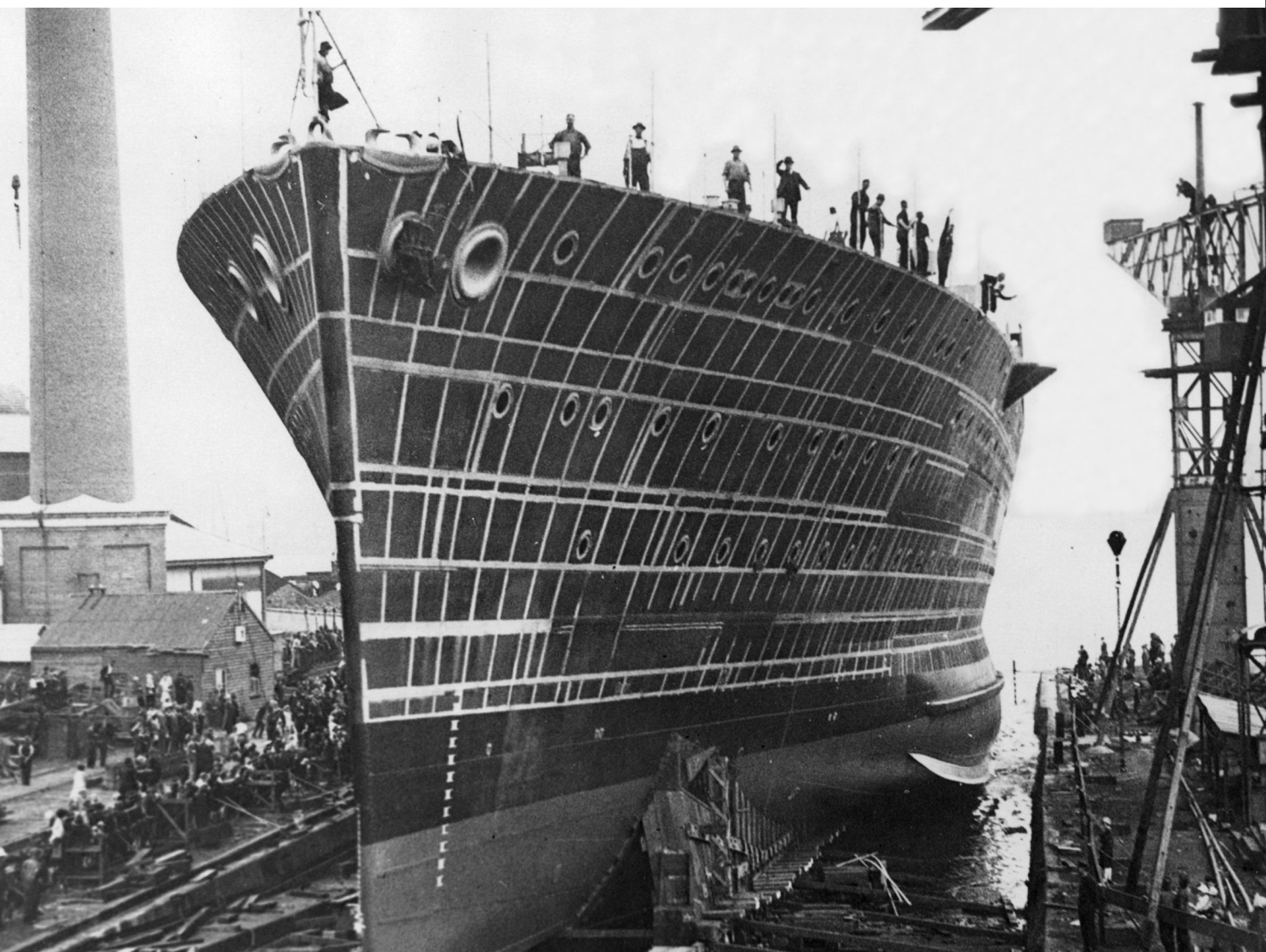


# Cockatoo Island Dockyard

A guide to the records



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This guide is number 13 in the series of Research Guides published by the National Archives of Australia.

For over 100 years Cockatoo Island was one of the busiest places in Sydney Harbour. Thousands of people worked at the dockyard and contributed their skills to the vessels that were built or refitted there. This comprehensive guide describes the records of that long period of activity, including the dockyard's history, facilities, ships, aircraft and fast boats. It also covers docking and launching records, photographs and publications. For those interested in the history and development of Australian ship building, this guide opens the way to a treasure trove of design and engineering information.

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Guides include the material known to be relevant to their subject area but they are not necessarily a complete or definitive guide to all relevant material in the collection.

The National Archives reviews its collection to confirm the value of records for research, evidential and other purposes or to identify, in consultation with agencies, records for destruction. At the time of publication all the records described in this guide were present in the Archives collection. However, it is possible that some of the records may be destroyed if they are reviewed and considered not to be of enduring value. If this occurs the guide will be revised accordingly.

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# Introduction

## The National Archives of Australia

The National Archives of Australia ensures that full and accurate records documenting Commonwealth Government activities are created and kept. From this massive body of information, the Archives selects, cares for and makes available to all those records of continuing value. This collection constitutes the archives of the Commonwealth Government – a vast and rich resource for the study of Australian history, Australian society and the Australian people.

The collection spans almost 200 years of Australian history. The main focus of the collection is material which documents Federal Government activities since Federation in 1901. There are also significant holdings of nineteenth-century records which relate to functions transferred by the colonies to the Commonwealth Government at the time of Federation and subsequently. The records described in this guide are a small but significant part of the collection.

Access to the National Archives collection is provided free of charge in public reading rooms located in each capital city. Researchers are assisted by specialist reference staff and are provided with reference tools to help them identify and use the records in the collection. These reference tools include the RecordSearch and PhotoSearch databases, guides, publications and fact sheets. Researchers unable to visit a reading room may seek information and help by telephone, mail, facsimile or email.

RecordSearch and PhotoSearch provide information about agencies, persons and series as well as descriptions of over two million individual records. They are available for online searching in reading rooms located in all offices of the National Archives, at the Australian War Memorial and on the National Archives website.

The National Archives website provides more information about the Archives, its collection and the services it offers. A visit to the site will help you determine whether the Archives holds records relevant to your research. Fact sheets on various topics are also available on the Archives website.

## About this guide

This guide lists records held by the National Archives – principally by the Sydney Office – and created by Cockatoo Dockyard Pty Ltd, previously known as: Government Dockyard-Biloela, Commonwealth Naval Dockyard, Cockatoo Island, Cockatoo Docks & Engineering Co. Pty Ltd and Vickers Cockatoo Dockyard Pty Ltd. This agency has been registered by the National Archives as CA 7228.

Records relating to Cockatoo Island Dockyard which were created by other Commonwealth agencies (eg the Australian Shipbuilding Board or the Navy Office) are also held by the National Archives. Some other archival institutions which hold relevant records are indicated below.

Records in this guide which were less than 30 years old at the time of the guide's preparation are included at series level for the sake of completeness and will usually be available for public access only when they reach 30 years of age.

## Using this guide

Series and items are listed within particular categories in chronological order. Where several series have the same date range, they are listed in the following hierarchy: drawings (as fitted, working, guidance, other); photographs; registers; indexes; lists; issue books; followed by any other records. Some series, for example registers and indexes, consist of single items while others consist of hundreds, or even thousands, of items. A brief description is provided for most series. More detailed information may be available in the National Archives database.

Please note that the items listed are examples only, and other relevant items may also exist. Item lists are available for the contents of most individual series, and may be requested from the Sydney Office of the National Archives.

The guide is arranged in the following chapters:

- The History of Cockatoo Island Dockyard
- Facilities and Docks
- Ships
- Aircraft and Fast Boats: Wing Commander Wackett's Unit
- Equipment and Technical Records
- Docking and Launching Records
- Electrical Records
- Calculating – Design – Planning Office Records
- Administrative Records
- Photographic Records
- Publications

In the largest chapter – Ships – major activities at the dockyard have been grouped together and listed in ship/job number order. The ship or job numbers were allocated by the dockyard, generally in chronological sequence. The chapter also presents a list of series relating to other individual ships for which ship or job numbers were not allocated. It also presents a list of series relating to ships in general.

Some series have been included in several chapters. For example, where a series of photographs relates to a specific vessel, the series will be cited in the section for that vessel as well as in the section listing series of photographs.

## Description of the records

Largely through the initiative of the Chief Executive of Cockatoo Dockyard Pty Ltd, Mr John Jeremy, a large body of historical records located at the dockyard in 1991 has been transferred to the National Archives. The Commonwealth was the major client of the dockyard for shipbuilding and maintenance and the majority of the

dockyard records related to Royal Australian Navy (RAN) vessels. The project of organising the records was undertaken jointly by the Department of Defence and the National Archives. This guide complements a book by Mr John Jeremy, *Cockatoo Island: Sydney's Historic Dockyard* (published by University of New South Wales Press, Sydney, 1998), and we would like to thank him for his assistance in preparing this guide.

Records created during the Commonwealth's administration of the dockyard, from 1913 to the end of February 1933, are the property of the Commonwealth and designated as Commonwealth records under the Archives Act 1983. Because of the close relationship that existed between Cockatoo Dockyard Pty Ltd and the Commonwealth, it was decided that many of the company's records (created after 1 March 1933) are of national significance.

Many company records were therefore transferred into the custody of the National Archives in conjunction with Commonwealth records. By the agreement, signed by Cockatoo Dockyard Pty Ltd and the Archives on 17 January 1992, the records, with the exception of those identified as 'company corporate', were donated to the Archives as the archival authority of the Commonwealth.

Those records created before 1 March 1933 were documented as Commonwealth records, indicated by 'C' prefixes to their series numbers. Those created after that date were described as corporate records, indicated by 'M' prefixes. Those record series which span the changeover date of 1 March 1933 contain both Commonwealth and corporate records, and have been allocated 'C' prefixes.

In fact, records listed in this guide are now Commonwealth records, as the result of the 1992 agreement.

Most of the records transferred to the National Archives were generated in the Technical Division of the dockyard, and resulted from the shipbuilding, repair and maintenance functions. Many records relating to the dockyard's establishment (buildings, facilities, plant, and the island itself) and held by the Production Office, were also transferred.

Few records from the nineteenth-century have survived. Of those which survive, most are plans of Cockatoo Island and its facilities, particularly of buildings and docks. Of interest also is a collection of drawings of bridges from various areas within New South Wales, some of which were apparently designed by Louis Samuel, the engineer who designed and supervised the construction of Sutherland Dock.

Employee and administrative records in the collection have been listed in Chapter 9. Unfortunately, few personnel records have survived and the personnel records which were current and semi-current at the close of the dockyard were not transferred.

## Drawing categories/functions

Drawings represent the majority of records listed in this guide. The following information explains the most common drawing types generated during the construction of vessels.

### Guidance drawings

These were provided by the client at the time of placing an order or later, for information and guidance in building, refit or repair work. They refer to similar or identical vessels built elsewhere and were provided for reference; they were not amended at Cockatoo Island Dockyard. For example, HMAS Success was based on a French design, and guidance plans from the French designers were provided to the dockyard by the Royal Australian Navy.

Although the drawings may have historical interest, they have no particular significance to the operations of Cockatoo Island Dockyard, and would be available from the originating company, or from the Navy in the case of naval vessels.

Only guidance drawings from the Commonwealth period (before 1 March 1933) have been included in the transfer to the National Archives.

### Working drawings

These were drawings prepared by the dockyard or copies (tracings) of drawings provided by the client (the Navy in most cases) and amended at Cockatoo Island Dockyard as necessary. They have some administrative value for current vessels or projects, but duplicates are probably held by the client. Generally there are at least three sets of working drawings, produced by the Hull and Ship Drawing Office, the Mechanical Drawing Office, and the Electrical Drawing Office.

They are of historic value as a record of work undertaken by the dockyard, and some (eg those of hull and arrangements) are likely to be of public interest, for example to model makers.

Included in the transfer to the National Archives for permanent retention are all drawings from the Commonwealth period, as well as those relating to general arrangements, cross-sections and exterior fittings, and all those of Tribal and Battle class destroyers. All other working drawings are to be retained for eighty years from the completion of the particular vessel.

### Standard drawings

These were provided by Vickers, the Admiralty, Garden Island Dockyard or Cockatoo Dockyard Pty Ltd (and its predecessors) for the manufacture of components at Cockatoo Island Dockyard or by subcontractors.

Those produced by the dockyard are to be retained permanently, as they are likely to be the masters and of historical value as examples of the work of the dockyard.

Those from Vickers UK are also to be retained permanently as they are probably the only copies in Australia. Those produced by Garden Island Dockyard or the Admiralty were not transferred to the National Archives, as the originals would be held at Garden Island Dockyard or by the Navy Office.

### As fitted, as made, selected record drawings

A set of as fitted or as made drawings (selected record drawings (SRDs) in the case of HMAS Success) was provided to a vessel after construction, refit or other work to reflect the true state of the ship at that point so that an up-to-date record was held on board. Drawings were a subset of important working drawings (eg general arrangement, machinery arrangements, system diagrammatics etc). A copy would have been supplied to the client, and a third copy was held by the dockyard. All drawings in this category have been transferred to the National Archives for permanent retention.

### Estimating drawings

These were copies (generally prints only) used by the Estimating Section to estimate costs of projects. These were not transferred to the National Archives; they have no unique historical value as they would have been held elsewhere at the dockyard and many relate to unsuccessful tenders.

### Establishment drawings

These relate to the topography of the island, buildings and plant. Many are hand-coloured originals of considerable historical value. All are to be retained permanently by the National Archives.

### Special project drawings

These relate to outside projects such as mine winders, a starch buck machine for Lifesaver Sweets Co., and part of the construction of Centrepoint Tower in Sydney. These have been retained to reflect the diversity of the dockyard's operations.

### Tooling drawings

These include drawings of tools designed and manufactured at or for Cockatoo Island Dockyard, eg for the manufacture of turbine blades. They are retained as having value in the history of engineering in Australia.

### Aircraft drawings

Included in the collection at Cockatoo Island Dockyard were drawings dating from the operations on the island of Commander (later Sir Lawrence) Wackett's unit which transferred from the RAAF Experimental Station at Randwick in 1929. No written records have survived, but the drawings of aircraft and high-speed boats



are of major historical interest and have been transferred to the National Archives for permanent retention.

## Records held elsewhere

Apart from the extensive records relating to Cockatoo Island Dockyard that are held in the National Archives Sydney Office, other offices of the National Archives as well as other institutions hold some relevant material. It is not within the scope of this guide to provide a complete list of these records, but some indication of the location of other records is given below. Inquiries should be directed to the relevant institution.

A preliminary search of the National Archives item level database yields a wide variety of items relating to Cockatoo Island Dockyard. Items listed on this database represent only a portion of the holdings, but they are useful in indicating agencies which have created records of possible interest. From items identified in this way it is possible to investigate particular record series which may contain other relevant items.

## National Archives in Canberra

A large quantity of records relating to the administration of Cockatoo Island Dockyard, transferred by agencies based in Canberra, is held in the Canberra Office of the National Archives.

Series cover such functions as general administration, employment, welfare and industrial disputes: from the Prime Minister's Department, the Departments of Home and Territories, Home Affairs, Defence, Social Services, Health, Repatriation, from the Federal Capital Territory Administrative Offices, and from the Office of the Governor-General.

Records relating to legal and financial matters are held from the following agencies: Attorney-General, Deputy Crown Solicitor's Office, the Prime Minister's Department, and the Department of the Treasury and the Department of Supply and Development, and among Cabinet papers.

Property and works records are held from the following agencies: Public Works Branch, Department of Works and Railways, and Property and Survey Branch.

There are a few items relating to security and customs, from the Department of Trade and Customs and successor agencies as well as from the Australian Security and Intelligence Organisation (ASIO). In addition, a few files relating to the construction of aircraft on the island are included in series from Air Services Branch and the Department of Defence.

## National Archives in Sydney

In addition to the records which are described in this guide created by Cockatoo Dockyard Pty Ltd and its predecessors, many items created by other agencies are held in the Sydney Office of the National Archives. These relate to employment

and industrial matters, from the Departments of Immigration, and Labour and National Service, and the Directorate of Manpower; to property and specifications, from the New South Wales Public Works Branch, and successor agencies, and the Department of Home Affairs, the Department of Lands and Survey and successor agencies; and to other general administrative matters, from the Captain-in-Charge, HM Australian Naval Establishments and successor agencies.

## National Archives in Melbourne

Records held in the Melbourne Office are mostly concerned with administrative matters. Most are from the Department of Navy and the Department of Defence in Melbourne, although the Department of Labour and National Service is also represented in the 1940s and 1950s in relation to employment and apprenticeship issues.

## Australian War Memorial

Some records relating to Cockatoo Island Dockyard have been identified in the collection at the Australian War Memorial in Canberra. These include photographs, reports and files.

## State Records Authority of New South Wales

Since the island was the responsibility of the New South Wales Government until 1913, records from the early period relating to the administration of dockyard operations, the convict penal establishment and the reformatory school are held by the Archives Authority of New South Wales. Records include those of the Civil Engineer, Dry Dock, Cockatoo Island; the Government Architect, the Colonial Architect and the Colonial Engineer; Public Works; the Colonial Secretary; the Principal Superintendent of Convicts and the Convict Classification Board; Corrective Services (Biloela Gaol); and the Government Medical Adviser.

## Australian National Maritime Museum

In addition to records and library material which may be of interest, the Museum has custody of two vessels constructed at Cockatoo Island Dockyard: the lightship Carpentaria 2 and the Daring class destroyer HMAS Vampire.

## State Library of New South Wales

Holdings of possible interest include newspapers, photographs, reports, books and manuscripts.

## Record descriptions

Each entry in the guide describes a group of records which have been maintained together as a series. A series is made up of items, which are often individual files (sometimes volumes, sets of cards, photographs, etc) that were received into custody by the National Archives from the creating agency or person. Series

usually consist of many items, but occasionally consist of just a few or even a single item.

The description for each series outlines its content and function. The entry concludes with a listing of selected items from the series. In some instances, particular series have been found to contain relevant material on multiple aspects of the dockyard's activities, and have been referred to several times. The full description of each series is given only on its first appearance. As a general rule, this guide identifies rather than analyses the records. Researchers should make their own assessment of the information content and value of any item.

More detailed information about the series, agencies and items described is available on the Archives database, which is available for online searching in each of the Archives reading rooms, at the Australian War Memorial and on the Archives website.

To fully understand a record it is helpful to know certain things about it in addition to its contents. It helps to know who created the record, when it was created and what other related records exist. This information provides the context of the record, which helps researchers interpret what the record is really about, determine its relevance, and decide how accurate or complete it might be. The National Archives documents this contextual information for each record in the collection using the Commonwealth Record Series (CRS) System.

❶	<b>ESTABLISHMENT DRAWINGS, 1906-79</b>	<b>C3456</b>
❷	<b>Quantity: 2.58 metres</b>	
❸	Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.	
❹	<b>Survey of Fitzroy dock No. 2, 1919</b>	<b>C3456, 262</b>

### Key

- ❶ This is the **series title** and the date range of the records that make up the series. The **series number** is shown on the right-hand side.
- ❷ This is the **total volume of records** in the series and the **location** where the series is held. If copies of records are held in other locations, this is indicated here.
- ❸ This is a brief **description of the series**.
- ❹ This is **the title given to the item by the person or agency** that created it. The dates of the earliest and latest document on the file are shown. The **item's identifying number** appears on the right-hand side. This number must be quoted when requesting a copy of the record or access to it.

### Access to the records

Not all items are available immediately for public access. Some may first require examination to ensure they do not contain information which remains sensitive (eg personal details). If individual items within a series have not been examined,

researchers apply for access to them and there may be a delay while the material is examined. If items are withheld from public access following this examination, reference staff will explain the nature of the information, why it has been withheld, and how to appeal against the decision.

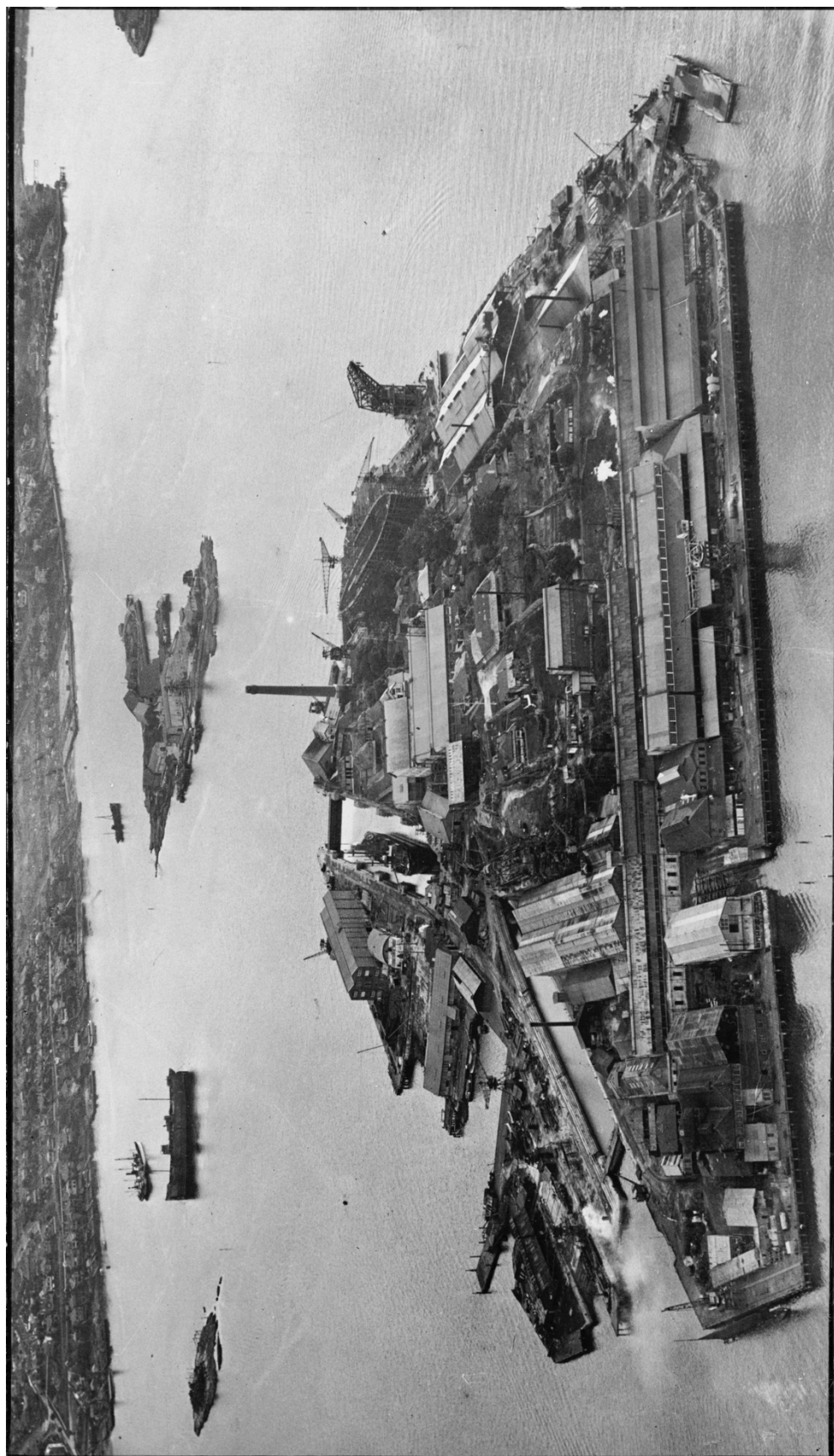
## Citing the records

The correct citation of archival records is important both when requesting them and when referring to them in written or published works. Using proper citations will not only help staff to more readily locate records, but will help other researchers to find that material.

The correct form of citation for records held by the National Archives of Australia is expressed as follows: the name National Archives of Australia followed by a colon; the series number followed by a comma; and then the item number. An example is

National Archives of Australia: C3290, 14

The name National Archives of Australia may be abbreviated to 'NAA' provided the full name has been used in the first citation.



Cockatoo Island, 1927  
National Archives of Australia: C4149,6

# 1 The History of Cockatoo Island Dockyard

The development of the city of Sydney, from the convict period to the growth of industrialisation in the twentieth century, is reflected in the history of Cockatoo Island.

Cockatoo Island, the largest island in Sydney Harbour, has been used by various colonial, state and federal administrations, first as a penal facility and later as a dockyard, since its initial European occupation in 1839.

From at least as early as 1870 the island was referred to as 'Biloela', an Aboriginal word for 'black cockatoo'. The dockyard's official title was 'Government Dockyard – Biloela' until its sale to the Commonwealth in 1913. From 1913 the official name of the dockyard was changed to 'Commonwealth Naval Dockyard, Cockatoo Island', and the use of 'Biloela' was confined to such items as the name of several vessels built at the dockyard (although one was named after the Queensland town, not the Island),<sup>1</sup> and the staff magazine 1976–91, *Biloela Bulletin*.

## New South Wales Government

The first construction occurred on the island in 1839 under the orders of Governor Gipps and consisted of a prison for convicts transferred from Norfolk Island.<sup>2</sup> Today five of the original buildings are intact, with varying degrees of modification. Among the notable achievements of the convicts was the construction of approximately twenty grain silos excavated from the solid sandstone bedrock, fourteen of which still exist today. Although the penal establishment was abolished in 1870, the island continued to be used as a reformatory for women until 1888. From 1888 to 1908 it was a prison for petty offenders, vagrants and prostitutes. In addition, a training ship for delinquent and orphan boys – the *Vernon*, followed by the *Sobraon* – was moored at the island between 1871 and 1911.

In 1845 the Governor, Sir George Gipps, recommended to the British Government that a dry dock be constructed using convict labour to service visiting vessels of the Royal Navy.<sup>3</sup> In 1847 the NSW Legislative Council approved the plan, and construction commenced in 1851. Fitzroy Dock, as it was named, took six years to construct and was 300 feet in length (later extended to 474 feet). The first ship to be docked was the brig HMS *Herald* in December 1857. This date is taken as the commencement of the operations of the dock, although the construction of the dock was still incomplete.

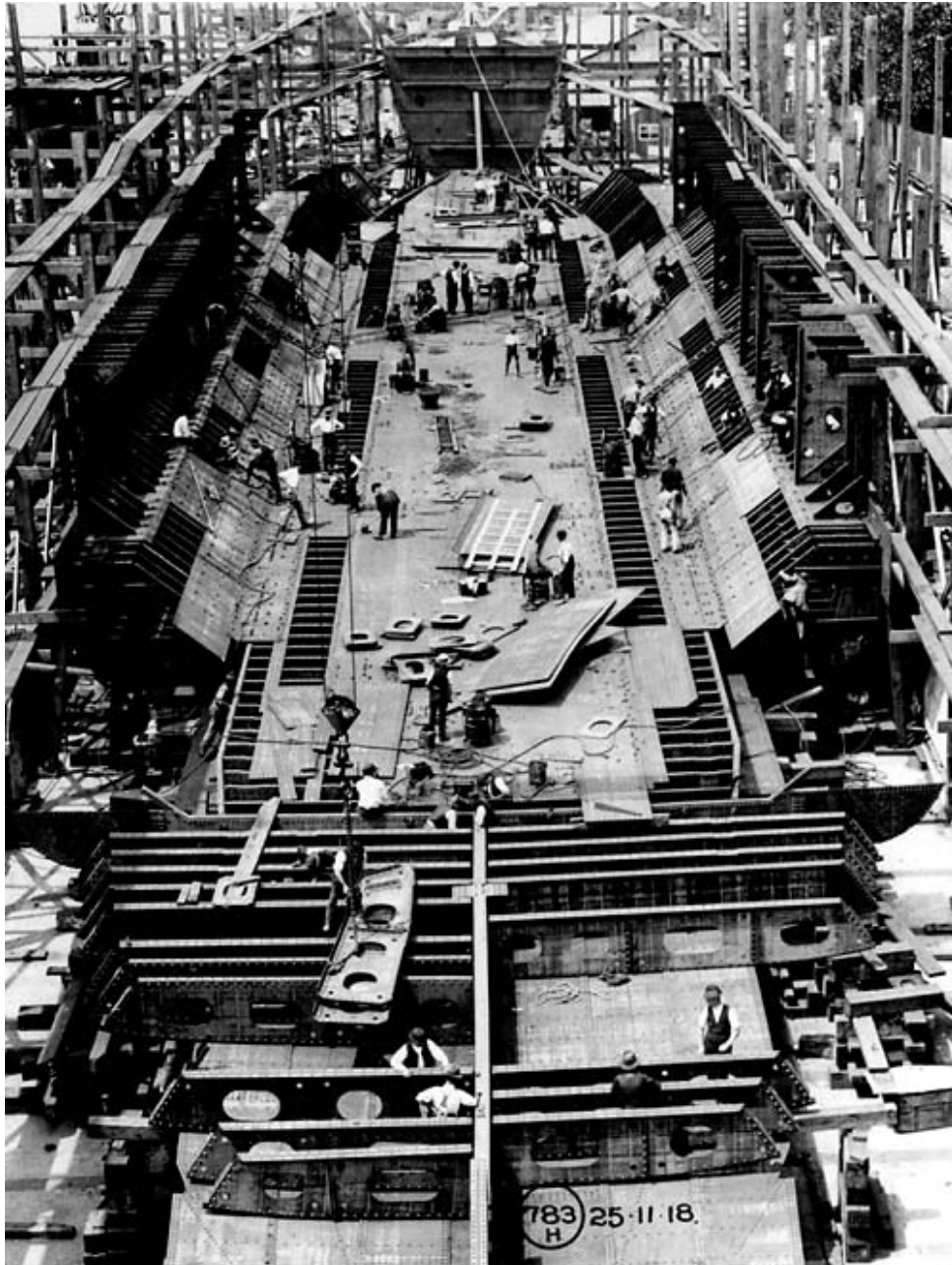
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<sup>1</sup> See J C Jeremy, *Cockatoo Island: Sydney's Historic Dockyard*, UNSW Press, Sydney, 1998.

<sup>2</sup> See J S Kerr, *Cockatoo Island: Penal and Institutional Remains*, National Trust of Australia, Sydney, 1984.

<sup>3</sup> See R G Parker, *Cockatoo Island: A History*, Thomas Nelson (Australia), Melbourne, 1977, p. 10.

In the early years the dockyard was administered by the prison superintendent, who reported to the Governor through the Colonial Secretary. After self-government was granted to the colony in 1856, the superintendent reported to the Legislative Council and the Premier. From 1870 the Fitzroy Dock and associated workshops came under the control of the NSW Harbour and Rivers Department. Many small vessels required for the Department's operations, such as dredgers, barges, tugs and punts, were produced for the NSW Government in addition to work undertaken for the British Government.<sup>4</sup>



RAN collier *Biloea* under construction at Cockatoo Island Dockyard in 1918  
NAA: C4150,23

<sup>4</sup> *ibid*, p. 19.

By 1870 it was clear that a larger dock was needed to service the ships visiting Sydney. By the time the last extension of the Fitzroy Dock was completed in 1880, the NSW Parliament had decided to build a new dock, suitable for the largest ships of the time.<sup>5</sup> Construction of the Sutherland Dock commenced in 1882 and was completed in 1890. It was built by free labour under the guidance of a young engineer, Louis Samuel, who died in 1887 at the age of 26. The work was completed under the supervision of his younger brother Edward.

For a short period Sutherland Dock was the largest dock in the world. It was lengthened in 1928 from 635 feet to 680 feet.<sup>6</sup>

Between 1904 and 1908 extensions were made to the shops and yard plant, new slipways were built, and cranes and other machinery were acquired. The formation of the Australian Navy (the Royal Australian Navy from 1911) opened the way for local construction of warships. The first Royal Australian Navy (RAN) warship built at Cockatoo Island was the destroyer HMAS *Warrego*, completed in 1912. *Warrego* was built in pieces in Scotland and re-assembled in Sydney.

## Commonwealth Government

The island was purchased from the NSW Government by the Commonwealth with effect from 31 January 1913, although the agreement was not signed until 1915. Construction facilities were expanded to undertake additional naval work, particularly after the outbreak of World War I in 1914. In December 1919, the workforce consisted of 4085 people, the highest number in the history of the dockyard.

Major shipbuilding activities during the Commonwealth period included construction of the torpedo boat destroyers HMAS *Huon*, *Torrens* and *Swan* (sister ships of *Warrego*); Town class cruisers HMAS *Brisbane* and *Adelaide*; cargo ships *Dundula*, *Eudunda*, *Fordsdale* and *Ferndale*; lighthouse steamers *Cape Leeuwin*, *Cape York* and *Cape Otway*; and the seaplane carrier HMAS *Albatross*. In addition, many other smaller vessels were constructed.

While under Commonwealth control, the dockyard was administered by the Naval Board (also known as Naval Board of Administration) from 1913 to 1921; the Shipbuilding Board of Control, Williamstown and Cockatoo Island from 1921 to 1923; and the Australian Commonwealth Shipping Board from 1923 to 1933.

By 1929, however, the Dockyard was finding it difficult to obtain sufficient work and by 1931 was struggling to recover costs. The Commonwealth tried, unsuccessfully, to lease the island to private industry in 1929.

Cockatoo Docks & Engineering Co. Ltd, Vickers Cockatoo Dockyard Pty Limited and Cockatoo Dockyard Pty Limited

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<sup>5</sup> op.cit, p. 12.

<sup>6</sup> op. cit, p. 17.



Finally, on 3 February 1933, Cockatoo Docks & Engineering Co. Ltd and the Australian Commonwealth Shipping Board signed an agreement, effective from 1 March 1933, to transfer dockyard operations to the company.<sup>7</sup> The lease was signed on 16 February 1935. The *Cockatoo Island Dockyard Agreement Act 1933* stated that:

the Board will grant to the Company the island situated in the harbour of Port Jackson (including all accretions thereto by way of reclamations) and containing an area of approximately thirty-seven acres one rood and twenty-three perches together with the dry docks, wharves, buildings, plant machinery, machines and apparatus...

The Australian Commonwealth Shipping Board's copy of the agreement is today held at the National Archives, Sydney.<sup>8</sup> The Prime Minister's departmental copy of the 1935 lease is held by the National Archives, Canberra.<sup>9</sup>

During the 1930s a modest naval shipbuilding program helped the new company build up the dockyard's operations. World War II was a very busy one at the dockyard, and many vessels were constructed and maintained, particularly for the Royal Australian Navy. A wartime agreement was signed in 1941 setting out the respective roles and responsibilities of the Commonwealth Government and the Company during wartime. The agreement remained substantially effective until 1954 when it was replaced by a trading agreement (signed on 16 May 1956). This was subsequently superseded by new agreements in 1963 and 1972.

In 1947 Vickers Holdings Pty Limited (the Australian holding company of Vickers Limited, UK) purchased Cockatoo Docks & Engineering Co. Pty Ltd. In 1972, the lessee company's name was changed to Vickers Cockatoo Dockyard Pty Ltd, and in 1978 Vickers Holding sold the company to their Australian subsidiary Vickers Australia Pty Limited. In 1984 Vickers Australia and the Commonwealth Steel Company Limited merged to form Comsteel Vickers Limited, and dockyard's name was changed to Cockatoo Dockyard Pty Limited. The company was often referred to simply as Codock, after the telegraphic address adopted in 1933.

On 1 January 1986, Cockatoo Dockyard Pty Limited was acquired by Australian National Industries Limited (ANI), a group of companies with a diverse range of holdings, primarily in the heavy engineering sector.

In April 1987, following an extensive review of defence facilities, the Minister for Defence, the Hon. Kim Beazley, announced the long-term restructuring of the Australian naval shipbuilding and ship repair industries which included the decision not to renew the lease of Cockatoo Island Dockyard after its expiry at the end of 1992. Cockatoo Island was listed in May 1987 as a Commonwealth asset to be sold.<sup>10</sup>

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<sup>7</sup> The Australian Commonwealth Shipping Board signed on behalf of the Commonwealth of Australia.

<sup>8</sup> See NAA series C72.

<sup>9</sup> NAA: CP806/1, BUNDLE 1/1.

<sup>10</sup> *Economic Review*, May 1987.

In June 1990, the Government reaffirmed its decision to sell the island and announced that no further Oberon class submarine refits would be placed with the dockyard. The Government's decision represented a continuation of its broad objective of rationalisation and modernisation of defence support industries. Much of the machinery at the dockyard was old and in need of replacement, and the cost of modernising the dockyard was considered prohibitive.

Cockatoo Island Dockyard was decommissioned on 31 December 1991, but Cockatoo Dockyard Pty Limited continued to exist for administrative purposes. On 1 January 1992, a new company, ANI Engineering Services Pty Limited, was formed to undertake care and custody of Cockatoo Island, and to liaise with the Commonwealth on matters related to the handover and sale of the island.

## Dockyard activities

After 1913 Cockatoo Island Dockyard had been involved in the construction, maintenance and refit of a large variety and number of both naval and maritime vessels. Notable among vessels constructed were:

1912–16	HMAS <i>Huon</i> , <i>Torrens</i> , <i>Swan</i> – torpedo boat destroyers. These ships were the first warships wholly built in Australia for the Royal Australian Navy.
1913–16	HMAS <i>Brisbane</i> – Town class cruiser
1917–22	HMAS <i>Adelaide</i> – Town class cruiser
1918–20	<i>Dundula</i> , <i>Eudunda</i> – cargo ships
1922–24	<i>Fordsdale</i> , <i>Ferndale</i> – refrigerated cargo steamers, the largest merchant ships ever built in Sydney.
1924–25	<i>Cape Leeuwin</i> , <i>Cape York</i> – lighthouse steamers
1926–28	HMAS <i>Albatross</i> – seaplane carrier, Australia's first aircraft carrier.
1930–31	<i>Cape Otway</i> – lighthouse steamer
1934–36	HMAS <i>Yarra</i> , <i>Swan</i> – escort sloops
1938–41	HMAS <i>Kookaburra</i> , <i>Koala</i> , <i>Kangaroo</i> , <i>Karangi</i> – boom defence vessels
1938–40	HMAS <i>Parramatta</i> , <i>Warrego</i> – escort sloops
1940–42	HMAS <i>Bathurst</i> , <i>Goulburn</i> , <i>Bendigo</i> , <i>Wollongong</i> , <i>Cessnock</i> , <i>Glenelg</i> , HMIS <i>Madras</i> , <i>Bengal</i> – minesweepers
1938–42	HMAS <i>Arunta</i> , <i>Warramunga</i> , <i>Bataan</i> – Tribal class destroyers
1941–43	<i>River Clarence</i> , <i>River Hunter</i> – cargo steamers
1942–46	HMAS <i>Barcoo</i> , <i>Barwon</i> – River class frigates
1944–50	HMAS <i>Tobruk</i> – Battle class destroyer

1946–59	HMAS <i>Voyager</i> , <i>Vampire</i> – Daring class destroyers. These were the first all welded warships built in Australia (with HMAS <i>Vendetta</i> , built in Victoria). Today <i>Vampire</i> is on display at the Australian National Maritime Museum in Sydney.
1947–49	<i>Wonga</i> , <i>Yelta</i> – steam tugs
1951–63	HMAS <i>Parramatta</i> , <i>Stuart</i> – Type 12 frigates
1962–65	<i>Empress of Australia</i> – passenger/vehicle ship, the largest ship of its type built in the world at that time.
1964–68	HMAS <i>Stalwart</i> – escort maintenance ship
1964–71	HMAS <i>Torrens</i> – destroyer escort
1974–77	<i>A S Mayne</i> – bucket dredge
1979–86	HMAS <i>Success</i> – fleet underway replenishment ship (AOR). <i>Success</i> is the largest naval vessel built in Australia to the beginning of the 21st century.

