

## 1. Details

### <u>General</u>

Nationality:	Portuguese
Purpose:	Transport
Type:	Cargo ship
Propulsion:	Steam
Date built:	1911
Status:	Live 👭

## **Details**

Tonnage:	5668 grt	
Dimensions:	135 x 17.4 x 8.2 m	
Engine:	Triple expansion engine	
Power:	701 n.h.p. (nominal horsepower)	
Speed:	12.5 knots	
Yard no.:	848	
Call sign:	HDAM 📲 🔳 🔣	

Torpedo 28/04/1918

### About the loss

Cause lost:	
Date lost:	

## About people

Last	owner:		

[1] 💽	Transportes Maritimos Do Estado (Tme), Lisboa (Lisbon) SS Damão [+1918]
	period 1916 ~ 1918
	Call sign: HDAM 📑 💻 🚺 🗙

Prev. owners:

 [2] Deutsche Australische Dampfschiffs Gesellschaft, Hamburg
SS Brisbane
period 1911 ~ 1916

Builder:

😹 Swan, Hunter & Wigham Richardson Ltd., Wallsend

### About the wreck

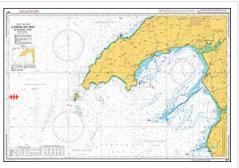
Depth:	83 max. / 67 min. (m)
Orientation:	0°
More info:	See more detailed info in the paragraph 'Hydrographic Report'

## <u>Updates</u>

Entered by:	Jan Lettens, 27/08/2008
Last update:	Avec43, 05/10/2012
Source:	www.wrecksite.eu/wrecks.aspx?69756

# 2. Position

Latitude:	52°45,335'N	
Longitude:	05°06,664'W	
System:	WGS84	
Reliability:	Good 40m~100m	
Remarks:	Method: HI-FIX 6 Parabolic Quality: Surveyed Accuracy: 25 m	
More info:	See more detailed info in the paragraph 'Hydrographic Report'	
Last update:	Jan Lettens, 01/10/2009	
References:	UK Hydrographic Office	



This is a thumbnail version of the chart Cardigan Bay - Northern Part. © UK Hydrographic Office by: Jan Lettens, 25/05/2011

# 3. History

Damao SS was a Portuguese cargo steamer of 5,668 tons built in 1911 by Swan, Hunter & amp; Wigham Richardson, Ltd., Newcastle and owned at the time of her sinking by Transportes Maritimos do Estado, Lisbon. On the 28th April 1918 she was torpedoed and sunk by German submarine U-91 (Alfred von Glasenapp) when 12 miles W of Bardsay Island, St. George's Channel when on route from New York for Liverpool with general cargo.

Last update: Allen Tony, 28/04/2009 References: www.uboat.net

\*\*ORIGINALLY GERMAN SS BRISBANE BEFORE REQUISITION. TORPEDOED BY GERMAN SUBMARINE U-91.

Last update:Jan Lettens, 01/10/2009References:UK Hydrographic Office

# 4. The Wreck Today

\*\*INS ON 1411 1824A., (DATE NOT KNOWN).

\*\*AMEND TO NDW. NE 1824A. (DATE NOT KNOWN).

\*\*H5141/53 14.8.53 AMEND TO NDWPA ON 1411.

\*\*27.10.72 AMEND TO WKS USCPA 60MTRS. NC 1971.

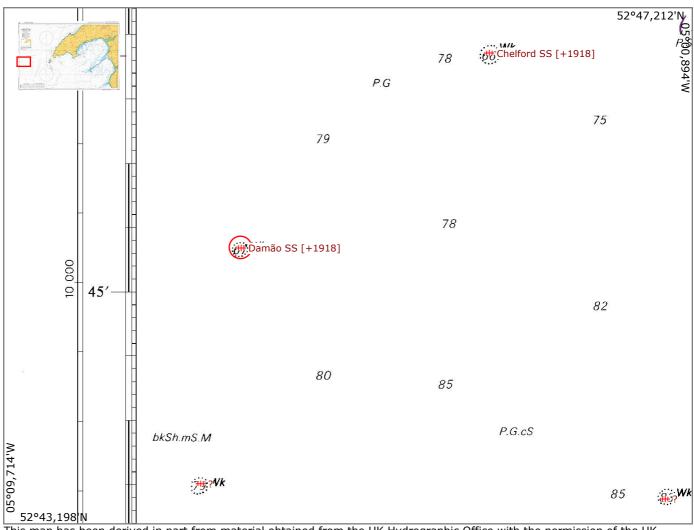
\*\*8.11.78 AMEND TO USCPA 60MTRS. NC 1411.

