

STEEL STEAMER or MOTORSHIP.

Received at London Office

26 AUG 1936

State if Report has been sent on the Freeboard of the Vessel *No*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of Report

24th August 1936

Port of *GDYNIA*

No. 1545

Survey held at *DANZIG*Date First Survey *1st July 1935*Last Survey *30th July*

1936

On the (State if Machinery fitted Aft and

Single Screw Motor Tanker 'PAUL HARNEIT' with Machinery fitted aft

State Type (Full Scantling, Complete Superstructure

with or without Tonnage Openings)

*Full Scantling without tonnage openings*State Type of Erections *Boop, Bridge & Forecastle*

TONNAGE under Tonnage Deck...

*9635*CLASS *+100A1*State if with freeboard as condition of Class *without freeb.*Built at *Danzig*

Do. of space or spaces between Tonnage Dk. and Upper Dk.

✓

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

FEET.

*L 485.00*Launched *19th May 1936* Yard No. *1350*

Total

9635

Breadth (greatest moulded)

*B 69.45*Builders *J. Schichau S. m. b. H.*

Gross Tonnage

10443

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

*D 37.00*Owners *Deutsch-Amerikanische Petroleum-Gesellschaft*

Register Tonnage

*5815*1st Longitudinal Number (L x D) = *19945.00*2nd Numeral L x (B + D) = *51443.45*Managers *Married Tankerschiff Rhederei S. m. b. H.*

(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.

FEET.

Length

488.4

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.108

Breadth

40.0

Depth

36.9

Draught Moulded

*29'-9"*Residence *Hamburg*Port of Registry *Hamburg*

If surveyed while building, afloat, or in dry dock

While building, afloat and in dry dock

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships			Bracket Floors, Frame		
" " from $\frac{3}{4}$ length to Collision bulkhead			" " Reversed Frame		
" " in peaks	<i>610</i>		" " Vertical Struts		
" " in engine & boiler spaces	<i>450</i>		Centre Girder, depth and thickness amidships	<i>1740 12</i>	
SIDE FRAMING.			" " "A top Angles <i>double</i>	<i>90 90 14</i>	
Frame Amidships, Angle, [or]			" " "A bottom Angles <i>double</i>	<i>130 130 13</i>	
" " Extends up to			Side Girders, No. each side and thickness	<i>No I 15 Nos II 12</i>	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	<i>14</i>	
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	<i>90 90 14</i>	
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem		
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem		
" " Third " " "			Tank Side Brackets, height above base line at toe of Frame and thickness	<i>12</i>	
Framing in Peaks, Angle or [<i>230 90 12</i>		INNER BOTTOM PLATING, aft	<i>14</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships			Breadth and thickness of Middle Line Strake	<i>In way of eng 30</i>	
State if Frame Joggled <i>in peaks</i>	<i>No</i>		Thickness of remainder in Holds		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<p>Arrangements of frames, beams, stringers, and girders etc., in their connections, as shown, carried out as approved. Otherwise rule requirements complied with.</p> <p>The midship thickness of 19mm of three strakes of bottom plating maintained, & both frames No 46 & 47 from there to rule position of collision bulkhead 20mm thick. Bottom longitudinal in oil tanks Nos 1 & 2 fitted with reverse angles otherwise as approved or per Rules.</p>		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	<i>In way of eng 14 2 strakes 30</i>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, forward	<i>fr. frame 90 to stem 200 45 11</i>	
Floors, Depth and thickness at mid-line in Holds			" " in Wells, Angle, E or [
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or [
Middle Line Keelson, on Floors, Angles, (In way of cargo oil tanks)	<i>180 90 10 sg2.</i>		Spacing	<i>610</i>	
" " Through Plate or Intercoastal Plate	<i>1400 11.5</i>		Second Deck, amidships, Angle, E or [<i>frame 4 101 11 180 90 12</i>	
" " Foundation Plate on Floors			Spacing	<i>frame 4 69 610</i>	
" " " " " " "			Third Deck, forward	<i>frame 80 to 90 150 90 11 230 90 11</i>	
" " " " " " "			Spacing	<i>610</i>	
" " " " " " "			Fourth Deck, amidships, Angle, [or [
" " " " " " "			Spacing		
DOUBLE BOTTOM, aft in engine room			Poop Deck, Angle, [or [
Solid Floors, thickness and spacing	<i>Spaced 450 12 x 15 mm</i>		Spacing		
" " Are Frame and Reversed Frame joggled?	<i>No</i>		Bridge Deck, Angle, [or [
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or [<i>frame 84 to 95 230 90 12 200 45 11</i>	
			Spacing	<i>610</i>	