In addition to shipbuilding, a major task of Cockatoo Dockyard was ship repair and refitting. Between 1857 and 1991 some 12 000 vessels were docked or slipped at Cockatoo Island for repair or maintenance.

During World War II the dockyard was, for a time, the main ship repair base in the South Pacific. Early work during the war included the conversion of merchant ships for military service as armed merchant cruisers, supply and hospital ships. The Cunard liners *Queen Mary*, *Queen Elizabeth*, *Aquitania* and *Mauretania* were converted into troop ships by the dockyard during 1940. The work on *Queen Mary* was completed in only two weeks. Many other famous ships were worked on during the war years. Major repairs were completed to the US cruisers *New Orleans*, *Portland*, *Chester* and *Chicago*. In 1943 the Australian cruiser HMAS *Hobart* was torpedoed near Espiritu Santo. Severely damaged, the ship was repaired and modernised at Cockatoo Island between 1943 and 1945.<sup>11</sup>

After World War II Cockatoo modernised the destroyer HMAS *Arunta*, and converted two Q class destroyers to Type 15 anti-submarine frigates. Naval refits continued for the remainder of the dockyard's operation and the yard was particularly busy with refits during the Vietnam War, including the troop carrier (ex aircraft carrier) HMAS *Sydney*. On two occasions, in 1964 and 1969, new bows were fitted to the aircraft carrier HMAS *Melbourne* after her collisions with HMAS *Voyager* and USS *Frank E Evans*.<sup>12</sup>

Cockatoo Dockyard had a long association with submarines, starting as early as 1914 when HMA submarines *AE1* and *AE2* were docked in the Fitzroy Dock. Regular refits of Royal Navy T class submarines began in 1960, and after 1968

<sup>11</sup> op. cit, pp. 119–130.

<sup>12</sup> op. cit, pp. 130–142.

the main task of the dockyard was the refit, modernisation and maintenance of the RAN Oberon class submarines. New facilities (amongst the best in the world at the time) were built on the island for this work. Between 1968 and 1991 Cockatoo Dockyard completed 14 major refits (including major modernisations) and 68 dockings of these submarines.<sup>13</sup>

In addition to these activities, a wide range of heavy engineering work was undertaken. This included the manufacture of boilers and turbines for ships constructed at Cockatoo Island Dockyard and elsewhere. The dockyard also manufactured equipment for mines, dams and the Snowy Mountains Hydroelectric Scheme, and it even constructed part of Centrepont Tower in Sydney. The repair of steam turbines for power generation authorities and other industries in Australia and the Southwest Pacific was a major activity.

In 1930 Wing Commander (later Sir Lawrence) Wackett resigned from the Royal Australian Air Force (RAAF), and transferred to Cockatoo Island the design and construction activities formerly undertaken at the RAAF Experimental Station, Randwick. In the unit headed by Wackett, the aircraft *Southern Cross* was rebuilt, many early aeroplanes were designed and a few were constructed. Among these were the following aircraft types: Codock, Warbler, Widgeon I and Widgeon II, and Warrigal I and Warrigal II. Several speedboats and high-speed ferries with aeronautical engines were also designed. These included the hydroplanes *Century Tire II* and *Cettien*.

## Personnel and administration

Many thousands of people have worked at Cockatoo Dockyard during its long history. Under NSW operation, the numbers were in the hundreds, but the expansion of the Dockyard during World War I increased the number employed to over 3000. Employment fell during the 1920s, and during the Depression the number of employees fell to only a few hundred. By the early 1940s employment reached over 3000 once more, and it remained over 100 until the late 1980s when the run-down to closure began. The last peak in employment was in the early 1980s when some 2600 people worked on the island.

Training was also an important undertaking at Cockatoo Island, and many thousands of young men (and a few young women) completed their apprenticeships at the Dockyard, in a wide range of trades. Many went on to successful careers at all levels in industry throughout Australia.

The organisation of the management of the dockyard changed over the years reflecting the level of activity and changing management styles. Before the closure of the dockyard, the administration, under the Chief Executive, John Jeremy, had been divided into sections headed by a Financial Controller, a General Manager, Technical, a General Manager, Personnel, and a General Manager, Production.

The Financial Controller was responsible for Administration Services, the Contracts Department and the Accounting Office. Under the General Manager,

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<sup>13</sup> op. cit, pp. 143–160.

Technical were Quality Control, Ship/Hull, Mechanical and Electrical Drawing Offices, and Supply, Estimating and Planning Departments. The General Manager, Production was responsible for the Production Departments which carried out all production work on the island and included health and safety functions, as well as dockyard services and maintenance on the island.

Before the closure of the dockyard, the administration, under the Chief Executive, John Jeremy, had been divided into sections headed by a Financial Controller, a General Manager, Technical, a General Manager, Personnel, and a General Manager, Production (this position was not filled during 1991).

The Financial Controller was responsible for Administration Services, the Contracts Department and the Accounting Office. Under the General Manager, Technical were Quality Control, Ship/Hull, Mechanical and Electrical Drawing Offices, and Supply, Estimating and Planning Departments. The Production Office included health and safety functions, as well as dockyard services and construction on the island.

The Commonwealth maintained a permanent representative, the RAN Principal Naval Overseer, and his staff on the island as a liaison between the Company and the Navy. From 1950 to 1983 the Navy Office administered the lease through the Cockatoo Island Lease Supervisory Committee. Until 13 December 1984 the lease was administered through the Shipbuilding Division within the Department of Defence Support, and from that date by the Logistics Division within the Department of Defence.<sup>14</sup>

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<sup>14</sup> Information in this chapter has been drawn from John Jeremy, List of Ships Constructed on Cockatoo Island 1912 to 1991 (Unpublished; copy held as NAA: M3081); J S Kerr, Cockatoo Island: Penal and Institutional Remains, National Trust of Australia, Sydney, 1984; and R G Parker, Cockatoo Island: A History, Thomas Nelson (Australia), Melbourne, 1977.

## 2 Facilities and Docks

The term 'establishment' was used at the dockyard to describe the island itself, as well as buildings and fixtures such as the power station, wharves and docks and large machinery used in shipbuilding, such as cranes. Many buildings on the island have considerable heritage value. Some were built by convicts, while others are important in terms of Australian industrial history in the nineteenth and twentieth centuries.

Series are listed in chronological order within the following categories:

- Plant, buildings, topography
- Fitzroy dock
- Sutherland dock
- Caissons
- Floating docks
- Floating crane Titan
- Other cranes
- Power station
- Other dockyards and structures

### Plant, buildings, topography

Detailed drawings and photographs are held of the island itself, and the buildings and machinery used in shipbuilding. Some of the drawings are hand-coloured and of very fine quality. Unfortunately some drawings, particularly those dating from the nineteenth century, are very fragile.

#### **ESTABLISHMENT DRAWINGS, 1870–1988**

**C3539****Quantity: 38.35 metres**

Drawings are from the Production Office, which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**Launch driver's residence, 1912      C3539, E276****Biloela wharf, 1906      C3539, E138**

#### **DRAWINGS OF SUTHERLAND DOCK AND COCKATOO ISLAND, 1883–89**

**C3579****Quantity: 0.04 metres**

This is a collection of very large hand-coloured drawings of Sutherland dock and Cockatoo Island.

**FRAMED MAP OF COCKATOO ISLAND, 1892****C3690****Quantity: 0.18 metres**

This single, large-framed, hand-coloured map of Cockatoo Island was signed by the Engineer-in-Chief for Harbours and Rivers. The signature is unclear but it is thought to be C S Darley. Buildings and topographical details are marked.

**'ARCHIVES FILES', 1898–1979****C3298****Quantity: 4.23 metres**

This is a collection of photographic prints, most in black and white, selected by dockyard administrative staff from the larger series of prints (M2669). Photographs appear to have been selected because of their historical or administrative interest. They include activities during World War I and World War II, ship repairs and refits, reconstruction and modernisation of the dockyard during the 1960s and 1970s, visits by dignitaries, functions held at the dockyard, and nineteenth century boilers and turbines. An incomplete diary kept by the manager of the dockyard in 1948 and photographic copies of etchings from the mid-nineteenth century are unusual inclusions.

**PHOTOGRAPHS OF COCKATOO ISLAND CONSTRUCTION SITES AND WORKS, BY 1898–1989****C4149****Quantity: 0.48 metres**

The photographs depict various construction sites and aspects of Cockatoo Island including several aerial and some panoramic views. While photographs are mainly black and white and proof sheets, some colour prints and negatives are included.

**ESTABLISHMENT DRAWINGS, 1906–79****C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Flagstaff for island, 1914    C3456, 72****Plan of island showing proposed works 1914–15, 1915    C3456, 86****Cockatoo Island, 1932    C3456, 397****INDEX TO ESTABLISHMENT DRAWINGS, 1906–79****C3645****Quantity: 0.09 metres**

This single volume provides an alphabetical index to establishment drawings contained in series C3456.

**ESTABLISHMENT DRAWINGS, 1909–43****C3316****Quantity: 1.44 metres**

This series includes drawings of various structures on Cockatoo Island, including wharves, water towers and lifts, as well as floor plans for workshops, and machinery drawings.

**Extensions to turbine shop, 1915      C3316, E16****Layout of buildings on Cockatoo Island, 1915      C3316, E1170****ESTABLISHMENT DRAWINGS, 1910–32****C3582****Quantity: 0.18 metres**

These six drawings, and four notices, do not belong to any identifiable series. Most drawings relate to Sutherland dock on the island.

**Sydney Sutherland dock, 1910      C3582, 1****Commonwealth Naval Dockyard, Sydney, 1914      C3582, 2****Modified semaphore, 1915      C3582, 3****Sutherland Number 1 dock, showing ground plan of rails hydrants, bollards etc, 1929      C3582, 4****Fitzroy dock, 1932      C3582, 5****Entrance to number 1 dock, undated      C3582, 6****Electrical Drawing Office notices, 1917      C3582, 7****ELECTRICAL WORKING DRAWINGS FOR THE POWER STATION, 1913–20  
C3544****Quantity: 4.40 metres**

Included among these are drawings of switchboards, wiring, fire systems, generators and circuits.

**BOOK LISTING MACHINERY AND PLANT IN USE, 1913–33****C3490****Quantity: 0.25 metres**

This series consists of an accounting-type book listing machinery and plant in use at Cockatoo Island Dockyard. In addition to the lists, it includes a table of contents and an alphabetical index.



**ALBUMS CONTAINING PHOTOGRAPHS TAKEN ON COCKATOO ISLAND DOCKYARD,  
1913–71 C3259****Quantity: 3.37 metres****ESTABLISHMENT FORGING SKETCHES FOR MACHINERY, EQUIPMENT AND FITTINGS,  
1915–33 C3510****Quantity: 0.9 metres**

These forging sketches relate to equipment, machinery and fittings that form part of the establishment or fixtures of the island. The sketches are the details of parts of those fixtures.

**FRAMED PHOTOGRAPHS AND CERTIFICATES, 1915–84 C3511****Quantity: 13.5 metres**

This series relates to ships built on the island, launchings of these vessels, equipment and machinery, personnel, aerial photographs of the island, and a cartoon. Also included are two framed certificates of appreciation.

**ELECTRICAL ESTABLISHMENT DRAWINGS OF POWER STATION PUMPS, 1916–68  
C3553****Quantity: 0.18 metres**

These electrical drawings cover such items as hydraulic pumps and valves, the Ruwolt hydraulic pump, main pump panels and details, layout of pipes, cables to main pumps etc.

**ELECTRICAL ESTABLISHMENT DRAWINGS, 1917–85 C3543****Quantity: 4.32 metres**

These drawings relate to the establishment (plant and buildings) at Cockatoo Island Dockyard.

**Tower for electric cables, 1913 C3543, C18****Motor driven siren, 1914 C3543, C26****Power cable, Sydney Harbour, undated C3543, C234****REGISTER TO ELECTRICAL ESTABLISHMENT DRAWINGS, 1917–85 C3643****Quantity: 0.09 metres**

**SCHEDULE OF DRY DOCKS, WHARVES, BUILDINGS, PLANT, MACHINERY, MACHINES  
AND APPARATUS ON OR USED AT COCKATOO ISLAND, 1928 C3507****Quantity: 0.09 metres**

This booklet is a Commonwealth publication which was distributed to companies submitting tenders for leasing the island. It describes in detail the facilities, machinery and services available, providing a general description of the island, with information on the wharves and slipways, offices, docks, residences, workshops, cranes and machinery.

**REPORTS ON CONDITION AND STATE OF PRESERVATION OF BUILDINGS, WHARVES,  
DOCKS AND PLANT, 1934–40 M2670****Quantity: 0.45 metres**

These five reports provide an overall account of the condition, repairs to and state of preservation of the buildings, machinery, workshops, wharves, etc at Cockatoo Island Dockyard.

**Cockatoo Island Dockyard – report on inspection of buildings, wharves, etc,  
1934 M2670, 1/1**

**Cockatoo Island Dockyard – condition and state of preservation of buildings,  
wharves, docks, plant, etc, 1934 M2670, 1/2**

**Condition and state of preservation of buildings, wharves, docks, plant, etc,  
1936 M2670, 2**

**Condition and state of preservation of buildings, wharves, docks, plant, etc,  
1938 M2670, 3**

**Annual inspection of buildings, 1940 M2670, 4**

**PHOTOGRAPH ALBUM DEPICTING ACTIVITIES AT COCKATOO ISLAND, BY 1935–36  
M3409****Quantity: 0.45 metres**

Each page of this album contains a single large photograph, with a hand-printed black ink label underneath. Only two are dated: 28 March 1935 and 28 March 1936. The photographs, taken by Mr Alan Evans, depict heavy machinery; panoramic and aerial views of the island; ships at sea, under construction, in or entering dock, and being launched.

**BOOK LISTING DOCK AND SLIP PLANS, 1940–54 M3286****Quantity: 0.09 metres**

**LEDGER OF PLANT AND EQUIPMENT, 1942–54****M3204****Quantity: 0.36 metres****ELECTRICAL ESTABLISHMENT DRAWINGS, 1942–77****M3085****Quantity: 1.98 metres****ELECTRICAL ESTABLISHMENT DRAWINGS OF NEW SITE AND MAINS PLANS, 1947–71****M3086****Quantity: 0.18 metres****FOLDER OF DRAWINGS OF SHOP LAYOUTS, SINGLE NUMBER SERIES, 1960–68****M3162****Quantity: 0.09 metres**

Drawings are of the iron and brass foundries, toolroom and bladeroom, boilermakers' school, bolt, rivet and other shops.

**ARCHITECTURAL AND STANDARD DRAWINGS CONCERNING REFIT FACILITIES, 1968–70****M3022****Quantity: 1.08 metres**

These drawings concern the construction of submarine refit facilities at Cockatoo Island Dockyard in the late 1960s when the dockyard began the refit of O class submarines.

**MOUNTED PHOTOGRAPHS, 1970–88****M3131****Quantity: 0.30 metres**

These are miscellaneous photographs mounted on board or pressed foam, probably for publicity or promotion purposes. Subjects range from vessels, operations and facilities at the dockyard to other topics indirectly connected with Cockatoo Island.

**BUILDING AND EQUIPMENT SPECIFICATION FOLDERS, 1976–89****M3414****Quantity: 0.18 metres****PATENT SLIP PREPARATIONS BOOK, 1984–89****M3287****Quantity: 0.18 metres**

**ALBUM OF COLOUR PHOTOGRAPHS OF MACHINERY, 1991****M3212****Quantity: 0.02 metres**

This album contains coloured photographs of machinery located on Cockatoo Island. Items depicted were considered to have heritage value at the time of the closure of the dockyard, and a commercial bureau was engaged for the project. Included among the photographs are cranes, benders, lathes, presses, rolls, cutters, hoists and other heavy machines.

**COLOUR PHOTOGRAPHIC PRINTS OF MACHINERY, 1991****M3214****Quantity: 0.18 metres**

These 182 colour prints are larger prints of photographs in series M3212.

**FOLDER OF PHOTOGRAPHIC COLOUR NEGATIVES OF MACHINERY, 1991  
M3213****Quantity: 0.09 metres**

These negatives relate to prints held in series M3212 and series M3214. See the description of series M3212 above for further information.

**Fitzroy dock**

Fitzroy dock was constructed with convict labour as a dry dock between 1851 and 1857. It was named after the Governor Sir Charles FitzRoy who laid the keystone of the dock sill arch in 1853. The engineer-in-chief responsible for construction was Captain Gother Kerr Mann, former NSW Commissioner of Railways. He lived on the island for ten years in a stone house which is still standing. He became, for a time, superintendent of convicts. The first ship docked was HMS *Herald* in December 1857.

**DRAWINGS OF FITZROY DOCK, C. 1870–1912****C3658****Quantity: 0.02 metres**

This series consists of two tubes of drawings marked B124 and B137. The dates of the drawings are unknown. The Fitzroy dock and maintenance workshops came under the control of the NSW Harbour and Rivers Department in 1870 and were transferred to the Commonwealth on 1 January 1913.

**ESTABLISHMENT DRAWINGS, 1870–1988****C3539****Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**Plan of Fitzroy dock showing alteration, 1883      C3539, 3A****Proposed renovation to Fitzroy dock, 1945      C3539, C6/604****ESTABLISHMENT DRAWINGS, 1906–79****C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Survey of Fitzroy dock No. 2, 1919      C3456, 262****ESTABLISHMENT DRAWINGS, 1909–43****C3316****Quantity: 1.44 metres**

Drawings in this series are of various structures on Cockatoo Island, including wharves, water towers and lifts, as well as floor plans for workshops and machinery drawings.

**Pumping plant suction tunnel from pump to Fitzroy dock, undated      C3316, E405****ESTABLISHMENT DRAWINGS, 1910–32****C3582****Quantity: 0.18 metres**

Most drawings relate to Sutherland dock on the island.

**WORKING DRAWINGS OF CAISSON FOR FITZROY DOCK, 1931–33****C3397****Quantity: 0.18 metres**

The drawings contain information on the midship section, watertight bulkheads, plate edges, framing section, upper and lower deck planning, lines, framing expansion, shell expansion, upper and lower stringers, valves, ventilation and offsets, etc.

**Midship section, 1932      C3397, 2****Upper and lower decks, 1931      C3397, 6****Docking, 1932      C3397, 20****Sutherland dock**

Sutherland dock was constructed as a dry dock between 1882 and 1890 under the supervision of the engineer Louis Samuel to supplement the capacity of the smaller Fitzroy dock. It was named after the Minister of Works in the Parkes Government. Its gate or caisson was originally operated by a steam-driven engine, but later changed to an electric motor in 1915. The dock has been modified several times since then – in 1913 to accommodate the battle cruiser HMAS *Australia* and in 1927 for the docking of the cruisers HMAS *Australia* and *Canberra*.

**ESTABLISHMENT DRAWINGS, 1870–1988****C3539****Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**Extension to Sutherland dock, 1926      C3539, E229****Sutherland dock capacity diagrams, 1915      C3539, W173****Sutherland dock – showing midship section of HMAS *Australia*, 1913  
C3539, 33****DRAWINGS OF SUTHERLAND DOCK AND COCKATOO ISLAND, 1883–89****C3579****Quantity: 0.04 metres**

Some drawings included in this collection of very large hand-coloured drawings relate to Sutherland dock.

**CHART OF TENDERS TO CONSTRUCT SUTHERLAND DOCK, 1884****C3689****Quantity: 1 metre**

This chart records details of tenders for constructing Sutherland dock at Cockatoo Island. Details of fifteen tenders were recorded, broken down into parts of the job, and totals for each. The item, on linen backed paper, is dated 12 February 1884.

**PHOTOGRAPHS OF COCKATOO ISLAND CONSTRUCTION SITES AND WORKS, BY 1898–1989****C4149****Quantity: 0.48 metres**

The photographs depict various construction sites and aspects of Cockatoo Island including several aerial and some panoramic views. While photographs are mainly black and white and proof sheets, some colour prints and negatives are included.

**ESTABLISHMENT DRAWINGS, SINGLE NUMBER SERIES, 1906–79****C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Plan and alterations to Sutherland dock, 1915**      **C3456, 85**

**Sutherland dock showing HMAS *Australia*, Sydney, Huon, 1919**      **C3456, 296**

**ESTABLISHMENT DRAWINGS, 1909–43****C3316****Quantity: 1.44 metres**

Drawings in this series are of various structures on Cockatoo Island, including wharves, water towers and lifts, as well as floor plans for workshops and machinery drawings.

**Water service connections for flooding magazines of warships in Sutherland dock, 1928**      **C3316, E1184**

**ESTABLISHMENT DRAWINGS, 1910–32****C3582****Quantity: 0.18 metres**

Most drawings relate to Sutherland dock on the island.

**PHOTOGRAPH ALBUM DEPICTING ACTIVITIES AT COCKATOO ISLAND, BY 1935–36  
M3409****Quantity: 0.45 metres**

Each page of this album contains a single large photograph, with a hand-printed black ink label underneath. Only two are dated: 28 March 1935 and 28 March 1936. The photographs, taken by Mr Alan Evans, depict heavy machinery; panoramic and aerial views of the island; ships at sea, under construction, in or entering dock, and being launched. Several photographs of ships in Sutherland dock are included.

**FOLDERS OF INFORMATION RELATING TO NEW CAISSON AT SUTHERLAND DOCK, 1967–79  
M3278****Quantity: 0.09 metres**

The two folders in this series contain correspondence, memoranda and drawings relating to a new caisson for Sutherland (No. 1) dock at Cockatoo Island Dockyard.

**AS FITTED DRAWINGS OF SUTHERLAND DOCK CAISSON, 1976****M3277****Quantity: 0.09 metres**

The as fitted drawings of the Sutherland dock caisson at Cockatoo Island Dockyard, dated 1976, were copied from original drawings dating from 1972.

**OPERATING INSTRUCTIONS FOR SUTHERLAND DOCK CAISSON, 1976  
M3203****Quantity: 0.45 metres****Caissons**

Caissons or gates are an essential element in the operation of dry docks to regulate the water level within the docks. Both Fitzroy dock and Sutherland dock were fitted with caissons which over the years had to be serviced or replaced.

**ESTABLISHMENT DRAWINGS, 1870–1988****C3539****Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**Plan of Fitzroy dock caisson, 1872****C3539, 11A****Cockatoo Island caisson – general arrangement, 1888****C3539, 4472**



**ESTABLISHMENT DRAWINGS, 1906–79****C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Outline of caisson, Sutherland dock, 1946      C3456, 438****WORKING DRAWINGS OF CAISSON FOR NUMBER 1 SLIPWAY, 1914–16****C3396****Quantity: 0.18 metres**

Drawings contain information on general arrangement, side planking and sheathing, girders, deck fittings and ring bolts, specifications, permanent ballast, pumping and flooding arrangement launching diagram, integrated sections and gangways, etc.

**General arrangement, 1915      C3396, 1A****Details of gangways, 1915      C3396, 15****WORKING DRAWINGS OF CAISSON FOR FITZROY DOCK, 1931–33****C3397****Quantity: 0.18 metres**

The drawings contain information on the midship section, watertight bulkheads, plate edges, framing section, upper and lower deck planning, lines, framing expansion, shell expansion, upper and lower stringers, valves, ventilation and offsets, etc.

**FOLDERS OF INFORMATION RELATING TO NEW CAISSON AT SUTHERLAND DOCK, 1967–79****M3278****Quantity: 0.09 metres**

The two folders in this series contain correspondence, memoranda and drawings relating to a new caisson for Sutherland (No. 1) dock at Cockatoo Island Dockyard.

**AS FITTED DRAWINGS OF SUTHERLAND DOCK CAISSON, 1976****M3277****Quantity: 0.09 metres**

The as fitted drawings of the Sutherland dock caisson at Cockatoo Island Dockyard, dated 1976, were copied from original drawings dating from 1972.

**OPERATING INSTRUCTIONS FOR SUTHERLAND DOCK CAISSON, 1976****M3203****Quantity: 0.45 metres**

## Floating docks

Floating docks at Cockatoo Island Dockyard included the Admiralty floating dock *AFD17* which operated from the 1940s and *Vickdock 30* for small craft for which construction commenced in late 1979. The *Vickdock 30* was not used at the dockyard apart from trials, after which it was sold.

### ESTABLISHMENT DRAWINGS, 1906–79

**C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Admiralty floating dock (XVIII) general arrangement (as fitted), 1946**  
**C3456, 437**

**Position floating dock AFD Sutherland dock, 1950**      **C3456, 446**

### AS FITTED DRAWINGS OF ADMIRALTY FLOATING DOCK NUMBER 17, 1942–45 M3002

**Quantity: 0.09 metres**

The information provided by these eight linen drawings of AFD 17 includes water service, ventilation and mooring arrangements, centring of ships, watertight compartments, and a diagram of compartments.

**Mooring arrangement, 1943**      **M3002, 10**

**Arrangement of centring of ships, 1942**      **M3002, 14**

### AS FITTED AND WORKING ELECTRICAL DRAWINGS OF FLOATING DOCK XVII, 1942–46 M3083

**Quantity: 0.54 metres**

The working drawings in this series were used for the construction of floating dock XVII and show the electrical arrangement and details of the dock as it was on completion. Most drawings were produced by the Electrical Drawing Office at Cockatoo Island Dockyard, and relate to the motor generator, pumps, circuits and portal cranes.

**Lighting, 1942**      **M3083, 2**

**Admiralty floating dock XVII – general arrangement, 1946**      **M3083, 101**

### BOOK RECORDING TANK READINGS OF THE FLOATING DOCK, 1946–58 M3284

**Quantity: 0.09 metres**

**VOLUME RECORDING SHORES INFORMATION FOR THE FLOATING DOCK, 1946–65  
M3282****Quantity: 0.09 metres**

This book appears to record measurements of individual vessels and shoring required for docking at the floating dock at Cockatoo Island Dockyard.

**Floating crane *Titan***

The 150 ton floating crane *Titan* was built in England and assembled at Cockatoo Island Dockyard in 1918–19. It was used in the construction and refitting of vessels at the dockyard, particularly during World War II, and also in the construction of bridges in Sydney Harbour and power station machinery. Following the closure of the dockyard in 1991, the crane was sold to a private company. It capsized off the north coast of New South Wales on 25 December 1992 while being towed to Singapore.

**ESTABLISHMENT DRAWINGS, 1870–1988****C3539****Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**Crane pontoon elevation plan, 1916      C3539, No 1****Operator's cabin, 1917      C3539, 9528–30****ESTABLISHMENT DRAWINGS, 1906–79****C3456****Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Crane *Titan* in no. 1 dock, 1922      C3456, 503****ESTABLISHMENT DRAWINGS, 1909–43****C3316****Quantity: 1.44 metres**

Drawings in this series are of various structures on Cockatoo Island, including wharves, water towers and lifts, as well as floor plans for workshops and machinery drawings.

**150 electric floating crane [*Titan*] showing machinery gearing, 1917  
C3316, E1355****150 ton electric floating crane [*Titan*], 1917      C3316, E1372**

**WORKING DRAWINGS OF FLOATING CRANE TITAN (COCKATOO DOCKYARD JOB NUMBER 57), 1915–26 C3410**

**Quantity: 0.36 metres**

These drawings contain information on general arrangement, elevation, lines plan, decks piping arrangement, sea valves, engine seatings, shell expansion and midship section.

**Elevation, 1916 C3410, 1**

**Launching arrangements, 1917 C3410, 32**

**General arrangement, 1917 C3410, 53**

**FRAMED PHOTOGRAPHS AND CERTIFICATES, 1915–84 C3511**

**Quantity: 13.5 metres**

This series relates to ships built on the island, launchings of these vessels, equipment and machinery, personnel, aerial photographs of the island, and a cartoon. Also included are two framed certificates of appreciation.

***Titan* crane and unidentified vessel, undated C3511, NN**

***Titan* crane, *Strathnaver* and Harbour Bridge, undated C3511, NN**

**ELECTRICAL WORKING DRAWINGS OF FLOATING CRANE TITAN (COCKATOO DOCKYARD JOB NUMBER 57), 1916–25 C3547**

**Quantity: 0.36 metres**

Examples include:

**Elevation and plan, 1915 C3547, 18**

**Lighting and sundry fittings – arrangement, 1917 C3547, 56**

**LOG BOOKS FOR FLOATING CRANE TITAN (COCKATOO DOCKYARD JOB NUMBER 57), BY 1923–89 C3527**

**Quantity: 0.36 metres**

The log books in this series provide a record of the daily workings and jobs carried out by the floating crane Titan. Typical handwritten entries cover such items as when the motors were started, the time the crane left the dock and its destination, the type of work undertaken on that day, any problems encountered or repairs.

**PHOTOGRAPH ALBUM DEPICTING ACTIVITIES AT COCKATOO ISLAND, BY 1935–36  
M3409****Quantity: 0.45 metres**

Each page of this album contains a single large photograph, with a hand-printed black ink label underneath. Only two are dated: 28 March 1935 and 28 March 1936. The photographs, taken by Mr Alan Evans, depict heavy machinery; panoramic and aerial views of the island; ships at sea, under construction, in or entering dock, and being launched. The album includes a photograph of the floating crane, *Titan*, with the *Lady Southern Cross*.

**FILES RELATING TO FLOATING CRANE TITAN (COCKATOO DOCKYARD JOB NUMBER 57),  
BY 1958–81 M3089****Quantity: 0.72 metres**

The files primarily deal with the refitting, rehabilitation, maintenance and surveying of the crane. Examples include:

***Titan* crane commissioning tests, 1966 M3089, 1**

***Titan* refit specifications etc, 1965–66 M3089, 8**

**Other cranes**

Various sizes and types of cranes, ranging from small portable cranes to large overhead travelling cranes, were in service at Cockatoo Island Dockyard, many of them numbered for identification purposes. The series listed below contain drawings relating to some of these cranes.

**ESTABLISHMENT DRAWINGS, 1870–1988 C3539****Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**General arrangement [Crane No. 17], 1941, C3539, 2562**

**Detail of carriage 50 ton crane with 10 ton auxiliary hoist [Crane No. 38], 1915  
C3539, E669**

**General arrangement [Crane No. 90], 1914 C3539, 104**

**CRANE DRAWINGS, 1908–69****C3254****Quantity: 0.9 metres**

The series contains a variety of technical drawings relating to cranes used at Cockatoo Island Dockyard and range from small portable cranes to large overhead travelling cranes. Examples include:

**5 ton jib crane, 1908      C3254, CM/E851****Steam crane, 1914      C3254, CM142****FOLDER OF PRINTED PHOTOGRAPHS AND DRAWINGS OF FLOATING CRANES, 1914****C3488****Quantity: 0.2 metres**

The contents of the folder include an introduction, a list of cranes supplied or being built, printed photographs and drawings of buildings and machinery. The folder is from Werf Gusto, Holland, and appears to be a catalogue of machinery.

**NUMERICAL LISTS AND LOCATION PLANS OF MACHINES, TOOLS, CRANES AND WEIGHING MACHINES, 1914–52****C3509****Quantity: 0.54 metres****VOLUME OF DESIGNS OF ELECTRIC CRANES SUBMITTED FOR TENDER PURPOSES, 1916****C3457****Quantity: 0.18 metres**

This is a volume of crane drawings submitted for tender at the Commonwealth Naval Dockyards, Sydney by Stothert & Pitt Limited by the agent Matthew C. Coates, Melbourne.

**TRIALS AND EQUIPMENT BOOK FOR LAUNCHES, LIGHTER, FLOATING WORKSHOP, CRANE, PUNT AND HOPPER BARGE, 1946–56****M3053****Quantity: 0.02 metres**

This volume is primarily an equipment and survey book for the dockyard's launches, *Sans Pareil*, *Drummer*, *Fitzroy*, *Harman*, the steam lighter *Codock*, the floating workshop, the punt *Bondi*, the loam punt, the *Titan* crane and the hopper barge punt.

**FILES RELATING TO THE CONSTRUCTION OF CRANES FOR WHITE BAY CONTAINER  
TERMINAL, 1967–69 M3168**

**Quantity: 0.45 metres**

The two files in this series relate to the construction of cranes for the White Bay Container Terminal in Sydney.

**Power station**

The original power station was constructed at the same time as the Sutherland dock. By 1913, when the Commonwealth took over the island, power supplies were inadequate and the power station outdated and in poor condition. It was replaced in 1918 by what was known as the 'new power station'.

**ESTABLISHMENT DRAWINGS, 1870–1988****C3539**

**Quantity: 38.35 metres**

Drawings are from the Production Office which was responsible for building works, machinery and plant used and maintained on the island. Hand-painted drawings and blueprints are included. They are arranged by subject, for example: arrangement of the dockyard, buildings, docks, cranes, electrical, machinery and wharves.

**New power station chimney, 1917 box 6 C3539, W124**

**New power station site plan, 1917 bag 11 C3539, W120**

**ESTABLISHMENT DRAWINGS, 1909–43****C3316**

**Quantity: 1.44 metres**

Drawings in this series are of various structures on Cockatoo Island, including wharves, water towers and lifts, as well as floor plans for workshops and machinery drawings.

**Power house arrangement of water service, drain feed and blow down pipes, 1912 C3316, E354**

**Layout of new power plant, 1917 C3316, E481**

**ELECTRICAL WORKING DRAWINGS FOR THE POWER STATION, 1913–20  
C3544**

**Quantity: 4.4 metres**

Included among these are drawings of switchboards, wiring, fire systems, generators and circuits.

**Switchboard for power house, 1913 C3544, D3**

**General layout of new power station, 1918 C3544, D114**

**POWER STATION LOG, 1914–19****C3545****Quantity: 0.45 metres**

This series consists of a large volume recording hourly interval measurements of the generator loads, meter readings, steam pressure, remarks, initials of the person making the entry, repairs, stores received, watt hour meter readings and notes for the attention of the electrical engineer. The second item in the series is a roll of unbound folios of the same size and format as the first item.

**ELECTRICAL ESTABLISHMENT DRAWINGS OF POWER STATION PUMPS, 1916–68  
C3553****Quantity: 0.18 metres**

These electrical drawings cover such items as hydraulic pumps and valves, the Ruwolt hydraulic pump, main pump panels and details, layout of pipes, cables to main pumps etc.

**New power station – main pumps, 1921      C3553, 14**

**Layout of main pump panels, cables etc, 1919      C3553, 17**

**ELECTRICAL DRAWINGS OF OLD SITE AND MAINS PLANS, 1917–44****C3577****Quantity: 0.18 metres**

The electrical drawings in this series show the layout of electrical systems, the wiring of Sutherland dock, distribution boxes, the yard lighting system as well as including main test sheets.

**Cockatoo Island – layout of electrical system, 1926      C3577, 19**

**Cockatoo Island – yard lighting mains, 1944      C3577, 25**

**POWER STATION LOG SHEETS, 1919–21****C3558****Quantity: 0.45 metres**

The log sheets record the running and output of the power station from 1919–21 (with gaps), the period when the dockyard was called Commonwealth Naval Dockyard. The chronological sheets were used to keep daily statistics and figures, with readings taken at half hourly intervals.

**POWER STATION VOLTMETER READINGS, 1925–37****C3640****Quantity: 0.54 metres**

The voltmeter readings taken from the power station on Cockatoo Island measure the current of power supplied to the dockyard. Each item was for a 24 hour period. There are gaps in the readings, and none from 1930 to 1937.



## Other dockyards and structures

Some drawings relating to other establishments were held in the Cockatoo Island Dockyard's collection of records. In some cases the dockyard was involved in work for these establishments, or records were held for reference. In other cases, the connection with Cockatoo Island Dockyard is unclear.

### **DRAWINGS OF THE ALFRED GRAVING DOCK AND WILLIAMSTOWN DOCKYARD, 1864–1919                      C3413**

**Quantity: 0.54 metres**

Drawings in this series relate to the construction of the Alfred graving dock and Williamstown Dockyard in Victoria, and alterations and proposed alterations. It is not known why they were held at Cockatoo Island Dockyard.

**Alfred graving dock, 1868                      C3413, 1A**

**Williamstown Dockyard, plan showing land to be transferred to Commonwealth, 1868–1918                      C3413, 17B**

**Williamstown Shipyard, proposed building and repairs, 1919                      C3413, 21B**

### **DRAWINGS OF BRIDGES AND OTHER STRUCTURES, 1897–1917                      C3578**

**Quantity: 0.54 metres**

Some of these original drawings, found among the collection at Cockatoo Island Dockyard, appear to have been associated with Louis Samuel, the engineer responsible for the construction of the Sutherland dock, although Samuel died in 1887. Most relate to bridges in NSW, but included are drawings of Flinders Naval Base (1917) and the arrangement of machinery in the power house.

### **ESTABLISHMENT DRAWINGS, 1906–79                      C3456**

**Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard.

**Alfred graving dock (Williamstown), 1915                      C3456, 84**

**Walsh Island floating dock, 1927                      C3456, 501**

**Walsh Island dockyard, 1939                      C3456, 512**

### **BLUEPRINT DRAWINGS OF FLINDERS NAVAL BASE POWER PLANT, 1917 C3532**

**Quantity: 0.54 metres**

**PHOTOGRAPH ALBUMS, PRESS CLIPPINGS AND CALCULATIONS RELATING TO WALSH ISLAND DOCKYARD, 1917–27 C3532**

**Quantity: 0.54 metres**

This series of records relating to Walsh Island Dockyard in Newcastle, consists of four items: photograph albums, newspaper clippings and a set of calculations for the construction by the Commonwealth Government of a floating dock for the island. It is believed that they were brought to Cockatoo Island Dockyard by a former employee of Walsh Island.

The photograph albums document various aspects of activities at Walsh Island, from the boiler shops to the launching of a ship the Prince of Wales in the 1920s. Photographs include ships under construction, the island itself and employees.

The press clippings, most from Newcastle papers, relate mainly to the Commonwealth Government's decision in 1925 to construct a floating dock for use at Walsh Island.

