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Projectile	Condition of Attack	Average Thickness of Area Tested	Protection Limit-pts	Equivalent Range in Yards
120mm AP T-11681	Direct Frontal Attack	4.73"	2895	1050
120mm AP T-11681	30° Plank from the Longitudinal Axis	5.28"	Approx. 2000	5000

T-43 Turret Body Casting Number 6

SUMMARY

Round-by-round data may be found in the detailed test data contained in Inclosure 2.

ROUND-BY-ROUND DATA

- Gun, 4.7" 12E1, No. 439
- Tube, 120mm, 12E1, No. 460
- Gun, 90mm, 115E2, No. 7
- Tube, 90mm, 115E2, No. 38167
- Gun, 76mm, 11A2, No. 11067
- Tube, 76mm, 11A2, No. 1143
- Gun, 57mm, 11065
- Tube, 57mm, 11065

AMMUNITION

- Shot, AP, 120mm 116E1, Lot NDV 1-1 w/Windshield
- Shot, AP, 90mm, 115, Lot RA-2
- Shot, AP, 90mm HVAR-M30L, Lot CAV-1-8
- Shot, AP, 76mm, APC M62A1, Lot LM-3-3
- Shot, AP, 57mm, M-70, Lot 260-23137-5

MATERIAL

One Turret Body Casting, Serial Number 6, for the Heavy Tank T-43

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DEVELOPMENT AND PROOF SERVICES
ALBRIGHT PROVING GROUND, MARYLAND
FIRING RECORD

OBJECT OF TEST: To determine the protection afforded by Turret Body Casting, Serial Number 6, for Heavy Tank, T-43, against ballistic attack by various projectiles

DEVELOPMENT PROJECT NO. 111-5

DATE OF TEST: 8 - 17 September 1952

FIRING RECORD NO. AT-18708

SHEET 1 OF 2

ARG FILE: (O) 451.6/2

DA FILE: 170.4/APG (14 Feb 51)

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1. Distribution
2. Detailed Test Data
3. Thickness Measurement Report
4. Armor Data Sheet

INCLOSURES:

Arms & Munition Div.

Acting Chief

B. S. GARDIN

H. J. ROUSE

Chief, Armor Branch

Civilian Gunner

WM. B. PRYE

RECEIVED:

Personnel conducting the test.

PRESENT AT TEST

This test confirmed the previous report which stated that there is a large difference in protection from a direct frontal attack as compared to a 30° flank attack. It is felt that this condition can be somewhat improved by a slight change in the turret wall thickness toward the side wall area. If this decrease in thickness were more gradual, the protection afforded by the turret should be much improved.

In the testing of T-43 turret body casting, Serial No. 6, it was found that the results very closely paralleled the results of T-43 turret body casting, Serial No. 8B, reported in Firing Record No. Ar-17521.

OBSERVATIONS

*Note: Equivalent ranges shown are based on muzzle velocities of 3150 fps for the 90mm AP T33 projectile; 3200 fps for the 90mm AP T33 projectile; 3150 fps for the 90mm HVAR M304 projectile; 2600 fps for the 76mm APC M62A1 projectile and 2950 fps for the 57mm AP R70 projectile.

Projectile	Condition of Attack	Average Thickness of Ballistic Area Tested	Protection Limit - ft	Equivalent Range - ft
90mm AP T33	30° Flank from the longitudinal axis	3.65"	2390	3360
90mm HVAR M304	30° Flank from the longitudinal axis	3.46"	2880	1800
76mm APC M62A1	90° Flank from the longitudinal axis	3.28"	2813	1200
57mm AP R70	90° Flank from the longitudinal axis	3.10"	2433	550

FIRING RECORD NO. Ar-18708
SHEET 2 OF 2

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Thickness Measurement Report

INCLOSURE NO. 3

INCLOSURE 3
FIRING RECORD NO. AP-18708

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Physical Test Laboratory

I. M. Johnson,
Measurements SectionJ. M. McKinley,
Chief

Approved:

Signed: H. J. Johnson

Appendix I

I Incl

For data see Appendix I.