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
TWEEN DECK FRD: Frames 83: 2 Rows	11 100 100 11				
PILLARS, No. of Rows	100 dia. solid				
IN FORECASTLE: Frames 91, 95, 99, 103: 2 Rows	90 dia. "				
IN BRIDGE: " 64, 65 & 66: 1 Row	100 dia. "				
IN ENG. ROOM TWEEN Dk: Frames 30, 34, 38, 42: 2 Rows	11 150 150 12.5				
IN BOILER TWEEN Dk: " 22: 2 Rows	11 150 150 12.5				
IN ENG. ROOM: Frames 26, 30, 34, 38, 42: 2 Rows	11 150 150 12.5				
" " " 22: 1 Row	11 150 150 12.5				
in Holds					
2 LONG SIDE Centre Line Bulkheads					
Stiffeners and Spacing of Longl. stiff. 1/60					
Plating, thickness of 10 1/4 14.5					
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	2150 22 1/2 11.5				
" AT END OF POOP & " in way of Bridge	2150 25				
" Angle in Wells	180 180 20				
Thickness of Plating abreast Deck openings in way of Wells	20.5				
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings	12.5				
If Sheathed, material and thickness					
Second Deck, AFT:					
Stringer Plate, breadth and thickness in Wells	990 9 9.5				
Stringer Plate, breadth and thickness in way of Bridge	2150 25				
Angle in Wells	180 180 20				
Thickness of Plating abreast Deck openings in way of Wells	20.5				
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings	12.5				
If Sheathed, material and thickness					
Second Deck, FORWARD:					
Stringer Plate, breadth and thickness	10 1/4 8.5				
If Plated, state thickness	10 1/4 8.5				
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness	1000 10				
Plating, Sheathing, material and thickness	8				
Bridge Deck.					
Stringer Plate, breadth and thickness	1000 11.5				
Plating, Sheathing, material and thickness	9 1/2 11.5				
Forecastle Deck.					
Stringer Plate, breadth and thickness	930 10 9				
Plating, Sheathing, material and thickness	12 under windlass				

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS. amidships		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	1420	2 1/4	21	21	/	double	28	112	3 amidships 4 at ends	28	112	Butt welded & strapped outside (Lapped)
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes 5	B 2330 C 102050 E 1270 F 1875	19	B-D 19 1/2 E 16 F 19	14 16.5 14		double	25	100	3 amidships (4 at ends)	25	100	Butt welded & strapped outside (Lapped)
BILGE PLATING, No. of Strakes 1	G 1965 H 2055	19	19	19	/	double & treble K treble & double	25	100	3 amidships (3 at ends)	25	100	Butt welded & strapped outside (Lapped)
SIDE PLATING, No. of Strakes 2	J 2045 K 2100	1 1/4	13.5	13	/	J & H treble	22	88	4 amidships (3 at ends)	22	88	Lapped
UPPER DECK, Sheer- strake in Wells	M 2000	23.5	13	12.5	/	double	25	100	3 amidships (4 & 3 at ends)	25	100	Obl. butt straps (Lapped)
UPPER DECK, Sheer- strake in Bridge ...	M 2000	2 1/4			/	double	28	112	3 5 amidships	28	112	Obl. butt straps
STRAKE BELOW Sheer- strake in Wells	L 2000	21	13	12.5	/	double	25	100	(4 & 3 at ends)	25	112	Lapped
STRAKE BELOW Sheer- strake in Bridge ...	L 2000	21			/	double	25	100	5	25	112	"
POOP SIDE PLATING		11.5			/	single	19	76	2	19	67	"
BRIDGE SIDE PLATING ...		11.5, 13.5			/	single	19	76	2	19	67	"
FOREC'TLE SIDE PLATING		11.5			/	single	19	76	2	19	67	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		15				
,, Deck next below		1				
As per Rule						
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						
,, Second ,,						
,, Third ,,						
,, Holds						
COLLISION ,, (in Hold)						
AFTER PEAK ,,						