**Photograph album, 1917–21 C3532, 1**

**Press clippings, 1925–26 C3532, 2**

**Calculations for the design of a 15000 ton floating dock for Walsh Island dockyard, 1926 C3532, 3**

**Photograph album, 1927 C3532, 4**

**FOLDER CONTAINING CONTRACTS AND CORRESPONDENCE RELATING TO BUNNERONG POWER PLANT, 1926 C3497**

**Quantity: 0.54 metres**

This folder contains correspondence and contracts between the Australian Commonwealth Shipping Board, Cockatoo Island Dockyard and the Municipal Council of Sydney, relating to the manufacture of a turbo-alternator for Bunnerong Power Plant.

**FILES RELATING TO THE CONSTRUCTION OF CRANES FOR WHITE BAY CONTAINER TERMINAL, 1967–69 M3168**

**Quantity: 0.54 metres**

**RECORDS RELATING TO THE CONSTRUCTION OF CENTREPOINT TOWER, SYDNEY, 1974–76 M3144**

**Quantity: 0.54 metres**

**FOLDER OF RECORDS RELATING TO A BALL MILL FOR ERARING POWER STATION  
(COCKATOO DOCKYARD JOB NO 6655), 1983–84 M3142**

**Quantity: 0.54 metres**

**FOLDER OF RECORDS RELATING TO A TURBINE PLANT FOR TALLAWARRA POWER  
STATION (COCKATOO DOCKYARD JOB NO 4123), 1985–86 M3143**

**Quantity: 0.54 metres**

# 3 Ships

This chapter is divided into three sections:

Major individual ships – lists series relating to major construction or refitting activity of specific vessels.

Other individual ships – lists series where major activity at the dockyard was not involved.

General ships – lists series relating to groups of ships rather than individual named vessels.

## Major individual ships

Ships listed in this section date from the period of Commonwealth ownership of the dockyard which commenced in 1913. Ships are listed in alphabetical order. Series for each ship are listed in chronological order. Only ships for which records are held by the National Archives are listed in this guide.

### HMAS *Adelaide*

Allocated ship number 44, the Town class light cruiser HMAS *Adelaide* was laid down on 20 November 1917, launched on 27 July 1918 and completed on 31 July 1922. Overall length was 460 feet, and displacement was 5 560 tons. An extensive refit was undertaken at Cockatoo Island Dockyard in 1938–39 and it was allocated ship/job number 124. During the refit one funnel and two boilers were removed, the armaments were modernised, additional fuel tanks were built, and the boilers were converted for burning oil.

#### LIST OF WORKING DRAWINGS OF TOWN CLASS CRUISER HMAS *ADELAIDE*, 1916 C3281

Quantity: 0.03 metres

#### ELECTRICAL DRAWINGS OF TOWN CLASS CRUISER HMAS *ADELAIDE*, 1916–17 C3605

Quantity: 0.09 metres

This collection of electrical drawings is concerned mainly with the arrangement of ring main cables and electrical leads in the engine and boiler rooms, and ring main cables at bulkhead 72. Also included in the series is a general layout and profile of the vessel as well as fire control circuits and wiring.

Funnel A, 1917      C3605, 242895

Arrangement of ring main cables and electrical leads in engine rooms, 1917  
C3605, 242988

**WORKING DRAWINGS OF TOWN CLASS CRUISER HMAS ADELAIDE, 1916–22  
C3278**

**Quantity: 2.34 metres**

These drawings contain information concerning the general arrangement, layout of the machinery and fittings of the ship.

**Outline of head and stern, 1916      C3278, 11**

**Capacity body plan, 1922      C3278, 890**

**REGISTER TO GUIDANCE AND WORKING DRAWINGS OF TOWN CLASS CRUISER  
HMAS ADELAIDE AND SEAPLANE CARRIER HMAS ALBATROSS, BY 1916–28  
C3446**

**Quantity: 0.02 metres**

The first part of this register refers to the guidance and working drawings of HMAS *Adelaide* held in C3306 and C3278, while the second part refers to the seaplane carrier HMAS *Albatross*.

**INDEX TO WORKING DRAWINGS OF TOWN CLASS CRUISER HMAS ADELAIDE, 1916–28  
C3299**

**Quantity: 0.03 metres**

**GUIDANCE DRAWINGS OF TOWN CLASS CRUISER HMAS ADELAIDE, 1918–21  
C3306**

**Quantity: 0.09 metres**

**Cabin stove with ormolu fittings, undated      C3306, 224**

**Captain's bathroom, 1918      C3306, 377**

**INDEX TO GUIDANCE DRAWINGS OF TOWN CLASS CRUISER HMAS ADELAIDE, 1918–21  
C3279**

**Quantity: 0.03 metres**

This index book records basic information on drawing numbers and descriptions, with entries in alphabetical order by the part or section of the ship.

**GRAPHS OF TALLOW TESTS FOR TOWN CLASS CRUISER HMAS ADELAIDE, 1919  
C3243**

**Quantity: 0.9 metres**

**WORKING DRAWINGS OF THE RECONSTRUCTION OF TOWN CLASS CRUISER  
HMAS ADELAIDE, 1935–39 M2701**

**Quantity: 0.36 metres**

These drawings contain information concerning the general arrangement, layout of machinery and fittings of the ship, eg bulkheads, oil fuel tanks, pipes and decks.

**General arrangement and 4" HA calculating position proposed arrangement,  
1937 M2701, R1**

**Bottle stowage, 1938 M2701, R45**

**'AS FITTED' DRAWINGS OF THE RECONSTRUCTION OF TOWN CLASS CRUISER  
HMAS ADELAIDE, 1937 M2704**

**Quantity: 0.09 metres**

These drawings were provided to HMAS *Adelaide* after refit to reflect the true state of the ship at that date. Only five drawings are extant, showing the profile, deck arrangements, sections and a sketch of the rig.

**HMAS *Adelaide* profile, 1937 M2704, 1**

**HMAS *Adelaide* forecastle deck and bridges, 1937 M2704, 3**

**'AS FITTED' DRAWINGS OF THE MODERNISATION OF TOWN CLASS CRUISER  
HMAS ADELAIDE, 1937–39 M2888**

**Quantity: 0.18 metres**

These drawings give details of the general arrangement, mechanical layout, design, exterior fittings and shell expansions.

**Lower deck, 1937 M2888, 6**

**Small arms magazine aft, 1939 M2888, 16**

**HMAS *Albatross***

The seaplane carrier HMAS *Albatross*, designed by the British Admiralty in 1925, was constructed at Cockatoo Island Dockyard for the Royal Australian Navy as ship number 106. Laid down in April 1926, launched on 23 February 1928 and completed on 21 December 1928, it was the first Australian-built seaplane carrier and the largest warship built in Australia up to that time. Length overall was 443 feet 9 inches, and displacement was 4800 tons. The vessel had capacity for nine aircraft, but usually carried only six. In 1938 it was transferred to the Royal Navy as part payment for the cruiser HMAS *Hobart*.

**REGISTER TO GUIDANCE AND WORKING DRAWINGS OF TOWN CLASS CRUISER  
HMAS ADELAIDE AND SEAPLANE CARRIER HMAS ALBATROSS, 1916–28  
C3446**

**Quantity: 0.02 metres**

**ADMIRALTY DRAWINGS ON WHICH THE CONTRACT FOR SEAPLANE CARRIER  
HMAS ALBATROSS WAS BASED, 1925 C3261**

**Quantity: 0.18 metres**

This set of drawings was produced by the British Admiralty and are used in the contract book for the building of HMAS *Albatross*. They cover general arrangements and plans of sections, flight and forecastle decks and bridges, upper and lower decks, platform deck and hold.

**Sections, 1925 C3261, 3**

**Plans of platform deck and hold, 1925 C3261, 8**

**MECHANICAL WORKING DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS, 1925–  
26 C3391**

**Quantity: 0.76 metres**

This series of drawings contains information on mechanical aspects such as high and low pressure ahead and astern, bladings, the main thrust block, main condenser, turbines and gearing bearings.

**HULL ESTIMATE FOR SEAPLANE CARRIER HMAS ALBATROSS, 1925–27  
C3385**

**Quantity: 0.18 metres**

The series provides a breakdown of the hull estimate for the HMAS *Albatross* by the costs for different trade groups such as sailmakers, painters and dockers, draughtsmen and plumbers, etc.

**WORKING AND SUBMITTED DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS,  
1925–28 C3257**

**Quantity: 2.70 metres**

These drawings show the design, mechanical layout and general fit of HMAS *Albatross*. Most are ship and hull drawings, but some mechanical and a few electrical drawings are included.

**General arrangement, 1928 C3257, 1**

**Sick bay, bathroom and WC on forecastle deck level, 1928 C3257, 438**

**ELECTRICAL, MECHANICAL, AND TELEGRAPH DRAWINGS OF SEAPLANE CARRIER  
HMAS ALBATROSS, 1925–28 C3603**

**Quantity: 0.90 metres**

This series of drawings mainly concerns the 200 kw generator, telegraph switches, and arrangements of electric light and power circuits for the HMAS *Albatross*.

**Oil driven generator , 200 kw – 375 RPM, ‘as fitted’ C3603, 499/28**

**Lightning conductors arrangement on stump mast, 1927 C3603, B1686**

**REGISTER TO WORKING DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS, 1925–  
28 C3357**

**Quantity: 0.45 metres**

**REGISTER TO WORKING AND SUBMITTED DRAWINGS OF SEAPLANE CARRIER  
HMAS ALBATROSS, 1925–28 C3646**

**Quantity: 0.09 metres**

This series consists of an incomplete register to the working and submitted drawings of seaplane carrier HMAS *Albatross*. This book was probably not an official register, but a list maintained for reference by an employee for his own use.

**ELECTRICAL TRIALS BOOK FOR SEAPLANE CARRIER HMAS ALBATROSS, 1925–28  
C3671**

**Quantity: 0.09 metres**

**INDEX TO WORKING AND MISCELLANEOUS DRAWINGS OF SEAPLANE CARRIER  
HMAS ALBATROSS, 1925–29 C3358**

**Quantity: 0.45 metres**

**ESTIMATES, TENDER BOOK AND CONTRACT MATERIAL FOR SEAPLANE CARRIER  
HMAS ALBATROSS, 1925–29 C3406**

**Quantity: 0.18 metres**

The tender books and estimates that comprise this series reflect the costs, administrative detail and overseas dealings required for the building of the vessel. There are five items: three copies of the tender book; a summary of estimated and actual cost, plan notes, seaplane costs; and a folder of miscellaneous papers regarding staff and imported materials.



**GUIDANCE DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS, 1926–28  
C3258****Quantity: 0.36 metres**

These drawings for the seaplane carrier HMAS *Albatross* were provided by the Navy at the time of placing the order, or later, for information and guidance. Many of the mechanical guidance drawings were received from Brown Brothers Engineers, Edinburgh.

**HMAS No. 106 seaplane carrier steering gear. Arrangement of steering  
telemotor transmitter, 1925      C3258, 4****Steering gear deck plan, 1928      C3258, 189****ADMIRALTY DIAGRAMS OF SEAPLANE CARRIER HMAS ALBATROSS, 1927  
C3260****Quantity: 0.18 metres**

This series is the contents of a dispatch sent by the Admiralty on 13 May 1927 to Cockatoo Island Dockyard, in addition to the original guidance drawings, to assist in the construction of the seaplane carrier HMAS *Albatross*. The items appear to provide additional information to the working drawings, and include bending and metacentric diagrams, cross and hydrostatic curves and a displacement table.

**‘AS FITTED’ RIGGING WARRANT FOR SEAPLANE CARRIER HMAS ALBATROSS, 1927–28  
C3288****Quantity: 0.45 metres**

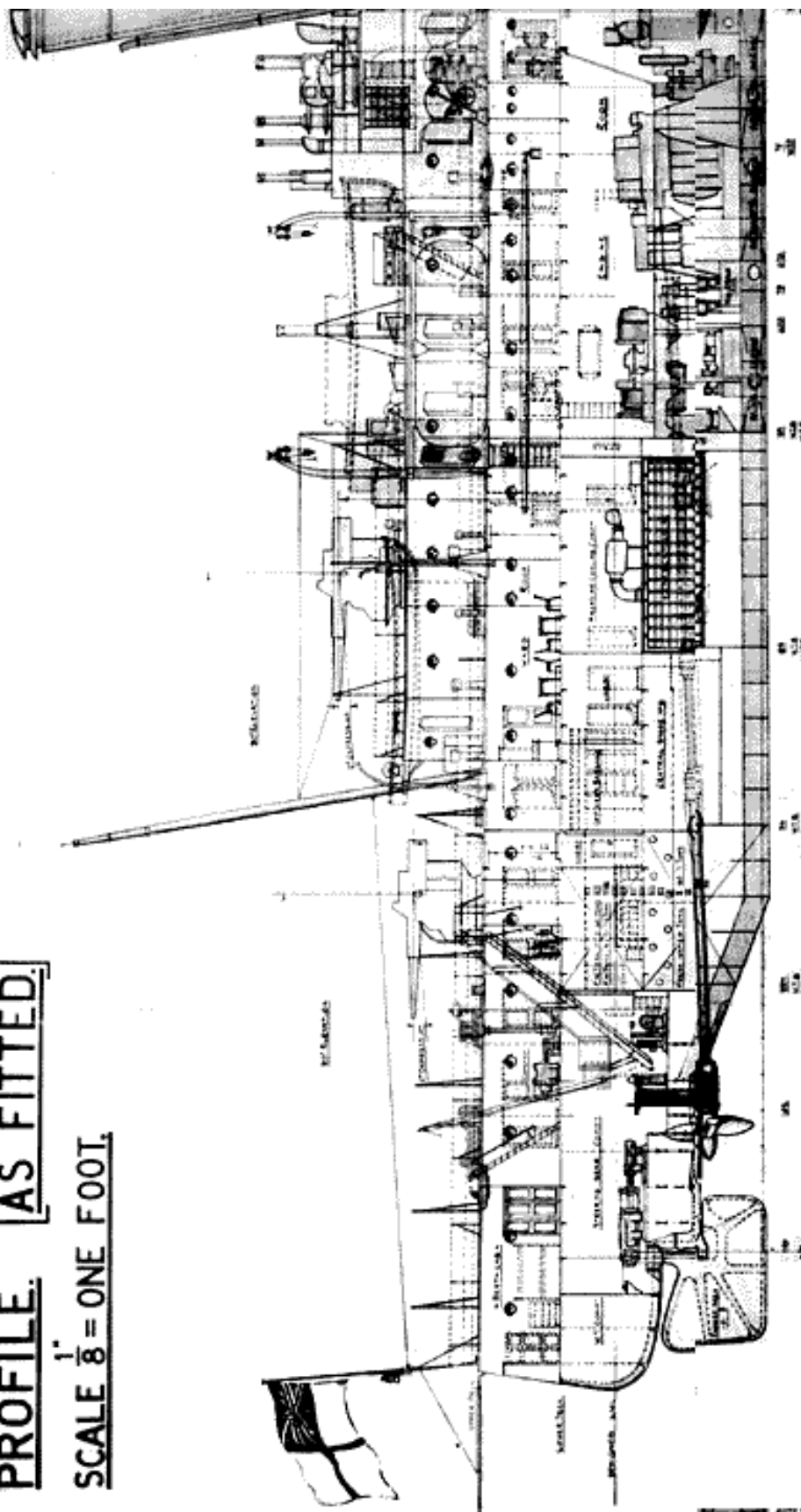
The rigging warrant for the HMAS *Albatross* is a form book used to record the details and arrangements of the rigging at the time of completion.

**MISCELLANEOUS DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS, 1927–29  
C3263****Quantity: 0.18 metres**

The drawings in this series are those that were listed in the index to HMAS *Albatross* under the heading ‘Miscellaneous’. They are a combination of ‘as fitted’ and working drawings, and provide additional information for the Clarkson Patent Thimble Tube Boiler, the 4 ton crane, pillaring arrangements, the Cornhill Gravity oil fuel installation and other machinery.

**4 ton crane, 1926      C3263, 16****Hangar stowage, 1926      C3263, 29**

**H.M.A.S. ALBATROSS.**  
**PROFILE. [AS FITTED]**  
**SCALE  $\frac{1}{8}$ " = ONE FOOT.**



'As fitted' drawings of HMAS *Albatross*, 1928  
 NAA: C3266, 1

**MACHINERY INFORMATION BOOK FOR SEAPLANE CARRIER HMAS ALBATROSS, 1927–29  
C3369****Quantity: 0.45 metres**

This book contains a set of drawings, tables and diagrams with information concerning arrangement, layout and fitting of the machinery of the ship.

**Arrangement of steering gear, 1925      C3369, 15****Speed, power and oil consumption curves, 1925      C3369, 30****‘AS FITTED’ DRAWINGS OF SEAPLANE CARRIER HMAS ALBATROSS, 1928–29  
C3266****Quantity: 0.36 metres**

The drawings in this series provided details on the arrangement and fittings of the ship as it was on completion. The drawings show such arrangements as ventilation, positioning of galleys, pumps, draining facilities and relevant hangar details. Also included are listings of trials and results.

**Profile, 1929      C3266, 1****Stowage of hangar, 1929      C3266, 31****HMAS *Anzac***

HMAS *Anzac*, a Battle class destroyer, was constructed at Williamstown Naval Dockyard in Victoria. However, its main machinery was constructed at Cockatoo Island Dockyard, as ship/job number 186.

**‘AS FITTED’ AND WORKING MECHANICAL DRAWINGS OF BATTLE CLASS DESTROYERS  
HMAS TOBRUK AND ANZAC, 1939–53      M2945****Quantity: 4.50 metres****FILES RELATING TO BATTLE CLASS DESTROYERS HMAS TOBRUK AND ANZAC, 1944–59  
M3001****Quantity: 0.18 metres**

There are seven files representing a range of record types: correspondence, tables, acknowledgment of orders, notes, aluminium test certificates and publications. Some of the items have a contents list or index on the front pages.

**‘Acknowledgment of Order’ from the Australian Aluminium Company Pty Ltd,  
1947–50      M3001, 1****Structural material section mild steel D W quality, 1945–49      M3001, 7**

**COCK LIST BOOKS FOR BATTLE CLASS DESTROYERS HMAS *TOBRUK* AND *ANZAC*,  
1945–50 M2789****Quantity: 0.36 metres**

This series consists of the dockyard's copy of a set of original tracings and blueprints used in the fitting of parts to the piping systems of Battle class destroyers HMAS *Tobruk* and *Anzac*. The cock fitting list is closely related to the pipe fitting list for the same ships (M2768). The pipe systems covered by the cock fitting list include fire extinguishing, steam and exhaust drains, main circulating, fresh water systems and the compressed air system.

**INDEX TO MECHANICAL DRAWINGS OF BATTLE CLASS DESTROYERS  
HMAS *TOBRUK* AND *ANZAC*, 1945–51 M2971****Quantity: 0.09 metres**

This index is divided into sections by subject, covering the entire range of mechanical drawings, including forging sketches, pipe arrangement details, auxiliary machinery, etc. Also included is a section on the materials ordered and received for the construction of the machinery for the ships. In each section, drawings and other information are listed by their relevant numbers, with the titles, dates and any relevant remarks.

**SKETCHES OF BATTLE CLASS DESTROYERS HMAS *TOBRUK* AND *ANZAC*, 1947–49  
M2767****Quantity: 0.18 metres**

This series consists of bound miscellaneous sketches of machinery, space fittings and components for HMAS *Tobruk* and *Anzac*. The sketches were originally placed in two wooden covered books, each with an index to contents, and have been maintained as two items.

**HMAS *Arunta***

The Tribal class destroyer HMAS *Arunta* was constructed at Cockatoo Island Dockyard as ship number 138. It was laid down on 15 November 1939, launched on 30 November 1940, and completed on 30 April 1942. Its length was 377 feet and displacement was 1927 tons. The HMAS *Arunta* served in the Pacific during World War II, with the occupation forces in Japan, in the Korean War and in the Strategic Reserve in the Far East. It sank in 1969 off the coast of NSW after its sale to Taiwan for scrap metal.

**WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA,  
WARRAMUNGA AND BATAAN, 1939–45 M2779**

**Quantity: 4.59 metres**

Drawings include keel and wiring details, riveting and welding schemes, framing sections, and oil and watertight bulkheads.

HMAS *Arunta* was subject to a modernisation program at Cockatoo Island Dockyard in the early 1950s. Some drawings from this program are included in the series, with identification numbers in the same range as the original working drawings; these later drawings are not included in the register to the working drawings, but have been left with the series since they were apparently held there by the dockyard.

**Flat and vertical plate keels, 1939 M2779, 1**

**Anchor and cable arrangements, 1940 M2779, 87**

**REGISTER TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA,  
WARRAMUNGA AND BATAAN, 1939–45 M3004**

**Quantity: 0.09 metres**

**INDEX TO TRACINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA,  
WARRAMUNGA AND BATAAN, 1939–45 M3009**

**Quantity: 0.09 metres**

**INDEX TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA,  
WARRAMUNGA AND BATAAN, 1939–45 M3006**

**Quantity: 0.09 metres**

**‘AS FITTED’ DRAWINGS OF TRIBAL CLASS DESTROYER HMAS ARUNTA, 1939–50  
M2894**

**Quantity: 1.08 metres**

This series of drawings includes general arrangements, details of ventilation, lighting and drainage, magazines, and plating.

**Ventilation and lighting arrangement – sheet 1, 1942 M2894, 1**

**General arrangement – steering gear, 1941 M2894, 60**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF THE CONSTRUCTION AND  
MODERNISATION OF TRIBAL CLASS DESTROYERS HMAS ARUNTA,  
BATAAN AND WARRAMUNGA, 1939–53 M2808**

**Quantity: 2.7 metres**

This series of drawings includes drawings relating to gearing, turbines, shafting and propellers, boilers, funnels, engine room machinery, steam and exhaust systems, closed feed system, lubrication system and generators.

**PHOTOGRAPHS OF A MODEL OF A TRIBAL CLASS DESTROYER, 1940 M3294**

**Quantity: 0.09 metres**

This series consists of an envelope containing five photographs of a model of a Tribal class destroyer, a covering letter and copies of displacement tables.

**CHARTS FOR THE DYNAMIC BALANCE OF TURBINES FOR TRIBAL CLASS DESTROYER  
HMAS ARUNTA, 1941 M3309**

**Quantity: 0.09 metres**

**WORKING DRAWINGS OF THE MODERNISATION OF TRIBAL CLASS DESTROYER  
HMAS ARUNTA, 1950–52 M3064**

**Quantity: 0.72 metres**

Working drawings in this series were used by the Ship Drawing Office at Cockatoo Island Dockyard during the conversion of HMAS *Arunta* to an anti-submarine destroyer, completed in 1952. The drawings show general arrangements of modified areas, ventilation systems and the fit and storage of new armaments.

**Squid equipment general arrangement, 1950 M3064, 1**

**Arrangement of crews galley, 1951 M3064, 103**

**REGISTER AND INDEX TO WORKING DRAWINGS OF THE MODERNISATION OF TRIBAL  
CLASS DESTROYER HMAS ARUNTA, 1950–52 M3067**

**Quantity: 0.09 metres**

**INDEX TO MECHANICAL DRAWINGS OF THE MODERNISATION OF TRIBAL CLASS  
DESTROYER HMAS ARUNTA, 1950–52 M3292**

**Quantity: 0.09 metres**

**ORIGINAL SUNDRY SKETCHES OF THE MODERNISATION OF TRIBAL CLASS DESTROYER  
HMAS ARUNTA, 1951–52 M3310**

**Quantity: 0.9 metres**

**LISTS OF 'AS FITTED' MECHANICAL DRAWINGS OF THE MODERNISATION OF TRIBAL  
CLASS DESTROYER HMAS ARUNTA, 1951–53 M3307**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF THE MODERNISATION OF TRIBAL CLASS DESTROYER  
HMAS ARUNTA, 1952–53 M2916**

**Quantity: 0.36 metres**

Drawings include general arrangements, ventilation arrangements, ammunition magazines, fresh and salt water services, calibration tables and a docking plan.

**General arrangement, profile, 1952 M2916, 1**

**Hot water service, 1953 M2916, 36**

**FOLDER OF SKETCHES OF SPECIAL SPANNERS AND TOOLS FOR TRIBAL CLASS  
DESTROYER HMAS ARUNTA, 1952–53 M3196**

**Quantity: 0.09 metres**

**ISSUE BOOK FOR 'AS FITTED' MECHANICAL DRAWINGS OF THE MODERNISATION OF  
TRIBAL CLASS DESTROYER HMAS ARUNTA, 1952–53 M3301**

**Quantity: 0.09 metres**

**Bucket dredge *A S Mayne***

The 800 litre bucket dredge *A S Mayne* was constructed at Cockatoo Island Dockyard for the Melbourne Harbor Trust, and was allocated ship/job number 239. It was ordered on 12 September 1974, laid down on 24 February 1975, launched on 29 May 1976 and completed in March 1977. Named after the chairman of the Melbourne Harbor Trust Commissioners, Mr Arthur Stanley Mayne, it was 169 feet long, with a full load displacement of approximately 1 600 tons. These records will be available to the public when they are 30 years old.

**RECORDS OF THE DIRECTOR OF PRODUCTION RELATING TO THE CONSTRUCTION OF  
BUCKET DREDGE A S MAYNE, 1974–76 M3046**

**Quantity: 0.72 metres**

**FILES RELATING TO THE CONSTRUCTION OF BUCKET DREDGE A S MAYNE, 1974–77  
M2980**

**Quantity: 0.72 metres**

**INDEX TO WORKING DRAWINGS OF BUCKET DREDGE A S MAYNE, 1974–78  
M2758**

**Quantity: 0.18 metres**

**CORRESPONDENCE FILES RELATING TO BUCKET DREDGE A S MAYNE, 1974–78  
M2800**

**Quantity: 0.72 metres**

**HEADLINE AND STERNLINE WINCH DRAWINGS OF BUCKET DREDGE A S MAYNE, 1975  
M2982**

**Quantity: 0.18 metres**

**INSTRUCTION, MAINTENANCE, AND SERVICING MANUALS TO PARTS AND MACHINERY  
FOR BUCKET DREDGE A S MAYNE, 1975 M2981**

**Quantity: 0.36 metres**

**‘AS FITTED’ AND WORKING HULL, MECHANICAL AND ELECTRICAL DRAWINGS OF  
BUCKET DREDGE A S MAYNE, 1975–77 M2755**

**Quantity: 4.14 metres**

**REGISTER TO WORKING DRAWINGS OF BUCKET DREDGE A S MAYNE, 1975–77  
M2757**

**Quantity: 0.18 metres**

**SUNDRY SKETCHES OF BUCKET DREDGE A S MAYNE, 1976 M2878**

**Quantity: 0.18 metres**



## HMAS *Australia* (I)

The Battle cruiser HMAS *Australia* was constructed in Scotland between 1910 and 1913 for the Royal Australian Navy. In 1914 the ship docked in the Sutherland Dock which had been widened in 1913 specifically to accommodate it. The measurements were 590 feet overall, with a displacement of 22,000 tons full load. To comply with the terms of the Washington Naval Treaty of 1922, HMAS *Australia* was scuttled off Sydney Heads in 1924.

### WORKING DRAWINGS OF HMAS *AUSTRALIA*, 1910–20

**C3308****Quantity: 0.18 metres**

These working drawings and some calculation tables for HMAS *Australia* contain information concerning different parts of the ship.

**Bilge keel, 1913      C3308, 1****HMAS *Australia* and *New Zealand* outline profile and largest section (2 drawings), 1919      C3308, 19**

### BOOK OF STATISTICAL INFORMATION RELATING TO HMAS *AUSTRALIA*, 1913–14 **C3652**

**Quantity: 0.02 metres**

## HMAS *Australia* (II)

HMAS *Australia* was constructed in Scotland in 1928. However, a refit and modernisation, including the fitting of additional armaments, was undertaken at Cockatoo Island Dockyard as ship/job number 130, and was completed on 28 September 1939. After extensive service during World War II, HMAS *Australia* was recommissioned as Flagship of the Australian Squadron for a short time, and then Flagship of the ANZAC Squadron. It was sold and broken up in England in 1956.

### WORKING DRAWINGS OF THE MODERNISATION OF CRUISER HMAS *AUSTRALIA*, 1934–42 **M2724**

**Quantity: 0.55 metres**

These drawings include details of armour plating, magazines and watertight compartments. Some of the drawings were intended to be used for HMAS *Canberra* as well.

**Rolling sizes of 180 lbs 'C' armour, 1937      M2724, 3****Emergency conning position, 1938      M2724, 5**

**WORKING DRAWINGS OF THE MODERNISATION OF HMAS AUSTRALIA, 1937–42  
M2725**

**Quantity: 0.18 metres**

Drawings include ventilation, watertight and drainage arrangements; bullet-proof plating; and magazines. Some drawings were intended to be used for HMAS *Canberra* as well.

**Proposed rearrangement of bulkheads on lower deck in way of aviation spirit control room, 1938 M2725, M1**

**Bullet-proof plating for bridge structures (HMAS *Canberra*), 1939 M2725, M19**

**Aircraft water lighter AWL 304**

The aircraft water lighter *AWL 304* was constructed at Cockatoo Island Dockyard for the Royal Australian Navy as ship number 230. It was laid down on 8 September 1967, launched on 26 October 1967 and completed on 16 November 1967.

**‘AS FITTED’ MECHANICAL DRAWINGS OF AIRCRAFT/WATER LIGHTER AWL 304, 1965–67  
M2713**

**Quantity: 0.18 metres**

**REGISTER TO WORKING DRAWINGS OF AIRCRAFT/WATER LIGHTER AWL 304, 1966–67  
M2979**

**Quantity: 0.02 metres**

**WORKING DRAWINGS OF AIRCRAFT/WATER LIGHTER AWL 304, 1966–68  
M2978**

**Quantity: 0.36 metres**

**RECORDS RELATING TO AIRCRAFT/WATER LIGHTER AWL 304, 1966–68  
M2975**

**Quantity: 0.36 metres**

**FITTING LISTS AND SUNDRY SKETCHES OF AIRCRAFT/WATER LIGHTER AWL 304, 1967  
M2705**

**Quantity: 0.18 metres**

**INDEX TO DRAWINGS OF AIRCRAFT/WATER LIGHTER AWL 304, 1967****M2714****Quantity: 0.18 metres****INDEX TO COST HEADINGS FOR AIRCRAFT/WATER LIGHTER AWL 304, 1967****M2715****Quantity: 0.18 metres****FULL TRIALS RECORDS OF AIRCRAFT WATER LIGHTER AWL 304, 1967****M2703****Quantity: 0.18 metres**

Trials were conducted on the *AWL 304* on Sydney Harbour over three days, and the results and details recorded in this series.

**NAVY OFFICE SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF  
AIRCRAFT/WATER LIGHTER AWL 304, 1967****M2718****Quantity: 0.18 metres****EQUIPMENT SCHEDULES FOR AIRCRAFT WATER LIGHTER AWL 304, 1967****M2803****Quantity: 0.18 metres**

This series of equipment schedules consists of a list of the machinery and spare parts placed on the *AWL 304* on its completion at Cockatoo Island Dockyard. Attached is a general index to the listings, recording the section heading and corresponding page number.

**FOLDER OF THE COMBINED LIST OF EQUIPMENT, PORTABLE AND SPARE GEAR,  
DRAWINGS AND INSTRUCTION BOOKS FOR AIRCRAFT/WATER LIGHTER AWL 304, 1967****M2977****Quantity: 0.05 metres****HMAS *Barcoo***

The River class frigate HMAS *Barcoo* was constructed at Cockatoo Island Dockyard for the Royal Australian Navy as ship number 163. It was laid down on 21 October 1942, launched on 26 August 1943, and completed on 10 February 1944. Overall length was 301 feet and displacement was 1370 tons. HMAS *Barcoo* was active off the coast of New Guinea in 1944, and supported the

AIF landings on Borneo in 1945. After the war the ship was employed in survey work, and was paid off in 1964 and sold for scrap in 1972.

**WORKING MECHANICAL DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–43                      M2845**

**Quantity: 0.18 metres**

**INDEX TO ENGINE DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–43                      M3225**

**Quantity: 0.09 metres**

**WORKING DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–59                      M3063**

**Quantity: 0.54 metres**

These drawings contain information on the ships' general arrangement, layout of machinery and fittings, and details of hull, rudder, shaft bracket, shell expansion, bridge, awning, guardrail and stanchions. Some apply to ship/job number 165, allocated to the manufacture of boilers for River class frigates which were never built.

**Profile, bridge, signal forecastle and upper deck, 1941                      M3063, 2/1**

**Radar (978) aerial ATZ platform, 1959                      M3063, 584**

**REGISTER AND INDEX TO WORKING DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1942–45                      M3226**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF RIVER CLASS FRIGATE HMAS *BARCOO*, 1943–44                      M2829**

**Quantity: 0.18 metres**

Included within these drawings are general arrangements of the profile, decks and sections; pumping, flooding and draining arrangements; arrangement of fresh, salt and hot water services; ventilation arrangements; arrangement of the oil fuel filling system; voice pipes arrangement; shell expansion; holes and vessel bottom; magazines; docking plan; oil fuel and diesel capacities; feed, fresh and ballast tanks; sketch of rig; damage control markings; calibration tables; and hydrostatic curves.

**General arrangement – profile, 1944                      M2829, A**

**Shell expansion, 1944                      M2829, 17**

## HMAS *Barwon*

The River class frigate HMAS *Barwon* was constructed as ship number 164. It was laid down on 31 May 1943, launched on 3 August 1944, and completed on 12 January 1946. Overall length was 301 feet and displacement was 1370 tons. Completed too late to take part in World War II, HMAS *Barwon* saw brief service with the Navy as a patrol ship until March 1947, after which it became part of the reserve fleet. It was sold to Japanese interests for scrap in 1962.

### **WORKING MECHANICAL DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–43 M2845**

Quantity: 0.18 metres

### **INDEX TO ENGINE DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–43 M3225**

Quantity: 0.09 metres

### **WORKING DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1941–59 M3063**

Quantity: 0.54 metres

### **REGISTER AND INDEX TO WORKING DRAWINGS OF RIVER CLASS FRIGATES HMAS *BARCOO* AND *BARWON*, 1942–45 M3226**

Quantity: 0.09 metres

### **‘AS FITTED’ DRAWINGS OF RIVER CLASS FRIGATE HMAS *BARWON*, 1944–45 M2805**

Quantity: 0.13 metres

Included within these drawings are flooding and draining arrangements; salt and hot water services; ventilation arrangements; oil fuel filling system arrangements; voice pipes; magazines; docking plan; damage control markings; shell expansion; tank capacities; calibration tables; and plan of holes in vessel's bottom.

**General arrangement, profile, signal deck and bridge, 1946 M2805, A**

**Small arms, Bofors and Oerlikon magazine, 1945 M2805, S21**

## HMAS *Bataan*

The Tribal class destroyer HMAS *Bataan* was constructed as ship number 148. Originally to be named the *Kurnai*, HMAS *Bataan* was laid down on 18 February 1942, launched on 15 January 1944 and completed on 26 June 1945. The overall length was 377 feet and displacement was 1927 tons. It served with the occupation forces in Japan and in the Korean War. HMAS *Bataan* was laid up in 1954, and sold a few years later.

### **WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, WARRAMUNGA, AND BATAAN, 1939–45 M2779**

**Quantity: 4.59 metres**

See the series description for HMAS *Arunta* for further information.

### **REGISTER TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, WARRAMUNGA AND BATAAN, 1939–45 M3004**

**Quantity: 0.09 metres**

### **INDEX TO TRACINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, WARRAMUNGA AND BATAAN, 1939–45 M3009**

**Quantity: 0.09 metres**

### **INDEX TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, WARRAMUNGA AND BATAAN, 1939–45 M3006**

**Quantity: 0.09 metres**

### **‘AS FITTED’ AND WORKING MECHANICAL DRAWINGS OF THE CONSTRUCTION AND MODERNISATION OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, BATAAN AND WARRAMUNGA, 1939–53 M2808**

**Quantity: 2.7 metres**

See the series description for HMAS *Arunta* for further information.

### **PHOTOGRAPHS OF A MODEL OF A TRIBAL CLASS DESTROYER, 1940 M3294**

**Quantity: 0.09 metres**

See the series description for HMAS *Arunta* for further information.

**'AS FITTED' DRAWINGS OF TRIBAL CLASS DESTROYER HMAS BATAAN, 1942–45  
M2852****Quantity: 0.36 metres**

The drawings in this series show the general arrangement, design and mechanical layout of HMAS *Bataan* on its completion at Cockatoo Island Dockyard. Drawings include general arrangements; ventilation, pumping and plating details; shell expansion; and a docking plan. Some of the drawings were taken from the collection of 'as fitted' drawings for the second Tribal class destroyer, HMAS *Warramunga*.

**Ventilation arrangement – profile and section, 1945      M2852, 1****Cafeteria arrangement, 1945      M2852, 34****HMAS Bathurst**

Constructed as ship number 146, the HMAS *Bathurst* was one of 60 minesweepers built in Australian shipyards during World War II. Thirty-six were for the Royal Australian Navy, twenty for the British Admiralty, and four for the Royal Indian Navy. They were active in escorting convoys, transporting troops and stores, minesweeping, patrolling, bombarding and surveying. The other minesweepers built at Cockatoo Island Dockyard were the HMAS *Goulburn*, HMAS *Bendigo*, HMAS *Wollongong*, HMAS *Cessnock*, HMAS *Glenelg*, HMIS *Madras*, and HMIS *Bengal*. Laid down on 10 February 1940, HMAS *Bathurst* was launched on 1 August 1940 and completed on 5 December 1940. Its length was 186 feet and displacement was 735 tons. It later sank at its mooring in Sydney Harbour in June 1950.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–41      M2842****Quantity: 0.18 metres**

These drawings were used to construct the main and auxiliary machinery and machinery parts. There are also sundry sketches – those marked with an 'SS' prefix in the listing. These sketches were drawn up when changes or additions needed to be made to the existing drawings.

**WORKING DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–42      M3148****Quantity: 0.36 metres**

Included within this series are drawings of framing plans, gun supports, skylights, details of keel, and ladders.

**'AS FITTED' DRAWINGS OF MINESWEEPER HMAS BATHURST, 1940–41  
M2802****Quantity: 0.18 metres**

Drawings include general arrangements, pumping, flooding and draining plans, fresh and salt water services, ammunition magazines, calibration tables, shell expansion and a docking plan.

**General arrangement – sheet 1 (profile, forecastle, deck and bridges), 1941  
M2802, A****Arrangement of galley, 1940 M2802, S19****Bay class steamers**

Bay class steamers *Moreton Bay*, *Hobsons Bay*, and *Jervis Bay* were built by Vickers UK, while *Esperance Bay* and *Largs Bay* were built by Beardmore's. They were owned by the Australian Commonwealth Government Line, and were sent to Cockatoo Island Dockyard for maintenance. The *Moreton Bay* was converted to an armed merchant cruiser at the dockyard in August 1939, under ship/job number 143.

**WORKING DRAWINGS OF BAY CLASS STEAMERS, 1921–29****C3277****Quantity: 0.55 metres**

This series of drawings contains information concerning the general arrangement of the ships, the layout of the machinery and their fittings.