RESULTS:

c. Thickness measurements were taken to the nearest .05%.

b. Measurements obtainable with the caliper gauges were taken

with the reflectoscope.

of the various sections.

Photograph number 40040 (see Report) shows the location

upper right corner of section 1 and lower left corner of the section.

Locations of each section. Position number 1 is upper left corner.

Thickness measurements taken in four

divided into sections 10" x 10" and

a. The current was

K. Procedure:

reflectoscope) after gauges.

1. Instrumentation:

TEST PROCEDURE:

at A.P.G.

To obtain the wall thickness

of the above burner before test

DETAIL OF TEST:

Tank Thrust 7/3, Serial No.

TEST OF:

GND-100

Title:

Report No.

3-1-96

Sheet

1 of 1

Date of Test

26 Oct. 1951

Report Complete

6 Dec. 1951

Conducted for

A & A Division

Project No.

11-5

Work Order No.

1013-691-2

Reference

None

LABORATORY SERVICE DIVISION
PHYSICAL TEST LABORATORY REPORT

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Appendix 1

Section	No.	Thickness Measurements of Tank Turners 1, 2, 3, Serial #6	Position
1	1	6.40"	1
2	2	6.85	2
3	3	6.10	3
4	4	6.10	4
5	5	6.45	5
6	6	6.83	6
7	7	6.81	7
8	8	6.60	8
9	9	6.10	9
10	10	6.70	10
11	11	6.55	11
12	12	6.60	12
13	13	6.50	13
14	14	6.55	14
15	15	6.75	15
16	16	6.61	16
17	17	6.35	17
18	18	6.20	18
19	19	6.40	19
20	20	6.40	20
21	21	6.65	21
22	22	6.60	22
23	23	6.60	23
24	24	6.60	24
25	25	6.10	25
26	26	6.21	26
27	27	6.21	27
28	28	6.00	28
29	29	6.95	29
30	30	6.10	30
31	31	6.10	31
32	32	6.85	32
33	33	6.90	33
34	34	6.25	34
35	35	6.05	35
36	36	6.00	36
37	37	6.90	37
38	38	6.90	38
39	39	6.60	39
40	40	6.25	40
1	1	4.70"	1
2	2	6.10	2
3	3	6.80	3
4	4	6.10	4
5	5	5.45	5
6	6	6.40	6
7	7	6.10	7
8	8	5.45	8
9	9	6.70	9
10	10	6.81	10
11	11	6.60	11
12	12	6.10	12
13	13	6.55	13
14	14	6.90	14
15	15	6.50	15
16	16	6.70	16
17	17	6.55	17
18	18	6.40	18
19	19	6.75	19
20	20	6.40	20
21	21	6.35	21
22	22	6.60	22
23	23	6.60	23
24	24	6.70	24
25	25	6.10	25
26	26	6.20	26
27	27	6.40	27
28	28	6.00	28
29	29	6.05	29
30	30	6.60	30
31	31	6.70	31
32	32	6.05	32
33	33	6.95	33
34	34	6.85	34
35	35	6.90	35
36	36	6.00	36
37	37	6.25	37
38	38	6.70	38
39	39	6.80	39
40	40	6.30	40

This Report No. 51-L-95

GORDON, DPC

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Third Report No. 51-L-95

ORD-100

Thickness Measurements of Tank Barrel 143, Serial No.

Section

No.