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
STEM				
KEEL, Bar	Plate stem	22		
STEM SHEET	Casting	To plan	J. Schichau	
STERN FRAME	Castings	To plan	Polbing	
Propeller Post (in two sections)	Forging	2 1/2 dia		
Rudder (Portable)				
RUDDER—A x D x 100 = 1522				
Speed of Vessel 12.5 knots				
RUDDER main piece at head	Forging	322 dia	J. Schichau	
" " heel			Polbing	
" how constructed	E.W. Stream line rudder		J. Schichau	
" double or single plate	double plate	13		
" coupling, vertical or horizontal	horizontal			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) August Thyssen-Hütte A. B., Duisburg
 Hamborn, Deutsche Röhrenwerke Aktienges., Werk Thyssen-Mülheim (Ruhr); Dortmund-Hoerder Hüttenverein A. B., Werk Hoerde & Werk Dortmund; Gutehoffnungshütte, Oberhausen, New Oberhausen & Schwerte (Ruhr); Mannesmannröhren-Werke AG, H. Brenner-Hütte, Dlg. Hückingen, Ilseder Hütte, Peine, Atlas Werke A. B., Bremen, Schichau Polbing.
 Has the Steel been tested as required by the Rules? Yes.

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

OILTIGHT & WATERTIGHT BULKHEADS.