**General arrangement of deck b and c, 1921 C3277, 1****TSS *Hobsons Bay* fresh, salt, hot and cold services, also scupper and drainage arrangement, 1922 C3277, 54****INDEX TO WORKING DRAWINGS OF BAY CLASS STEAMERS, 1921–29****C3651****Quantity: 0.09 metres****HMAS *Bendigo***

Constructed as ship number 150, HMAS *Bendigo* was laid down on 12 August 1940, launched on 1 March 1941, and completed on 9 May 1941. It had the same length and displacement as HMAS *Bathurst* (see above). In 1947, HMAS *Bendigo* was sold to Hong Kong interests and subsequently incorporated into the navy of the People's Republic of China.



**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**WORKING DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–42 M3148**

**Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**‘AS FITTED’ DRAWINGS OF MINESWEEPER HMAS BENDIGO, 1941 M2858**

**Quantity: 0.18 metres**

Drawings include general arrangements, pumping, flooding and draining plans, fresh and salt water services, ammunition magazines, calibration tables, shell expansion and a docking plan.

**Magazine, 1941 M2858, 14**

**Weights to go on and come off, 1941 M2858, 23**

## *HMIS Bengal*

Allocated ship number 156, HMIS *Bengal* was one of two minesweepers constructed at Cockatoo Island Dockyard for the Royal Indian Navy during World War II. Laid down on 3 December 1941, launched on 28 May 1942, and completed on 8 August 1942, HMIS *Bengal* was 186 feet in length and had a displacement of 735 tons.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**'AS FITTED' DRAWINGS OF MINESWEEPERS HMIS *MADRAS* AND HMIS *BENGAL*, 1939–42  
M2857****Quantity: 0.18 metres**

Drawings include pumping, flooding and draining arrangements, ventilation arrangements, fresh and salt water services, ammunition magazines, a rigging warrant and docking plan. In some cases a single drawing is held for HMIS *Madras*, while in others a second drawing relating to both vessels is held.

**Arrangement of bridge, 1941      M2857, S26****Profile, forecastle, deck and bridge, 1941      M2857, S30****WORKING DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*, *BENDIGO*,  
*WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*, 1939–42  
M3148****Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**Profile forecastle deck and bridge (HMIS *Madras* and *Bengal*), 1941      M3148, 1****REGISTER AND INDEX TO WORKING DRAWINGS OF MINESWEEPERS HMAS  
*WOLLONGONG*, *CESSNOCK*, HMIS *MADRAS*, HMIS *BENGAL* AND HMAS *GLENELG*, 1939–  
42      M3235****Quantity: 0.02 metres****Collier *Biloela***

The collier *Biloela*, constructed for the Royal Australian Navy, was laid down on 21 October 1918, launched on 10 April 1919 and completed on 10 July 1920. Designed at Navy Office Melbourne, all working drawings were produced at Cockatoo Island Dockyard where the vessel was allocated ship number 61. At the time, it was the largest non-fighting ship built in Australia and was constructed entirely of Australian materials. Although intended for transporting coal, it had tanks for storing bulk oil fuel and fresh water. Overall length was 370 feet, with displacement of 10 040 tons.

**WORKING DRAWINGS OF COLLIER *BILOELA*, 1915–20      C3305****Quantity: 1.20 metres**

Working drawings in this series show the design, mechanical layout and general fitout of the coal carrying vessel *Biloela*.

**Flat plate keel and centre girder, 1918      C3305, 9****Plan of upper bunkers, 1920      C3305, 224**

**INDEX TO WORKING DRAWINGS OF COLLIER *BILOELA*, 1915–20****C3505****Quantity: 0.02 metres**

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER *BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26** **C3461**

**Quantity: 0.02 metres**

This series consists of one exercise book listing drawings of each of the vessels in numerical order. Information given includes drawing number and title.

**GUIDANCE DRAWINGS OF COLLIER *BILOELA*, 1918–19****C3331****Quantity: 0.01 metres**

The eight guidance drawings in this series show details of deck and rigging.

**Rig plan, 1918** **C3331, 5****Proposed method of working coaling whips, 1918** **C3331, 24****CALCULATION PLANS FOR THE LAUNCH OF COLLIER *BILOELA*, 1919****C3363****Quantity: 0.01 metres**

The four calculation plans in this series show the arrangement of drags and anchor at launch, launching speed and the arrangement of platforms and barriers.

**Arrangement of drags at launch, 1919** **C3363, C19****Launching platforms and barriers, 1919** **C3363, C21****MECHANICAL WORKING DRAWINGS OF COLLIER *BILOELA*, 1919–20****C3631****Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF COLLIER *BILOELA*, 1920–27****C3329****Quantity: 0.01 metres**

Only five drawings in this series of 'as fitted' drawings for the RAN fleet collier *Biloela* are extant. These show general arrangements; cargo plan; arrangements of pumping; fuel piping; sanitary piping; fresh water piping; and the proposed rearrangement as an oil fuel carrier. In addition, there is a 1927 drawing of Port Darwin Oil Depot (94A).

**Cargo plan, 1920      C3329, 75****Proposed re-arrangement as oil carrier, 1927      C3329, 94****Ferry *Biloela***

The double-ended passenger ferry *Biloela*, ship number 36, was built for service at the dockyard. It was laid down on 3 August 1915, launched on 19 July 1916 and completed on 23 December 1916. Overall length was 138 feet, and displacement was 314 tons.

**WORKING DRAWINGS OF PASSENGER FERRY *BILOELA*, 1915–16****C3506****Quantity: 0.18 metres**

This set of working drawings includes information on offsets, midship section, rudder and stern frame, main deck house, engine seating, lines plan, sheer draught and launching arrangement.

**Upper deck beam and plating plan, 1915      C3506, 8****General arrangement main deck, hold and fore-cabin, 1915      C3506, 20****HMAS *Brisbane***

The Town class cruiser HMAS *Brisbane* was constructed at Cockatoo Island Dockyard as ship number 7. The main machinery and armaments were imported from Britain. It was laid down on 25 January 1913, launched on 30 September 1915 and commissioned on 30 October 1916. Measurements were 457 feet overall length, with 5400 tons displacement. The cost of construction, approximately twice that of sister ships built in Britain (HMAS *Sydney* and *Melbourne*), was widely criticised.

**WORKING DRAWINGS OF TOWN CLASS CRUISER HMAS *BRISBANE*, 1912–20  
C3284****Quantity: 3.78 metres**

Working drawings in this series contain information and data concerning the general arrangement, layout of machinery and fittings of the HMAS *Brisbane*.

**Launching curves, 1912      C3284, 1****List of engravings, 1916      C3284, 871****TRACING INDEX TO TOWN CLASS CRUISER HMAS *BRISBANE*, 1912–20  
C3313****Quantity: 0.03 metres****LIST OF WORKING DRAWINGS OF TOWN CLASS CRUISER HMAS *BRISBANE*, 1912–20  
C3312****Quantity: 0.03 metres****LAUNCHING PLANS AND SPECIFICATIONS FOR TOWN CLASS CRUISER HMAS  
*BRISBANE*, 1912–20      C3300****Quantity: 0.18 metres**

The set of launching plans and specifications includes information on launching arrangements, diagrams and speed, etc. There is also a packet of completion forms.

**Launching arrangement, 1915      C3300, 3****Specification of launching, 1915      C3300, 21****Steel workboat *Bustler***

The steel workboat *Bustler* was constructed at Cockatoo Island Dockyard as ship/job number 240. It was built as an apprentice project and completed on 22 February 1979.

**WORKING DRAWINGS OF STEEL WORKBOAT *BUSTLER*, 1978–79****M3183****Quantity: 0.90 metres**

## Tug *Bustler*

The fire and salvage steam tug *Bustler*, ship number 38, was built at Cockatoo Island Dockyard and was owned and operated by the dockyard. It was laid down on 11 April 1916, launched on 25 January 1917 and completed on 31 March 1917. It was finally scuttled, with the dredger *Hercules*, in 1972.

### **'AS FITTED' AND WORKING DRAWINGS OF STEAM TUG *BUSTLER*, 1912–27 C3525**

**Quantity: 0.36 metres**

Working drawings of the steam tug *Bustler* consist mainly of ship/hull drawings of general arrangements, casting plans, etc. Also included is an 'as fitted' arrangement, steam trial results, a displacement table, offsets, and an arrangement of machinery for the winch on the tug.

**General arrangement – 'as fitted', 1915      C3525, 1B**

**Details of galley and WC, 1919      C3525, 48**

### **REGISTER OF OFFSETS FOR STEAM TUG *BUSTLER*, 1916      C3526**

**Quantity: 0.03 metres**

This register was used during the construction phase of the tug, and provides a record of its measurements and dimensions. With the register is a diagram explaining the use of the readings in the ship's construction.

## Lighthouse steamer *Cape Leeuwin*

Hull and machinery for lighthouse steamer *Cape Leeuwin* were constructed at Cockatoo Island Dockyard for the Commonwealth Lighthouse Service. The vessel was allocated ship number 101. It was laid down on 15 July 1924, launched on 10 December 1924, and completed on 1 June 1925. *Cape Leeuwin* was 225 feet in length between perpendiculars, and had gross tonnage of 1406 tons.

### **REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER *BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26      C3461**

**Quantity: 0.02 metres**

See the series description for Collier *Biloela* for further information.

**LLOYD'S REGISTER CERTIFICATES AND RELATED CORRESPONDENCE FOR  
SS EUWARRA AND LIGHTHOUSE STEAMER CAPE LEEUWIN, 1922–25****C3821****Quantity: 0.45 metres**

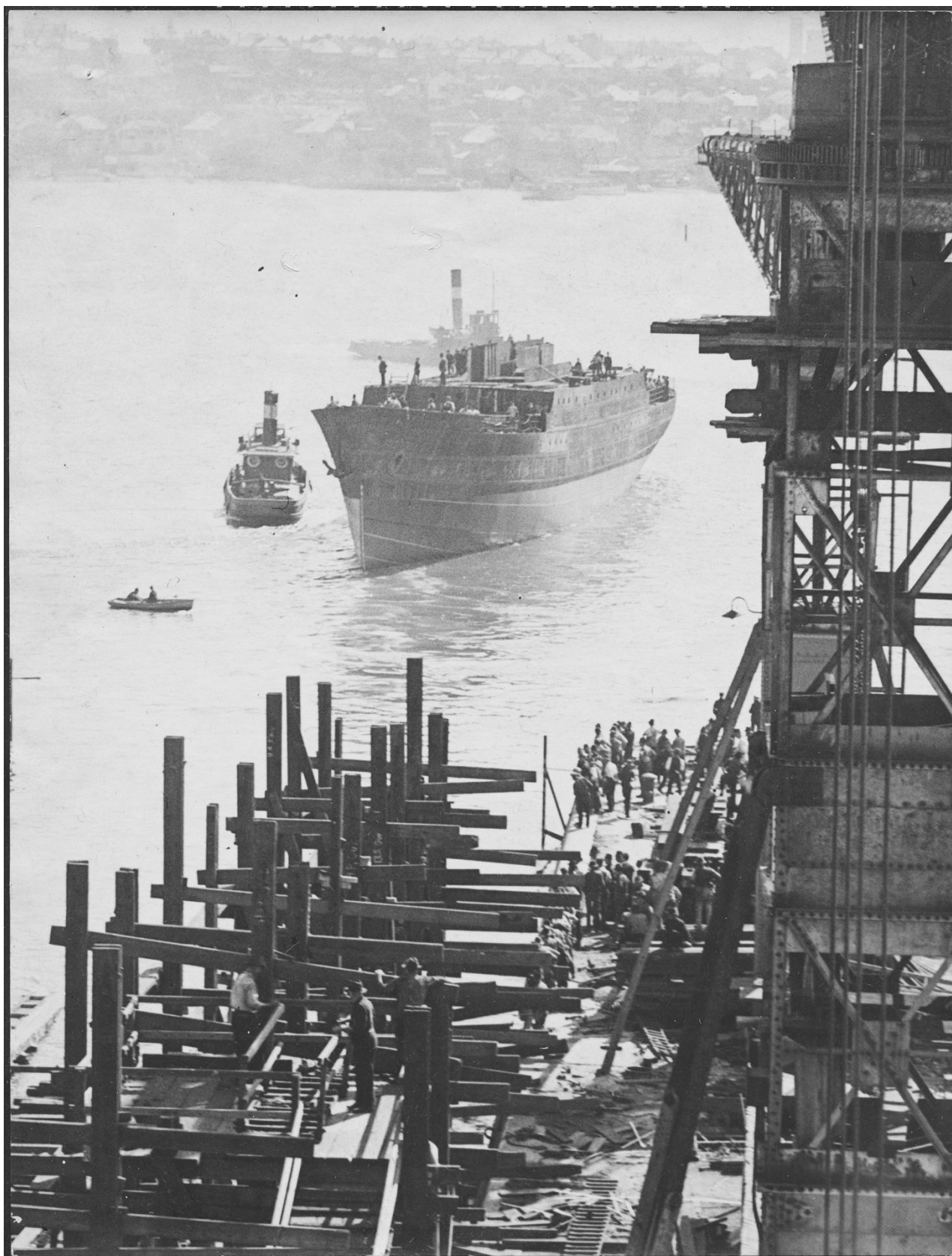
This series consists of a folder containing a collection of certificates from Lloyd's Register of Shipping, and related correspondence, for SS *Euwarra* and lighthouse steamer *Cape Leeuwin*. A second folder contains provisional and final certificates for the *Cape Leeuwin*, a certificate for its engines and boilers, a class certificate and freeboard verification form.

**GUIDANCE DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1923–25****C3273****Quantity: 0.18 metres**

Like other guidance drawings, these were supplied by the client and were used for reference in the design and construction of the vessels.

**Surf boat, 1924      C3273, 20****Equipment outfit and stores, 1925      C3273, 31****INDEX TO WORKING DRAWINGS OF: LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE  
YORK; AND REFRIGERATED CARGO STEAMERS TSS FORDSDALE AND FERNDAL, 1923–  
26****C3647****Quantity: 0.09 metres****ESTIMATE OF COST OF HULL, MACHINERY AND ELECTRICAL EQUIPMENT FOR  
LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, 1924****C3409****Quantity: 0.18 metres**

The estimates are from the different trade groups involved in building these steamers. Cockatoo Island Dockyard estimate 637 begins with a brief description of the vessels, a summary of the weights, a trade summary and the shipwrights' summary. The estimate for the construction of the ships is then divided into the various trade sections, each listing a description of the items required, quantity, cost, labour, and a breakdown of material.



Lighthouse steamer *Cape Leeuwin*, launched on 10 December 1924.  
NAA: C4150,36



**WORKING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1924–25 C3272****Quantity: 0.54 metres**

These working drawings were used in the actual construction of the ships; they show the design, mechanical layout and general fitting of the ships. This series also contains builders' certificates, specifications and carpenters' plans.

**General arrangement, 1924 C3272, 1****Nameplate for SS No. 101, 1925 C3272, 102****LAUNCHING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1924–25 C3287****Quantity: 0.09 metres**

This series contains the diagrams and data of the launching. The launching drawings concern the lines and the displacement involved in launching the vessels.

**Launching arrangement, 1924 C3287, 1****Types of launching triggers (No. 101), 1925 C3287, 10****INDEX TO 'AS FITTED', WORKING AND MISCELLANEOUS DRAWINGS OF LIGHTHOUSE  
STEAMERS CAPE LEEUWIN AND CAPE YORK, 1924–26 C3359****Quantity: 0.45 metres****ISSUE BOOK FOR WORKING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN,  
CAPE YORK, AND CAPE OTWAY AND THE 'AS FITTED' DRAWINGS OF CAPE OTWAY,  
1924–31 C3464****Quantity: 0.02 metres**

This issue book functions as an unofficial register. It is divided into three parts: an issue list of working drawings for the two ships *Cape Leeuwin* and *Cape York*; those of *Cape Otway*; and the 'as fitted' drawings of *Cape Otway*.

**MISCELLANEOUS DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, 1925 C3276**

**Quantity: 0.18 metres**

The miscellaneous drawings that comprise this series were separated from the working drawings in the index and given their own single number identification. Included are lines and body drawings, appropriation of material and tiling plan.

**Lines and body, 1925 C3276, 9**

**Tiling plan, 1925 C3276, 10**

**'AS FITTED' DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, 1925-26 C3286**

**Quantity: 0.08 metres**

Included in these drawings are general arrangements and profiles, sections, details of water services, calibrations and a docking plan.

**General arrangement, 1925 C3286, 14**

**Insulated chamber, 1926 C3286, 20**

**Lighthouse steamer *Cape Otway***

As with the steamer *Cape Leeuwin*, hull and machinery for *Cape Otway* were constructed at Cockatoo Island Dockyard for the Commonwealth Lighthouse Service. The vessel was allocated ship number 109. It was laid down on 22 September 1930, launched on 26 June 1931, and completed on 3 October 1931. The length between perpendiculars was 195 feet, and its gross tonnage was 996 tons.

**ISSUE BOOK FOR WORKING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN, CAPE YORK, AND CAPE OTWAY AND THE 'AS FITTED' DRAWINGS OF CAPE OTWAY, 1924-31 C3464**

**Quantity: 0.08 metres**

See the series description for *Cape Leeuwin* for further information.

**WORKING DRAWINGS OF LIGHTHOUSE STEAMER CAPE OTWAY, 1930–32  
C3302****Quantity: 0.72 metres**

Included in these drawings are general arrangements, profiles and sections; framing and plating details; ventilation; fresh and salt water services and drainage; and design of bathrooms and galley. Many of the items were traced from the working drawings of the two earlier lighthouse steamers built at the dockyard, *Cape Leeuwin* and *Cape York*.

**Mast plan, 1931      C3302, 31****Upholstery plan, 1931      C3302, 139****‘AS FITTED’ DRAWINGS OF LIGHTHOUSE STEAMER CAPE OTWAY, 1931  
C3303****Quantity: 0.18 metres**

These drawings depict such details as general arrangements and sections, water services and drainage, a rigging plan and a stability statement.

**General arrangement, 1931      C3303, 1****Body plan, 1931      C3303, 13****ELECTRICAL DRAWINGS OF LIGHTHOUSE STEAMER CAPE OTWAY, 1931  
C3604****Quantity: 0.09 metres**

This series consists of four miscellaneous electrical drawings used in the construction of the steamer. They deal mainly with the installation of light and power and the electrical arrangement in the engine and boiler rooms.

**Electric light and power installation, as fitted, 1931      C3604, E1****General arrangement of machinery and main steam pipes in engine and boiler rooms, 1931      C3604, E4****INDEX TO WORKING DRAWINGS OF LIGHTHOUSE STEAMER CAPE OTWAY, 1931  
C3403****Quantity: 0.45 metres**

This index book lists drawings in alphabetical groups by subject or part of the ship.

**FITTINGS BOOK FOR LIGHTHOUSE STEAMER CAPE OTWAY, 1931****C3400****Quantity: 0.45 metres**

This book was used at Cockatoo Island Dockyard to keep track of fittings orders. Each item ordered is listed in its appropriate alphabetic grouping, followed by details of purchase. The book also contains some order forms, and lists in the back the imported fittings and stores.

**Lighthouse steamer *Cape York***

Allocated ship number 102, the steamer *Cape York* was laid down on 17 December 1924, launched on 30 July 1925, and completed on 10 November 1925. The stern had been built as a pre-assembled unit in 1925. Its length between perpendiculars was 225 feet, and it had gross tonnage of 1406 tons.

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS DUNDULA AND EUDUNDA, COLLIER BILOELA, LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, HOPPER BARGE AND STEAM-DRIVEN LIGHTER CODOCK, 1917–26****C3461****Quantity: 0.02 metres**

See the series description for *Biloela* for further information.

**GUIDANCE DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, 1923–25****C3273****Quantity: 0.18 metres**

See the series description for *Cape Leeuwin* for further information.

**INDEX TO WORKING DRAWINGS OF: LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK; AND REFRIGERATED CARGO STEAMERS TSS FORDSDALE AND FERNDAL, 1923–26****C3647****Quantity: 0.09 metres**

Handwritten entries record the drawing number and title, first for the lighthouse steamers, followed by those for ships 47 and 48.

**ESTIMATE OF COST OF HULL, MACHINERY AND ELECTRICAL EQUIPMENT FOR LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK, 1924****C3409****Quantity: 0.18 metres**

See the series description for *Cape Leeuwin* for further information.

**WORKING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1924–25 C3272**

**Quantity: 0.54 metres**

See the series description for *Cape Leeuwin* for further information.

**LAUNCHING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1924–25 C3287**

**Quantity: 0.09 metres**

See the series description for *Cape Leeuwin* for further information.

**INDEX TO 'AS FITTED', WORKING AND MISCELLANEOUS DRAWINGS OF LIGHTHOUSE  
STEAMERS CAPE LEEUWIN AND CAPE YORK, 1924–26 C3359**

**Quantity: 0.45 metres**

**ISSUE BOOK FOR WORKING DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN,  
CAPE YORK AND CAPE OTWAY AND THE 'AS FITTED' DRAWINGS OF CAPE OTWAY,  
1924–31 C3464**

**Quantity: 0.02 metres**

See the series description for *Cape Leeuwin* for further information.

**MISCELLANEOUS DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE  
YORK, 1925 C3276**

**Quantity: 0.18 metres**

See the series description for *Cape Leeuwin* for further information.

**'AS FITTED' DRAWINGS OF LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE YORK,  
1925–26 C3286**

**Quantity: 0.08 metres**

See the series description for *Cape Leeuwin* for further information.

## Speedboat *Century Tire II*

The speedboat hydroplane *Century Tire II* was constructed at Cockatoo Island Dockyard at Wing Commander Wackett's unit. It was launched on 14 March 1932. Other vessels designed by the unit include a 30 foot runabout boat with a Puma engine and a high speed ferry. Further details are given in Chapter 4.

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD) OF RACING HYDROPLANE *CENTURY TIRE II*, 1932–33 C3478**

**Quantity: 1.20 metres**

## HMAS *Cessnock*

This minesweeper was constructed as ship number 153. Laid down on 16 April 1941, HMAS *Cessnock* was launched on 17 October 1941 and completed on 29 January 1942. Its length and displacement were the same as HMAS *Bathurst*. It was with the allied fleet in Tokyo Bay at the signing of the Japanese surrender and later sold to a Chinese shipping company in 1947. It was scrapped in 1949.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*, *BENDIGO*, *WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*, 1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**WORKING DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*, *BENDIGO*, *WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*, 1939–42 M3148**

**Quantity: 0.36 metres**

Included within this series is an honour roll for HMAS *Cessnock*.

**REGISTER AND INDEX TO WORKING DRAWINGS OF MINESWEEPERS HMAS *WOLLONGONG*, *CESSNOCK*, *MADRAS*, *BENGAL* AND *GLENELG*, 1939–42 M3235**

**Quantity: 0.02 metres**

**'AS FITTED' DRAWINGS OF MINESWEEPER HMAS CESSNOCK, 1941****M2859****Quantity: 0.18 metres**

Items depicted within this series are very similar to those in M2802.

**Arrangement of galley, 1941    M2859, S18****Sketch of rig, 1941    M2859, S20****Speedboat *Cettien***

The speedboat *Cettien* was constructed at Cockatoo Island Dockyard for Mr H McEvoy and was launched on 22 September 1932.

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD OF THE HYDROPLANE *CETTIEN*, 1932  
C3475****Quantity: 0.90 metres****Lighter *Codock***

The steam-driven lighter *Codock*, allocated ship number 105, was constructed at Cockatoo Island Dockyard for use at the dockyard. It was launched on 12 February 1926 and completed on 22 April 1926.

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER  
*BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE  
AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26    C3461****Quantity: 0.02 metres****'AS FITTED' AND WORKING DRAWINGS OF STEAM-DRIVEN LIGHTER *CODOCK*, 1925–26  
C3392****Quantity: 0.09 metres**

These drawings contain information on: general arrangement; stern frame and rudder; midship section; offsets; deck plating; bulkheads and coaming plan; forward and aft body plate lines; lines plan; feed tank; auxiliary seatings and ship side mountings; arrangement of derrick and detail of fittings; paint line; steering gear leads and supports; and section of tonnage.

**Stern frame, rudder and details, 1925    C3392, 1****General arrangement, 1925    C3392, 16**

## Crane stores lighters

Three crane stores lighters, *CSL 01*, *CSL 02* and *CSL 03*, were constructed at Cockatoo Island Dockyard for the Royal Australian Navy. Allocated ship numbers 234, 235 and 236, all three were laid down, launched and completed during 1972.

### **WORKING DRAWINGS OF CRANE STORES LIGHTERS *CSL 01*, *CSL 02* AND *CSL 03*, 1968–72** **M2972**

Quantity: 1.08 metres

### **REGISTER TO WORKING DRAWINGS OF CRANE STORES LIGHTERS *CSL 01*, *CSL 02* AND *CSL 03*, 1971–72** **M2973**

Quantity: 0.02 metres

### **RECORDS RELATING TO CRANE STORES LIGHTERS *CSL 01*, *CSL 02* AND *CSL 03*, 1971–72** **M2976**

Quantity: 0.36 metres

### **'AS FITTED' DRAWINGS OF CRANE STORES LIGHTERS *CSL 01*, *CSL 02* AND *CSL 03*, 1972** **M2996**

Quantity: 0.36 metres

### **'AS FITTED' MECHANICAL DRAWINGS OF CRANE/STORES LIGHTERS *CSL 02* AND *CSL 03*, 1972** **M3172**

Quantity: 0.09 metres

## Barge *Dorlongco*

The steel barge *Dorlongco*, constructed at Cockatoo Island Dockyard for Dorman Long & Co., was allocated ship number 107. It was launched on 12 February 1926, and was used during the construction of the Sydney Harbour Bridge.



**WORKING DRAWINGS OF BARGE *DORLONGCO*, 1925****C3393****Quantity: 0.09 metres**

These six drawings were produced by the Ship Drawing Office at the dockyard, except for drawing number 6 which is a copy from Dorman Long & Co. Limited. The drawings contain information on general arrangement, a steel plan, a diagram of loads, specifications and displacement curve.

**General arrangement, 1925      C3393, 1****Diagram of members from Dorman Long and Co. Ltd, 1925      C3393, 6****Dredgers**

The *Hercules*, ship number 23, was a non-self-propelling dredger built at Cockatoo Island Dockyard for the New South Wales Government. It was laid down on 22 September 1913, launched on 15 January 1914 and completed on 15 April 1915. It was finally scuttled off the NSW coast in 1972.

The dredger *CND2*, allocated ship number 33, was built at the dockyard for the Commonwealth Navigation Department. It was laid down on 4 August 1914, launched on 16 February 1915 and completed on 21 August 1915.

There are also plans of dredgers built by others at about this time, included a single screw dredger (number 19) and a Sternwell hopper dredger (number 3). See also the section on *A S Mayne*.

**GUIDANCE DRAWINGS PROVIDED FOR THE CONSTRUCTION OF A SINGLE SCREW DREDGER, 1913–14      C3297****Quantity: 0.05 metres****Lines plan, 1913      C3297, A****Main framing, 1913      C3297, H****WORKING DRAWINGS OF BUCKET DREDGER *HERCULES*, 1913–15****C3311****Quantity: 0.05 metres****Launching arrangement, 1913      C3311, C****Amended arrangement and details of chain guides for fore and aft winches, 1915      C3311, K**

**'AS FITTED' AND WORKING DRAWINGS OF BUCKET DREDGER, 1914–15      C3285****Quantity: 0.36 metres**

This series consists of drawings which show design, general arrangement, machinery layout and fittings. There is also a set of eight photographs of the construction.

**General arrangement plan, 1914      C3285, 7**

**Profile ('as fitted' drawing), 1915      C3285, 61/5**

**DRAWINGS OF STERNWELL HOPPER DREDGER NUMBER 3, 1914–16      C3423****Quantity: 0.36 metres**

Drawings include details of the general arrangement, keel, framing and bulkheads.

**Keel plan, 1914      C3423, 2**

**Accommodation plan, 1915      C3423, 19**

**Cargo ship SS *Dundula***

The cargo ship SS *Dundula* was not allocated a Cockatoo Dockyard ship number, but instead was known by its Commonwealth Line ship number 6. Laid down on 8 July 1918, SS *Dundula* was launched on 9 July 1919, and was completed on 3 November 1919. Both the *Dundula* and the *Eudunda* were constructed at the dockyard for the Commonwealth Government Line. *Dundula* was the first commercial cargo ship built at the dockyard. Its overall length was 331 feet and displacement was 3344 tons.

**WORKING DRAWINGS OF CARGO SHIP SS *DUNDULA*, 1917–21      C3290****Quantity: 1.53 metres**

Details recorded in these drawings include general arrangements, sections and transverse, shell expansion, arrangement of salt and fresh water services, accommodation plans, capacity plan and deadweight scale.

**Profile and deck plans, 1918      C3290, 14**

**Bridge space, 1919      C3290, 171A**

**INDEX TO WORKING DRAWINGS OF CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, 1917–22  
C3460****Quantity: 0.02 metres**

This index book refers to drawings, within alphabetical sections by parts of the vessels. Entries for SS *Dundula* are first, followed by those for SS *Eudunda*. Information recorded for each ship consists of drawing number and title.

**LIST OF DRAWINGS OF CARGO SHIPS SS *EUDUNDA* AND *DUNDULA*, 1917–22  
C3459****Quantity: 0.02 metres**

This typed numerical list of drawings for SS *Eudunda* and SS *Dundula* records drawing numbers and titles.

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER *BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26  
C3461****Quantity: 0.02 metres****Passenger vehicle ship *Empress of Australia***

The passenger vehicle ship *Empress of Australia*, with roll-on roll-off capacity, was constructed for the Australian National Line at Cockatoo Island Dockyard as ship number 220. It was laid down on 11 September 1962, launched on 18 January 1964 and completed on 8 January 1965. The *Empress of Australia* was the largest ship of this type in the world, being 445 feet in overall length and having gross tonnage of 12 037 tons. It was designed to accommodate 250 passengers, 51 cars and 33 semi trailers. The vessel operated between Sydney and Tasmania. Renamed *Royal Pacific*, the vessel sank in the Malacca Strait after colliding with a Taiwanese fishing vessel in 1991.

**ELECTRICAL RECORDS RELATING TO PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1957–65  
M3195****Quantity: 0.18 metres**

This series also includes folders of information, correspondence and test certificates from the English Electric Co. of Australia, charts of expenditure and a list of cost headings.

**CORRESPONDENCE FILES RELATING TO THE CONSTRUCTION AND FITTING OUT OF  
PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1961–67 M2948**

**Quantity: 0.54 metres**

Examples include:

**Order and contract for vessel, 1963–65 M2948, A.1**

**Anchors and cables, 1962–63 M2948, B.14**

**RECORDS RELATING TO LITIGATION CONCERNING THE STERN DOOR OF PASSENGER  
VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1961–67 M3160**

**Quantity: 0.54 metres**

This series includes specifications, drawings, correspondence, trials reports and other technical information, and daily labour return forms and costing details.

B A Boyle & Associates had been contracted to design and supply the hydraulically operated stern door which was manufactured by Newcastle Engineering Pty Limited. After the failure of the door during trials, new hydraulic rams, modified door structure and new gear quadrants were fitted and the door track on the ship modified.

**ARCHITECTS' DRAWINGS AND SCHEDULES FOR PUBLIC ROOMS AND CABINS OF  
PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–63 M2990**

**Quantity: 0.36 metres**

The drawings in this series cover elevations, perspectives, fittings, lighting and furniture, and are mostly copies that have been amended or altered by the dockyard. A series of photographs of some of these drawings is held as series M2890.

**Cabins, 1962–63 M2990, NN**

**Lounges, 1962–63 M2990, NN**

**Furniture and fittings drawings, 1962–63 M2990, NN**

**PHOTOGRAPHS OF DESIGNS AND FITTINGS FOR THE PUBLIC ROOMS ON PASSENGER  
VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–63 M2890**

**Quantity: 0.18 metres**

**Dining saloon, 1962 M2890, 1**

**Children's playroom, 1962 M2890, 9**

**Passengers' smoke room – elevations, 1962 M2890, 24**

**MAKERS' HANDBOOKS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–63  
M3020**

**Quantity: 0.36 metres**

The makers' handbooks in this series were supplied by manufacturers and shipbuilders for the installation and fitting of parts to the *Empress of Australia*.

**WORKING DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–64  
M2942**

**Quantity: 1.98 metres**

The drawings in this series cover the design, general arrangement and fit out of the *Empress of Australia*, and were used in the construction of the vessel.

**Mooring arrangement and detail of deck fittings, 1963      M2942, 220/117-1**

**Arrangement and details of stanchions in way of games area, 1964      M2942, 220/304**

**MAKERS' DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–64  
M2991**

**Quantity: 0.54 metres**

The makers' drawings in this series are copies and cover three main areas of the ship's construction. The first set of drawings deals mainly with the parts for side lights, watertight doors and windows; the second set concerns mainly the parts for and the arrangement of the sprinkler system; the third set relates to the air conditioning system.

**INDEX TO WORKING DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–64  
M2959**

**Quantity: 0.18 metres**

**'AS FITTED' ELECTRICAL HANDBOOKS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–64  
M3068**

**Quantity: 0.18 metres**

Handbooks in this series relate to electrical equipment and consist of installation, operating and instruction manuals, and booklets of electrical spares. The earliest appears to date from 1945.

**ISSUE BOOK FOR WORKING DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–65      M3227**

**Quantity: 0.09 metres**

**RECORDS RELATING TO PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–65  
M2745**

**Quantity: 0.09 metres**

The five items in this series were found scattered among other records and were brought together to form a series. They consist of forging and miscellaneous sketches, memoranda and a materials listing.

**Forging sketch (FS1) – propeller shaft, 1962      M2745, 1**

**Miscellaneous sketch (6021) – name plates, 1965      M2745, 4**

**FILES AND DRAWINGS RELATING TO PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–67      M3048**

**Quantity: 0.36 metres**

The twelve miscellaneous items in this series consist of drawings, letters, tables, diagrams, calculations, invoices, certificates, forms and issue books.

**Invoices of Australian Shipbuilding Board, 1962–63      M3048, 6**

**Correspondence, certificates and forms, 1963–67      M3048, 10**

**CORRESPONDENCE FILES FROM THE PRODUCTION OFFICE RELATING TO THE  
CONSTRUCTION OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–67  
M3044**

**Quantity: 0.18 metres**

**INTERIOR DESIGN DRAWINGS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963                      M3114**

**Quantity: 2.80 metres**

The five items in this series are design drawings by Gwendoline Barr-Brice.

**Lounge room, 1963                      M3114, 1**

**Smoke room, 1963                      M3114, 2**

**Dining saloon, 1963                      M3114, 3**

**Dining saloon hall, 1963                      M3114, 4**

**Main entrance hall, 1963                      M3114, 5**

**ISSUE BOOK FOR ARCHITECTS' AND MAKERS' DRAWINGS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963                      M3322**

**Quantity: 0.09 metres**

**MECHANICAL WORKING DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963–64                      M2875**

**Quantity: 0.97 metres**

**PIPE ARRANGEMENT DETAIL SHEETS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963–64                      M2762**

**Quantity: 0.18 metres**

This series consists of machinery unit sketches which comprise detailed drawings of the layout, arrangement and fitting of piping for machinery or machinery parts on the ship. A copy was placed on the ship and one was left with the ship's builder, Cockatoo Docks & Engineering Co. Pty Limited.

**REGISTER TO MECHANICAL DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963–64                      M3061**

**Quantity: 0.09 metres**

This register has sections covering sundry sketches, boilers, piping systems, pipe arrangement drawings, guidance drawings and sketch sheets. The register is the main control record for the series of mechanical drawings of the vessel in series M2875, as well as for other mechanical drawings.

**INDEX TO PIPE ARRANGEMENT DETAIL SHEETS FOR PASSENGER VEHICLE  
SHIP *EMPRESS OF AUSTRALIA*, 1963–64 M2823**

**Quantity: 0.18 metres**

**ISSUE BOOK FOR DRAWINGS OF FURNITURE AND HULL PIPING DETAILS, AND HULL  
FITTING LIST SHEETS FOR PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963–  
64 M3321**

**Quantity: 0.09 metres**

**ISSUE BOOK FOR MECHANICAL AND ELECTRICAL WORKING DRAWINGS OF  
PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1963–65 M3320**

**Quantity: 0.09 metres**

This book functions as a part register to the drawings of the *Empress of Australia* in series M2875 and C3512.

**MAIN MACHINERY SEA TRIAL RESULTS FOR PASSENGER VEHICLE SHIP *EMPRESS OF  
AUSTRALIA*, 1964 M2744**

**Quantity: 0.09 metres**

This series is a collection of the results from the sea trials conducted in 1964. The records show the final results from the main machinery trials, depicted in graphs and tables.

**'AS FITTED' ELECTRICAL DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF  
AUSTRALIA*, 1964–65 M3161**

**Quantity: 0.18 metres**

This series consists of two folders: 'Diagrams and arrangements of low power circuits' and 'Diagrams of electric lighting and power circuits'.

**FOLDERS OF RESULTS OF BALANCING ELECTRICAL CIRCUITS AND FITTINGS FOR  
PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA* AND ESCORT MAINTENANCE SHIP  
HMAS *STALWART* (COCKATOO DOCKYARD SHIP NUMBERS 220 AND 221), 1964–68  
M3255**

**Quantity: 0.09 metres**



**'AS FITTED' DRAWINGS OF PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1965  
M2884****Quantity: 0.18 metres**

The drawings in this series show the ship's general arrangement, mechanical layout, design and outfit upon completion, and cover profiles, shell expansions, and exterior fittings.

**General arrangement – profile and vehicle deck, 1965      M2884, 1****Shell expansion, 1965      M2884, 34****Cargo Ship SS *Eudunda***

As with SS *Dundula*, the cargo ship SS *Eudunda* was not allocated a Cockatoo Dockyard ship number, but was known by its Commonwealth Line ship number 35. It was laid down on 22 September 1919, launched on 29 March 1920, and completed on 14 December 1920. Its overall length was 331 feet and displacement was 3 352 tons. The main machinery was installed at Williamstown Naval Dockyard in Victoria due to delays in completion at Cockatoo Island Dockyard. Later, renamed *Mangola*, *Eudunda* served until 1957 with Burns Philp & Co.

**INDEX TO WORKING DRAWINGS OF CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, 1917–22  
C3460****Quantity: 0.02 metres****LIST OF DRAWINGS OF CARGO SHIPS SS *EUDUNDA* AND *DUNDULA*, 1917–22  
C3459****Quantity: 0.02 metres**

See the series description for cargo ship SS *Dundula* for further information.