41	2.30	2.60	2.15
42	2.15	2.70	2.35
43	2.25	2.25	2.10
44	2.10	2.30	2.10
45	2.10	2.15	2.15
46	2.70	2.25	2.35
47	2.05	2.10	2.10
48	2.70	2.10	2.25
49	2.10	2.00	2.10
50	2.10	2.05	2.00
51	2.00	2.00	2.10
52	1.90	2.10	2.10
53	2.00	2.10	2.00
54	1.95	2.00	2.10
55	2.10	1.90	2.10
56	2.10	2.00	1.90
57	2.00	1.95	2.10
58	2.10	2.10	2.10
59	2.10	2.10	2.10
60	2.10	2.00	2.15
61	2.10	2.10	2.45
62	2.45	2.10	2.20
63	2.20	2.10	2.30
64	2.45	2.10	2.55
65	2.55	2.45	2.45
66	2.45	2.20	2.40
67	2.90	2.45	2.90
68	2.90	2.55	2.75
69	2.75	2.45	2.70
70	2.80	2.90	3.10
71	3.10	2.90	3.00
72	3.00	2.75	2.90
73	3.65	2.80	2.95
74	2.95	3.40	3.10
75	3.10	3.00	3.10
76	*	3.65	3.20
77	3.20	2.95	3.10
78	3.20	3.10	3.10
79	*	*	3.00
80	3.00	3.20	3.20

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Appendix I

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Appendix I

No.	1	2	3	4
81	3.10"	3.20"	3.10"	3.10"
82	3.55	*	3.35	3.00
83	3.35	3.00	3.30	3.10
84	3.30	3.10	3.30	3.10
85	3.95	3.55	3.40	3.35
86	3.40	3.35	3.35	3.30
87	3.35	3.30	3.40	3.30
88	3.80	3.95	3.80	3.40
89	3.80	3.40	3.50	3.35
90	1.50	3.95	*	3.40
91	3.50	3.80	3.65	3.80
92	3.60	3.80	3.55	3.50
93	3.55	3.50	3.75	3.50
94	4.45	3.65	3.85	3.65
95	3.85	3.60	3.90	3.75
96	3.65	3.55	4.75	3.85
97	5.00	4.75	4.60	3.85
98	4.75	3.85	4.60	3.65
99	4.75	3.65	4.75	3.65
100	5.50	5.00	4.50	4.75
101	5.50	4.75	3.65	4.60
102	5.65	4.60	6.10	4.75
103	4.85	5.50	4.85	5.50
104	4.25	5.50	4.85	6.10
105	7.95	6.65	6.05	6.10
106	7.95	6.10	6.00	5.85
107	6.00	*	5.15	5.85
108	1.55	2.85	3.40	3.80
109	1.60	1.55	4.45	3.40
110	2.00	1.60	3.15	4.45
111	2.40	2.00	3.10	3.75
112	2.15	1.70	2.40	2.00
113	1.70	1.70	2.00	1.60
114	1.70	1.65	1.60	1.55
115	1.65	2.50	1.55	2.85
116	1.70	1.80	1.65	2.30
117	1.70	1.70	1.70	1.65
118	1.60	1.70	1.70	1.70
119	1.80	1.60	2.15	1.70
120	1.00	1.85	1.80	1.60

Thickness Measurements of Tank Turret T-3, Serial 86

Position

Third Report No. 21-1-95

OSD/DPD

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Appendix I

Measurements imprecise due to non-rotation of turret.

131	1.85"	1.60"	1.60"	1.70"	1.70"
132	1.60	1.70	1.60	1.70	1.70
133	1.70	1.60	1.60	1.70	1.80
134	1.55	1.60	1.60	1.70	1.60
135	1.55	1.60	1.60	1.70	1.60
136	1.55	1.60	1.60	1.70	1.60
137	1.50	1.55	1.55	1.60	1.60
138	1.50	1.50	1.50	1.60	1.80
139	2.30	2.20	2.20	1.50	1.50
140	2.30	2.30	2.30	1.50	1.50

Measurements of four turret, serial #6

Position

No. 1 2 3 4

Third Report No. 41-1-95

QND-8PC

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TURRET NO. 35

MEMORANDUM REPORT

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Mr WFFye/vvp/5126

ORDBG-DPS-AA

TO: Commanding General, Detroit Arsenal, Center Lane, Michigan.
ATTN: ORDNX-RGN

Title: First Memorandum Report on the Ballistic Test of the Revised Design Cast Turret, Serial No. 35 Manufactured by General Steel Castings Corporation for the 120mm Gun Tank T-43 - Project T11-5

Reference: Detroit Arsenal Teletype 62113, 16 May 1953

1. Introduction

a. The cast turret serial number 35, for the 120mm Gun Tank T-43 covered by this memorandum report was submitted as an improvement over previous turrets (Serial numbers 6 and 8H) of the same type. Changes in some of the armor thicknesses had been made to bring about an improvement in protection. This test has been conducted in accordance with the above referenced directive and protection ballistic limit values have been obtained for the following conditions of attack.