\*\*4.6.58 POSN GIVEN AS 524600N, 050800W. (M09548).

\*\*H1935/80 17.5.82 LARGE, INTACT, UPRIGHT WK EXAM'D 18.6.81 IN 524519N, 050636W [OGB] USING HIFIX/6 [2 LOP]. LEAST E/S DEPTH 68.4 IN GEN DEPTH 83MTRS. NO SCOUR. DCS3 HT 16MTRS. LYING 000/180 DEGS. SONAR LENGTH 130-140MTRS, APPROX. (HMS FAWN, HI 3). INS AS WK 67MTRS. BR STD.

Last update: Jan Lettens, 01/10/2009

# 5. Chart



## Cardigan Bay - Northern Part [BA1971]

This map has been derived in part from material obtained from the UK Hydrographic Office with the permission of the UK Hydrographic Office and Her Majesty's Stationery Office and custodian authorities © British Crown Copyright, 2017.

# 6. Hydrographic report

State	LIVE			
Wreck Number	9984 (UKHO ID)	Classificat		
Chart Symbol	WK 67.0	Status		
Existence Doubtful	NO	Reported \	'ear	
Date Last Amended	08/12/2000			
Charting Comments				
Wreck Category	Non-dangerous wrec	ck		
WGS84 Position	Latitude = 52°45'	.335 N Longitude	= 005°06'.664 W	
WGS84 Origin	3-D Cartesian Shift (	(BW)		
WGS84 limits				
Position	Latitude = 52°45'		- 005°06' 600 W	
Previous Position	Latitude = 52 45	Longitude		
Position Accuracy	25 m	Longitude		
Horizontal Datum	ORDNANCE SURVEY	OF GREAT BRITAIN	(1936)	
Position Last Amended	ORDINANCE SORVET	OF OREAT DRITAIN	(1990)	
Position	<b>Position Method</b>	HI-FIX 6 Parabolic	Position Quality	Surveyed
Limits			i obilion quanty	Sarveyea
Depth	Depth	67 m	Water Depth	83 m
	Depth Method	Found by side-scar	Depth Quality	Least depth known
Usisht	Usinht	sonar	During Height	
Height	Height		Drying Height	
Vertical Datum Wrecksite	Lowest Astronomical		Bottom Texture	
WIECKSILE	Water Level Effect	water/submerged	Bottom Texture	
Sonar Signal Strength				
Sensor	Original Sensor	Reported Sinking	Last Sensor	Acoustic Sensor
Conspicuous	Conspic Visual	NO	Conspic Radar	NO
Contact	Non-Sub Contact	NO	Contact	Entire wreck
			Description	
Name	DAMAO (POSSIBL	Y)		
Туре	STEAM SHIP	,		
Flag	PORTUGAL			
Tonnage	5668 Gross			
	Langth - 125 m	$D_{2} = 0.00 = 0.000$	Draught = 8.2 m	
Dimensions	<b>Length =</b> 135 m	<b>Beam =</b> 17.4 m		
Dimensions Date Sunk	28/04/1918	Beam = 17.4 m	<b></b>	
	-	Beam = 17.4 m		
Date Sunk	-		Last Detection	1981
Date Sunk Cargo	28/04/1918		-	1981 Survey Vessel
Date Sunk Cargo Detection Source	28/04/1918 Original Detection Original Source	<b>Year</b> 1918 	Last Detection Year Last Source	Survey Vessel
Date Sunk Cargo Detection	28/04/1918 Original Detection	<b>Year</b> 1918 	Last Detection Year Last Source	
Date Sunk Cargo Detection Source Sonar Dimensions Orientation	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	<b>Year</b> 1918 	Last Detection Year Last Source	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	<b>Year</b> 1918 	Last Detection Year Last Source	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	• <b>Year</b> 1918  40 m <b>Sonar Wid</b>	Last Detection Year Last Source th = Shao	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	• <b>Year</b> 1918  40 m <b>Sonar Wid</b>	Last Detection Year Last Source th = Shad	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	• <b>Year</b> 1918  40 m <b>Sonar Wid</b>	Last Detection Year Last Source th = Shao	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour	28/04/1918 Original Detection Original Source Sonar Length = 14 0°	Year 1918  40 m Sonar Wid n Scour Leng	Last Detection Year Last Source th = Shao	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH	Year 1918  40 m Sonar Wid m Scour Leng T & INTACT	Last Detection Year Last Source th = Shac	Survey Vessel