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER *BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26      C3461****Quantity: 0.02 metres**

**WORKING DRAWINGS OF CARGO SHIP SS EUDUNDA, 1918–22****C3301****Quantity: 1.71 metres**

This series consists of working drawings used in the construction of the cargo ship SS *Eudunda*, completed in 1920. Some relate to sister ships, eg SS *Erriba*, *Emita*, *Eurelia Enoggera* and *Eromanga*. Some 'as fitted' drawings are included.

**Lines plan, undated      C3301, 2****Profile and deck plans ('as fitted'), undated      C3301, 186****GUIDANCE DRAWINGS FOR CARGO SHIP SS EUDUNDA, 1919–20****C3462****Quantity: 0.02 metres**

This series consists of three items, although a larger number may have existed previously. All three drawings relate to launching/docking arrangements.

**Position on No. 1 slipway, 1919      C3462, C24****Launching platform and barriers, 1919      C3462, C28****Flat top lighters**

Twenty-one 60 ton flat top lighters were constructed at Cockatoo Island Dockyard for the Royal Australian Navy. Ship/job number 231 was allocated for preparatory work, and number 232 for their construction. The first was laid down on 13 January 1971 and launched on 30 March 1971, while the last was completed on 23 November 1971.

**DRAWINGS AND DOCUMENTS RELATING TO FLAT TOP LIGHTERS, 1968–72**  
**M3101****Quantity: 0.18 metres****Floating workshop barge**

This floating workshop barge was constructed for use at Cockatoo Island Dockyard in 1925. It was allocated ship number 103.

**WORKING DRAWINGS OF FLOATING WORKSHOP BARGE, 1925–26****C3394****Quantity: 0.09 metres**

This set of working drawings contains information on the steel plan; general arrangement; hull specification; arrangement of workshop; plant and machinery; seating plan; deck castings and ventilation; seating for air compressor; diesel engine; machinery pipes and connections; arrangement of derrick; details of fittings; electric generator; fresh water and sanitary tanks; signboard; and displacement curve.

## Cargo steamers *Fordsdale* and *Ferndale*

The refrigerated cargo steamers TSS *Fordsdale* and *Ferndale* were not allocated Cockatoo Dockyard ship numbers, but were known by their Commonwealth Line ship numbers 47 and 48. At the time of their construction for the Commonwealth Government Line, they were the largest and fastest merchant ships built in Australia. They were laid down on 29 March 1922 and 28 June 1923, launched on 21 June 1923 and 12 June 1924, and completed on 13 March 1924 and 20 October 1924 respectively. Their overall length was 500 feet, and gross tonnage was 9570 tons.

### **REGISTER TO GUIDANCE, SUBMITTED AND WORKING DRAWINGS OF COAL STORAGE VESSEL HMAFA *MOMBAH* AND OF REFRIGERATED CARGO STEAMERS TSS *FORDSDALE* AND *FERNDALE*, 1919–29 C3405**

**Quantity: 0.45 metres**

### **LAUNCHING PLANS, DIAGRAMS AND CALCULATION CHARTS FOR REFRIGERATED CARGO STEAMERS TSS *FORDSDALE* AND *FERNDALE*, 1923–24 C3315**

**Quantity: 0.18 metres**

Some plans from this series, originally drawn for ship number 47, have been amended by the staff at Cockatoo Island Dockyard for use for ship number 48.

**Arrangement drags at launch (47), 1923 C3315, 2**

**Lines plan and curves, 1919–23 C3315, 14**

### **WORKING DRAWINGS OF REFRIGERATED CARGO STEAMERS TSS *FORDSDALE* AND *FERNDALE*, 1923–25 C3269**

**Quantity: 1.44 metres**

The drawings in this series were probably supplied to Cockatoo Island Dockyard by the client and amended and used by the dockyard in the construction of the vessels. The drawings show the design, mechanical layout, and general fitout of the vessel. Also included in the series are builders' certificates, specifications and results of electrical trials. As these were the first refrigerated cargo ships built at the dockyard there is a quantity of blueprints dealing with the machinery and arrangement of the two refrigerated cargo holds.

**Midship accommodation and hospital aft and fly, 1923 C3269, 191**

**Builder's certificate for ships 47 and 48, 1925 C3269, 288**

**INDEX TO WORKING DRAWINGS OF REFRIGERATED CARGO STEAMERS TSS  
FORDSDALE AND FERNDAL, 1923–25 C3402**

**Quantity: 0.45 metres**

This series consists of a book providing an alphabetical index to the working drawings of the proposed three refrigerated twin screw steamers to be built at Cockatoo Island Dockyard. Although titled ships 48–50, the index relates to Isherwood ships 47 and 48, TSS *Fordsdale* and *Ferndale*. The drawings controlled are in series C3269.

**FINAL COST STATEMENTS FOR REFRIGERATED CARGO STEAMERS TSS FORDSDALE  
AND FERNDAL, 1923–25 C3411**

**Quantity: 0.18 metres**

The final cost statements in this series were the records used by Cockatoo Island Dockyard to evaluate the cost of the construction of the refrigerated cargo steamers TSS *Fordsdale* and *Ferndale*.

Each ship was allocated a separate book for the final cost statement, recording the cost of each item number, a description of the item, wages, dockyard material, and ship construction branch material. These entries are followed by a summary. The book ends with a statement showing the actual dockyard cost of construction, divided into hull items and machinery items.

**INDEX TO WORKING DRAWINGS OF: LIGHTHOUSE STEAMERS CAPE LEEUWIN AND CAPE  
YORK AND REFRIGERATED CARGO STEAMERS TSS FORDSDALE AND FERNDAL, 1923–  
26 C3647**

**Quantity: 0.09 metres**

See the series description for Cape *York* for further information.

**‘AS FITTED’ DRAWINGS OF REFRIGERATED CARGO STEAMERS TSS FORDSDALE AND  
FERNDAL, 1924 C3289**

**Quantity: 0.18 metres**

The drawings in this series provide a record of TSS *Fordsdale* and *Ferndale* upon completion. Included are general arrangements, docking plans, and details of insulation and rigging.

**General arrangement, shelter boat and forecastle decks and bridges, 1924  
C3289, 19**

**Capacity plan and deadweight scale, 1924 C3289, 20**

## HMAS *Glenelg*

The minesweeper HMAS *Glenelg* was allocated ship number 157. It was laid down on 2 March 1942, launched on 22 September 1942, and completed on 19 November 1942. As with the HMAS Bathurst, its length was 186 feet and its displacement was 735 tons. It was eventually sold for scrap in 1957.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**WORKING DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–42 M3148**

**Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**REGISTER AND INDEX TO WORKING DRAWINGS OF MINESWEEPERS HMAS WOLLONGONG, CESSNOCK, MADRAS, BENGAL AND GLENELG, 1939–42 M3235**

**Quantity: 0.02 metres**

**‘AS FITTED’ DRAWINGS OF MINESWEEPER HMAS GLENELG, 1942 M2847**

**Quantity: 0.18 metres**

Items within this series are very similar to those in series M2802.

**General arrangement, 1942 M2847, A**

**Calibration tables, 1942 M2847, S20**

## HMAS *Goulburn*

Allocated ship number 149, the minesweeper HMAS *Goulburn* was laid down on 9 July 1940, launched on 16 November 1940, and completed on 27 February 1941. It was later scrapped in 1953.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*,  
*BENDIGO*, *WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*,  
1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**WORKING DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*, *BENDIGO*,  
*WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*, 1939–42  
M3148**

**Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**'AS FITTED' DRAWINGS OF MINESWEEPER HMAS *GOULBURN*, 1940–41  
M2804**

**Quantity: 0.18 metres**

This series of drawings includes general arrangements, and fresh and salt water services.

**General arrangement – sheet 1, 1941 M2804, A**

**Inclining experiment, 1941 M2804, S23**

## **Launch *Gresswell***

The steam launch *Gresswell* was constructed as ship number 21 at Cockatoo Island Dockyard for the Customs Department. It was laid down on 3 November 1913, launched on 7 November 1914 and completed on 2 July 1915.

**WORKING DRAWINGS OF STEEL STEAM LAUNCH *GRESSWELL*, 1913–15 C3499**

**Quantity: 0.36 metres**

These drawings contain information on general arrangements, offsets, body plan, bulkheads, deck plating and other details. A folder of correspondence and an exercise book containing offsets are included.

**Body plan, 1913 C3499, 2**

**Lines of model, 1913 C3499, 3**

## Tug *Hinton*

The hull of the steam tug *Hinton* was constructed at Cockatoo Island Dockyard for the New South Wales Government. It was laid down on 2 April 1936, launched on 4 August 1936 and completed on 8 September 1936. It was allocated ship number 118 by the dockyard.

### WORKING DRAWINGS OF STEAM TUG *HINTON*, 1935–36

**M2786****Quantity: 0.18 metres**

Drawings in this series show the design, arrangement, general fit, mechanical layout and framing of the steam tug *Hinton*. Some 'as fitted' drawings are included.

**General arrangement, 1936      M2786, 1A****Propeller shaft and stern tube, 1936      M2786, 31**

### ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39

**M3228****Quantity: 0.09 metres**

## Hopper barge

This 100 ton hopper barge was constructed for use at Cockatoo Island Dockyard. It was allocated ship number 104.

**REGISTER TO DRAWINGS OF: CARGO SHIPS SS *DUNDULA* AND *EUDUNDA*, COLLIER *BILOELA*, LIGHTHOUSE STEAMERS *CAPE LEEUWIN* AND *CAPE YORK*, HOPPER BARGE AND STEAM-DRIVEN LIGHTER *CODOCK*, 1917–26      C3461**

**Quantity: 0.02 metres**

### WORKING DRAWINGS OF HOPPER BARGE, 1925–26

**C3395****Quantity: 0.09 metres**

This series of four drawings contain information on the structural plan; door hoisting gear at winches; guard stanchions; and a displacement curve.

## Hopper barges 77 and 78

Steel dumb hopper barges 77 and 78 were constructed at Cockatoo Island Dockyard for the New South Wales Government, as ship numbers 133 and 134. Both were laid down on 15 February 1939 and launched on 17 July 1939. Number 77 was completed on 8 September 1939, and number 78 on 1 September 1939.

**ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39****M3228****Quantity: 0.18 metres****WORKING DRAWINGS OF STEEL DUMB HOPPER BARGES 77 AND 78, 1938–39  
M2787****Quantity: 0.18 metres**

These drawings show the design, arrangement, general fit, mechanical layout, and framing of the barges, as well as the pumping arrangement, castings, bollards and plating.

**General arrangement, 1939      M2787, 1****Type hopper door winch, 1939      M2787, 31****HMAS *Huon***

The torpedo boat destroyer HMAS *Huon* was allocated ship number 4. Its measurements were 250 feet overall with a displacement of 700 tons. It was laid down on 25 January 1913, launched on 14 December 1914, and completed on 4 February 1916. Originally named HMAS *Derwent*, HMAS *Huon* was the first steel warship wholly built in Australia.

**WORKING DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND *SWAN*, 1912–16      C3270****Quantity: 0.9 metres**

Working drawings in this series show the design, general arrangement, arrangement of machinery and the general outfit of the ships. Also included in the series are launching diagrams and results of speed trials. Some of these have been taken from the working drawings of an earlier destroyer built in part at Cockatoo Island Dockyard, the *Warrego*.

**Arrangement of messing and sleeping, 1913      C3270, 1/2****Torpedo tube supports, 1913      C3270, 1/5****GUIDANCE DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND *SWAN*, 1912–16      C3271****Quantity: 0.36 metres****Midship section, 1912      C3271, 6****Plan of side houses (officers accommodation), 1912      C3271, 32**



**'AS FITTED' AND WORKING ELECTRICAL DRAWINGS OF TORPEDO BOAT DESTROYERS  
HMAS HUON, TORRENS AND SWAN, 1913–18 C3538****Quantity: 0.98 metres**

These drawings cover such aspects as electrical circuits, decktubes, watertight bulkheads, terminal boxes, arrangement of fans, bell circuits, fuse boxes, gun circuits and arrangement of electrical lighting.

**Arrangement of lightning conductor and signal lamp, 1915 C3538, 50****Semaphore flash lantern, 1916 C3538, 82****'AS FITTED' DRAWINGS OF TORPEDO BOAT DESTROYER HMAS HUON, 1914–18  
C3274****Quantity: 0.18 metres**

These drawings include general arrangements, docking plans, painting statements and completed forms.

**General arrangement profile upper deck and forecastle, 1916 C3274, 1****Body plan, 1916 C3274, 22****'J' class submarines**

After the end of World War I, six 'J' class submarines were handed over to the Royal Australian Navy by the British Admiralty. These double-hulled, ocean-going submarines, known as *J1–J5* and *J7*, were serviced at Cockatoo Island Dockyard for a short period.

**'AS FITTED', WORKING, AND STANDARD DRAWINGS OF 'J' AND 'K' CLASS SUBMARINES,  
1911–17 C3377****Quantity: 0.18 metres**

These drawings of J and K class submarines contain information concerning their arrangement and layout. They were probably used at the dockyard for reference in servicing the submarines. Some specifications are included.

**18" broadside torpedo tubes, HM submarines 'J' and 'K' (specification),  
undated C3377, 3****Tables of particulars of submarines, undated C3377, 50**

**'AS FITTED' AND WORKING DRAWINGS OF 'J' AND 'K' CLASS SUBMARINES, 1915–17  
C3376****Quantity: 0.18 metres**

This series of drawings contains information concerning arrangement, layout of machinery, fitting and trials of the submarines.

**Intermediate shaft details, J class, 1915      C3376, 1/12****Gauges for 18" submerged broadside torpedo tubes, undated      C3376, 9/3****WORKING DRAWINGS OF 'J' CLASS SUBMARINES, SINGLE NUMBER SERIES, 1919–21  
C3370****Quantity: 0.18 metres**

These drawings contain information concerning arrangement, fitting, layout of machinery and trials.

**Details of false seating for fuel measuring pump valve, 1919      C3370, 3****Submarine J4 engine number 982, engine, settings full, power, trials, 1920  
C3370, 45****HMAS *Kangaroo***

Allocated ship number 141, the boom defence vessel HMAS *Kangaroo* was laid down on 15 November 1939, launched on 4 May 1940 and completed on 26 September 1940. It was 178 feet 6 inches in length overall, and its displacement was 786 tons. It was dismantled in 1968.

**'AS FITTED' DRAWINGS OF BOOM DEFENCE VESSEL HMAS *KANGAROO*, 1938–40  
M2924****Quantity: 0.09 metres**

The drawings in this series include the shell expansion, pumping and the hold.

**Profile and bridges, 1940      M2924, 1****Tests of watertight and oiltight compartments, 1940      M2924, 9**

**WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOALA, KANGAROO AND KARANGI, 1939–41 M3079**

**Quantity: 0.36 metres**

Drawings include general arrangements, profile, sections, lines plan and a rigging plan.

**Koala and Kangaroo profile, general arrangement, 1939 M3079, 1**

**Scheme of painting, 1939 M3079, 139**

**REGISTER TO WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOALA, KANGAROO AND KARANGI, 1939–41 M3223**

**Quantity: 0.09 metres**

Included in this register is an index and a register to working drawings for the conversion of the steamer *Moreton Bay*. The latter does not relate to working drawings for the conversion of *Moreton Bay* which are held in M2846.

**WORKING MECHANICAL DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOOKABURRA, KOALA, KANGAROO AND KARANGI, 1939–54 M2826**

**Quantity: 0.18 metres**

This series of nine mechanical drawings was used in the construction of the main and auxiliary machinery.

**HMAS *Karang*i**

HMAS *Karang*i was allocated ship number 151. It was laid down on 5 February 1941, launched on 16 August 1941 and completed on 22 December 1941. Its specifications were the same as for HMAS *Kangaroo*. It was dismantled in 1965.

**WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOALA, KANGAROO AND KARANGI, 1939–41 M3079**

**Quantity: 0.36 metres**

See the series description for HMAS *Kangaroo* for further information.

**REGISTER TO WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOALA, KANGAROO AND KARANGI, 1939–41 M3223**

**Quantity: 0.09 metres**

**WORKING MECHANICAL DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOOKABURRA, KOALA, KANGAROO AND KARANGI, 1939–54 M2826**

**Quantity: 0.18 metres**

See the series description for HMAS *Kangaroo* for further information.

**‘AS FITTED’ DRAWINGS OF BOOM DEFENCE VESSEL HMAS KARANGI, 1941 M2895**

**Quantity: 0.18 metres**

The drawings in this series provide a record on completion of HMAS *Karang*i, the last of the boom defence vessels built at the dockyard. The drawings cover the general arrangement, mechanical layout, design and outfit. Some of the drawings are coloured to indicate such arrangements as piping systems and plate material.

**Profile and bridges, 1941 M2895, S1**

**Shell expansion, 1941 M2895, S6**

## *HMAS Kookaburra*

The boom defence vessel HMAS *Kookaburra* was built at Cockatoo Island Dockyard for the Royal Australian Navy as ship number 126. It was laid down before the outbreak of World War II on 4 July 1938, launched on 29 October 1938, and completed on 28 February 1939. HMAS *Kookaburra* was 135 feet in overall length, with displacement of 533 tons. HMAS *Kookaburra* was paid off in 1958, and finally scuttled in March 1970.

**WORKING DRAWINGS OF BOOM DEFENCE VESSEL HMAS KOOKABURRA, 1934–39 M3104**

**Quantity: 0.99 metres**

The drawings in this series include general arrangements, specifications, lines and framing plan, keel details, water and drainage services, and ventilation.

**General arrangement of decks and hold, 1938 M3104, 2**

**Vegetable and potato locker, beef screen and lifebelt rack, 1938 M3104, 92**

**ISSUE BOOK FOR WORKING DRAWINGS OF BOOM DEFENCE VESSEL HMAS KOOKABURRA, 1937–38 M3221**

**Quantity: 0.09 metres**

This series also partly functioned as a register to M3104. Other sections in the book refer to: drawings with two number indicators, probably from the Navy Office; guidance drawings of HMS *Dunnet*; notes relating to boat blocks, and tanks and deck castings; and the ship's complement.

**MANUFACTURERS' DRAWINGS OF BOOM DEFENCE VESSEL HMAS *KOOKABURRA*, 1937–40  
M3105**

**Quantity: 0.18 metres**

Manufacturers' drawings in this series relate to equipment required for the vessel.

**'AS FITTED' DRAWINGS OF BOOM DEFENCE VESSEL HMAS *KOOKABURRA*, 1939  
M2923**

**Quantity: 0.09 metres**

This series of drawings includes docking plans, tests and sections.

**Sections, 1939      M2923, 3**

**Shell expansion, 1939      M2923, 6**

**WORKING MECHANICAL DRAWINGS OF BOOM DEFENCE VESSELS HMAS *KOOKABURRA*,  
*KOALA*, *KANGAROO* AND *KARANGI*, 1939–54      M2826**

**Quantity: 0.18 metres**

See the series description for HMAS *Kangaroo* for further information.

**HMAS *Koala***

The boom defence vessel HMAS *Koala* was allocated ship numbers 135. It was laid down on 21 June 1939, launched on 4 November 1939, and completed on 27 March 1940. Its specifications were the same as for HMAS *Kangaroo* and HMAS *Karangi*. HMAS *Koala* was taken to Brisbane for scrap in 1971.

**'AS FITTED' DRAWINGS OF BOOM DEFENCE VESSEL HMAS *KOALA*, 1938–40  
M2922**

**Quantity: 0.18 metres**

The drawings in this series include instructions for running and maintenance of the plant; specifications; docking plans; shell expansion and pressure lubricator.

**Upper and lower decks and holds, 1940      M2922, 2**

**Specifications, 1940      M2922, 12**

**WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS *KOALA*, *KANGAROO* AND  
*KARANGI*, 1939–41      M3079**

**Quantity: 0.36 metres**

See the series description for HMAS *Kangaroo* for further information.

**REGISTER TO WORKING DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOALA,  
KANGAROO AND KARANGI, 1939–41 M3223**

**Quantity: 0.09 metres**

**WORKING MECHANICAL DRAWINGS OF BOOM DEFENCE VESSELS HMAS KOOKABURRA,  
KOALA, KANGAROO AND KARANGI, 1939–54 M2826**

**Quantity: 0.18 metres**

See the series description for HMAS *Kangaroo* for further information.

## **HMIS *Madras***

HMIS *Madras* was one of two minesweepers (the other was HMIS *Bengal*) built for the Royal Indian Navy at the Cockatoo Island Dockyard. Allocated ship number 155, it was laid down on 4 August 1941, launched on 17 February 1942, and completed on 22 May 1942.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN,  
BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL,  
1939–41 M2842**

**Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**‘AS FITTED’ DRAWINGS OF MINESWEEPERS HMIS MADRAS AND HMIS BENGAL, 1939–42  
M2857**

**Quantity: 0.18 metres**

**WORKING DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN, BENDIGO,  
WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL, 1939–42  
M3148**

**Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**Outline for camouflage, HMIS Madras, 1942 M3148, 420**

**REGISTER AND INDEX TO WORKING DRAWINGS OF MINESWEEPERS HMAS  
WOLLONGONG, CESSNOCK, MADRAS, BENGAL AND GLENELG, 1939–42  
M3235**

**Quantity: 0.02 metres**

## HMAFA *Mombah*

Coal storage vessel HMAFA *Mombah*, ship number 65, was constructed at Cockatoo Island Dockyard for the Royal Australian Navy. It was laid down on 21 October 1920, launched on 23 April 1921 and completed on 20 February 1923. Its length was 315 feet overall, and gross tonnage 3 440 tons.

### WORKING DRAWINGS OF COAL STORAGE VESSEL HMAFA *MOMBAH*, 1919–21 C3292

**Quantity: 0.72 metres**

Working drawings in this series include all aspects of the ship's design and construction.

**General arrangement – carpenter's plan, 1920** C3292, 1

**Stream anchor arrangement and details, 1921** C3292, 90

### GUIDANCE DRAWINGS OF COAL STORAGE VESSEL HMAFA *MOMBAH*, 1919–21 C3291

**Quantity: 0.18 metres**

This series of drawings covers the general arrangement of the vessel, the keel, details of bollards, funnels and rudders, arrangement of machinery, generators and hatches, the position of masts, winches and deckhouses.

**General arrangement, 1919** C3291, 1

**Midship deckhouses, 1920** C3291, 17

### MISCELLANEOUS RECORDS OF COAL STORAGE VESSEL HMAFA *MOMBAH*, 1919–23 C3295

**Quantity: 0.18 metres**

Documents include the specifications that were issued by the Navy Office in 1919; a second set relating directly to the design of the vessel; a record of weights taken while the ship was being built and an account of the water and weights on board the ship; and a form recording details of masts, etc.

**Specifications for the building of a coal storage vessel, 1919** C3295, 1–1

**Form recording details of masts etc, 1923** C3295, 3

### REGISTER TO GUIDANCE, SUBMITTED AND WORKING DRAWINGS OF COAL STORAGE VESSEL HMAFA *MOMBAH* AND OF REFRIGERATED CARGO STEAMERS TSS *FORDSDALE* AND *FERNDAL*, 1919–29 C3405

**Quantity: 0.45 metres**

**'AS FITTED' DRAWINGS OF COAL STORAGE VESSEL HMAFA *MOMBAH*, 1920–23  
C3294****Quantity: 0.18 metres**

These drawings show such details as rudder construction, pumping arrangements, docking plans, capacity plans, moulded dimensions of the ship and its overall general arrangement.

**General arrangement, undated      C3294, A****Hydrostatic curves, 1923      C3294, H****Steamer *Moreton Bay* – conversion**

The steamer *Moreton Bay* was converted to an armed merchant cruiser at the dockyard in August 1939. It was allocated ship/job number 143.

**WORKING DRAWINGS OF THE CONVERSION OF STEAMER *MORETON BAY* TO AN ARMED  
MERCHANT CRUISER, 1935–41      M2846****Quantity: 0.18 metres**

Drawings include general arrangements, plating, gun supports and magazines.

**Arrangement of flying bridge, R/F and gun director, 1941      M2846, 13****Arrangement of poop prior to modification, 1940      M2846, 67****Oberon class submarines – refit**

During the 1960s and 1970s, six Oberon or 'O' class submarines were ordered from Britain by the Commonwealth Government. Between 1971 and 1991, the dockyard completed 14 refits, 15 mid-cycle survey dockings and 39 intermediate dockings of the submarines HMAS *Oxley*, HMAS *Otway*, HMAS *Ovens*, HMAS *Onslow*, HMAS *Orion* and HMAS *Otama*. In addition, HMS *Odin*, belonging to the UK Government and stationed in Australia with the Australian Submarine Squadron, was docked for work in 1974 and 1975. These records will be available to the public when they are 30 years old.

**SAMPLE PACK OF RECORDS RELATING TO DOCKINGS OF 'O' CLASS SUBMARINE  
HMS *ODIN*, 1973–75      M3170****Quantity: 0.09 metres****'O' CLASS SUBMARINE REFIT CORRESPONDENCE FILES, 1975–91      M3047****Quantity: 1.98 metres**



**FOLDERS OF PRECIS SHEETS FOR 'O' CLASS SUBMARINE REFIT CORRESPONDENCE  
FILES, 1975–91 M3056**

**Quantity: 0.54 metres**

**SAMPLE PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR  
THE INTERMEDIATE DOCKING OF 'O' CLASS SUBMARINE HMAS ONSLOW, 1979  
M3106**

**Quantity: 0.18 metres**

**FOLDERS OF INFORMATION RELATING TO THE SECOND REFIT OF 'O' CLASS  
SUBMARINE HMAS OVENS, 1980–82 M3137**

**Quantity: 1.62 metres**

**FOLDER OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR THE  
INTERMEDIATE DOCKING OF 'O' CLASS SUBMARINE HMAS OVENS, 1984  
M3098**

**Quantity: 0.45 metres**

**SAMPLE PACK OF INTERNAL DOCUMENTATION PRODUCED BY THE PLANNING  
DEPARTMENT FOR THE THIRD REFIT OF 'O' CLASS SUBMARINE HMAS OXLEY, 1984–87  
M3166**

**Quantity: 0.09 metres**

## **Ocean-going tugs**

Three ocean-going 'A' class tugs, known as *TA1*, *TA2* and *TA3* were ordered for construction at Cockatoo Island Dockyard, and ship numbers 180, 181 and 182 were allocated. Although *TA1* was laid down on 21 June, and a large part of the steel had been fabricated, all three orders were cancelled on 3 September 1945. However, some records relating to the tugs have survived.

**WORKING DRAWINGS OF OCEAN-GOING TUGS, 1944–45****M2721****Quantity: 0.09 metres**

This series of drawings contains information concerning general arrangement, layout, machinery and fittings of the tugs. They include drawings of the midship section, profile, decks and bulkheads, stern frame and rudder, engine seating, boiler seatings, shell expansion, watertight and oiltight bulkheads, ventilation, tanks and pumping arrangement.

**General arrangement, 1944      M2721, 1****Toggle bars, 1945      M2721, 100****INDEX AND REGISTER TO WORKING DRAWINGS OF OCEAN-GOING TUGS, 1944–45  
M2720****Quantity: 0.09 metres****Oil lighter**

This oil lighter, ship number 37, was constructed for dockyard use in 1915. Laid down on 17 July, it was launched on 4 September 1915 and completed on 24 September 1915.

**WORKING DRAWINGS OF OIL LIGHTER, 1915–16****C3433****Quantity: 0.18 metres****Flat plate keel, 1915      C3433, 1****Proposed general arrangement, 1915      C3433, 12****HMAS *Parramatta* (II)**

The Grimsby class escort sloop HMAS *Parramatta* was constructed at Cockatoo Island Dockyard for the Royal Australian Navy, as ship number 131. The vessel was laid down on 9 November 1938, launched on 10 June 1939, and completed on 4 April 1940. The overall length was 266 feet and 3 inches, and displacement was 1 080 tons. HMAS *Parramatta* was active during World War II in the East Indies and in the Mediterranean, and was sunk by torpedo attack from the German submarine U559 on 27 November 1941 with only 24 survivors from a total of 160 on board.

**'AS FITTED' AND WORKING DRAWINGS OF ICE MAKING AND REFRIGERATING  
MACHINERY FOR HMAS *PARRAMATTA* AND *WARREGO*, 1933–39****M3279****Quantity: 0.18 metres**

**WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA, SWAN, PARRAMATTA AND WARREGO, 1933–40 M2839**

**Quantity: 0.35 metres**

Working drawings in this series used for the construction of HMAS *Yarra* and *Swan* are dated between 1933 and 1936. Subsequently the drawings were used for the construction of HMAS *Parramatta* and *Warrego*; later dates, ship numbers and names were added to some drawings, and some additional drawings with 'A', 'B' or other letter suffixes were included.

Drawings include general arrangements, plating information, framing profiles and sections, details of watertight bulkheads, bridge structure and gun mountings.

**General arrangement HMAS *Parramatta* and *Warrego*, 1939 M2839, 1C**

**'AS FITTED' DRAWINGS OF ICE MAKING AND REFRIGERATING MACHINERY FOR GRIMSBY CLASS SLOOP HMAS PARRAMATTA, 1934–39 M2907**

**Quantity: 0.18 metres**

Many drawings in this series are titled HMAS *Warrego* as well as HMAS *Parramatta*, reflecting the similarity of the two vessels.

**Arrangement of cool and cold rooms, 1938 M2907, 17**

**'AS FITTED' DRAWINGS OF WINDLASS CYLINDER FOR GRIMSBY CLASS SLOOP HMAS PARRAMATTA, 1939 M2910**

**Quantity: 0.18 metres**

As with the drawings in M2907, many drawings in this series are titled HMAS *Warrego* as well as HMAS *Parramatta*, reflecting the similarity of the two vessels.

**'AS FITTED' DRAWINGS OF GRIMSBY CLASS SLOOP HMAS PARRAMATTA, 1939–40 M2908**

**Quantity: 0.18 metres**

This series of drawings shows details of the outfit of the vessel and include general arrangements, profiles and sections; details of pumping, flooding and draining, of fresh and salt water services, and of ventilation; magazine; and a docking plan.

**Profile, bridges and signal deck, 1940 M2908, A**

**Echo sounding installation, 1939 M2908, 34**

**REGISTER TO WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS PARRAMATTA AND WARREGO, 1939–40 M3232**

**Quantity: 0.09 metres**

**INDEX TO WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS PARRAMATTA AND WARREGO, 1939–40 M3233**

**Quantity: 0.09 metres**

**‘AS FITTED’ DRAWINGS OF STEERING GEAR FOR GRIMSBY CLASS SLOOP HMAS PARRAMATTA, 1940 M2912**

**Quantity: 0.18 metres**

**HMAS *Parramatta* (III)**

The Type 12 anti-submarine frigate HMAS *Parramatta* was constructed for the Royal Australian Navy at Cockatoo Island Dockyard as ship numbers 199. It was laid down on 3 January 1957, launched on 31 January 1959, and completed on 4 July 1961. Its overall length was 370 feet, and displacement was 2 100 tons. HMAS *Parramatta* was the first of the Type 12 frigates built in Australia. The frigates were later reclassified destroyer escorts. Main machinery was also manufactured for HMAS *Parramatta*, *Stuart*, *Yarra* and *Derwent*. This work was allocated ship/job number 202.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS VAMPIRE, VOYAGER, PARRAMATTA, STUART, STALWART AND TORRENS, 1949–71 M2797**

**Quantity: 9.90 metres**

These are the original operation sheets/sketches for tooling for turbine machinery for these vessels. They are the operation sheets for the related series of tooling drawings (M2692) and were used in conjunction with them by the dockyard in the construction and installation of the turbines for those ships. They also relate to the series of mechanical drawings for HMAS *Torrens* (M2781) and *Stalwart* (M2938 and M2939).

**REGISTERS TO THE TOOLING OPERATION SHEETS FOR THE MACHINERY OF HMAS VOYAGER, VAMPIRE, PARRAMATTA, STUART AND TORRENS, 1951–62 M2966**

**Quantity: 0.18 metres**

**INDEX TO TOOLING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1951–62 M3032**

**Quantity: 0.04 metres**

This index is divided into two sections: one for the Y100 frigates HMAS *Parramatta* and *Stuart*, the other for the Daring class destroyers HMAS *Voyager* and *Vampire*.

**INDEX TO ENGINE AND TURBINE DRAWINGS OF TYPE 12 FRIGATES HMAS *STUART*,  
*PARRAMATTA*, *YARRA* AND *DERWENT*, 1951–63 M2960**

**Quantity: 0.18 metres**

**REGISTER TO ENGLISH TOOL DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*  
AND *STUART* AND DESTROYER ESCORT HMAS *TORRENS* (COCKATOO DOCKYARD SHIP  
NUMBERS 199, 200 AND 224), 1952–54 M3265**

**Quantity: 0.09 metres**

**REGISTER TO WORKING DRAWINGS OF TYPE 12 FRIGATE HMAS *PARRAMATTA*, 1952–61  
M2919**

**Quantity: 0.02 metres**

**WORKING DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, 1952–69  
M2917**

**Quantity: 0.72 metres**

These drawings contain information concerning the ships' general arrangement, body plan, shaft brackets, bilge keel, deck chain pipes, twin rudders, eddy plates, sidelights, bollard and fairleads, etc.

**Sheer drawing, 1952 M2917, 13**

**Ship's name position and details, 1961 M2917, 356-1**

**INDEX TO WORKING DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA* AND  
*STUART*, 1952–69 M2965**

**Quantity: 0.02 metres**

**ORIGINAL TOOLING (TURBINE) DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*,  
*STUART*, *YARRA* AND *DERWENT* AND FOR DESTROYER ESCORT HMAS *TORRENS*, 1952–  
71 M2692**

**Quantity: 0.90 metres**

The drawings in this series were used in conjunction with the main set of mechanical drawings for the vessels (M2780 and M2781) and the series of tooling operation sheets (M2797), as well as the set of operation sequence sheets (M3030). Used together, these three sets of drawings show in detail the machinery parts and how they were constructed and assembled to form the turbine machinery for these ships.

**ORIGINAL FORGING SKETCHES OF TYPE 12 FRIGATES HMAS *PARRAMATTA* AND  
*STUART*, 1954–63 M2771**

**Quantity: 0.18 metres**

This series of forging sketches shows various machinery items such as tubes, cock handles, spindle handles, etc. The quantities required and how they should be placed into existing ship machinery are also included.

**OPERATION SEQUENCE SHEETS FOR THE TOOLING DRAWINGS AND OPERATION  
SHEETS FOR TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, AND DARING  
CLASS DESTROYERS HMAS *VOYAGER* AND *VAMPIRE* (COCKATOO DOCKYARD SHIP  
NUMBERS 199, 200, 188 AND 189), 1954–64 M3029**

**Quantity: 0.18 metres**

These operation sequence sheets were used in conjunction with the mechanical working drawings (M2780 and M2869), the tooling drawings (M2692 and M3030) and the tooling operation sketches (M2797) to form a complete set of drawings and instructions for the turbine machinery of these ships.

The operation sequence sheets function as a kind of index to the tooling drawings and the tooling operation sheets. Where the job number 223 is given on the sheets, the drawings listed refer to the turbines of the destroyer escort HMAS *Torrens*, also built at Cockatoo Island Dockyard (M2781).

**REGISTER TO OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES HMAS  
*PARRAMATTA* AND *STUART* AND FOR DARING CLASS DESTROYERS HMAS *VOYAGER*  
AND *VAMPIRE* (COCKATOO DOCKYARD SHIP NUMBERS 199, 200, 188 AND 189), 1954–64  
M3113**

**Quantity: 0.18 metres**

The listing in this series is of the numbers and titles of operation sequence sheets for the RAN vessels HMAS *Parramatta*, *Stuart*, *Voyager* and *Vampire*, held in M3029. The listing is a copy of the original, with the numbers of the operation sequence sheets given and their titles, in sequence. Some of the sheets also list the mechanical drawing number to which the operation sheets refer.

**BOOK CONTAINING LISTS OF MAKERS' MECHANICAL AND ELECTRICAL DRAWINGS FOR  
TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, 1955–65 M3247**

**Quantity: 0.02 metres**

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF BOILERS FOR  
TYPE 12 FRIGATES HMAS *PARRAMATTA*, *STUART*, *YARRA* AND *DERWENT*, 1956–62  
M3261**

**Quantity: 0.09 metres**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, AND OF BOILERS FOR HMAS PARRAMATTA, STUART, YARRA AND DERWENT, 1956–67** **M2780**

**Quantity: 5.00 metres**

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS STUART AND PARRAMATTA, AND FOR BOILERS FOR HMAS STUART, PARRAMATTA, YARRA AND DERWENT, 1956–67** **M2961**

**Quantity: 0.09 metres**

**INDEX TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, AND OF BOILERS FOR HMAS PARRAMATTA, STUART, YARRA AND DERWENT, 1956–67** **M3208**

**Quantity: 0.09 metres**

**BLUEPRINT COPIES OF SUNDRY SKETCHES FOR MAIN MACHINERY OF TYPE 12 FRIGATES HMAS STUART AND PARRAMATTA, 1959–61** **M2747**

**Quantity: 0.18 metres**

This series of blueprint copies of original sundry sketch drawings deals mainly with mechanical telegraphs, gearboxes and universal joints used in the construction of the frigates. Many have handwritten annotations.

Sundry sketches were drawn up as an addendum to the working drawings for a ship if any alterations or deviations from the originals were necessary.

**FOLDER OF HULL, ELECTRICAL AND MACHINERY COST LISTS FOR TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, 1961** **M3311**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF TYPE 12 FRIGATE HMAS PARRAMATTA, 1961–64** **M2880**

**Quantity: 0.54 metres**

This series of drawings contains information on the ship's general arrangement, ventilation, main suction, fresh water services, docking plans, rigging, gun bay, twin rudders, offsets, shaft brackets and eddy plates, etc.

**General arrangement – profile, 1963** **M2880, 1**

**Detail of twin rudders, 1963** **M2880, 37**

**FOLDER OF MAIN MACHINERY OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES  
HMAS PARRAMATTA AND STUART, 1964–65 M3303**

**Quantity: 0.20 metres**

**HMAS *Quality* – modernisation and conversion**

HMAS *Quality* was one of eight 'Q' class destroyers. Sister ships were *Quadrant*, *Queenborough*, *Quail*, *Quiberon*, *Quickmatch*, *Quilliam*, and *Quentin*. During World War II it served in the South Atlantic, Mediterranean, Indian Ocean and Pacific areas. It transferred to the RAN on loan on 8 October 1945 and was permanently transferred to the RAN in June 1950. It was sold for scrap on 10 April 1958 to Mitsubishi Ltd, Tokyo.

**WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS  
QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3146**

**Quantity: 0.63 metres**

Although the working drawings in this series were drawn or collected by Cockatoo Docks & Engineering Co. Pty Ltd for the modernisation and conversion of 'Q' class vessels – HMAS *Queenborough*, *Quiberon* and *Quality* – only HMAS *Queenborough* was completely modernised and converted at the dockyard. The modernisation of *Quiberon* was completed at Garden Island.