Projectile	Condition of Attack
120mm AP T116M1	Direct frontal attack against the area to the left of the gunshield opening.
120mm AP T116M1	30° off the longitudinal axis of the turret against the area to the right of the gunshield opening.
90mm AP T33	30° off the longitudinal axis of the turret on the right and left sides.
90mm HVAP M361	30° off the longitudinal axis of the turret on the right and left sides.
76mm APC M62A1	90° off the longitudinal axis of the turret on the right and left sides.
57mm AP M70	90° off the longitudinal axis of the turret on the left side only.

a. The revised design for the 120mm Gun Tank T-43 turret as represented by cast turret Serial No. 35 offers considerably improved protection over the previous turret design represented by turret Serial Nos. 6 and 8H.

Based upon the results of this test it is concluded that:

3. Conclusions

e. The results obtained on turret No. 35 with the 120mm AP T116M1 projectile fired from the flank, 30° from the longitudinal axis of the turret and the 76mm APC M62A1 projectile fired from the flank, 90° from the longitudinal axis of the turret, very closely paralleled the results obtained on turret No. 6.

d. By comparing the results obtained in the testing of turret No. 6 with the results for turret No. 35 it will be noticed that the level of protection afforded by turret No. 35 is superior, in most cases, to that of turret No. 6. A definite improvement has been made in the protection afforded against direct frontal attack with the 120mm AP T116M1 projectile, the 30° flank attack from the longitudinal axis of the turret with both the 90mm AP T33 and the 90mm HVAP M34 projectiles, and the 90° flank attack from the longitudinal axis of the turret with the 57mm AP M70 projectile.

c. A comparison of the test results determined by subjecting both the T-43 turrets No. 6 and No. 35 to various conditions of attack is presented in a table which is an inclosure to this memorandum report.

b. Inasmuch as the results of the ballistic tests of cast turrets No. 8H and No. 6 closely paralleled one another, the results obtained from the test of turret No. 6 will be used as a basis for comparison between the original design represented by turret No. 6 and the revised design represented by turret No. 35.

a. The test results obtained from this firing program were compared with the results obtained by the similar testing of cast turrets, Serial No. 8H and Serial No. 6, for the 120mm Gun Tank T-43, and a brief discussion of this comparison is presented below. Data concerning the tests of T-43 turret, Serial No. 8H has been reported in Firing Record Ar-17521 and the test results for turret No. 6 are recorded in Firing Record No. Ar-18708.

2. Results

ORDRG-DPS-AA
Title: First Memorandum Report on the Ballistic Test of the Revised Design Cast Turret, Serial No. 35 Manufactured by General Steel Castings Corporation for the 120mm Gun Tank T-43 - Project T11-5

ORDBG-DPS-AA

Title: First Memorandum Report on the Ballistic Test of the Revised Design Cast Turret, Serial No. 55 Manufactured by General Steel Castings Corporation for the 120mm Gun Tank T-43 - Project TTI-5

b. Increase in obliquity and/or thickness of the area subject to 30° flank attack from the longitudinal axis is still needed to improve protection against calibers of projectiles of the order of 120mm as the present protection is not comparable to that afforded against the same attack by the hull of latest design for the T-43 tank.

4. Recommendations

It is recommended that:

a. The revised design for the cast turret for the 120mm Gun Tank T-43 as represented by turret Serial No. 55 be considered as affording decidedly improved protection over the previous design of turret represented by turret Serial Nos. 6 and 8B.

b. Efforts be made to provide additional obliquity and/or thickness in the area on either side of the turret subject to 30° flank attack from the longitudinal axis to provide protection more nearly comparable to that afforded under the same condition of attack by the hull of latest design for the T-43 tank.

