	Broke up on face Penetrated 18 inches and rebounded .. Penetrated 16 inches and rebounded .. Penetrated 15 inches and rebounded .. Punched out disc. Unbroken
10,190	Vickers' 13-inch to 12-inch..	Do. do.	2° 2°	1,181 1,096	Punched out disc and rebounded Do. do.	Front hole, 12½ by 12½ inches. Back damage, 32½ by 28 inches. Front hole, 12½ by 13 inches. Back damage, 28 inches.
10,406	Vickers' 13-inch to 12-inch. No. 41/8,207.	Do. do. At 13-inch portion.		2° "	1,099 1,158	Broke up on face Remained fixed in plate