FRAME NOS.	PLATING THICKNESS	STIFFENERS.				
		VERTICAL		HORIZONTAL		
		SCANTLINGS	SPACING	MAIN TANK SCANTLINGS	SPACING	WING TANKS SCANTLINGS
No 91 COLLISION BHD	14 6 10	5 340 x 100 x 13 " 250 x 90 x 11 " 230 x 90 x 11 " 200 x 90 x 10 " 150 x 90 x 10	460	2 horiz plates 610 x 10 with 100 flange		
No 83	14 6 10	5 340 x 100 x 13 " 300 x 90 x 13 " 250 x 90 x 11 " 230 x 90 x 11	460	3 horiz plates 610 x 10 with 100 flange		
No 46	14 6 10	IN MAIN TANK 1 web 1920 x 11.5 5 300 x 90 x 13		5 280 x 90 x 12 " 250 x 90 x 13 " 250 x 90 x 11.5 " 230 x 90 x 12.11 " 200 x 90 x 10	460	5 180 x 90 x 10.9.5 " 165 x 45 x 10.5.8 " 150 x 45 x 10.9.5.8
No 44	14 6 10	IN MAIN TANK 1 web 1920 x 11.5 5 300 x 90 x 13 FACE BAR 2 webs 1830 x 11.5 5 300 x 90 x 13 IN WINGS 2 webs 1450 x 11.5 L 150 x 90 x 15		5 320 x 100 x 13 " 300 x 90 x 13 " 280 x 90 x 12.5.12 " 250 x 90 x 13.11.5 " 230 x 90 x 12.11 " 200 x 90 x 10	460	5 180 x 90 x 9.5 " 165 x 45 x 9.5.8.5 " 150 x 45 x 9.2.8
No 41	14 6 10	IN MAIN TANK 1 web 1920 x 11.5 5 280 x 90 x 12.5 2 webs 1790 x 11.5 5 300 x 90 x 13 IN WINGS 2 webs 1450 x 11.5 L 150 x 90 x 15		5 320 x 100 x 13 " 300 x 90 x 13 " 280 x 90 x 13.12 " 250 x 90 x 11.5.11 " 230 x 90 x 11 " 200 x 90 x 12.10	460	5 280 x 90 x 12 " 250 x 90 x 12.11 " 230 x 90 x 11 " 200 x 90 x 12.10 " 180 x 90 x 10
Nos 54, 54, 60, 62 65 & 68	14 13.5 6 10	IN MAIN TANK 1 web 1920 x 11.5 5 230 x 90 x 13 2 webs 1580 x 11.5 5 230 x 90 x 13 IN WINGS 2 webs 1450 x 11.5 L 150 x 90 x 15		5 300 x 90 x 13 " 280 x 90 x 13.12 " 250 x 90 x 14.11 " 230 x 90 x 11 " 200 x 90 x 11 " 200 x 90 x 10	460	5 250 x 90 x 12 " 230 x 90 x 11 " 200 x 90 x 11.5.10 " 180 x 90 x 10
No 51	13.5 6 10	IN MAIN TANK 1 web 1920 x 11.5 5 200 x 90 x 12 2 webs 1580 x 11.5 5 280 x 90 x 13 IN WINGS 2 webs 1450 x 11.5 L 160 x 19 x 15		5 300 x 90 x 14.13 " 280 x 90 x 13.12 " 250 x 90 x 14.12.11 " 230 x 90 x 11 " 200 x 90 x 10	460	5 250 x 90 x 13.12 " 230 x 90 x 11 " 200 x 90 x 11.5.10 " 180 x 90 x 10
Nos 44 & 48	13.5 6 10	5 webs 1220 x 11.5		5 320 x 100 x 14.5.13 " 300 x 90 x 13 " 280 x 90 x 12 " 250 x 90 x 12.11 " 200 x 90 x 12.10	460	5 250 x 90 x 13.12 " 230 x 90 x 12.11 " 200 x 90 x 12.5.10 " 180 x 90 x 10
No 45	13.5 6 10	IN MAIN TANK 1 web 1920 x 11.5 L 150 x 90 x 11.5 FACE BAR 2 webs 1445 x 11.5 5 280 x 90 x 13 IN WINGS 2 webs 1000 x 11 5 180 x 90 x 11		5 300 x 90 x 13 " 280 x 90 x 13.5.13 " 280 x 90 x 12 " 250 x 90 x 13.11 " 230 x 90 x 12.11.5 " 180 x 90 x 9	460	5 230 x 90 x 11 " 200 x 90 x 10 " 180 x 90 x 11.10.5.10.9
No 9 AFTER PEAK TANK BHD	16 6 4.5	5 230 x 90 x 11 " 200 x 45 x 12 " 165 x 45 x 10.5 " 150 x 45 x 8	460	5 200 x 45 x 12		

Tween deck & superstructure end bulkheads as approved.

ANCHOR HEADS
Particulars of Drop Test of
Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower WEIGHT OF HEAD: 2786 kg. SURVEYOR'S INITIALS: J.C.D. NUMB. OF CERT: 858 DATE OF TEST: 10.1.36
2nd " " " " : 2744 kg. " " " " " " : 860 " " " " " "
3rd " " " " : 2750 kg. " " " " " " : 861 " " " " " "
STREAM " " " " : 1194 kg. " " " " " " : 859 " " " " " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 10 4/5 ft., R.Q.D. ✓ ft., Bridge 39.4 ft., Forecastle 35.3 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 Dk

Official No. ✓ ; Signal Letters DJRS

Is bottom of Vessel coated with cement in tanks clear of oil yes if not give

particulars of composition Outside coating of bottom: 1 coat of white lead, 1 coat of pink lead, 1 coat of red lead, 2 coats of anti-corrosive and 1 coat of anti-fouling.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	83.4	171	Fore peak tank,		369
Double bottom, under Engines and Boilers,			After peak tank, (In two sections. After sect. in cruiser stern)		214
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, Between frames 83 & 91	16	539
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
Total capacity of double bottom		171			
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No.
Authorization.