APPROVED:

B. S. GOODWIN

Acting Chief

Arm & Ammunition Division

1 Incl.

1. Comparative Test Results

for T-43 Turrets

CG:

Detroit Arsenal

Attn: ORDNK-ECCT

Mr. W. Chupe

OCO

Attn: ORDTT

W. B. PRYB
Engineering Aid

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ROUND-BY-ROUND DATA FOR TURRET NO. 35

APPENDIX C

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THICKNESS MEASUREMENT REPORT TURRET NO. 35

APPENDIX D

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Appendix I

Section	No.	1	2	3	4
	40	6.25"	6.15"	6.45"	6.55"
	39	6.45	6.55	6.40	6.20
	38	6.20	6.25	5.85	6.45
	37	5.40	6.45	6.00	6.40
	36	5.50	6.10	5.50	6.10
	35	5.50	6.10	5.50	6.10
	34	4.60	5.40	4.95	5.50
	33	4.75	5.50	5.00	5.50
	32	5.00	5.50	5.10	5.90
	31	4.05	4.60	4.05	4.75
	30	3.10	3.70	3.70	4.05
	29	2.10	3.85	4.10	4.25
	28	3.05	3.70	3.70	3.90
	27	3.00	3.70	3.70	3.75
	26	3.30	3.40	3.70	3.90
	25	3.20	3.30	3.30	3.40
	24	*	3.60	3.20	3.30
	23	3.40	3.95	3.00	3.90
	22	3.30	3.70	3.40	3.75
	21	3.60	3.70	3.30	3.70
	20	3.75	3.85	3.90	4.10
	19	3.70	3.70	3.75	3.85
	18	3.70	3.70	3.70	3.90
	17	3.85	4.20	4.10	4.25
	16	3.70	4.05	3.85	4.20
	15	3.70	4.05	3.70	4.05
	14	4.20	4.00	4.25	5.40
	13	4.05	4.75	4.20	5.00
	12	4.05	4.60	4.05	4.75
	11	5.00	5.50	5.10	5.90
	10	4.75	5.50	5.00	5.50
	9	4.60	5.40	4.95	5.50
	8	5.50	6.10	5.90	6.40
	7	5.50	6.10	5.50	6.10
	6	5.40	6.50	5.50	6.10
	5	5.85	6.45	6.00	6.40
	4	6.20	6.25	5.85	6.45
	3	6.25	6.60	6.20	6.25
	2	6.45	6.55	6.40	6.20
	1	6.25"	6.15"	6.45"	6.55"

Thickness Measurements of Turret, 243 (Modified) #35, General Steel Wfg.

ORDBQ-DPS-LS
CONFIDENTIAL
Report No. 53-L-192

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Appendix I

Section No.	1	2	3	4
41	2.15"	2.45"	1.85"	2.70"
42	2.20	2.10	2.20	2.15
43	2.20	2.15	2.25	2.15
44	2.25	2.15	2.75	1.85
45	2.15	2.20	2.10	2.20
46	2.10	2.20	2.15	2.25
47	2.15	2.25	2.20	2.75
48	2.15	2.15	1.95	2.10
49	1.95	2.10	2.40	2.15
50	2.40	2.15	2.65	2.80
51	2.70	2.15	2.85	1.95
52	2.85	1.95	3.55	2.40
53	3.55	2.40	2.60	2.65
54	2.55	2.70	2.50	3.10
55	2.50	3.10	2.50	2.60
56	2.95	2.55	2.10	2.65
57	2.10	2.65	2.00	3.13
58	2.00	3.10	2.65	2.50
59	1.90	2.95	2.00	2.10
60	2.00	2.10	2.00	2.00
61	2.00	2.00	2.45	2.65
62	2.00	1.90	2.00	2.00
63	2.00	2.00	2.10	2.00
64	2.10	2.00	2.60	2.45
65	2.40	2.00	2.40	2.00
66	2.40	2.00	2.50	2.10
67	2.50	2.10	2.00	2.60
68	2.70	2.40	2.70	2.40
69	2.70	2.40	2.95	2.50
70	2.95	2.50	3.15	2.00
71	3.50	2.70	2.95	2.70
72	2.95	2.70	3.10	2.95
73	3.10	2.95	3.15	3.15
74	*	*	3.15	2.95
75	3.15	2.95	3.10	3.10
76	3.10	3.10	3.40	3.15
77	3.55	3.20	3.50	3.15
78	3.50	3.15	3.50	3.10
79	3.50	3.10	3.60	3.40
80	3.60	3.55	3.65	3.50

Thickness Measurements of Tubes, 743 (Modified) #35, General Steel Mfg.

