

Trials against Armour Plates and Tubes.—*continued.*

O.B. Minute.	Nature of plate.	Nature of projectile.	Angle of attack from normal.	Striking velocity f.s.	Result.	
					Projectile.	Plate.
10,406	Vickers' 13-inch to 12-inch. No. 41/8,207.	12-inch A.P.C., Mark IV.A. Hadfield, C.S. At 11-inch portion	2°	1,750	Broke up. Point crushed on plate	Face damage, 30 by 36 inches.
10,406	Vickers' 13-inch to 12-inch.	13.5-inch (H.) A.P.C., Mark I.A. Hadfield, F.S. At 13-inch portion.	2°	1,102	Punched out disc and rebounded	Front hole, 12½ inches. Back damage, 25 by 33 inches.
10,406	Do. do.	12-inch A.P.C., Mark IV.A. Hadfield, C.S. At 11-inch portion.	2°	1,065	Penetrated 12½ inches and rebounded	Front hole, 12 inches.
			2°	1,018	Penetrated 11½ inches and rebounded	Front hole, 11½ inches.
			2°	1,655	Perforated and broke up	Front hole, 12 by 12.3 inches. Back damage, 19½ by 22½ inches.
			Normal	1,562	Broke up on face	Penetration, 1.9 inches.
			Normal	1,190	Punched out plug	Hole: front, 12¾ inches; back, 14 by 16 inches.
10,603	Brown's 12.68 - inch. No. 8,771.	13.5-inch (H.) A.P.C., Mark I.A. Hadfield, F.S.	9°	1,128	Broke up on face	Penetration, 1 inch.
			9°	1,191	Do.	Penetration, .8 inch.
			Normal	1,199	Punched out plug	Hole: front, 12.8 inches; back, 13 by 17 inches.
			"	1,130	Perforated. 9 inches of head in rear	Hole: front, 12½ inches; back, 21 by 16 inches.
			"	1,154	Punched out plug and part disc. Shell fixed in plate.	Front hole 12.75 by 13.5 inches. Back damage, 30 by 33 inches.
10,603	A.W. Co's 12.80 - inch. No. 11,411.	Do. do.	"	1,100	Punched out plug and part disc. 9 inches in rear.	Front hole, 12½ inches. Back damage, 27 by 24 inches.
			"	975	Broke up on face	Dish, 4-inch.
			"	1,032	Punched out plug and part disc. 7 inches in rear.	Front hole, 13 inches. Back damage, 30.5 by 33 inches.
			"	1,094	Punched out plug	Front hole, 12½ inches. Back damage 17 by 15-inches.
11,044	Beardmore's 12.72-inch. No. 16 P.R.	13.5-inch A.P.C. Mark I.A. Hadfield, F.S.	"	1,050	Penetrated 12-inches	Front hole, 12 inches.
			"	1,071	Punched out plug	Front hole, 12.5 inches. Back damage, 11½ by 16 inches.
			"	1,043	Broke up on face	Penetration, 1 inch.
11,044	A.W. Co's 12.77 - inch. No. 13,875.	Do. do.	"	1,137	Punched out plug. Fixed in plate	Hole: front, 12.75 inches; back, 17 by 16 inches.
11,044	Brown's 13-inch to 16-inch. Mean thickness of 520-lb. portion 12.71-inches. No. 33/S/8991.	Do. do. At 13-inch line	"	1,074	Broke up on face	Dish, 3-inch.
			"	1,111	Penetrated 14½-inches	Hole at face, 12½ inches.
			2°	1,095	Punched out plug	Hole: front, 13 inches; back, 15 by 12 inches.
			2°	1,011	Penetrated 13½-inches	Hole at face, 12 by 12½ inches
			2°	1,051	Broke up on face	Penetration, 2 inches.