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91.	Year 1918  40 m Sonar Wid n Scour Leng T & INTACT	Last Detection Year Last Source th = Shad oth = Scou	Survey Vessel <b>Now Height =</b> 16 m ar Orientation =
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91.	Year 1918  40 m Sonar Wid n Scour Leng T & INTACT	Last Detection Year Last Source th = Shad oth = Scou	Survey Vessel Sow Height = 16 m The Orientation = FORPEDOED BY GERMAN SUBMARINE
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGHT ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1	Year 1918  40 m Sonar Wid n Scour Leng T & INTACT N SS BRISBANE BEI 824A., (DATE NOT K 53 AMEND TO NDW	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411.	Survey Vessel Sow Height = 16 m The Orientation = FORPEDOED BY GERMAN SUBMARINE
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGHT ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1 ** 27.10.72 AMEND	Year 1918  40 m Sonar Wid m Scour Leng T & INTACT N SS BRISBANE BEI 824A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971.	Survey Vessel Sow Height = 16 m The Orientation = FORPEDOED BY GERMAN SUBMARINE
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1 ** 27.10.72 AMEND	Year 1918  40 m Sonar Wid n Scour Leng T & INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDW) D TO WKS USCPA 60 TO USCPA 60MTRS	Last Detection Year Last Source th = Shad of the state of the state	Survey Vessel Sow Height = 16 m The Orientation = FORPEDOED BY GERMAN SUBMARINE
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1 ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GI	Year 1918  40 m Sonar Wid m Scour Leng T & INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0	Last Detection Year Last Source th = Shad of th = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548).	Survey Vessel Sow Height = 16 m The Orientation = TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGHT ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8. ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GIT ** H1935/80 17.5.3	Year 1918  40 m Sonar Wid m Scour Leng T & INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0	Last Detection Year Last Source th = Shad of th = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548).	Survey Vessel Sow Height = 16 m The Orientation = FORPEDOED BY GERMAN SUBMARINE
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8. ** 27.10.72 AMEND ** 4.6.58 POSN GI ** H1935/80 17.5.3 [OGB] USING	4 Year 1918  40 m Sonar Wid m Scour Leng T & INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS VEN AS 524600N, 0 82 LARGE, INTACT,	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D	Survey Vessel Now Height = 16 m TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 18.6.81 IN 524519N, 050636W
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1 ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GT ** H1935/80 17.5.3 [OGB] USING ** HIFIX/6 [2 LOP]	Year 1918  40 m Sonar Wid m Scour Leng T & amp; INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDWI D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0 82 LARGE, INTACT, I. LEAST E/S DEPTH	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D 68.4 IN GEN DEPTH 8	Survey Vessel Now Height = 16 m Ar Orientation = TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 9 18.6.81 IN 524519N, 050636W 83MTRS. NO SCOUR. DCS3 HT