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Appendix I

Section	No.	1	2	3	4
81	3.65"	3.50"	3.50"	3.50"	3.50"
82	3.50	3.50	3.80	3.60	3.60
83	3.50	3.60	3.85	3.65	3.50
84	3.85	3.65	4.40	3.80	3.50
85	4.40	3.50	4.00	3.85	3.80
86	4.35	3.50	4.70	3.85	3.85
87	4.70	3.85	4.75	4.40	4.40
88	4.75	4.40	5.25	4.00	4.00
89	4.90	4.35	5.00	4.70	4.70
90	5.00	4.70	5.20	4.75	4.75
91	5.20	4.75	6.10	5.25	5.25
92	5.45	4.90	5.80	5.00	5.00
93	5.80	5.00	5.30	5.20	5.20
94	5.30	5.20	5.95	6.10	6.10
95	0.25	5.45	6.10	5.80	5.80
96	0.10	5.80	6.20	5.30	5.30
97	6.20	5.30	6.35	5.95	5.95
98	6.55	6.25	6.45	6.10	6.10
99	6.45	0.10	6.50	6.25	6.25
100	0.50	6.25	5.00	6.40	6.40
101	5.00	0.50	6.30	6.50	6.50
102	6.30	0.50	6.35	6.35	6.35
103	1.90	3.20	1.80	3.95	3.95
104	1.80	1.90	5.50	1.80	1.80
105	1.70	1.80	3.65	5.80	5.80
106	2.90	1.70	2.20	3.65	3.65
107	2.55	1.75	2.90	1.70	1.70
108	1.75	1.75	1.70	1.80	1.80
109	1.80	1.90	1.80	1.90	1.90
110	1.90	2.65	1.90	3.20	3.20
111	2.05	2.15	1.90	2.65	2.65
112	1.90	2.05	1.80	1.90	1.90
113	1.90	1.90	1.75	1.80	1.80
114	2.20	1.90	2.55	1.75	1.75
115	2.40	2.05	2.20	1.90	1.90
116	2.05	2.00	1.90	1.90	1.90
117	1.95	1.75	2.05	2.15	2.15
118	1.95	1.75	2.05	1.95	1.95
119	2.10	2.05	2.00	2.00	2.00
120	2.05	2.10	1.95	1.95	1.95

Thickness Measurements of Turret, 743 (Modified) #35, General Steel Mfg.

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Appendix I

*Due to obstructions on tank turret these readings were unobtainable.

Section	No.	1	2	3	4
121	3.05"	2.15"	2.10"	2.05"	2.05"
122	2.15	2.20	2.05	2.10	2.10
123	3.00	3.15	3.05	2.15	2.15
124	3.15	3.15	2.15	2.20	2.20
125	*	2.10	2.05	2.00	2.00

Thickness Measurements of Turret, 1743 (Modified) #35, General Steel Mfg.