**General arrangement (original before conversion), 1950 M3146, 49**

**Ammunition derrick forward (with fly), 1953–54 M3146, 976/3**

**REGISTER TO DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS  
QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3217**

**Quantity: 0.09 metres**

This register lists drawings for: pipe arrangement, pipe arrangement details, sundry sketches, miscellaneous sketches, forging sketches and material.

**INDEX TO WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS  
QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3185**

**Quantity: 0.09 metres**

**'PLAN ISSUE BOOK' [REGISTER TO WORKING DRAWINGS] FOR THE CONVERSION OF 'Q'  
CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54  
M3147**

**Quantity: 0.09 metres**

The last few pages of this register contain lists of plans submitted and received, and 'as fitted' drawings.



## HMAS *Queenborough* – modernisation and conversion

The actual modernisation and conversion of HMAS *Queenborough* was undertaken between 1950 and 1954 at Cockatoo Island Dockyard as ship/job number 195. HMS *Queenborough*, the last of the 'Q' class vessels built, was completed in England in 1942 and active in the Mediterranean and with the British Eastern and Pacific Fleets during World War II. After the war the vessel was transferred to the Royal Australian Navy and commissioned as HMAS *Queenborough*. It was transferred to the reserve before being modernised and converted.

### **WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54** **M3146**

**Quantity: 0.63 metres**

See the series description for HMAS *Quality* for further information.

### **REGISTER TO DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54** **M3217**

**Quantity: 0.09 metres**

See the series description for HMAS *Quality* for further information.

### **INDEX TO WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54** **M3185**

**Quantity: 0.09 metres**

### **'PLAN ISSUE BOOK' [REGISTER TO WORKING DRAWINGS] FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54** **M3147**

**Quantity: 0.09 metres**

### **'AS FITTED' DRAWINGS FOR THE MODERNISATION AND CONVERSION OF 'Q' CLASS VESSEL HMAS QUEENBOROUGH, 1953–55** **M2838**

**Quantity: 0.36 metres**

The drawings in this series show the general arrangement, design and mechanical layout of HMAS *Queenborough* at the completion of the conversion.

**Markings for doors hatches etc – damage control, 1954** **M2838, 28**

**General arrangement – sections, 1955** **M2838, F**

## HMAS *Quiberon* – modernisation and conversion

The modernisation and conversion of HMAS *Quiberon*, allocated ship/job number 196 at Cockatoo Island Dockyard, was completed at Garden Island.

### **WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3146**

**Quantity: 0.63 metres**

See the series description for HMAS *Quality* for further information.

### **REGISTER TO DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3217**

**Quantity: 0.09 metres**

See the series description for HMAS *Quality* further information.

### **INDEX TO WORKING DRAWINGS FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3185**

**Quantity: 0.09 metres**

### **'PLAN ISSUE BOOK' [REGISTER TO WORKING DRAWINGS] FOR THE CONVERSION OF 'Q' CLASS VESSELS HMAS QUEENBOROUGH, QUIBERON AND QUALITY, 1950–54 M3147**

**Quantity: 0.09 metres**

### **'PLAN ISSUE' [REGISTER TO WORKING DRAWINGS] FOR THE CONVERSION OF 'Q' CLASS VESSEL HMAS QUIBERON, 1954 M3184**

**Quantity: 0.09 metres**

## Cargo steamer *River Clarence*

The 'A' class cargo steamer *River Clarence* was constructed at Cockatoo Island Dockyard for the Australian Shipbuilding Board as ship number 159. It was laid down on 29 July 1941, launched on 2 January 1943, and completed on 31 May 1943. Its length between perpendiculars was 425 feet, and gross tonnage was 5000 tons.

**WORKING DRAWINGS OF 'A' CLASS CARGO STEAMERS *RIVER CLARENCE* AND *RIVER HUNTER*, 1940–46 M2830**

**Quantity: 0.54 metres**

Drawings include general arrangements, specifications, lines plan, sections, derrick details and gun supports.

**Mast and derrick rigging arrangement, 1943 M2830, 66**

**Saloon house, captain's bridge and captain's house, 1943 M2830, 38**

**INDEX TO WORKING DRAWINGS OF 'A' CLASS CARGO STEAMERS *RIVER CLARENCE* AND *RIVER HUNTER*, 1940–46 M2719**

**Quantity: 0.20 metres**

**'AS FITTED' DRAWINGS OF 'A' CLASS CARGO STEAMER *RIVER CLARENCE*, 1941–46 M2722**

**Quantity: 0.18 metres**

These drawings contain information on the general arrangement and important sections of the ship, eg midship section, shell expansion, pumping arrangement, docking plan, lines plan and magazine arrangement.

**General arrangement rigging profile forecastle and bridge, 1943 M2722, 1**

**Lines plan, 1941 M2722, 16**

**REGISTER AND INDEX TO DRAWINGS OF 'A' CLASS CARGO STEAMERS *SS RIVER CLARENCE* AND *RIVER HUNTER*, 1941–46 M2954**

**Quantity: 0.02 metres**

### Cargo steamer *River Hunter*

The *River Hunter* was constructed for the Australian Shipbuilding Board. Allocated ship number 160, the *River Hunter* was laid down on 29 July 1943, launched on 18 October 1945, and completed on 25 June 1946. It had the same specifications as for *River Clarence*.

**WORKING DRAWINGS OF 'A' CLASS CARGO STEAMERS *RIVER CLARENCE* AND *RIVER HUNTER*, 1940–46 M2830**

**Quantity: 0.54 metres**

**INDEX TO WORKING DRAWINGS OF 'A' CLASS CARGO STEAMERS *RIVER CLARENCE*  
AND *RIVER HUNTER*, 1940–46 M2719****Quantity: 0.20 metres****REGISTER AND INDEX TO DRAWINGS OF 'A' CLASS CARGO STEAMERS SS *RIVER*  
*CLARENCE* AND *RIVER HUNTER*, 1941–46 M2954****Quantity: 0.02 metres****'AS FITTED' DRAWINGS OF 'A' CLASS CARGO STEAMER *RIVER HUNTER*, 1943–46  
M2717****Quantity: 0.18 metres**

Drawings record information about the general arrangement and of important parts of the ship, eg midship section, shell expansion, pumping, ventilation, docking, and fresh and salt water services.

**General arrangement profile forecastle deck and bridges, 1946 M2717, 1****Stability particulars, 1946 M2717, 12****Lighters *Shell 23* and *Shell 24***

The oil lighter *Shell 23* and the twin screw diesel tug *Shell 24* were constructed at Cockatoo Island Dockyard for the Shell Company of Australia, as ship numbers 122 and 123. They were laid down on 26 December 1937 and 26 February 1938, launched on 10 May and 30 June 1938, and completed on 26 May and 11 August 1938 respectively. The lengths of the vessels were 129 feet and 70 feet respectively, and gross tonnage 306 tons and 56 tons respectively.

**ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39 M3228****Quantity: 0.09 metres**

**'AS FITTED' AND WORKING DRAWINGS OF OIL LIGHTER SHELL 23, 1937–38  
M3077****Quantity: 0.18 metres**

This series describes the hull 'as fitted' and working drawings for the Shell oil lighter *Shell 23*, built at Cockatoo Island Dockyard between 1937 and 1938. These drawings, in the range 1 to 37 (with gaps), have been removed from the complete set of drawings for this vessel to give an overall picture of the structure of the vessel. They include general arrangements, sections, profile, specifications, awnings details, towing arrangements, and mast and derrick details.

**General arrangement – as fitted, 1938      M3077, 1****Skylights, 1937      M3077, 33****WORKING DRAWINGS OF TWIN SCREW DIESEL TUG SHELL 24, 1937–38  
M2788****Quantity: 0.18 metres**

The working drawings in this series show the design, arrangement, general fit, mechanical layout and framing of the ship as well as the arrangement of awnings, towing arrangements, and mast and rigging details.

**General arrangement and midship section, 1937      M2788, 1****Details of awnings, 1938      M2788, 30****Slave dock**

The slave dock, *SD 3201*, was constructed at Cockatoo Island Dockyard between 1973 and 1975 for the Royal Australian Navy, and was used in refitting Oberon class submarines. Its construction was allocated ship/job number 237. It was laid down on 28 March 1973, launched on 18 March 1974 and completed in October of that year.

**ISSUE BOOK FOR DRAWINGS OF SLAVE DOCK, 1973–74      M3230****Quantity: 0.09 metres****Tug ST17**

The 75 foot tug *ST17* was fitted out at Cockatoo Island Dockyard for the United States Army as ship/job number 175. The tug had been built by J & A Brown & Abermain, Seaham Collieries Limited at Hexham, NSW.

**WORKING DRAWINGS OF THE FITTING OUT OF US ARMY TUG ST17, 1941  
M2825****Quantity: 0.18 metres**

Drawings in this series include a lines plan, construction sections, and details of watertight hatches and manholes, rudder, skylight, ladders and stanchions, and mast.

**Lines plan, 1943      M2825, 3****Paint line, 1943      M2825, 57****REGISTER AND INDEX TO WORKING DRAWINGS OF THE FITTING OUT OF US ARMY  
TUG ST17, 1943      M3231****Quantity: 0.09 metres**

Information recorded in the register section consists of drawing numbers, titles, and dates issued to relevant sections of the dockyard. Entries in the index section at the back are in alphabetical sections by subject or component; information recorded includes working or guidance drawing number and title.

**HMAS *Stalwart***

The escort maintenance ship (EMS)/destroyer tender HMAS *Stalwart* was constructed at Cockatoo Island Dockyard for the Royal Australian Navy as ship number 221. It was laid down on 23 June 1964, launched on 7 October 1966 and completed on 8 February 1968. Its overall length was 515 feet and displacement was 10,500 tons. Designed in the Navy Office, Canberra, this was the largest naval vessel built in Australia to that date. It was intended to operate as a mobile workshop to support naval vessels located away from Australian dockyards.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS  
VAMPIRE, VOYAGER, PARRAMATTA, STUART, STALWART AND TORRENS, 1949–71  
M2797****Quantity: 9.95 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**ELECTRICAL HANDBOOKS TO EQUIPMENT AND MACHINERY OF ESCORT MAINTENANCE  
SHIP HMAS STALWART, 1949–77      M3070****Quantity: 0.36 metres**

**MAKERS' DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS STALWART, 1961–64  
M3040****Quantity: 0.18 metres**

Makers' drawings such as those in this series were supplied by manufacturers to Cockatoo Docks & Engineering Co. Pty Ltd for the construction and installation of parts on the vessels. The drawings in this series include the sand dust extraction plant, notice boards, fire alarm valves, windlass, and the hot water accelerated pump.

**HANDBOOKS, CATALOGUES AND INSTRUCTIONS TO PARTS FOR ESCORT  
MAINTENANCE SHIP HMAS STALWART, 1961–68 M2833****Quantity: 0.18 metres****'AS FITTED' MECHANICAL DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS  
STALWART, 1963–68 M2938****Quantity: 0.72 metres**

Included within this series are drawings relating to machinery arrangements, boilers, compressed air system, the alternator, steam exhaust, pumping systems, pressure gauges and shafting.

**WORKING DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS STALWART, 1963–68  
M2831****Quantity: 5.31 metres****General arrangement, 1966 M2831, 247/8-1****Hull pennant markings, 1967 M2831, 247/1068****WORKING MECHANICAL DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS STALWART,  
1963–68 M2939****Quantity: 1.82 metres**

Included within this series are drawings of piping, floorplate, compressed air system, lubricating system, diesel fuel system and other mechanical drawings.

**INDEX TO WORKING DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS STALWART,  
1963–1968 M2836****Quantity: 0.18 metres**

**ISSUE BOOK TO WORKING DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS  
STALWART, 1963–68 M2832**

**Quantity: 0.18 metres**

This book was used to monitor the progress and locate working drawings of the escort maintenance ship HMAS *Stalwart* (M2831). It operated as an unofficial register.

**'CORRESPONDENCE INDEX' TO CORRESPONDENCE FILES RELATING TO THE  
CONSTRUCTION OF ESCORT MAINTENANCE SHIP HMAS STALWART, 1963–71  
M3028**

**Quantity: 0.09 metres**

This folder consists of two pieces of cardboard holding five photostat pages listing files relating to the construction of this ship. Although the folder is labelled 'Correspondence Index', it provides a register to correspondence files.

**CORRESPONDENCE FILES RELATING TO THE CONSTRUCTION OF ESCORT  
MAINTENANCE SHIP HMAS STALWART, 1963–71 M3027**

**Quantity: 1.98 metres**

**ORIGINAL DIAGRAMMATIC PIPE ARRANGEMENT SKETCHES OF ESCORT MAINTENANCE  
SHIP HMAS STALWART, 1964–66 M2791**

**Quantity: 0.18 metres**

These drawings show in detail the construction of piping systems, their fitting and interlinking. They cover fresh and saltwater circulation, bilge and firemain, compressed air and 'lube' oil systems.

**PHOTOGRAPHS TAKEN DURING THE CONSTRUCTION OF ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1964–66 M3014**

**Quantity: 0.18 metres**

**REGISTER TO MECHANICAL WORKING DRAWINGS OF ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1964–67 M2964**

**Quantity: 0.03 metres**

This register does not cover the entire set of mechanical drawings, but is the major control record for the series of mechanical drawings for the ship (M2939). It lists sundry sketches, subcontractors' drawings, guidance drawings and prints received from the Ship Drawing and Electrical Drawing Offices at Cockatoo Island Dockyard. The final section lists the mechanical drawings that were reviewed and approved by the Navy Office.



**INDEX TO MECHANICAL WORKING DRAWINGS FOR ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1964–67 M3197**

**Quantity: 0.09 metres**

**‘AS FITTED’ AND WORKING ELECTRICAL DRAWINGS OF ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1964–68 M2815**

**Quantity: 0.90 metres**

Most of these drawings are copies of Navy Office drawings, and cover such things as main cable routes, wiring arrangements, switch panels, general arrangements of the electrical rooms and fittings.

**MECHANICAL SUNDRY SKETCHES OF ESCORT MAINTENANCE SHIP HMAS STALWART,  
1964–68 M2870**

**Quantity: 1.08 metres**

**FOLDERS OF RESULTS OF BALANCING ELECTRICAL CIRCUITS AND FITTINGS FOR  
PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA* AND ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1964–68 M3255**

**Quantity: 0.09 metres**

**SPECIFICATION SHEETS FOR ESCORT MAINTENANCE SHIP HMAS STALWART, 1964–69  
M2834**

**Quantity: 0.54 metres**

**FOLDERS OF ORIGINAL PIPE AND FITTING SHEETS FOR ESCORT MAINTENANCE SHIP  
HMAS STALWART, 1965–67 M2769**

**Quantity: 0.18 metres**

**‘AS FITTED’ LISTS OF PIPING AND MACHINERY ARRANGEMENTS FOR ESCORT  
MAINTENANCE SHIP HMAS STALWART, 1965–67 M2766**

**Quantity: 0.45 metres**

**BOOK LISTING MECHANICAL AND ELECTRICAL DRAWINGS FOR ESCORT MAINTENANCE  
SHIP HMAS STALWART, 1965–67 M3249**

**Quantity: 0.02 metres**

**MISCELLANEOUS SHEETS AND DRAWINGS FOR ESCORT MAINTENANCE SHIP HMAS  
STALWART, 1965–68 M2877**

**Quantity: 0.72 metres**

The miscellaneous sheets and drawings in this series cover the door and hatch board, supply and exhaust terminals, key plan to hatches and scuttles, sewage units, watch and station bill sheets and air quantity calculation sheets.

**FULL SEA TRIAL RESULTS OF ESCORT MAINTENANCE SHIP HMAS STALWART, 1967–68  
M2746**

**Quantity: 0.36 metres**

This series consists of results relating to the sea trials of the HMAS *Stalwart* which were conducted from Sydney Harbour during 1967. Port and starboard engines and all machinery were tested.

**'AS FITTED' DRAWINGS OF ESCORT MAINTENANCE SHIP HMAS STALWART, 1968–69  
M2837**

**Quantity: 0.36 metres**

The 'as fitted' drawings in this series show the general arrangement, design and mechanical layout of the HMAS *Stalwart* on completion. They cover profiles, pumps, drainage, exterior fittings, and shell and frame expansions.

**DRAWINGS OF SPECIAL TOOLS FOR RUDDER DISMANTLING OF ESCORT MAINTENANCE  
SHIP HMAS STALWART, 1979 M3297**

**Quantity: 0.18 metres**

## **HMAS *Stuart* (II)**

The Type 12 anti-submarine frigate HMAS *Stuart* was constructed for the Royal Australian Navy at Cockatoo Island Dockyard as ship number 200. It was laid down on 20 March 1959, launched on 8 April 1961, and completed on 27 June 1963. It has the same specifications as for HMAS *Parramatta* (III). HMAS *Stuart* was the first vessel fitted with the IKARA anti-submarine guided missile which had been developed in Australia.

Main machinery was also manufactured for HMAS *Parramatta*, *Stuart*, *Yarra* and *Derwent*, the work being allocated ship/job number 202.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS  
VAMPIRE, VOYAGER, PARRAMATTA, STUART, STALWART AND TORRENS, 1949–71  
M2797**

**Quantity: 9.90 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTERS TO THE TOOLING OPERATION SHEETS FOR THE MACHINERY OF HMAS  
VOYAGER, VAMPIRE, PARRAMATTA, STUART AND TORRENS, 1951–62  
M2966**

**Quantity: 0.18 metres**

**INDEX TO TOOLING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND  
STUART AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1951–62  
M3032**

**Quantity: 0.04 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**INDEX TO ENGINE AND TURBINE DRAWINGS OF TYPE 12 FRIGATES HMAS STUART,  
PARRAMATTA, YARRA AND DERWENT, 1951–63 M2960**

**Quantity: 0.18 metres**

**REGISTER TO ENGLISH TOOL DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA  
AND STUART AND DESTROYER ESCORT HMAS TORRENS, 1952–54 M3265**

**Quantity: 0.09 metres**

**WORKING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, 1952–69  
M2917**

**Quantity: 0.72 metres**

**INDEX TO WORKING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND  
STUART, 1952–69 M2965**

**Quantity: 0.02 metres**

**ORIGINAL TOOLING (TURBINE) DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*,  
*STUART*, *YARRA* AND *SWAN* AND FOR DESTROYER ESCORT HMAS *TORRENS*, 1952–71  
M2692**

**Quantity: 0.90 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**ORIGINAL FORGING SKETCHES OF TYPE 12 FRIGATES HMAS *PARRAMATTA* AND  
*STUART*, 1954–63 M2771**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**OPERATION SEQUENCE SHEETS FOR THE TOOLING DRAWINGS AND OPERATION  
SHEETS FOR TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, AND DARING  
CLASS DESTROYERS HMAS *VOYAGER* AND *VAMPIRE*, 1954–64 M3029**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTER TO OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES HMAS  
*PARRAMATTA* AND *STUART* AND FOR DARING CLASS DESTROYERS HMAS *VOYAGER*  
AND *VAMPIRE*, 1954–64 M3113**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**BOOK CONTAINING LISTS OF MAKERS' MECHANICAL AND ELECTRICAL DRAWINGS FOR  
TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, 1955–65 M3247**

**Quantity: 0.02 metres**

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF BOILERS FOR  
TYPE 12 FRIGATES HMAS *PARRAMATTA*, *STUART*, *YARRA* AND *DERWENT*, 1956–62  
M3261**

**Quantity: 0.09 metres**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS  
*PARRAMATTA* AND *STUART*, AND OF BOILERS FOR HMAS *PARRAMATTA*, *STUART*,  
*YARRA* AND *DERWENT*, 1956–67 M2780**

**Quantity: 5.00 metres**

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS *STUART* AND *PARRAMATTA*, AND FOR BOILERS FOR HMAS *STUART*, *PARRAMATTA*, *YARRA* AND *DERWENT*, 1956–67** **M2961**

**Quantity: 0.09 metres**

**INDEX TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, AND OF BOILERS FOR HMAS *PARRAMATTA*, *STUART*, *YARRA* AND *DERWENT*, 1956–67** **M3208**

**Quantity: 0.09 metres**

**FOLDER OF LISTS OF SPARE GEAR AND EQUIPMENT FOR TYPE 12 FRIGATE HMAS *STUART*, 1957–63** **M3244**

**Quantity: 0.02 metres**

**BLUEPRINT COPIES OF SUNDRY SKETCHES FOR MAIN MACHINERY PARTS OF TYPE 12 FRIGATES HMAS *STUART* AND *PARRAMATTA*, 1959–61** **M2747**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**FOLDER OF HULL, ELECTRICAL AND MACHINERY COST LISTS FOR TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, 1961** **M3311**

**Quantity: 0.09 metres**

**REGISTER TO WORKING DRAWINGS OF TYPE 12 FRIGATE HMAS *STUART*, 1961–64** **M2918**

**Quantity: 0.02 metres**

**'AS FITTED' DRAWINGS OF TYPE 12 FRIGATE HMAS *STUART*, 1962–65** **M2879**

**Quantity: 0.54 metres**

Information contained within this series is similar to that in the 'as fitted' drawings of HMAS *Parramatta* held in M2880 (see above).

**General arrangement — sections, 1965** **M2879, 2**

**Medical organisation and distribution of equipment, 1963** **M2879, 74**

**'AS FITTED' ELECTRICAL DRAWINGS OF TYPE 12 FRIGATE HMAS *STUART*, 1963–64  
M3060**

**Quantity: 1.26 metres**

The majority of these electrical drawings are copies of Navy Office drawings. The contents cover main cable routes, wiring arrangements, switch panels, general arrangements of the electrical rooms and fittings, etc.

**FOLDER OF MAIN MACHINERY OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES  
HMAS *PARRAMATTA* AND *STUART*, 1964–65 M3303**

**Quantity: 0.20 metres**

**Fleet underway replenishment ship (AOR) HMAS *Success***

The fleet underway replenishment/auxiliary oil replenishment (AOR) ship HMAS *Success* was allocated ship/job number 242. It was laid down on 9 August 1980, launched on 3 March 1984 and completed on 15 April 1986. The largest naval ship built in Australia and the first designed in France, it was to be the last from Cockatoo Island Dockyard. From December 1989, after HMAS *Stalwart* was paid off, HMAS *Success* became the Royal Australian Navy's Flagship, and in 1990–1991 was employed in the Gulf War to support Australian and allied warships. These records will be available to the public when they are 30 years old.

**MAKERS' CATALOGUES FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1962–87 M2886**

**Quantity: 4.32 metres**

This series consists of makers' or manufacturers' catalogues and booklets for the machinery and bodyparts received and used in the construction of the HMAS *Success*.

**MAKERS' DRAWINGS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1971–87 M2841**

**Quantity: 3.78 metres**

This series consists of makers' or manufacturers' drawings for items of machinery and electrics received and used in the construction of the HMAS *Success*.

**MAKERS' PARTS LISTS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1974–87 M2887**

**Quantity: 1.80 metres**

This series consists of makers' or manufacturers' parts lists for the machinery received and used in the construction of the HMAS *Success*.

**AUSTRALIAN GOVERNMENT FURNISHED EQUIPMENT FORMS (AGFE) FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1975–86 M2659**

**Quantity: 0.18 metres**

The forms contained in this folder are detailed schedules of materials supplied by the Royal Australian Navy for installation in the HMAS *Success*.

**WORKING DRAWINGS OF AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1975–87 M2921**

**Quantity: 11.32 metres**

**REGISTER TO THE TOTAL SET OF DRAWINGS FOR AUXILIARY OIL REPLENISHMENT  
(AOR) VESSEL HMAS *SUCCESS*, 1975–87 M3109**

**Quantity: 0.45 metres**

**TECHNICAL SUBJECT CODE (TSC) LIST AND BOOKLET FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1978 M2729**

**Quantity: 0.09 metres**

**ELECTRICAL PROCUREMENT SPECIFICATIONS FOR AUXILIARY OIL REPLENISHMENT  
(AOR) VESSEL HMAS *SUCCESS*, 1978–86 M3159**

**Quantity: 0.09 metres**

**FOLDERS OF ORDERS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1979–86 M2698**

**Quantity: 2.16 metres**

**MINUTES AND PROGRESS REPORTS OF COMMONWEALTH AND VICKERS COCKATOO  
DOCKYARD MEETINGS DEALING WITH THE CONSTRUCTION OF AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1979–86 M2685**

**Quantity: 0.18 metres**

This series is a compilation of the minutes of meetings between the Department of Defence and Vickers Cockatoo Dockyard Limited regarding the construction of the HMAS *Success*. Within the series there are also copies of monthly reports on the progress of the project.

**'AOR PACK' [FOLDER OF IN-HOUSE MONTHLY REPORTS ON THE CONSTRUCTION OF  
AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*], 1979–86  
M3138**

**Quantity: 0.45 metres**

This series consists of a manilla folder marked 'AOR Pack', containing monthly in-house reports on the construction of the HMAS *Success*.

**CONTRACT ACCEPTANCE AND PURCHASE ORDER (CAPO) AMENDMENT FORMS FOR  
AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1979–88  
M2689**

**Quantity: 0.18 metres**

This series consists of standard Department of Defence contract amendment forms, on which were outlined the changes to the original contract with Vickers Cockatoo Dockyard Limited, for the construction of the HMAS *Success*.

**'LOG' TO INWARD CORRESPONDENCE RELATING TO AUXILIARY OIL REPLENISHMENT  
(AOR) VESSEL HMAS *SUCCESS*, 1980–86 M2697**

**Quantity: 0.36 metres**

**CORRESPONDENCE RELATING TO THE CONSTRUCTION OF AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1980–86 M2696**

**Quantity: 12.24 metres**

**FOLDERS OF GOVERNMENT FURNISHED EQUIPMENT SCHEDULE FORMS FOR  
AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1980–86  
M3154**

**Quantity: 0.45 metres**

**FOLDERS OF MATERIAL SCHEDULE SHEETS FOR AUXILIARY OIL REPLENISHMENT  
(AOR) VESSEL HMAS *SUCCESS*, 1980–86 M3323**

**Quantity: 0.90 metres**

**REGISTER OF STOCK ISSUES FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL  
HMAS *SUCCESS*, 1980–87 M2686**

**Quantity: 0.36 metres**



**CONCESSION AND PRODUCTION PERMIT FORMS FOR AUXILIARY OIL REPLENISHMENT  
(AOR) VESSEL HMAS *SUCCESS*, 1980–87 M2690**

**Quantity: 0.18 metres**

This series consists of standardised application forms for either concessions or production permits relating to the construction of HMAS *Success*. Concessions were sought if, once construction or use of various parts or items was finished, some alteration to the original design had occurred. Production permits were sought if it was known in advance of construction that changes or alterations had to be made.

**COPIES OF QUARANTINE REPORT FORMS FOR AUXILIARY OIL REPLENISHMENT (AOR)  
VESSEL HMAS *SUCCESS*, 1980–87 M2691**

**Quantity: 0.18 metres**

This series consists of a compilation of reports on goods 'quarantined' during the construction of HMAS *Success*. Items were quarantined if they did not meet quality assurance standards and were held until the problem was rectified.

**MECHANICAL, ELECTRICAL AND HULL SPECIFICATIONS FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1980–87 M2892**

**Quantity: 0.72 metres**

This series of specifications was sent out to suppliers of the machinery and parts, outlining the requirements and the standard of material required for the HMAS *Success*.

**PIPE WORKING DRAWINGS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1981–85 M3095**

**Quantity: 1.44 metres**

**MISCELLANEOUS INFORMATION SKETCHES USED IN THE CONSTRUCTION OF  
AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1981–86  
M2928**

**Quantity: 0.55 metres**

Drawings in this series were produced to cater for any changes to the original working drawings, or to provide particular details not included in the originals.

**INDEX TO MISCELLANEOUS INFORMATION SKETCHES FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1981–87 M2929**

**Quantity: 0.09 metres**

This index is the controlling record for the two series of miscellaneous information sketches drawn up for the HMAS *Success* (M2928 and M2926).

**TASK ORDERS FOR INTEGRATED LOGISTIC SUPPORT (ILS) SYSTEM FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1982–87 M2693**

**Quantity: 0.18 metres**

This series consists of purchase orders relating to the procurement of computer software and user support services, stationery, artwork and electrical equipment required for the integrated logistic support system (ILS) of the HMAS *Success*.

**FOLDER OF CALCULATIONS FOR THE CONSTRUCTION OF AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1982–87 M3200**

**Quantity: 0.45 metres**

**EQUIPMENT BOOK FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1984–85 M3005**

**Quantity: 0.18 metres**

**REGISTER TO FINAL DRAWINGS DELIVERED TO NAVY OFFICE FOR AUXILIARY OIL  
REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1984–86 M3110**

**Quantity: 0.45 metres**

**ARTWORK FOR THE RIGGING WARRANT FOR AUXILIARY OIL REPLENISHMENT (AOR)  
VESSEL HMAS *SUCCESS*, 1985 M3111**

**Quantity: 0.45 metres**

**CONTRACTOR'S SEA TRIALS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS  
*SUCCESS*, 1985–86 M3094**

**Quantity: 0.18 metres**

**FILE ON JOBS 6853 (NAVFCO) AND 2570, 1985–86****M2688****Quantity: 0.18 metres**

Job number 6853 contains correspondence between Vickers Cockatoo Dockyard and NAVFCO, a French company that was contracted to produce and supply the technical data and reference books applicable to the French supplied equipment for the HMAS *Success*. It deals mainly with contractual issues, charges and expenses and includes a copy of the contract between the two parties.

Job number 2570 consists of the correspondence that relates to the assisted maintenance period (AMP) of HMAS *Success*. The AMP was a period when the ship returned to Cockatoo Island Dockyard for minor repairs and refitting.

**MECHANICAL SET TO WORK SPECIFICATIONS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1985–87****M2893****Quantity: 0.09 metres****ELECTRICAL MASTER EQUIPMENT LIST (MEL) SCHEMATICS SHEETS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1985–87****M3153****Quantity: 0.45 metres****BOOKS OF TEST AND TRIAL REPORTS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1986****M3052****Quantity: 0.72 metres****SELECTED RECORD DRAWINGS OF AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1986–87****M3116****Quantity: 1.08 metres****MISCELLANEOUS INFORMATION SKETCHES FOR ALTERATIONS TO AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1986–87****M2926****Quantity: 0.18 metres****MECHANICAL MASTER EQUIPMENT LIST SCHEMATICS FOR AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1986–87****M2936****Quantity: 0.45 metres**

**FOLDERS OF COMPUTER PRINTOUTS OF THE MASTER EQUIPMENT LISTS FOR  
AUXILIARY OIL REPLENISHMENT (AOR) VESSEL HMAS *SUCCESS*, 1987  
M3152**

**Quantity: 0.45 metres**

**HMAS *Swan***

Allocated ship number 6, HMAS *Swan* was laid down on 22 January 1915, launched on 11 December 1915, and completed on 22 August 1916. Its length was 250 feet and its displacement was 700 tons. It was dismantled in 1930. Sold to the NSW Department of Prisons for use as an accommodation ship, it sank in tow in 1931 and lies today in the Hawkesbury River near Brooklyn.

**WORKING DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND  
*SWAN*, 1912–16 C3270**

**Quantity: 0.9 metres**

See the series description for HMAS *Huon* for further information.

**GUIDANCE DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND  
*SWAN*, 1912–16 C3271**

**Quantity: 0.36 metres**

**'AS FITTED' AND WORKING ELECTRICAL DRAWINGS OF TORPEDO BOAT DESTROYERS  
HMAS *HUON*, *TORRENS* AND *SWAN*, 1913–18 C3538**

**Quantity: 0.98 metres**

See the series description for HMAS *Huon* for further information.

**'AS FITTED' DRAWINGS OF TORPEDO BOAT DESTROYER HMAS *SWAN*, 1916–18  
C3275**

**Quantity: 0.18 metres**

These drawings include general arrangements, docking plans, painting statements and completed forms.

**General arrangement, lower deck, hold and sections, 1916 C3275, 1**

**12 pounder and small arms magazine and 12 pounder shell room, 1916  
C3275, 15**

## HMAS *Swan* (II)

The modified Grimsby class escort sloop HMAS *Swan* was constructed for the Royal Australian Navy at Cockatoo Island Dockyard as ship number 115. It was laid down on 1 May 1935, launched on 28 March 1936, and completed on 10 December 1936. Its overall length was 266 feet and 3 inches, and full load displacement was 1366 tons.

HMAS *Swan*, after eventful service during World War II as a minesweeper and escort vessel, was paid off in 1948, recommissioned as a training ship for cadet midshipmen in 1956, and finally sold in 1964 and broken up at Sydney in 1965–66.

### **REGISTER TO WORKING AND GUIDANCE DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA AND SWAN, 1933–36 M2949**

Quantity: 0.02 metres

### **INDEX TO APPROVED WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA AND SWAN, 1933–39 M2958**

Quantity: 0.02 metres

### **INDEX TO WORKING AND GUIDANCE DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA AND SWAN, 1933–39 M2957**

Quantity: 0.02 metres

Entries, alphabetical by subject or component, record drawing numbers and titles.

### **WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA, SWAN, PARRAMATTA AND WARREGO, 1933–40 M2839**

Quantity: 0.35 metres

See the series description for HMAS *Parramatta* (II) for further information.

### **'AS FITTED' DRAWINGS OF MINESWEEPING WINCH FOR GRIMSBY CLASS SLOOPS HMAS YARRA AND SWAN, 1935–36 M2911**

Quantity: 0.27 metres

These drawings contain information concerning minesweeping gear, shafts, gearing and clutch, engine bedplate, spanner rack and catch bar, etc.

**'AS FITTED' DRAWINGS OF STEERING GEAR FOR GRIMSBY CLASS SLOOPS HMAS  
YARRA AND SWAN, 1935–36 M2909**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF GRIMSBY CLASS SLOOP HMAS SWAN, 1936–37  
M2913**

**Quantity: 0.36 metres**

These drawings contain information concerning the ship's general arrangement; pumping, flooding and drainage; fresh and salt water service; ventilation; magazines; rudder and sketch of rig.

**Profile – sheet 1, 1937 M2913, A**

**Method of marking fittings for protection against gas attack, 1936 M2913, 31**



Interior design drawing for *Empress of Australia*, 1963  
NAA: M3114, 2



Interior of machine shop, 1919  
NAA: C4149, 14.1

## Submarine HMS *Tabard* – refit

From 1960 to 1966 Cockatoo Docks & Engineering Co. Pty Ltd was responsible for routine major refits and maintenance of three British 'T' class submarines which were stationed in Sydney as the 4th Submarine Squadron: HMS *Tabard*, HMS *Trump* and HMS *Taciturn*. The submarines had been built during World War II and modernised during the early 1950s. Ship/job numbers 208 to 217 and 226 were allocated to this work.

### **BLUEPRINT COPIES OF MECHANICAL WORKING DRAWINGS FOR 'T' CLASS SUBMARINES, 1939–65 M2824**

**Quantity: 1.44 metres**

These drawings formed the basis for all the maintenance and refitting work that was done on the three submarines which were stationed in Australia during the 1960s: HMS *Tabard*, *Trump* and *Taciturn*. The drawings are standard for their class, and show reference to such items as generators, piping systems and many other items or aspects of machinery. They have their original maker's or British Admiralty drawing numbers; many have also been given Australian Navy Office numbers and some have Cockatoo Dockyard numbers.

### **INDEXES TO MECHANICAL WORKING DRAWINGS OF BRITISH 'T' CLASS SUBMARINES, 1939–65 M2933**

**Quantity: 0.09 metres**

### **BLUEPRINT COPIES OF SMALL SCALE 'AS FITTED' MECHANICAL DRAWINGS FOR 'T' CLASS SUBMARINES, 1951 M2822**

**Quantity: 0.18 metres**

The twenty-two drawings in this series cover such details as docking plan, water systems, telemotor systems, oil fuel systems, HP air service, battery and ship ventilation, etc.

### **FOLDER OF 'AS FITTED' SMALL SCALE TRACINGS OF SUBMARINE HMS *TABARD*, 1953–55 M3202**

**Quantity: 0.09 metres**



**BRITISH ADMIRALTY INSTRUCTION MANUALS AND SPECIFICATIONS RELATING TO 'T'  
CLASS SUBMARINES, 1955–60 M2820****Quantity: 0.18 metres**

The nine instruction manuals in this series were produced by the British Admiralty to cover operating procedures for various machinery and/or hull parts of the submarines. All manuals have a table of contents and include graphs, charts, diagrams, drawings and photographs.

**Notes on streamlining, 1955 M2820, 1****Specification for asbestos cloth for mattress covers, 1957 M2820, 7****PHOTOGRAPHS OF SUBMARINES HMS TABARD, TRUMP AND TACITURN, 1960–69  
M3164****Quantity: 0.09 metres**

Black and white photographs in this series are of the pre and post refit condition of HMS *Trump*, *Tabard* and *Taciturn*. Subjects depicted include machinery and living quarters.

**PHOTOGRAPHS OF SUBMARINE HMS TABARD, 1964 M3269****Quantity: 0.18 metres**

Black and white photographs in this series include machinery and living quarters.

**PHOTOGRAPHS OF SUBMARINE HMS TABARD, 1964 M3271****Quantity: 0.18 metres**

The 12 black and white photographs in this series depict machinery, particularly pipes.

**PHOTOGRAPHS OF SUBMARINE HMS TABARD, 1964 M3272****Quantity: 0.18 metres**

This series of black and white photographs all depict machinery or areas of the submarine.

**PHOTOGRAPHS OF SUBMARINE HMS TABARD, 1964 M3273****Quantity: 0.18 metres**

Subjects depicted in these 11 black and white photographs include the radar room, stokers' mess, seamen's bathroom, control room, and various compartments.

**REGISTER AND INDEX TO PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964  
M3270****Quantity: 0.18 metres**

This series consists of five loose sheets of paper, two of which provide an index, and three a register, to photographs of the refit of the submarine HMS *Tabard*, held in M3269.

**PHOTOGRAPHS OF THE UNDOCKING AND COMMISSIONING OF SUBMARINE HMS  
*TABARD*, 1965 M3274****Quantity: 0.09 metres**

The eleven black and white photographs in this series relate to the undocking and commissioning ceremony after the refit of the submarine HMS *Tabard* at Cockatoo Island Dockyard. Subjects depicted include exterior views, living quarters and machinery.

**Submarine HMS *Taciturn* – refit**

One of three submarines on loan from the Royal Navy, the two other vessels were the HMS *Tabard* and the HMS *Trump* (both of which are described in this chapter).

**BLUEPRINT COPIES OF MECHANICAL WORKING DRAWINGS FOR 'T' CLASS  
SUBMARINES, 1939–65 M2824****Quantity: 1.44 metres**

See the series description for HMS *Tabard* for further information.