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8.1 ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GT ** H1935/80 17.5.3 [OGB] USING ** HIFIX/6 [2 LOP]	Year 1918  40 m Sonar Wid m Scour Leng T & amp; INTACT N SS BRISBANE BEI 824A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS VEN AS 524600N, 0 82 LARGE, INTACT, LEAST E/S DEPTH 000/180 DEGS. SO	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D 68.4 IN GEN DEPTH 8	Survey Vessel Now Height = 16 m TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 18.6.81 IN 524519N, 050636W
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss Surveying Details	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8. ** 27.10.72 AMENU ** 8.11.78 AMEND ** 4.6.58 POSN GI ** H1935/80 17.5. [OGB] USING ** HIFIX/6 [2 LOP] 16MTRS. LYING INS AS WK 67M	Year 1918  40 m Sonar Wid m Scour Leng T & amp; INTACT N SS BRISBANE BEI 324A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0 82 LARGE, INTACT, I. LEAST E/S DEPTH 000/180 DEGS. SO TRS. BR STD.	Last Detection Year Last Source th = Shad of th = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D 68.4 IN GEN DEPTH 8 NAR LENGTH 130-140	Survey Vessel Now Height = 16 m TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 18.6.81 IN 524519N, 050636W 33MTRS. NO SCOUR. DCS3 HT MMTRS, APPROX. (HMS FAWN, HI 3).
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8. ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GF ** H1935/80 17.5.4 [OGB] USING ** H1935/80 17.5.4	Year 1918  40 m Sonar Wid m Scour Leng T & INTACT N SS BRISBANE BEI 824A., (DATE NOT K 53 AMEND TO NDW D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0 82 LARGE, INTACT, I. LEAST E/S DEPTH 000/180 DEGS. SO TRS. BR STD. n derived in part fror	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D 68.4 IN GEN DEPTH 8 NAR LENGTH 130-140 n material obtained fr	Survey Vessel Now Height = 16 m TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 9 18.6.81 IN 524519N, 050636W 33MTRS. NO SCOUR. DCS3 HT MTRS, APPROX. (HMS FAWN, HI 3). Tom the UK Hydrographic Office with
Date Sunk Cargo Detection Source Sonar Dimensions Orientation Magnetic Anomaly Debris Field Scour Markers General Comments Circumstances of Loss Surveying Details	28/04/1918 Original Detection Original Source Sonar Length = 14 0°  Scour Depth = 0 m  LARGE WK, UPRIGH ORIGINALLY GERMA U-91. ** INS ON 1411 18 KNOWN). ** H5141/53 14.8. ** 27.10.72 AMEND ** 8.11.78 AMEND ** 4.6.58 POSN GF ** H1935/80 17.5.4 [OGB] USING ** H1935/80 17.5.4	40 m Sonar Wid 40 m Sonar Wid 50 Sonar Wid 51 Sonar Wid 52 AMEND TO NDW 53 AMEND TO NDW 53 AMEND TO NDW 54 D TO WKS USCPA 60 TO USCPA 60MTRS. VEN AS 524600N, 0 54 LARGE, INTACT, 54 LARGE, INTACT, 54 LARGE, INTACT, 54 LARGE, INTACT, 55 LARGE, INTACT, 56 LARGE, INTACT, 57 LEAST E/S DEPTH 59 00/180 DEGS. SO TRS. BR STD. 59 derived in part from 50 UK Hydrographic (	Last Detection Year Last Source th = Shad gth = Scou FORE REQUISITION. T NOWN). AMEND TO N PA ON 1411. DMTRS. NC 1971. NC 1411. 50800W. (M09548). UPRIGHT WK EXAM'D 68.4 IN GEN DEPTH & NAR LENGTH 130-140 n material obtained fr Diffice and Her Majesty	Survey Vessel Now Height = 16 m TORPEDOED BY GERMAN SUBMARINE DW. NE 1824A. (DATE NOT 18.6.81 IN 524519N, 050636W 33MTRS. NO SCOUR. DCS3 HT MMTRS, APPROX. (HMS FAWN, HI 3).