Report No. 53-1-192

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O'DBG-DHS-15

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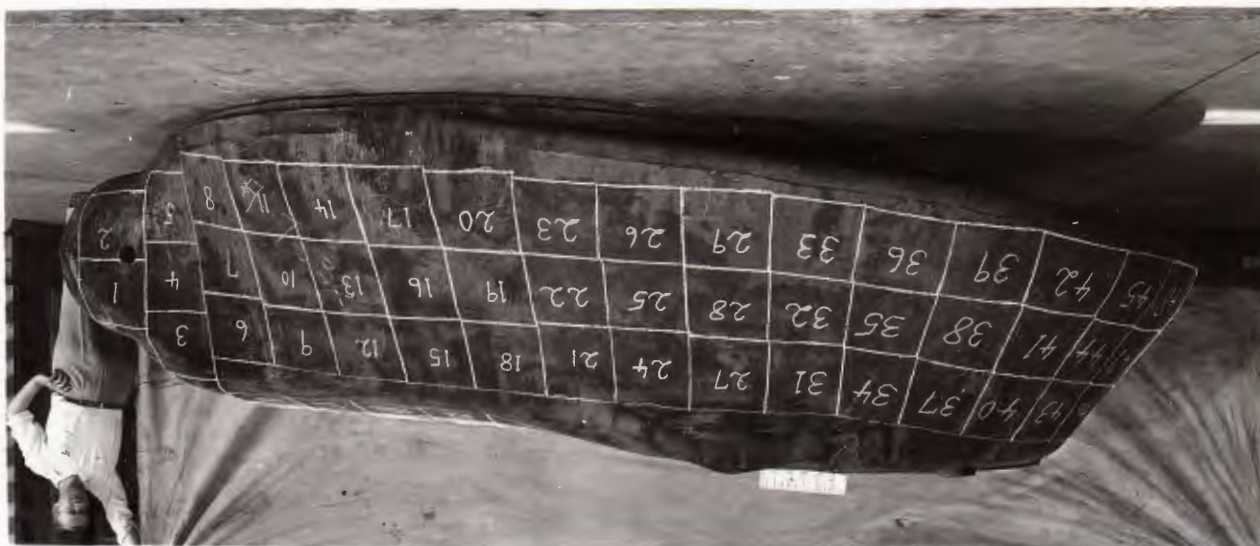
Authority NND836542

Right side of Turret, showing thickness measurement 1
fore test at A.P.G.

Project No. TT1-5. Tank, Turret, T43. Ser. 8H.

1 June 1951

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Project No. TT1-5. Tank, Turret, T43. Ser. 8H.
Left side of Turret, showing thickness measurement 1c
test at A.P.G.

1 June 1951

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Authority NND836542

Project No. T71-5. Ballistic Test of T43 Tank Turret, Serial No. 6.
View of the left side of the turret showing the results of firing
120mm, AP, T116B4 projectiles from direct front, 90mm, AP, M70
projectiles from 300 flank and 76mm, APC, M62A1 projec
AP, M70 projectiles from direct flank.