Date 19th February 1935

Dates of Surveys
held while building

1935 July 1, 10, 16, 25. August 1, 8, 22. Sept. 18, 24, 29. Oct 1, 5, 10, 15, 22, 23, 30, 31 Nov. 5, 12, 13, 19,
25, 28. December 5, 11, 13, 19. 1936 January 2, 7, 8, 16, 22, 23, 29. February 4, 12. March 3, 10, 13, 18, 25, 29, 28,
30, 31 April 2, 4, 6, 8, 9, 18, 20, 21, 22, 23, 24, 25, 28, 30. May 2, 4, 5, 7, 9, 11, 12, 13, 14, 15, 19, 23 June 8, 22, 25, 29
July 7, 8, 9, 13, 14, 15, 24, 29, 28, 30
Total No. of Visits 84

Rpt. 1*.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
		In Ship.			In Ship. FORWARD			Per Rule or as approved.			In Ship Per Rule or as approved AFT			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Bulkheads.	
														Diam. Speng.			Number.	
				In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	
Framing of L E																		
Nos. HD	Frames in Bridge 'tween Decks ...	165	95	9.5									22	132	132 throughout		6	
	Frames from Uppermost Continuous Deck No. 1	200	90	13	180	90	10				180	90	10	22	132	8		
	" 2	"	"	"	"	"	"				"	"	"	"	"	"		
	" 3	230	90	11	"	"	"				"	"	"	"	"	132 throughout 9		
	" 4	230	90	11.5	"	"	"				"	"	"	"	"	"		
	" 5	250	90	11	200	90	10				200	90	10	"	"	10		
	" 6	250	90	13	"	"	"				"	"	"	"	"	"		
	" 7	280	90	12	230	90	11				200	90	11	"	"	back side of bds. & transverses facing bulkhds. 12 rivets 99 mm apart. Other sides of transverses 10 rivets 99 mm apart 11		
	" 8	"	"	"	"	"	"				230	90	11	"	"	"		
	" 9	280	90	13	"	"	"				"	"	"	"	"	"		
	" 10	280	90	13.5	250	90	11				230	90	12	"	"	"		
	" 11	300	90	13	"	"	"				250	90	11	"	"	Ditto 12 rivets 99 mm apart 10 " 99 " "		
	" 12	"	"	"	250	90	11.5				"	"	"	"	"	"		
	" 13	340	100	15	340	100	15				"	"	"	"	"	18		
	" 14																	
	" 15																	
" 16																		
Spacing of Longitudinal Frames		Amidships 460			At Ends													
0, 62	Double Bottoms	Tank Top Longitudinals		43 1/8	10 1/2	13 25/32	14 5/8	250 x 90 x 11.5		14 5/8	250 x 90 x 11	25	150	back side of bds. & transverses facing bds. 12 rivets 87.5 mm apart. Other sides of transverses 10 rivets 87.5 mm apart		22		
	L E C	Bottom Nos. 14-19 & 21-26		17 1/2			16 5/8	250 x 90 x 12		16	280 x 90 x 12							
14	Spacing of Longitudinals	Amidships		460			17	250 x 90 x 12.5		17	" x " x "							
		At Ends...		"			18	300 x 90 x 13		18	300 x 90 x 13							
							19	" x " x "		19	280 x 90 x 12							
							21-26	340 x 100 x 13.5		21-26	340 x 100 x 13.5							
		Transverses.												Rivets in Lugs to Shell Diam. Speng.				
18	In Bridge 'tween Decks	Depth and Thickness	750	800	10													
		Face Angles	9/5 Fl.															
		Lugs to Shell* liners..	90	90	11									19 95				
	In Awning, Shelter or Upper 'tween Decks.	Depth and Thickness																
		Face Angles																
		Lugs to Shell*																
OIL CARGO In/Hold.		Depth and Thickness	900	1350	12.5													
		Face Angles	180	90	12													
		Lugs to Shell* liners..	150	150	12.5									22 99				
		Brackets	650	650	12.5													
			From bds.															
			36 60															
			Between trans.															
			3050															
		* State if jogged or liners.																
NK 84D	Longitudinal Beams of L E	Bridge Deck ...	150	65	9.5									Spacing. 1050		In Ships. Plate. 250 x 9.5		
		Awg. or Shltr. Dk.													Angles. 250 x 9.5			
		Upper	230	90	11	150	95	8					460		800 x 10 L 150 x 9.5			
		Second													900 x 11 JL 150 x 9.5			
		Third																
		Transverse Beams.																