# 7. About Owners - About Builders

### 😹 Swan, Hunter & Wigham Richardson Ltd.

From: Janes Fighting Ships 1919

SWAN. HUNTER & WIGHAM RICHARDSON, LTD. (WALLSEND-ON-TYNE), Twentyone building berths, fifteen of which are served by overhead electric cranes. Four berths covered in. Employees : about 8000. Annual gross shipbuilding capacity (1918) : 150,000 tons. Engine works : 100,000 H.P. output per year.

The dry docks dept, includes a large repairing yard with two graving docks and two floating docks. Engine works have developed the Neptune and Polar marine oil engines. Total area of works : 78 acres. Water frontage : 4000 ft. Shipyard also at Southwick-on-Wear, with three building berths. Allied firms are the Wallsend Slipway & Engineering Co., Ltd.. Wallsend ; Barclay. Curle & Co., Ltd., of Whiteinch, Govan. Elderslie and Glasgow.

Last update: Siert Ingo, 28/05/2014



interior view of the Neptune Engine Works © Unknown by: Carl Racey <sup>+</sup>, 03/03/2015

Transportes Maritimos Do Estado (Tme)

1914: Au moment de la déclaration de guerre, 72 navires allemands et 2 austrohongrois étaient ancrés dans des ports sous administration portugaise (dont 35 à Lisbonne), immobilisés par faute de garanties pour leur sécurité. 1916: Après 2 ans de négociations et hésitations, est créée cette entreprise d'état qui nationalise et remet sur le circuit maritime ces navires

1914: At the time of declaration of war, 72 German ships and two Austro-Hungarian were moored in ports under Portuguese administration (35 in Lisbon), immobilized by lack of guarantees for their safety. 1916: After two years of negotiations and hesitation, this state owned company was created to nationalize and put back on the circuit these vessels

1914: Al momento de la declaración de guerra, 72 barcos alemanes y 2 austrohúngaros estaban anclados en los puertos bajo administración portuguesa (35 en Lisboa), inmovilizados por falta de garantías para su seguridad. 1916: Después de 2 años de negociaciones y dudas, se creó esa empresa estatal que nacionalizó y colocó de nuevo en el circuito estas embarcaciones

1914: No momento da declaração de guerra, 72 navios alemães e 2 austrohúngaro eram ancorados em portos sob administração Portuguesa (35 em Lisboa), imobilizados por falta de garantias para sua segurança. 1916: Depois de 2 anos de negociações e hesitações, essa empresa foi criada para nacionalizar e repor essas embarcações a navegar

Last update: Avec43, 28/05/2014

# 8. Media

The pictures listed below can be found inside the img directory in the zip file

pic1.tif	Last update:	n Part sion of the chart Cardigan Bay - Northern Part. Jan Lettens, 25/05/2011 UK Hydrographic Office
pic2.jpg	•	o <b>tune Engine Works</b> Carl Racey †, 03/03/2015 Unknown
<u>pic3.jpg</u>	Swan Hunters Wallsen 1946 Last update: References: Copyrights:	d Lockett Graham, 12/02/2010 [1] Lockett Graham [2] www.sunderland.gov.uk Unknown
pic4.jpg	Swan, Hunter and Wig c.1918 Last update: Copyrights:	ham Richardson Carl Racey †, 09/12/2010 Unknown

# 9. References

### 9.1 AUTHOR, PERSON

9.1.1 Lockett Graham

### 9.2 COMPANY, MUSEUM, ORGANISATION, CLUB

### 9.2.1 UK Hydrographic Office

The UKHO provides nautical charts and navigational services of the world's oceans and ports to support world shipping, including the Royal Navy. Admiralty products and services have been developed over 200 years, and the UKHO uses the very latest techniques to continue to help protect lives at sea today.

## 9.3 WEBSITE

9.3.1 http://www.wrecksite.eu/wreck.aspx?69756

Ľ

### 9.3.2 www.uboat.net

On this site you will find all the German U-boats of both World Wars, their commanding officers and operations including all Allied ships attacked, technological information and much more.

### 9.3.3 http://www.sunderland.gov.uk