24 September 1952

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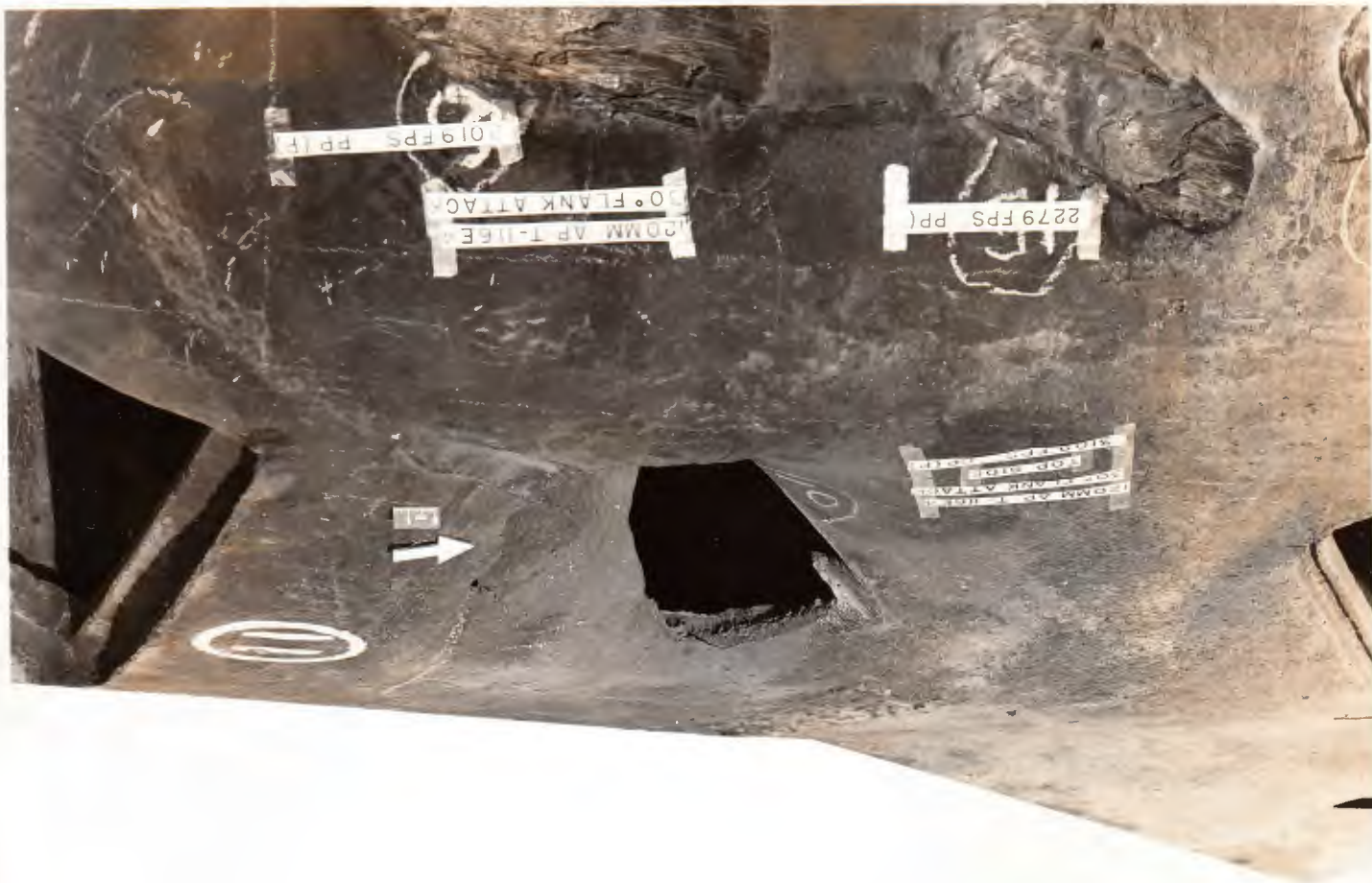


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Project No. T11-5. Ballistic Test of T43 Tank Turret, Serial No. 6.
View of the top of the turret showing damage done by on 120mm AP
T116B4 projectile fired from 30° off the longitudinal a
turret.



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Project No. T71-5. Ballistic Test of T43 Tank Turret, Serial No. 6.
 View of the right side of the turret showing the results of firing
 120mm, AP, T116E4 projectiles from 30° flank, 90mm, AP, T33 projectiles
 from 30° flank, and 90mm, HVAP, M304 projectiles for 30°

24 September 1952

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Project No. T11-5. Ballistic Test of Cast Turret for the 120mm Gun Tank,
T-43.
Area to the left of the gun shield opening, showing the
an attack from Direct Front with the 120mm, AP, T116E4

7 July 1953



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with the 76mm, APC, M62A1 and the 57mm, AP, M70 Project
the 90mm, AP, T33 and 90mm, HVAR, M304 Projectiles and

Left side view, showing the results of an attack from 200
Project No. TTI-5. Ballistic Test of Cast Turret for the 120mm Gun Tank,
7 July 1953

A90786 CONFIDENTIAL & ABERDEEN PROVING GROUND



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Authority NND886542

A90787 CONFIDENTIAL & ABERDEEN PROVING GROUND
Project No. T11-5. Ballistic Test of Cast Turret for the 120mm Gun Tank,
T-43.
Area to the right of the gun shield opening, showing
an attack from a 30° Flank with the 120mm, AP, T116E4

7 July 1953



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90° Flank attack with the 76mm, APC, M62A1 Projectile.

Right side view, showing the results from an attack from 30° Flank

T-43.

Project No. T11-5. Ballistic Test of Cast Turret for the 120mm Gun Tank,

7 July 1953

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