**INDEXES TO MECHANICAL WORKING DRAWINGS OF BRITISH 'T' CLASS SUBMARINES,  
1939–65 M2933****Quantity: 0.09 metres****BLUEPRINT COPIES OF SMALL SCALE 'AS FITTED' MECHANICAL DRAWINGS FOR 'T'  
CLASS SUBMARINES, 1951 M2822****Quantity: 0.18 metres**

See the series description for HMS *Tabard* for further information.

**BRITISH ADMIRALTY INSTRUCTION MANUALS AND SPECIFICATIONS RELATING TO 'T'  
CLASS SUBMARINES, 1955–60 M2820**

**Quantity: 0.18 metres**

See the series description for HMS *Tabard* for further information.

**PHOTOGRAPHS OF SUBMARINE HMS TACITURN, 1960 M3175**

**Quantity: 0.09 metres**

**PHOTOGRAPHS OF SUBMARINE HMS TACITURN, 1960 M3176**

**Quantity: 0.09 metres**

**PHOTOGRAPHS OF SUBMARINES HMS TABARD, TRUMP AND TACITURN, 1960–69  
M3164**

**Quantity: 0.09 metres**

See the series description for HMS *Tabard* for further information.

**HMAS *Tobruk***

The Battle class destroyer HMAS *Tobruk* was constructed for the Royal Australian Navy at Cockatoo Island Dockyard as ship number 185. The last all-riveted warship built at Cockatoo Island Dockyard, it was based on a British Admiralty design and modified by the Navy Office. Ordered in October 1944 and laid down on 5 August 1946, it was launched on 20 December 1947 and completed on 17 May 1950. Its overall length was 379 feet, and displacement was 2400 tons. HMAS *Tobruk* served in Korea on several occasions, and at the British atomic tests at the Monte Bello Islands. Later it was used as a naval training ship, and in 1972 sold to a Japanese company for scrap.

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF BATTLE CLASS DESTROYERS  
HMAS TOBRUK AND ANZAC, 1939–53 M2945**

**Quantity: 4.50 metres**

**FOLDER OF QUOTATIONS FOR THE CONSTRUCTION OF BATTLE CLASS DESTROYER  
HMAS TOBRUK, 1944–50 M2811****Quantity: 0.18 metres**

This series consists of a folder containing the quotations for particular components of HMAS *Tobruk*. Quotations cover mainly boiler, turbine, plates, pipes, and telegraph parts. Parts for both HMAS *Tobruk* and *Anzac* were often ordered and manufactured at Cockatoo Island Dockyard.

**FILES RELATING TO BATTLE CLASS DESTROYER HMAS TOBRUK, 1944–50  
M2799****Quantity: 0.18 metres**

This series consists of miscellaneous files which relate to the construction of the HMAS *Tobruk*, but are not concerned with final cost estimates, correspondence, or drawings of the ship. HMAS *Anzac*, built at Williamstown Naval Dockyard in Victoria but whose main machinery was constructed at Cockatoo Island Dockyard, is often referred to in the files as ship/job number 186.

**Spare gear, portable fittings and tools, 1946–47 M2799, 1****Overseas orders, 1946–48 M2799, 10****WORKING DRAWINGS OF BATTLE CLASS DESTROYER HMAS TOBRUK, 1944–51  
M2742****Quantity: 4.32 metres**

Drawings include welding specifications and instructions, body and framing plans, details of machinery seatings, bulkheads, plating, girders and gun supports.

**Upholstery plan, 1949 M2742, 400****Ensign staff and details, 1946 M2742, 425****ORIGINAL SUNDRY SKETCHES OF BATTLE CLASS DESTROYER HMAS TOBRUK, 1944–51  
M2784****Quantity: 1.08 metres****REGISTER TO WORKING DRAWINGS OF BATTLE CLASS DESTROYER HMAS TOBRUK,  
1944–51 M2796****Quantity: 0.18 metres**

This is a register to the drawings held in M2742. In the back of the book is information relating to Battle class destroyers, armaments, aluminium furniture, and a list of drawings received from the Director of Ordnance, Torpedoes and Mines in the RAN.

**FOLDERS OF CORRESPONDENCE RELATING TO THE CONSTRUCTION OF BATTLE CLASS  
DESTROYER HMAS *TOBRUK*, 1944–57 M2790**

**Quantity: 0.36 metres**

This series consists of correspondence with Williamstown Naval Dockyard in Victoria, the Naval Board, and others, relating to the ordering of parts and construction. In most cases, separate folders were maintained for inwards and outwards correspondence.

**FILES RELATING TO BATTLE CLASS DESTROYERS HMAS *TOBRUK* AND *ANZAC*, 1944–59  
M3001**

**Quantity: 0.18 metres**

See the series description for HMAS *ANZAC* for further information.

**COCK LIST BOOKS FOR BATTLE CLASS DESTROYERS HMAS *TOBRUK* AND *ANZAC*,  
1945–50 M2789**

**Quantity: 0.36 metres**

See the series description for HMAS *ANZAC* for further information.

**INDEX TO WORKING DRAWINGS OF BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1945–  
51 M2795**

**Quantity: 0.18 metres**

**INDEX TO MECHANICAL DRAWINGS OF BATTLE CLASS DESTROYERS HMAS *TOBRUK*  
AND *ANZAC*, 1945–51 M2971**

**Quantity: 0.09 metres**

See the series description for HMAS *ANZAC* for further information.

**PIPE LIST BOOKS FOR BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1946  
M2768**

**Quantity: 0.36 metres**

**MECHANICAL DRAWINGS OF BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1946–47  
M2752**

**Quantity: 0.18 metres**

Mechanical drawings in this series relate mostly to the steering gear.

**MONTHLY PROGRESS REPORTS ON MATERIAL ORDERED OVERSEAS FOR BATTLE  
CLASS DESTROYER HMAS *TOBRUK*, 1946–48 M2809**

**Quantity: 0.18 metres**

This series consists of the letters and schedules used to keep track of the progress of the parts ordered overseas. The letters are copies of the correspondence between Cockatoo Docks and Engineering Co. Ltd, the Royal Australian Navy, and the British Admiralty. The schedules are of orders placed on the Secretary of the Admiralty for destroyers built in Australia; they give the ship number, Australian identification number, date of requisition on the Admiralty, description, maker's name, quantity, base spares to Garden Island, Admiralty order number and date, and remarks.

**SPECIFICATION SHEETS FOR BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1946–50  
M2810**

**Quantity: 0.18 metres**

The specification sheets that comprise this series relate to individual parts manufactured in places other than Cockatoo Island Dockyard.

**SKETCHES OF BATTLE CLASS DESTROYERS HMAS *TOBRUK* AND *ANZAC*, 1947–49  
M2767**

**Quantity: 0.18 metres**

See the series description for HMAS *ANZAC* for further information.

**GEARCASE MESHING RECORDS OF BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1948–  
50 M2955**

**Quantity: 0.18 metres**

This series consists of gearcase tooth contact diagrams and related correspondence for the HMAS *Tobruk*. They show the results of testings of both the port and starboard gearcases and the various components of the gearing machinery.

Also contained within the series are copies of correspondence relating to the machinery with the Ministry of Munitions, the British Admiralty and the Australian Department of Navy. Attached to the letters are copies of the relevant test results.

**'AS FITTED' DRAWINGS OF BATTLE CLASS DESTROYER HMAS *TOBRUK*, 1949–51  
M2835****Quantity: 0.54 metres**

Drawings in this series show general arrangement, design and mechanical layout of the HMAS *Tobruk* on completion at Cockatoo Island Dockyard. Included are profiles and sections, arrangements for fresh and salt water services, magazine and shell rooms, hydraulic steering gear, plating, a docking plan and a sketch of the rig.

**Arrangement of torpedo pistol room, 1951      M2835, 24****General arrangement of profile, 1951      M2835, 74****HMAS *Torrens***

The River class torpedo boat destroyer HMAS *Torrens* was allocated ship number 5. Its measurements were the same as for HMAS *Huon* and HMAS *Swan*. It was laid down on 25 January 1913, and completed on 8 July 1916. As a result of a general reduction in naval activity due to lack of finance during the Depression, it was decided to scrap the six torpedo boat destroyers. On 24th November 1930 HMAS *Torrens* was towed to sea for use as a fleet gunnery practice target and was sunk by gunfire.

**WORKING DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND *SWAN*, 1912–16      C3270****Quantity: 0.9 metres**

See the series description for HMAS *Huon* for further information.

**GUIDANCE DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND *SWAN*, 1912–16      C3271****Quantity: 0.36 metres****'AS FITTED' AND WORKING ELECTRICAL DRAWINGS OF TORPEDO BOAT DESTROYERS HMAS *HUON*, *TORRENS* AND *SWAN*, 1913–18      C3538****Quantity: 0.98 metres**

**'AS FITTED' DRAWINGS OF TORPEDO BOAT DESTROYER HMAS *TORRENS*, 1916  
C3262**

**Quantity: 0.18 metres**

The drawings in this series provide a record of the ship on completion, and show such details as general arrangements of ventilation, and the position of galleys, pumps and fuel tanks.

**Expansion shell and upper deck plating, 1916      C3262, 6**

**12 pounder and small arms magazine and 12 pounder shell room, 1916  
C3262, 15**

**HMAS *Torrens* (II)**

The Type 12 destroyer escort HMAS *Torrens* was constructed for the Royal Australian Navy at Cockatoo Island Dockyard as ship number 224; its related ship HMAS *Swan* was constructed at Williamstown Dockyard. It was laid down on 16 August 1965, launched on 28 September 1968 and completed on 18 January 1971. Overall length was 372 feet and displacement was 2750 tons. HMAS *Torrens* was to be the last combat warship constructed in Australia for the Navy for twenty-one years. The turbines for both the HMAS *Torrens* and HMAS *Swan* were built at Cockatoo Island Dockyard, as ship/job number 223, although the boilers were built by Vickers in England.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS  
*VAMPIRE*, *VOYAGER*, *PARRAMATTA*, *STUART*, *STALWART* AND *TORRENS*, 1949–71  
M2797**

**Quantity: 9.95 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTERS TO THE TOOLING OPERATION SHEETS FOR THE MACHINERY OF HMAS  
*VOYAGER*, *VAMPIRE*, *PARRAMATTA*, *STUART* AND *TORRENS*, 1951–62  
M2966**

**Quantity: 0.18 metres**

**REGISTER TO ENGLISH TOOL DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*  
AND *STUART* AND DESTROYER ESCORT HMAS *TORRENS*, 1952–54      M3265**

**Quantity: 0.09 metres**



**ORIGINAL TOOLING (TURBINE) DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*,  
*STUART*, *YARRA* AND *DERWENT* AND FOR DESTROYER ESCORT HMAS *TORRENS*, 1952–  
71**  
**M2692**

**Quantity: 1.00 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**WORKING DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1953–71**  
**M2844**

**Quantity: 7.23 metres**

**General arrangement, 1966**      **M2844, 209/20**

**Bridge arrangement, 1967**      **M2844, 209/341-1**

**INDEX TO WORKING DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1953–71**  
**M2850**

**Quantity: 0.02 metres**

**NAVY OFFICE ELECTRICAL SPECIFICATIONS FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1953–76**      **M3069**

**Quantity: 0.18 metres**

The specifications in this series relate to a variety of items from cooking appliances to generators.

**OPERATION SHEETS FOR TYPE 12 FRIGATES HMAS *PARRAMATTA* AND *STUART*, AND  
DARING CLASS DESTROYERS HMAS *VOYAGER* AND *VAMPIRE*, 1954–64**  
**M3029**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

Where the ship/job number 223 is given on the sheets, the drawings listed refer to the turbines of the destroyer escorts HMAS *Torrens* and *Swan*, also built at Cockatoo Island Dockyard (see series M2781).

**FOLDER CONTAINING WORKING DRAWINGS AND PUBLISHED MATERIAL OF HULL  
OUTFIT PULLEY LIFTING GEAR OF DESTROYER ESCORT HMAS *TORRENS*, 1959–61**  
**M2864**

**Quantity: 0.05 metres**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF DESTROYER ESCORT HMAS  
TORRENS, 1961–74 M2781**

**Quantity: 13.77 metres**

The drawings and plans in this series principally relate to the destroyer escort HMAS *Torrens*; however some drawings also deal with the internal arrangement of HMAS *Swan*.

**Arrangement of ladders and floor plates in engine room, 1965 M2781,  
MGA 3.3**

**Main tiller, 1967 M2781, MGH 1.37**

**REGISTER TO MECHANICAL DRAWINGS OF DESTROYER ESCORT HMAS TORRENS,  
1961–74 M2782**

**Quantity: 0.09 metres**

**'AS FITTED' DIAGRAMMATIC ARRANGEMENTS OF PIPING SYSTEMS FOR DESTROYER  
ESCORT HMAS TORRENS, 1963–65 M2749**

**Quantity: 0.08 metres**

This series of drawings shows the dimensions, details and applications of the various piping systems on the HMAS *Torrens*, and cover such things as steam systems, turbine drains, lubricating oil systems and salt water systems, etc.

**FORGING BOOK FOR ENGINE NUMBER 223 AND DESTROYER ESCORT HMAS TORRENS,  
1964–66 M3193**

**Quantity: 0.09 metres**

**MISCELLANEOUS SKETCH BOOK FOR ENGINE NUMBER 223 AND DESTROYER ESCORT  
HMAS TORRENS, 1964–66 M3191**

**Quantity: 0.09 metres**

**REGISTER TO MECHANICAL WORKING DRAWINGS OF DESTROYER ESCORT HMAS  
TORRENS AND OF ENGINE NUMBER 223, 1964–70 M2968**

**Quantity: 0.18 metres**

**ELECTRICAL HANDBOOKS FOR DESTROYER ESCORT HMAS *TORRENS*, 1964–70  
M3066**

**Quantity: 0.18 metres**

The handbooks in this series were used by the Electrical Drawing Office at Cockatoo Island Dockyard for the installation and maintenance of equipment and systems on the destroyer escort HMAS *Torrens*.

The handbooks consist mostly of published material from the manufacturers of such equipment as the smoke density indicating equipment and radar identification set. They are numbered in the range 1 to 15, with some gaps.

**ORIGINAL SUNDRY SKETCHES FOR DESTROYER ESCORTS HMAS *TORRENS* AND *SWAN*,  
1964–71 M2775**

**Quantity: 1.44 metres**

**REGISTER TO WORKING DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1964–71  
M2851**

**Quantity: 0.02 metres**

**FOLDERS CONTAINING MATERIAL SPECIFICATIONS FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1964–71 M2867**

**Quantity: 0.54 metres**

**SAMPLE PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR  
THE CONSTRUCTION OF DESTROYER ESCORT HMAS *TORRENS*, 1964–71  
M3091**

**Quantity: 0.36 metres**

This pack contains samples of the documentation produced by the Planning Department at Cockatoo Island Dockyard in regard to the construction, the progress reporting and the program of tests and trials relating to the destroyer escort HMAS *Torrens*. Also included are samples of correspondence with Naval authorities.

**CORRESPONDENCE FILES RELATING TO DESTROYER ESCORT HMAS *TORRENS*, 1964–75  
M3017**

**Quantity: 1.98 metres**

Included in this series are contracts; acceptance and purchase orders; correspondence between Navy, Cockatoo Docks & Engineering Co. Pty Ltd/Vickers Cockatoo Dockyard Pty Limited, Department of Supply and Williamstown Dockyard; drawings and sketches; forms and tables; and notes, reports and published material. An index to the correspondence was held as part of the series.

**GEARCASE MESHING RECORDS OF DESTROYER ESCORT HMAS *TORRENS*, 1965  
M2794**

**Quantity: 0.18 metres**

This series consists of sheets of the gearcase tooth contact diagrams, showing the results of testing the gearcase pinions for the engine of the HMAS *Torrens*.

**WORKING ELECTRICAL DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1965–68  
M3059**

**Quantity: 0.90 metres**

Drawings in this series are copies of Navy Office drawings.

**NEGATIVES OF PHOTOGRAPHS TAKEN OF DESTROYER ESCORT HMAS *TORRENS*, 1965–69  
M3012**

**Quantity: 0.18 metres**

**FITTINGS LIST SUMMARIES FOR DESTROYER ESCORTS HMAS *TORRENS* AND *SWAN*,  
1965–69 M2798**

**Quantity: 0.54 metres**

These fitting lists are copies of those made up in Williamstown Naval Dockyard for HMAS *Swan*. As this was an identical Type 12 destroyer escort to HMAS *Torrens*, and they required the same supplies and fittings, the standardised set of listings was used for both ships.

**HULL FITTING LIST FOR DESTROYER ESCORT HMAS *TORRENS*, 1965–71  
M2860**

**Quantity: 0.02 metres**

**FILES RELATING TO TESTS OF ELECTRICAL COMPONENTS OF DESTROYER ESCORT  
HMAS *TORRENS*, 1966–68 M3190**

**Quantity: 0.45 metres**

Only three files holding test forms and reports are extant. Items tested were main and auxiliary switchboards, generating machinery, and forward cable and warping capstan motor.

**PIPE BOOKS FOR DESTROYER ESCORT HMAS *TORRENS*, 1966–69 M3189**

**Quantity: 0.18 metres**

**LOCATION REGISTER OF DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS* ISSUED  
TO THE SHIP DRAWING OFFICE, 1966–70 M2873**

**Quantity: 0.18 metres**

Although this volume functioned as a location register, it also provided an unofficial list of groups of drawings, with their titles, in numerical drawing number order.

**FITTING BOOKS FOR DESTROYER ESCORT HMAS *TORRENS*, 1966–70 M2951**

**Quantity: 1.44 metres**

**WORKING DRAWINGS OF GUN LOADING FACILITIES FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1967 M2872**

**Quantity: 0.05 metres**

**FOLDER OF ENVELOPES RELATING TO MACHINERY TRIALS FOR DESTROYER ESCORT  
HMAS *TORRENS*, 1967–70 M3194**

**Quantity: 0.09 metres**

This series consists of nine envelopes holding forms and charts recording the results of the machinery trial for the HMAS *Torrens*.

**WEAPON INSTALLATION DRAWINGS FOR DESTROYER ESCORT HMAS *TORRENS*, 1968  
M3173**

**Quantity: 0.09 metres**

**FOLDERS CONTAINING APPROVED INFORMATION FOR VARIOUS COMPARTMENTS OF  
DESTROYER ESCORTS HMAS *SWAN* AND *TORRENS*, 1968 M2862**

**Quantity: 0.05 metres**

This series consists of eight folders which contain approved information for various compartments of destroyer escorts HMAS *Swan* and *Torrens*. Each folder contains: approval letter, drawings, sketches and photographs.

**FOLDER CONTAINING THE MASTER CONSTRUCTION PROGRAMME FOR DESTROYER  
ESCORT HMAS *TORRENS*, 1968 M3253**

**Quantity: 0.09 metres**

**LIST OF MAKERS' DRAWINGS OF SEACAT MISSILE HOIST FOR DESTROYER ESCORT  
HMAS *TORRENS*, 1968–69 M2865**

**Quantity: 0.05 metres**

**MAKERS' DRAWINGS OF SEACAT MISSILE HOIST FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1968–69 M2866**

**Quantity: 0.40 metres**

**DETAIL SHEETS OF FITTINGS OF HMAS *SWAN* SUPPLIED FOR THE CONSTRUCTION OF  
DESTROYER ESCORT HMAS *TORRENS*, 1968–70 M3119**

**Quantity: 0.18 metres**

**REGISTER TO THE DETAIL SHEETS OF FITTINGS FROM WILLIAMSTOWN DOCKYARD OF  
DESTROYER ESCORT HMAS *SWAN* SUPPLIED FOR THE CONSTRUCTION OF HMAS  
*TORRENS*, 1968–70 M3314**

**Quantity: 0.09 metres**

**FOLDERS OF LISTS OF EQUIPMENTS, PORTABLE FITTINGS, SPARE GEAR, DRAWINGS  
AND INSTRUCTION BOOKS FOR DESTROYER ESCORT HMAS *TORRENS*, 1969  
M2861**

**Quantity: 0.99 metres**

**MACHINERY DRAWING INDEX or REGISTER TO WORKING DRAWINGS OF DESTROYER  
ESCORTS HMAS *TORRENS* AND *SWAN*, 1969–70 M3256**

**Quantity: 0.09 metres**

**FOLDERS OF FINAL ELECTRICAL TRIALS SCHEDULES FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1969–70 M2946**

**Quantity: 0.18 metres**

**'AS FITTED' DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1969–74  
M2863**

**Quantity: 0.72 metres**

**FOLDER OF SONAR DAVIT DRAWINGS OF DESTROYER ESCORT HMAS *TORRENS*, 1970  
M2950**

**Quantity: 0.03 metres**

**FOLDER OF BASIN TRIAL RESULTS FOR DESTROYER ESCORT HMAS *TORRENS*, 1970  
M2807**

**Quantity: 0.01 metres**

Basin trials were conducted on ships tied alongside a wharf to test their main propulsion machinery.

**'AS FITTED' ELECTRICAL DRAWINGS FOR DESTROYER ESCORT HMAS *TORRENS*, 1970–  
71 M3062**

**Quantity: 2.43 metres**

**MISCELLANEOUS MACHINERY TRIAL REPORT FOLDER OF DESTROYER ESCORT HMAS  
*TORRENS*, 1971 M2963**

**Quantity: 0.18 metres**

**MACHINERY INFORMATION BOOK FOR DESTROYER ESCORT HMAS *TORRENS*, 1971  
M3302**

**Quantity: 0.25 metres**

**Submarine HMS *Trump* – refit**

As with the two other Royal Navy submarines on loan to Australia (see HMS *Tabard* and HMS *Taciturn* above), the HMS *Trump* was built during World War II and modernised in the 1950s. Cockatoo Dockyard completed two refits of HMS *Trump* in 1962–1963 and 1965–1966.

**BLUEPRINT COPIES OF MECHANICAL WORKING DRAWINGS FOR 'T' CLASS  
SUBMARINES, 1939–65 M2824**

**Quantity: 1.44 metres**

See the series description for HMS *Tabard* for further information.

**INDEXES TO MECHANICAL WORKING DRAWINGS OF BRITISH 'T' CLASS SUBMARINES,  
1939–65 M2933**

**Quantity: 0.09 metres**

**BLUEPRINT COPIES OF SMALL SCALE 'AS FITTED' MECHANICAL DRAWINGS FOR 'T'  
CLASS SUBMARINES, 1951 M2822**

**Quantity: 0.18 metres**

See the series description for HMS *Tabard* for further information.

**BRITISH ADMIRALTY INSTRUCTION MANUALS AND SPECIFICATIONS RELATING TO 'T'  
CLASS SUBMARINES, 1955–60 M2820**

**Quantity: 0.18 metres**

See the series description for HMS *Tabard* for further information.

**PHOTOGRAPHS OF SUBMARINES HMS *TABARD*, *TRUMP* AND *TACITURN*, 1960–69  
M3164**

**Quantity: 0.09 metres**

See the series description for HMS *Tabard* for further information.

**PHOTOGRAPHS OF SUBMARINE HMS *TRUMP*, 1965 M3177**

**Quantity: 0.09 metres**

Black and white photographs in this series depict machinery and living quarters.

## **HMAS *Vampire***

The Daring class destroyer HMAS *Vampire*, designed by the British Admiralty, was constructed at Cockatoo Island Dockyard as ship number 189. It was laid down on 1 July 1952, launched on 27 October 1956, and completed on 22 June 1959. Its length was 390 feet overall and displacement was 2 800 tons. The original British design was extensively modified in Australia.

HMAS *Vampire* served in the East and on routine fleet duties in Australian waters. The vessel, now owned by the Australian National Maritime Museum, is moored in Darling Harbour beside the museum.

**FOLDERS OF 'AS FITTED' DRAWINGS OF NOZZLE CONTROL VALVES FOR DARING  
CLASS DESTROYERS HMAS *VAMPIRE*, *VOYAGER* AND *VENDETTA*, 1946–50  
M3206**

**Quantity: 0.09 metres**



**INDEX TO WORKSHOP SKETCHES OF DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1946–59 M3260**

**Quantity: 0.09 metres**

This series consists of an undated index book to workshop sketches, and a folder containing lists of casting drawings and patterns for the Daring class destroyers. Information recorded in the index in columns consists of sketch number, sheet size, drawing number, file number, and description/title.

The folder contains lists of drawings of turbine components and deck fitting castings, as well as lists of patterns in drawing number order.

**INDEX TO MATERIALS ORDERED FOR DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, AND FOR TURBINES AND BOILERS FOR HMAS VOYAGER, VAMPIRE,  
VENDETTA AND WATERHEN, 1947–58 M3248**

**Quantity: 0.02 metres**

**WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE,  
1947–59 M2874**

**Quantity: 1.62 metres**

The drawings in this series cover many aspects of design, general arrangement, and fittings for the ships.

**General arrangement, 1952 M2874, 3**

**Nameplates, 1956–59 M2874, 1134**

**REGISTER TO WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1947–59 M2901**

**Quantity: 0.09 metres**

**INDEX TO WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND  
VAMPIRE, 1947–59 M2898**

**Quantity: 0.18 metres**

**‘D’ INDEX AND CROSS REFERENCE BOOKS FOR TURBINES AND BOILERS FOR DARING  
CLASS DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1948–56  
M3220**

**Quantity: 0.09 metres**

**REGISTER TO MECHANICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS  
VOYAGER AND VAMPIRE, 1948–59 M3045**

**Quantity: 0.02 metres**

This register is a listing of the complete set of mechanical drawings for HMAS *Voyager* and *Vampire* and is the main control record for the series of mechanical drawings held in M2869. In addition, there are sections covering sundry sketches, boilers, piping systems, pipe arrangement drawings, guidance drawings and sketch sheets, etc.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS  
VAMPIRE, VOYAGER, PARRAMATTA, STUART, STALWART AND TORRENS, 1949–71  
M2797**

**Quantity: 9.90 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**ORIGINAL TOOLING (TURBINE) DRAWINGS OF DARING CLASS DESTROYERS HMAS  
VOYAGER AND VAMPIRE, 1950–59 M3030**

**Quantity: 4.14 metres**

These drawings are of turbines and turbine related machinery, and include such items as nozzle bars, angle plates, tapers, adaptor plates, clamps, tenon squares and radials, width and taper gauges, form tools, index plates, broach blades, etc. They were used in conjunction with the main set of mechanical drawings (M2869) and the series of tooling operation sheets (M2797), as well as the set of operations sequence sheets (M3029). Used together, these three sets of drawings show in detail the machinery parts and how they were constructed and assembled to form the turbine machinery for these ships.

**INDEX TO TOOLING (NOZZLE CONTROL VALVES) DRAWINGS FOR DARING CLASS  
DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1950–59  
M3262**

**Quantity: 0.09 metres**

**REGISTERS TO THE TOOLING OPERATION SHEETS FOR THE MACHINERY OF HMAS  
VOYAGER, VAMPIRE, PARRAMATTA, STUART AND TORRENS, 1951–62  
M2966**

**Quantity: 0.18 metres**

**INDEX TO TOOLING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND  
STUART AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1951–62  
M3032**

**Quantity: 0.04 metres**

**'AS FITTED' ELECTRICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1952–59 M3055**

**Quantity: 1.62 metres**

Information in this series relates to the ship's air conditioning, refrigeration, armament broadcast and communication, radar, gyro compass circuits, telephones, torpedo control system, fire control, power and lighting etc.

**ISSUE BOOK FOR ELECTRICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1953–59 M3304**

**Quantity: 0.09 metres**

**'AS FITTED' PIPING DRAWINGS FOR DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1954–59 M2723**

**Quantity: 0.98 metres**

These 'as fitted' drawings were produced to show the layout of the piping systems of the ships on their completion. Subjects covered include telemotor piping systems, drainage and ballasting systems, steering gear, fresh water service, etc.

**INDEX TO WORKING DRAWINGS OF DARING CLASS DESTROYER HMAS VAMPIRE, 1954–59 M2903**

**Quantity: 0.09 metres**

**ISSUE BOOK FOR WORKING DRAWINGS OF DARING CLASS DESTROYER HMAS VAMPIRE, 1954–59 M2902**

**Quantity: 0.09 metres**

This series functions as an unofficial register. The book records the drawing number, title, dates sent to the shipbuilder, loft shipwright, plater, welding inspector, and the hull overseer. Most of the drawings were used as well in the building of the HMAS *Voyager* and were given the same drawing numbers. The book also contains a loose sheet that records the first nineteen 'as fitted' drawings for HMAS *Vampire* (M2843).

**OPERATION SEQUENCE SHEETS FOR THE TOOLING DRAWINGS AND OPERATION SHEETS FOR TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1954–64 M3029**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTER TO OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES HMAS  
PARRAMATTA AND STUART AND FOR DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1954–64 M3113**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**‘AS FITTED’ MECHANICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1956–59 M2869**

**Quantity: 6.30 metres**

These drawings also contain references to a third destroyer, HMAS *Vendetta*, built at Williamstown Naval Dockyard in Victoria. These drawings show the completed layout including turbine, boiler, exhaust and propulsion machinery.

**‘AS FITTED’ DRAWINGS OF DARING CLASS DESTROYER HMAS VAMPIRE, 1959  
M2843**

**Quantity: 0.90 metres**

These drawings cover profiles, pumps, drainage, exterior fittings and shell, plate and line expansion.

**General arrangement – forecastle deck and bridges, 1959 M2843, 3**

**Detail of twin rudders, 1959 M2843, 44**

**FOLDERS OF ELECTRICAL EQUIPMENT TRIAL RECORDS FOR DARING CLASS  
DESTROYER HMAS VAMPIRE, 1959 M3312**

**Quantity: 0.09 metres**

This series consists of two folders relating to electrical trials of equipment for HMAS *Vampire*. The first is ‘Results of Balancing Electrical Circuits and Fittings’ and the second is ‘HP Switchboard. Breakers & Switches, Millivolt drop tests’.

## **HMAS *Vendetta* – machinery**

Machinery, designed by the English Electric Company, was built at Cockatoo Island Dockyard, along with many of the fittings. Ship/job number 190 was allocated to the manufacture of the main machinery for HMAS *Vendetta*.

**FOLDERS OF ‘AS FITTED’ DRAWINGS OF NOZZLE CONTROL VALVES FOR DARING  
CLASS DESTROYERS HMAS VAMPIRE, VOYAGER AND VENDETTA, 1946–50  
M3206**

**Quantity: 0.09 metres**

**INDEX TO MATERIALS ORDERED FOR DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, AND FOR TURBINES AND BOILERS FOR HMAS VOYAGER, VAMPIRE,  
VENDETTA AND WATERHEN, 1947–58 M3248**

**Quantity: 0.02 metres**

**‘D’ INDEX AND CROSS REFERENCE BOOKS FOR TURBINES AND BOILERS FOR DARING  
CLASS DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1948–56  
M3220**

**Quantity: 0.09 metres**

**INDEX TO TOOLING (NOZZLE CONTROL VALVES) DRAWINGS FOR DARING CLASS  
DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1950–59  
M3262**

**Quantity: 0.09 metres**

**Patrol vessel *Vigilant***

The patrol vessel *Vigilant* was constructed as ship number 120 at Cockatoo Island Dockyard for the Department of Trade and Customs. It was laid down on 30 August 1937, launched on 12 March 1938 and completed on 25 July 1938. With a length of 95 feet, and full load displacement of 95 tons, *Vigilant* was the first vessel built in Australia using aluminium in its structure. It was requisitioned for naval service and commissioned in 1940, serving as a patrol vessel in the Darwin area. In April 1944 it was renamed *Sleuth*, and again renamed as *Hawk* in March 1945. After the war it was returned to its former owners as *Vigilant*, later serving as a whaling vessel in Western Australia. Finally in April 1966 the vessel was sunk by its crew in Sydney.

**ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39 M3228**

**Quantity: 0.09 metres**

**WORKING DRAWINGS OF PATROL VESSEL VIGILANT, 1937–38 M2785**

**Quantity: 0.36 metres**

Drawings in this series are mainly of ship and hull, such as general arrangements of the ship, mechanical layout, general fit and design. Some mechanical drawings are included.

**General arrangement, 1937 M2785, 1**

**Arrangement and detail of funnel, 1937 M2785, 40**

## Tug *Vivian*

The wooden diesel tug *Vivian* was constructed at Cockatoo Island Dockyard for Sydney Ferries Limited, as ship number 116. The vessel was launched on 5 August 1937, and completed on 18 August of the same year.

### **ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39**

**M3228****Quantity: 0.09 metres**

### **WORKING DRAWINGS OF WOODEN TUG *VIVIAN*, 1936–37**

**M2848****Quantity: 0.18 metres**

Drawings in this series include general arrangements, sections and profile, and engine information.

**Colour scheme, modification to belting and rails and modification to floors etc, 1937      M2848, 17**

**Lines plan, 1937      M2848, 20**

## HMAS *Voyager*

As with the HMAS *Vampire*, the HMAS *Voyager* was designed by the British Admiralty. Allocated ship number 188, it was laid down on 10 October 1949, launched on 1 March 1952, and completed on 10 February 1957. It had the same specifications as for HMAS *Vampire*. HMAS *Voyager* was the first all-welded warship built in Australia. Machinery and fittings, designed by the English Electric Company, were built for the vessel and allocated ship/job number 190. HMAS *Voyager* served with the British Commonwealth Strategic Reserve for a short time, and later represented Australia in various exercises and ceremonial occasions. On 10 February 1964, HMAS *Voyager* sank after colliding with HMAS *Melbourne* off Jervis Bay in New South Wales, with the loss of eighty-two men.

### **FOLDERS OF 'AS FITTED' DRAWINGS OF NOZZLE CONTROL VALVES FOR DARING CLASS DESTROYERS HMAS *VAMPIRE*, *VOYAGER* AND *VENDETTA*, 1946–50** **M3206**

**Quantity: 0.09 metres**

### **INDEX TO WORKSHOP SKETCHES OF DARING CLASS DESTROYERS HMAS *VOYAGER* AND *VAMPIRE*, 1946–59** **M3260**

**Quantity: 0.09 metres**

See the series description for HMAS *Vampire* for further information.

**INDEX TO MATERIALS ORDERED FOR DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, AND FOR TURBINES AND BOILERS FOR HMAS VOYAGER, VAMPIRE,  
VENDETTA AND WATERHEN, 1947–58 M3248**

**Quantity: 0.02 metres**

**WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE,  
1947–59 M2874**

**Quantity: 1.62 metres**

See the series description for HMAS *Vampire* for further information.

**REGISTER TO WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1947–59 M2901**

**Quantity: 0.09 metres**

**INDEX TO WORKING DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND  
VAMPIRE, 1947–59 M2898**

**Quantity: 0.18 metres**

**‘D’ INDEX AND CROSS REFERENCE BOOKS FOR TURBINES AND BOILERS FOR DARING  
CLASS DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1948–56  
M3220**

**Quantity: 0.09 metres**

**‘AS FITTED’ ELECTRICAL MAKERS’ DRAWINGS OF DARING CLASS DESTROYER HMAS  
VOYAGER, 1948–58 M3054**

**Quantity: 0.36 metres**

Information provided in these drawings relates to the ship's motors, starters, regulators, boilers and refrigeration.

**REGISTER TO MECHANICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS  
VOYAGER AND VAMPIRE, 1948–59 M3045**

**Quantity: 0.02 metres**

See the series description for HMAS *Vampire* for further information.

**ORIGINAL TOOLING OPERATION SHEETS FOR THE TURBINE MACHINERY OF HMAS  
VAMPIRE, VOYAGER, PARRAMATTA, STUART, STALWART AND TORRENS, 1949–71  
M2797**

**Quantity: 9.90 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**ORIGINAL TOOLING (TURBINE) DRAWINGS OF DARING CLASS DESTROYERS HMAS  
VOYAGER AND VAMPIRE, 1950–59 M3030**

**Quantity: 4.14 metres**

See the series description for HMAS *Vampire* for further information.

**INDEX TO TOOLING (NOZZLE CONTROL VALVES) DRAWINGS FOR DARING CLASS  
DESTROYERS HMAS VOYAGER, VAMPIRE, VENDETTA AND WATERHEN, 1950–59  
M3262**

**Quantity: 0.09 metres**

**REGISTERS TO THE TOOLING OPERATION SHEETS FOR THE MACHINERY OF HMAS  
VOYAGER, VAMPIRE, PARRAMATTA, STUART AND TORRENS, 1951–62  
M2966**

**Quantity: 0.18 metres**

**INDEX TO TOOLING DRAWINGS OF TYPE 12 FRIGATES HMAS PARRAMATTA AND  
STUART AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1951–62  
M3032**

**Quantity: 0.04 metres**

**‘AS FITTED’ ELECTRICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER  
AND VAMPIRE, 1952–59 M3055**

**Quantity: 1.62 metres**

See the series description for HMAS *Vampire* for further information.

**ISSUE BOOK FOR ELECTRICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS  
VOYAGER AND VAMPIRE, 1953–59 M3304**

**Quantity: 0.09 metres**



**'AS FITTED' PIPING DRAWINGS FOR DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1954–59 M2723**

**Quantity: 0.98 metres**

See the series description for HMAS *Vampire* for further information.

**OPERATION SEQUENCE SHEETS FOR THE TOOLING DRAWINGS AND OPERATION SHEETS FOR TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART, AND DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1954–64 M3029**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTER TO OPERATION SEQUENCE SHEETS FOR TYPE 12 FRIGATES HMAS PARRAMATTA AND STUART AND FOR DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1954–64 M3113**

**Quantity: 0.18 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**'AS FITTED' MECHANICAL DRAWINGS OF DARING CLASS DESTROYERS HMAS VOYAGER AND VAMPIRE, 1956–59 M2869**

**Quantity: 6.30 metres**

See the series description for HMAS *Vampire* for further information.

**'AS FITTED' DRAWINGS OF DARING CLASS DESTROYER HMAS VOYAGER, 1957–58 M2849**

**Quantity: 0.54 metres**

The drawings in this series drawings cover profiles, pumps, drainage, exterior fittings, and shell, frame and plate expansions.

**General arrangement – sections, 1958 M2849, 2**

**Silhouette, 1957 M2849, 67**

**MISCELLANEOUS RECORDS RELATING TO THE COLLISION OF HMAS *MELBOURNE* AND *VOYAGER*, 1964–69                      M3019**

**Quantity: 0.09 metres**

This series consists of sixteen items of miscellaneous records relating to the collision between HMAS *Melbourne* and *Voyager* on 10 February 1964.

**Miscellaneous papers relating to HMAS Melbourne collision, 1964–69  
M3019, NN**

## *Tug Warang*

The steam tug *Warang* was constructed at Cockatoo Island Dockyard as ship number 119 for the Waratah Tug Co. It was laid down on 5 August 1936, launched on 19 October 1936 and completed on 14 December 1936.

**WORKING DRAWINGS OF STEAM TUG *WARANG*, 1935–36                      M2708**

**Quantity: 0.18 metres**

These drawings include general arrangements, sections, profile, framing plans, pumping and drainage, and specifications. Many of the working drawings for the *Warang* were extracted and reused for the building of the *Waree* in 1938 (see M2709).

**General arrangement (including 'as fitted'), 1936                      M2708, 1**

**Painting and cementing, 1936                      M2708, 69**

**ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39                      M3228**

**Quantity: 0.09 metres**

## *Lighter Waratah*

The steam-driven lighter *Waratah*, ship number 51, was constructed at Cockatoo Island Dockyard for the Royal Australian Navy for service at Garden Island. It was laid down on 20 June 1917, launched on 30 January 1918 and completed on 24 April 1918.

**WORKING DRAWINGS OF STEAM-DRIVEN LIGHTER WARATAH, 1915–20  
C3264****Quantity: 0.36 metres**

Working drawings in this series are mainly ship/hull drawings of general arrangements, casting plans, etc. The series also includes an 'as fitted' arrangement, steam trial results, a displacement table, offsets, and an arrangement of machinery for winch from Garden Island.

**General arrangement and fly, 1916–17      C3264, 1****Midship section (includes 2 blueprints from Navy Office), 1916      C3264, 4****Tug *Waree***

The steam tug *Waree* was built at Cockatoo Island Dockyard as ship number 125, for the Waratah Tug Company. It was laid down on 4 July 1938, launched on 21 January 1939 and completed on 12 April 1939.

**ISSUE BOOK AND REGISTER TO WORKING DRAWINGS, 1935–39      M3228****Quantity: 0.18 metres****WORKING DRAWINGS OF STEAM TUG *WAREE*, 1938      M2709****Quantity: 0.18 metres**

These drawings include sections, framing plans, water and drainage services, and specifications. Many of the working drawings for the *Waree* were taken from those of the first steam tug *Warang* (M2708) built in 1936.

**Midship section, 1938      M2709, 5****Arrangement of engineer's store, voice bench and oil tanks, 1938      M2709, 44****RECORDS RELATING TO STEAM TUG *WAREE*, 1938–39      M2989****Quantity: 0.18 metres**

The miscellaneous records in this series concern a variety of aspects of the construction of the steam tug *Waree*. Included are forging books, pipe and cock books, correspondence, cost lists, material books and machinery specifications.

**Cost list, 1938      M2989, 1****Machinery specifications, 1938      M2989, 6**

## HMAS *Warramunga*

The Tribal class destroyer HMAS *Warramunga* was constructed at Cockatoo Island Dockyard as ship number 139. It was laid down on 10 February 1940, launched on 7 February 1942, and completed on 22 December 1942. Its overall length was 377 feet and displacement was 1 927 tons. HMAS *Warramunga*, one of the fastest ships built at the dockyard, served in the Pacific during World War II, with the occupation forces in Japan, in the Korean War and in the Strategic Reserve in the Far East. It was sold for scrap in 1963.

### **'AS FITTED' DRAWINGS OF TRIBAL CLASS DESTROYER HMAS *WARRAMUNGA*, 1939–43 M3018**

**Quantity: 0.36 metres**

This series of drawings includes calibration tables, angles of training elevation and depression of guns.

**Ventilation arrangement, 1942      M3018, 1**

**Upper deck, 1943      M3018, 38**

### **WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS *ARUNTA*, *WARRAMUNGA*, AND *BATAAN*, 1939–45      M2779**

**Quantity: 4.59 metres**

See the series description for HMAS *Arunta* for further information.

### **REGISTER TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS *ARUNTA*, *WARRAMUNGA* AND *BATAAN*, 1939–45      M3004**

**Quantity: 0.09 metres**

### **INDEX TO TRACINGS OF TRIBAL CLASS DESTROYERS HMAS *ARUNTA*, *WARRAMUNGA* AND *BATAAN*, 1939–45      M3009**

**Quantity: 0.09 metres**

### **INDEX TO WORKING DRAWINGS OF TRIBAL CLASS DESTROYERS HMAS *ARUNTA*, *WARRAMUNGA* AND *BATAAN*, 1939–45      M3006**

**Quantity: 0.09 metres**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF THE CONSTRUCTION AND  
MODERNISATION OF TRIBAL CLASS DESTROYERS HMAS ARUNTA, BATAAN AND  
WARRAMUNGA, 1939–53 M2808**

**Quantity: 2.7 metres**

See the series description for HMAS *Arunta* for further information.

**PHOTOGRAPHS OF A MODEL OF A TRIBAL CLASS DESTROYER, 1940 M3294**

**Quantity: 0.09 metres**

See the series description for HMAS *Arunta* for further information.

## **HMAS *Warrego***

The escort sloop HMAS *Warrego* was constructed as ship number 132. It was laid down on 15 March 1939, launched on 10 February 1940, and completed on 28 August 1940. Its specifications were the same as for HMAS *Parramatta*. HMAS *Warrego* was active in the South-West Pacific off northern Australia and around the Philippines as an escort vessel and in survey operations. After the war the vessel was employed in marine surveys, being paid off on 15 August 1963 and finally broken up in 1965–66.

**'AS FITTED' AND WORKING DRAWINGS OF ICE MAKING AND REFRIGERATING  
MACHINERY FOR HMAS PARRAMATTA AND WARREGO, 1933–39 M3279**

**Quantity: 0.18 metres**

**WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA, SWAN,  
PARRAMATTA AND WARREGO, 1933–40 M2839**

**Quantity: 0.35 metres**

See the series description for HMAS *Parramatta* (II) for further information.

**REGISTER TO WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS PARRAMATTA  
AND WARREGO, 1939–40 M3232**

**Quantity: 0.09 metres**

**INDEX TO WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS PARRAMATTA AND  
WARREGO, 1939–40 M3233**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF GRIMSBY CLASS SLOOP HMAS WARREGO, 1940  
M2899****Quantity: 0.18 metres**

This series of drawings for the hull of HMAS *Warrego*, like those for HMAS *Parramatta* held in M2908, includes, in addition to general arrangements, drawings depicting the profile of the hull, forecastle, upper deck, lower deck and hold, and sections.

**General arrangement – sheet 1, 1940      M2899, A****Forward 4" H A magazine, 1940      M2899, 15****Tug *Wattle***

The 75-foot steam tug *Wattle*, formerly named Codeco, was constructed at Cockatoo Island Dockyard as ship number 111. Launched on 27 June 1933, it was completed on 15 February 1934 and taken over by the Royal Australian Navy for Garden Island Dockyard. The vessel is now used for tourist trips on Port Phillip Bay, Melbourne.

**WORKING DRAWINGS OF STEAM TUG WATTLE, 1932–40****C3401****Quantity: 0.18 metres**

These drawings contain information on the vessel's general arrangement, layout of machinery, etc, and include docking plan; keel and stem; framing plan; deck plating; shell expansion; boiler casing; engine seating; pillar arrangement; seating for auxiliaries and main injection valve; rudder and sternpost; and ventilation.

**General arrangement, 1932      C3401, 1****Navigation lights, rigging, etc on mast and funnel, 1933      C3401, 27****HMAS *Wollongong***

Allocated ship number 152, the minesweeper HMAS *Wollongong* was laid down on 29 January 1941, launched on 5 July 1941, and completed on 22 October 1941. Originally built for the British Admiralty, it was later sold to the Netherlands after World War II and then transferred to the Indonesian Navy in April 1950.

**WORKING MECHANICAL DRAWINGS OF MINESWEEPERS HMAS BATHURST, GOULBURN,  
BENDIGO, WOLLONGONG, CESSNOCK, GLENELG AND HMIS MADRAS AND BENGAL,  
1939–41      M2842****Quantity: 0.18 metres**

See the series description for HMAS *Bathurst* for further information.

**WORKING DRAWINGS OF MINESWEEPERS HMAS *BATHURST*, *GOULBURN*, *BENDIGO*,  
*WOLLONGONG*, *CESSNOCK*, *GLENELG* AND HMIS *MADRAS* AND *BENGAL*, 1939–42**  
**M3148**

**Quantity: 0.36 metres**

See the series description for HMAS *Bathurst* for further information.

**REGISTER AND INDEX TO WORKING DRAWINGS OF MINESWEEPERS HMAS  
*WOLLONGONG*, *CESSNOCK*, *MADRAS*, *BENGAL* AND *GLENELG*, 1939–42**  
**M3235**

**Quantity: 0.02 metres**

**‘AS FITTED’ DRAWINGS OF MINESWEEPER HMAS *WOLLONGONG*, 1941**  
**M2855**

**Quantity: 0.18 metres**

Items within this series are very similar to those in M2802.

**General arrangement – sheet 1, 1941      M2855, A**

**Echo sounding installation, 1941      M2855, S23**

## Tug *Wonga*

The steam tug *Wonga* was allocated ship number 191 and was constructed at Cockatoo Island Dockyard for the Adelaide Steamship Company. Laid down on 25 August 1947, it was launched on 3 September 1948, and completed on 10 June 1949.

**MECHANICAL WORKING DRAWINGS OF STEAM TUGS *WONGA* AND *YELTA*, 1947–48**  
**M3096**

**Quantity: 0.18 metres**

This series consists of five extant mechanical working drawings for the steam tugs *Wonga* and *Yelta*. The remainder of the series relating to *Yelta* has been sent to the South Australian Maritime Museum, its current owner.

**'AS FITTED' AND WORKING DRAWINGS OF STEAM TUGS WONGA AND YELTA, 1947–49  
M2969****Quantity: 0.18 metres**

This series consists of 21 'as fitted' and working drawings for steam tugs *Wonga* and *Yelta*. The major portion of the series has been transferred to the South Australian Maritime Museum.

**General arrangement ('as fitted') – Wonga, 1949      M2969, 1A****Name plate, 1949      M2969, 93****HMAS *Yarra* (II)**

The modified Grimsby class escort sloop HMAS *Yarra* (II) was constructed as ship number 114. It was laid down on 24 May 1934, launched on 28 March 1935, and completed on 12 December 1935. Its overall length was 266 feet and 3 inches, and full load displacement was 1339 tons. HMAS *Yarra* was sunk on 4 March 1942 south of Java.

**REGISTER TO WORKING AND GUIDANCE DRAWINGS OF GRIMSBY CLASS SLOOPS  
HMAS YARRA AND SWAN, 1933–36      M2949****Quantity: 0.02 metres****INDEX TO APPROVED WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA  
AND SWAN, 1933–39      M2958****Quantity: 0.02 metres****INDEX TO WORKING AND GUIDANCE DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS  
YARRA AND SWAN, 1933–39      M2957****Quantity: 0.02 metres****WORKING DRAWINGS OF GRIMSBY CLASS SLOOPS HMAS YARRA, SWAN, PARRAMATTA  
AND WARREGO, 1933–40      M2839****Quantity: 0.35 metres**

See the series description for HMAS *Parramatta* (II) for further information.



**'AS FITTED' DRAWINGS OF GRIMSBY CLASS SLOOP HMAS YARRA, 1935–36  
M2915**

**Quantity: 0.02 metres**

Drawings in this series record the condition of HMAS *Yarra* on completion, and contain information concerning ship's general arrangement, fresh and salt water service, ventilation, magazine, shell expansion and rudder.

**Profile, 1936      M2915, 1**

**Forward magazine, 1936      M2915, 17**

**'AS FITTED' DRAWINGS OF MINESWEEPING WINCH FOR GRIMSBY CLASS SLOOPS HMAS  
YARRA AND SWAN, 1935–36      M2911**

**Quantity: 0.27 metres**

**'AS FITTED' DRAWINGS OF STEERING GEAR FOR GRIMSBY CLASS SLOOPS HMAS  
YARRA AND SWAN, 1935–36      M2909**

**Quantity: 0.09 metres**

**'AS FITTED' DRAWINGS OF WINDLASS, REFRIGERATING AND ICE-MAKING MACHINERY  
FOR GRIMSBY CLASS SLOOP HMAS YARRA, 1936      M2891**

**Quantity: 0.18 metres**

**HMAS *Yarra* (III) – main machinery**

Main machinery was manufactured for HMAS *Parramatta*, *Stuart*, *Yarra* and *Derwent*, the work being allocated ship/job number 202.

**INDEX TO ENGINE AND TURBINE DRAWINGS OF TYPE 12 FRIGATES HMAS *STUART*,  
*PARRAMATTA*, *YARRA* AND *DERWENT*, 1951–63      M2960**

**Quantity: 0.18 metres**

**ORIGINAL TOOLING (TURBINE) DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*,  
*STUART*, *YARRA* AND *DERWENT* AND FOR DESTROYER ESCORT HMAS *TORRENS*, 1952–  
71      M2692**

**Quantity: 0.90 metres**

See the series description for HMAS *Parramatta* (III) for further information.

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF BOILERS FOR  
TYPE 12 FRIGATES HMAS *PARRAMATTA*, *STUART*, *YARRA* AND *DERWENT*, 1956–62  
M3261**

**Quantity: 0.09 metres**

**'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES HMAS  
*PARRAMATTA* AND *STUART*, AND OF BOILERS FOR HMAS *PARRAMATTA*, *STUART*,  
*YARRA* AND *DERWENT*, 1956–67 M2780**

**Quantity: 5.00 metres**

**REGISTER TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12  
FRIGATES HMAS *STUART* AND *PARRAMATTA*, AND FOR BOILERS FOR HMAS *STUART*,  
*PARRAMATTA*, *YARRA* AND *DERWENT*, 1956–67 M2961**

**Quantity: 0.09 metres**

**INDEX TO 'AS FITTED' AND WORKING MECHANICAL DRAWINGS OF TYPE 12 FRIGATES  
HMAS *PARRAMATTA* AND *STUART*, AND OF BOILERS FOR HMAS *PARRAMATTA*,  
*STUART*, *YARRA* AND *DERWENT*, 1956–67 M3208**

**Quantity: 0.09 metres**

## **HMAS *Yarra* (III) – refit**

The half-life refit of the Type 12 anti-submarine frigate HMAS *Yarra* was undertaken at Cockatoo Island Dockyard in 1977. HMAS *Yarra* had been built at Williamstown Naval Dockyard in Victoria. HMAS *Yarra* operated for ten years following this refit prior to being scrapped.

**'AS FITTED' ELECTRICAL DRAWINGS OF THE REFIT OF HMAS *YARRA*, 1961–64  
M2792**

**Quantity: 1.08 metres**

The drawings in this series show the electrical details of the HMAS *Yarra* at completion of the refit. They include main cable routes, electrical fittings, wiring arrangements, radar and sonar fittings, switchboard panels, etc.

**SAMPLE PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR  
THE HALF-LIFE REFIT OF TYPE 12 FRIGATE HMAS YARRA, 1976–77****M3108****Quantity: 0.36 metres**

Every item of work undertaken at Cockatoo Island Dockyard was listed in survey reports, shop orders and amendments. This series is an example of the company's capacities in regard to a steam driven naval vessel and the associated repair and maintenance work required.

**PHOTOGRAPHS OF THE HALF-LIFE REFIT OF HMAS YARRA, 1977****M3268****Quantity: 0.18 metres****REGISTER OF SURVEYED ITEMS FOR THE HALF LIFE REFIT OF HMAS YARRA, 1977**  
**M3254****Quantity: 0.09 metres****Tug *Yelta***

As with the steam tug *Wonga*, the *Yelta*, ship number 192, was constructed at Cockatoo Island Dockyard for the Adelaide Steamship Company. It was laid down on 25 August 1947, launched on 18 June 1948, and completed on 10 February 1949. The *Yelta* has since been retired to the South Australian Maritime Museum, and apart from a few records selected for retention by the National Archives, the remainder has been transferred to the museum.

For series descriptions, see the information on tug *Wonga*.

**Other individual ships**

Series in this section relate to individual vessels which were not built at the dockyard, or allocated a ship number by the dockyard, but whose records were included in the collection. Some of the vessels were refitted or repaired at the dockyard, and records of others were probably held for reference purposes. In most cases only one or a small number of series is held. The series are listed in chronological order.

**'AS FITTED' AND WORKING DRAWINGS OF OIL SUPPLY SHIP *KURUMBA*, 1919–29**  
**C3407****Quantity: 0.54 metres****General arrangement, 1920      C3407, 1****Salt and fresh water services, 1929      C3407, 63**

**LLOYD'S REGISTER CERTIFICATES AND RELATED CORRESPONDENCE FOR  
SS EUWARRA AND LIGHTHOUSE STEAMER CAPE LEEUWIN, 1922–25****C3821****Quantity: 0.45 metres**

This series consists of a folder containing a collection of certificates from Lloyd's Register of Shipping, and related correspondence, for SS *Euwarra* and lighthouse steamer *Cape Leeuwin*, as well as a folder of several certificates for the *Cape Leeuwin*.

**ESTIMATE TENDER BACKGROUND PAPERS FOR 10 000 TON CRUISER, 1923–24  
C3389****Quantity: 0.09 metres**

This series consists of tables, calculation papers, reports, prints and drawings used for background information to prepare the tender for a 10,000 ton cruiser. Records relating to HMAS *Adelaide* and *Brisbane*, and to HMS *Effingham* and *Glorious* are included. Also included is information concerning detailed estimates for the tender.

Because of the cost of building such a vessel in Australia, it was decided not to proceed with the project. Two cruisers were later ordered from Britain, and became HMAS *Australia* and *Canberra*.

**Wages, American and Australian, price of cruiser, 1924      C3389, 13****Sketch and minutes of conference held in Board Room, Cockatoo Island  
relating to the 10,000 ton light cruiser, 1923      C3389, NN****REPORTS ON THE BUILDING OF 10,000 TON CRUISER IN BRITAIN, 1923–25  
C3388****Quantity: 0.18 metres**

This series consists of reports mainly concerned with various aspects relating to the proposed construction of a 10,000 ton cruiser, and includes some newspaper cuttings.

**Allied concerns, 1924      C3388, A1****The value of protection to engineering, 1924      C3388, M1****ESTIMATE AND TENDER DOCUMENTS FOR 10,000 TON CRUISER, 1924–25  
M3390****Quantity: 0.63 metres****Tender for 10,000 ton cruiser for His Majesty's Australian Navy with  
attachments, 1925      C3390, 1/0****Approximate complement and sundry details, 1925      C3390, 6/33**

**WORKING DRAWINGS OF HMAS CANBERRA, 1929–49****M3304****Quantity: 0.18 metres**

This series consists of the working drawings of HMAS *Canberra*, some of which are the same drawings as those used to modernise HMAS *Australia*. They depict the general arrangement and layout of the machinery and fittings of the ship. A modernisation had been planned but *Canberra* was sunk at the Battle of Savo Island in August 1942.

**Proposed partial modernisation, 1941      C3304, 1****Proposed items for partial modernisation, 1941      C3304, 361****‘AS FITTED’ DRAWINGS OF HMS MASHONA, 1941****M2783****Quantity: 0.18 metres**

This series of drawings was provided to Cockatoo Docks and Engineering Co. Ltd as guidance or working drawings for the construction of Tribal Class destroyers.

**General arrangement (includes ‘as fitted’ drawing of HMS *Afridi*) forecastle deck, bridges, etc, 1941      M2783, 1****Torpedo head room and torpedo store room, 1941      M2783, 20****‘AS FITTED’ AND WORKING DRAWINGS OF MV WESTRALIA, 1941–47****M3117****Quantity: 2.88 metres****‘AS FITTED’ DRAWINGS OF HMAS HOBART, 1943–45****M2885****Quantity: 0.54 metres****Pumping, flooding and draining – profile and sections, 1944      M2885, 1****Sections (sheet 7) – general arrangement, 1945      M2885, 7****BOOKLET OF PHOTOGRAPHS RELATING TO SHIPMENT OF BOILERS FOR HMS MINERVA, 1964****M3207****Quantity: 0.09 metres**

This series consists of a booklet containing thirteen black and white photographs. The booklet was produced by Vickers Armstrong Limited, Barrow-in-Furness, in October 1964. There is an ‘Index’/list of contents at the front.

**FOLDERS OF RECORDS RELATING TO MOTOR LAUNCH *BILOELA*, 1964–71  
M3305**

**Quantity: 0.09 metres**

**Engine maintenance log, 1965–66      M3305, 1**

***Biloela*, pamphlets etc, 1963–64      M3305, 8**

**PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR THE  
REFIT OF HMAS *ADVANCE*, 1971–72      M3291**

**Quantity: 0.18 metres**

Included within this series are a general file, charts setting out the master refit program, stores delivery charts, specifications, computer printouts of work, lists and schedules, and a folder of shop orders.

**PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR THE  
REFIT OF HMAS *BANDOLIER*, 1973–74      M3290**

**Quantity: 0.18 metres**

This series has similar information as in M3291.

**WORKING DRAWINGS OF A 40 FOOT STEEL LAUNCH, 1974–75      M3182**

**Quantity: 0.90 metres**

The three drawings in this series are of the general arrangement, lines plan and structural sections of a forty foot steel launch. It is not clear whether the vessel was built, or whether these were preliminary drawings for the steel workboat *Bustler* which was built during 1978 and 1979.

**SAMPLE PACK OF DOCUMENTATION PRODUCED BY THE PLANNING DEPARTMENT FOR  
THE INTERMEDIATE DOCKING OF HMAS *DERWENT*, 1978      M3165**

**Quantity: 0.09 metres**

This pack consists of a manilla folder containing survey report forms and the Company's work order for the Intermediate Docking of HMAS *Derwent* at Cockatoo Island Dockyard between 6 November and 20 December 1978 (job number 2526). The pack was considered to represent a typical list of work items undertaken on a frigate.

**FOLDER OF CALCULATIONS RELATING TO HARBOUR CRUISE VESSEL *JOHN CADMAN II*,  
1985–86 M3201**

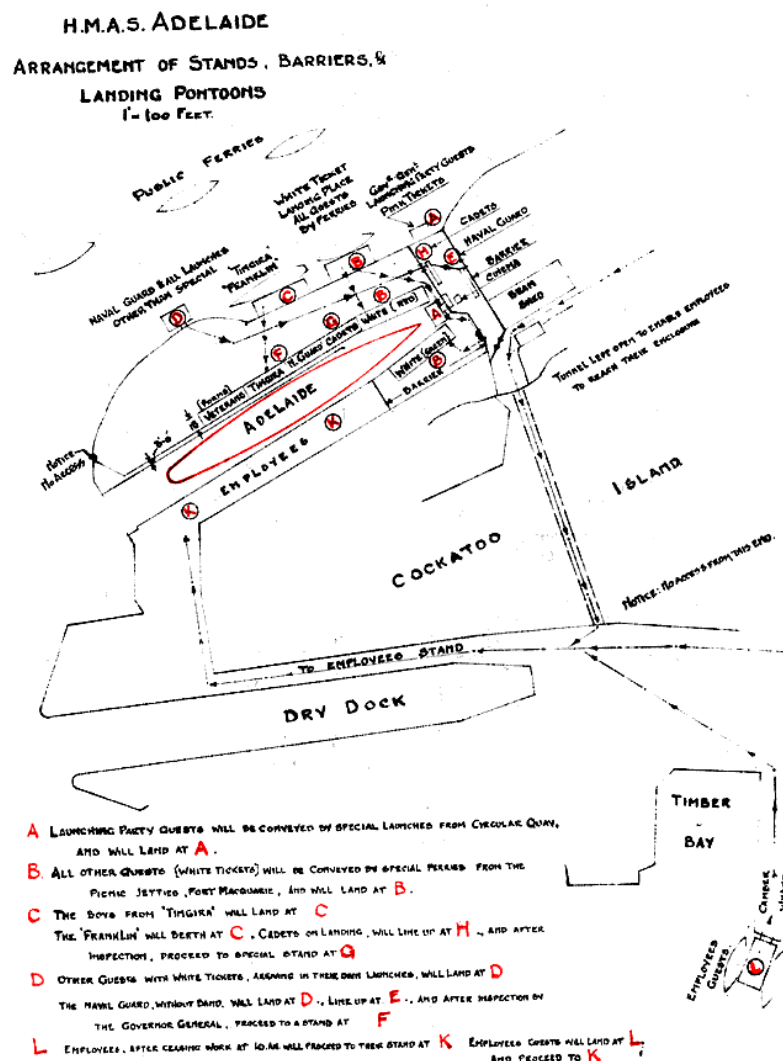
**Quantity: 0.09 metres**

This series consists of a file from the Design Office at Cockatoo Island Dockyard containing calculations and background information relating to work proposed for Captain Cook Cruises on a 39 metre harbour cruise vessel *John Cadman II*. Also included is an envelope containing Lloyds approved drawings.

**PACK OF INFORMATION RELATING TO THE RESTORATION OF THE JAPANESE MIDGET  
SUBMARINE (JOB NUMBER 6785), 1985-87 M3139**

**Quantity: 0.45 metres**

The restoration of a Japanese midget submarine from World War II was undertaken on behalf of the Australian War Memorial, where the submarine was on display, during 1985 and 1986. Most of the work was done by apprentices. Contained in this series is correspondence, work reports and orders, and drawings.



Launching arrangements for HMAS *Adelaide*, 1918  
NAA: C3644, 5

## General ships

Series in this section relate to shipbuilding and maintenance in general rather than to individual vessels. They include dockyard craft, naval ships, cargo and passenger ships and many other vessels.

### **'AS FITTED' AND WORKING DRAWINGS OF SMALL VESSELS, 1904–43 C3296**

**Quantity: 0.55 metres**

**Customs launch sketch showing arrangement details of shaft bracket and propeller and rudder guard, 1910 C3296, 14B**

***Sans Pareil*, general arrangement, 1915 C3296, 17/1**

**Quarantine launch for Port Darwin, 1918 C3296, 30**

### **ESTABLISHMENT DRAWINGS, 1906–79 C3456**

**Quantity: 2.58 metres**

Establishment drawings in this series are of buildings, docks, slips, wharves, machinery and related facilities at Cockatoo Island Dockyard. Other drawings relate to ships docked or repaired at the dockyard.

**TSS *Awatea* docking plan, 1937 C3456, 367**

***Dominion Monarch* midship section, 1938 C3456, 383**

***Oranje* longitudinal section, 1941 C3456, 389**

### **WORKING DRAWINGS OF SUNDRY VESSELS, 1907–45 M3380**

**Quantity: 0.27 metres**

This series consists of seven working drawings of sundry vessels, containing information on the general arrangement of various vessels.

**Tug and lights for Vacuum Oil Company, 1925 C3380, 278**

**Auxiliary ketch for New Guinea Trade Agency, 1930 C3380, 361**

### **ELECTRICAL SHIPS' DRAWINGS, 1911–17 C3606**

**Quantity: 0.09 metres**

The drawings in this series are those that are not part of any identified series transferred by Cockatoo Dockyard Pty Limited to the National Archives. The drawings are mostly concerned with ships built at Cockatoo Island Dockyard: HMAS *Warrego*, the torpedo boat destroyer HMAS *Huon*, and HMAS *Brisbane*.



**STANDARD DRAWINGS OF EQUIPMENT, PARTS AND FITTINGS FOR SHIPS, 1911–50  
C3463****Quantity: 0.09 metres**

Although the majority of these drawings were produced at Cockatoo Island Dockyard, some were produced by the Admiralty or Garden Island. They contain information on ships' equipment, parts and fittings.

**Steering wheels, 1918      C3463, 130****Steel furniture, 1946      C3463, 233****'AS FITTED' AND WORKING DRAWINGS OF SUNDRY VESSELS, 1912–45  
C3307****Quantity: 1.17 metres****Cattle transporting barge, detail cattle fitting and deck casting, 1912  
C3307, 1****SS *Mawatta*, midship section, 1926      C3307, 270****INDEX BOOK TO WORKING DRAWINGS OF SUNDRY VESSELS, 1912–45  
C3378****Quantity: 0.03 metres****MECHANICAL DRAWINGS OF SHIPS, 1912–65      C3632****Quantity: 0.18 metres**

Ships included in the series are HMAS *Brisbane* and *Adelaide*, Tribal class destroyers HMAS *Warramunga* and *Bataan*, and the refrigerated cargo steamers TSS *Fordsdale* and *Ferndale*.

**HMAS *Brisbane*, oil drain tanks in after engine rooms, 1914      C3632, NN****Ships 47 and 48, arrangement of auxiliary machinery, 1920–23      C3632, NN****STANDARD MECHANICAL DRAWINGS FOR SHIPS BUILT AT COCKATOO ISLAND  
DOCKYARD, 1912–88      C3442****Quantity: 1.44 metres**

This series of standard mechanical drawings were used to provide design and fitting information for standard parts on various ships built at the dockyard during its operation. Most drawings were produced at Cockatoo Island Dockyard. Some, however, were from the Admiralty, the Australian Shipbuilding Board, or the Navy Office.

**REGISTER AND INDEX TO STANDARD MECHANICAL DRAWINGS FOR SHIPS, 1912–88  
C3449****Quantity: 0.02 metres****WORKING AND STANDARD DRAWINGS OF MAIN PROPULSION EQUIPMENT OF VARIOUS  
SHIPS, 1913–17 C3373****Quantity: 0.36 metres**

This series consists of a set of working and standard drawings of ships' main propulsion equipment, specifically boilers, turbines and thrust blocks, etc. Some were produced at Cockatoo Island Dockyard and others provided by companies.

**LIST OF DRAWINGS, MAPS AND TABLES, 1913–33 C3648****Quantity: 0.09 metres****DRAWINGS, MAPS AND TABLES COLLECTED BY COCKATOO ISLAND DOCKYARD, 1913–  
42 C3368****Quantity: 8.10 metres**

This large series consists of a collection of material accumulated at the dockyard in support of the tendering for, construction of and the trialling of vessels. Also included in the series are drawings relating to proposed and constructed establishment buildings and machinery, and several maps.

A range of formats is represented: original drawings, flimsy paper tracings, blueprints, white paper prints, linen tracings, various types of photostats, and booklets.

Some pre-1913 items have been included, presumably for reference, such as the drawings and tables for SS *Captain Cook* (1893) and maps of Sydney Harbour and Port Phillip. Tables of calculations calibrations and some correspondence, as well as drawings are included.

**HMAS *Brisbane* – details of mast spaces etc, 1913 C3368, 1****SS *Captain Cook* – midship section, 1893 C3368, 222****Launching diagrams – TBD *Warrego*, 1911 C3368, 447**

**FOLDERS CONTAINING PARTICULARS OF SHIPS AND CONSTRUCTION, 1913–64  
C3668****Quantity: 0.18 metres**

This series consists of nineteen folders containing particulars of ships and submarines, and other information relating to construction at the dockyard. Some folders relate to vessels constructed at the dockyard, while others, which do not, may have been kept for reference purposes. In addition, there are two folders relating to the lease of the dockyard, and several reports of overseas visits.

**Submarine and seaplane carrier particulars, 1913–25      C3668, 1****10 000 ton cruisers Australia and Shropshire, 1948      C3668, 17****MAKERS' DRAWINGS, 1914–39      C3630****Quantity: 0.18 metres**

The items in this series are the makers' drawings and handbooks used at Cockatoo Island Dockyard for the installation and maintenance of equipment on ships built and on the dockyard itself. Ships identified are the HMAS *Derwent* and the *Cape Otway*. Some of the items are for no identifiable ship, and these include handbooks for hydraulic machinery, windlass drawings, oil fuel apparatus for galleys, and capstan drawings.

**WORKING DRAWINGS OF SHIPS, 1914–41      C3581****Quantity: 2.52 metres**

The working drawings in this series were produced or used by the Ship Drawing Office at Cockatoo Island Dockyard in construction or repair work, but they were not part of any identifiable series. The items cover the general arrangement of ships, body plans, and capacity plans. Included are drawings of several ships from the United States Navy, which were repaired at the dockyard during World War II.

**Oil launch, 1911      C3581, NN****USS *Portland*, repairs as carried out at Cockatoo Dockyard, Sydney, 1943  
C3581, NN****Aberdeen and Commonwealth line, passenger accommodation, twin screw oil  
burning turbines, *Esperance Bay*, *Jervis Bay*, *Largs Bay*, *Moreton Bay*,  
undated      C3581, NN**

**WORKING DRAWINGS OF AUSTRALIAN LIGHTS/UNATTENDED LIGHT SHIPS, 1915–18  
C3309****Quantity: 0.39 metres**

This series of drawings had been provided by the Australian Navy and amended by Commonwealth Naval Dockyard, Cockatoo Island as necessary. Also included is a photocopy of a photograph of a lightship and a table of measurements.

**Breaksea Spit and Proudfoot Shoal, 1915      C3309, 1****General arrangement, 1918      C3309, 61****VOLUME OF MOULD LOFT OFFSETS AND SKETCHES FOR CASTINGS FOR SHAFT  
BRACKETS, STERN FRAMES, STEMS AND RUDDERS, 1915–25      C3465****Quantity: 0.09 metres****'AS FITTED' DRAWINGS, 1915–33      C3598****Quantity: 0.18 metres**

The 'as fitted' drawings in this series were either collected by Commonwealth Naval Dockyard, Cockatoo Island for reference in vessel building or were the actual record of ships built at the dockyard. Most of the vessels depicted are launches.

**HMA launch *Gresswell*, constructional sections, 1915      C3598, 1****Motor launch *Sans Pareil*, general arrangement, undated      C3598, 15****General arrangement, *Pasteur*, undated      C3598, 23****DRAWINGS OF STEAM TURBINES, 1917–35      C3384****Quantity: 0.18 metres**

This series consists of drawings relating to steam turbine engines. It has not been possible to identify their use – they may have been standard drawings used to manufacture equipment for sale, or they may have been used for the construction or maintenance of a particular vessel. Also included is a specification, Notes on the design of high speed high pressure bearings (STP25), and some correspondence.

**WORKING DRAWINGS OF SUNDRY VESSELS, 1925      C3381****Quantity: 0.09 metres****No. 4 cattle transporting barge, 1912      C3381, 4****General arrangement of steam ferry for ferry service in Sydney, 1925  
C3381, 17**

**ELECTRICAL MAKERS' DRAWINGS, 1925–27****C3607****Quantity: 0.09 metres**

The drawings in this series deal with particular systems and types of equipment supplied by the manufacturer to the dockyard.

**INDEX TO DRAWINGS IN THE SHIP DRAWING OFFICE SAFE, 1933–38****M3090****Quantity: 0.45 metres****VOLUME LISTING PARTICULARS OF SHIPS CONSTRUCTED, 1933–49****M3099****Quantity: 0.09 metres****VOLUME RECORDING CONSTRUCTION, 1933–86****M3084****Quantity: 0.45 metres****CALCULATING/DESIGN OFFICE DRAWINGS, 1933–91****M2943****Quantity: 17.10 metres**

Drawings in this large series relate to ships built or serviced by the dockyard, jobs tendered for, and establishment (buildings and machinery on the island constructed or proposed). Included are tables of calculations and some correspondence, as well as drawings.

**Ship No. 159, *River Clarence* – launching, distance, velocity and acceleration curves, 1943**      **M2943, C753**

**Cockatoo Island – *soundings*, 1914**      **M2943, C33B**

**Sydney Ferries, water bus – general arrangement, 1936**      **M2943, C58**

**Escort Carrier - HMS *Battler* – showing plan view and sections in Sutherland Dock, 1944**      **M2943, 952**

**'AS FITTED' AND WORKING DRAWINGS OF MISCELLANEOUS SHIPS, 1934–70  
M2983****Quantity: 1.98 metres**

Included within this series are drawings of a group of ships which were damaged in World War II and refitted or repaired at Cockatoo Island Dockyard. Among these were American ships *USS New Orleans*, *Chicago*, *W B Preston*, *Tulsa*, *Helena*, *Mugford* and *William Ellery Channing*; twin screw ships *Zealandia*, *Ormonde*, *Oronsay* and *Otranto*; and a few HMA ships including *HMAS Sydney*, *Perth*, *Stuart* and *Una*.

**USS *Chicago*, framing sections, 1928      M2983, 8****TSS *Ormonde* and *Oronsay*, 6" ammunitions and shell stowage, 1939  
M2983, 35****USS *William Ellery Channing*, sheet 1 general outline, 1943      M2983, 118****TSS *Zealandia*, paravane arrangement, 1940      M2983, 163****INDEX TO 'AS FITTED' AND WORKING DRAWINGS OF MISCELLANEOUS SHIPS, 1934–70  
M2984****Quantity: 0.02 metres****WORKING DRAWINGS OF SMALL VESSELS, 1936–46      M2716****Quantity: 0.18 metres**

This series of 17 drawings relates to Manly ferries and contains detailed information of arrangements of a ship's engine room, deck, seats, wheelhouse, bridge, etc. They include the ships *Bellubera*, *Balgowlah*, *Baragoola*, *Barrenjoey*, *Dee Why*, *Curl Curl*.

**MV *Bellubera*, forecastle and a promenade, 1937      M2716, 1****SS *Dee Why* and *Curl Curl*, 1946      M2716, 17**

**INDEXES TO SHIPS' DRAWINGS, 1939–59****M2741****Quantity: 0.18 metres**

This series contains four indexes to the drawings of various ships either built or refitted at Cockatoo Island Dockyard. The indexes contain information as to the types of drawing required and drawn up for the projects as well as listings of materials used in their construction.

**HMAS *Koala* and *Kangaroo* (ships 135 and 141), boom defence vessels, 1939–40**      **M2741, 1**

**HMAS *Wollondilly*, *Namoi*, *Wimmera* and *Campaspe* (ships 167, 168, 169, 170), 1943–44**      **M2741, 2**

**HMAS *Wonga* and *Yelta* (ships 191, 192) steam tugs, 1949**      **M2741, 3**

**HMAS *Queenborough* and *Quiberon* (ships 195, 196), 1951–54**      **M2741, 4**

**INDEX TO STANDARD NAVY OFFICE DRAWINGS, 1940–90****M3250****Quantity: 0.09 metres****INDEX TO STANDARD NAVY OFFICE DRAWINGS, 1940–90****M3252****Quantity: 0.09 metres****BOOK CONTAINING A LIST OF STANDARD DRAWINGS OF EQUIPMENT, PARTS AND FITTINGS FOR SHIPS, 1941****M3251****Quantity: 0.09 metres****'AS FITTED' AND WORKING MACHINERY INFORMATION BOOKS, 1942–79**  
**M2967****Quantity: 0.72 metres**

This series consists of volumes containing drawings detailing machinery information for ships constructed at Cockatoo Island Dockyard. Each volume is dedicated to one ship only. The drawings detail piping arrangements including, for example, piping for the main and auxiliary steam; oil fuel; fresh water; telemotor pipes, etc. They show the layout of the pipes and attachments, giving details of every pipe, connection and attachment.

**HMAS *Arunta*, 1953–59**      **M2967, 138**

**HMAS *Queenborough*, 1953–57**      **M2967, 195**

**STANDARD HULL DRAWINGS, 1956–69****M3076****Quantity: 2.16 metres**

This series of standard hull drawings was used in the construction of ships at Cockatoo Island Dockyard. As standard drawings, they were used to provide design and fitting information for standard parts on various ships built at the dockyard. Most drawings were produced at Cockatoo Island Dockyard itself, but a few were from Navy Office.



## 4 Aircrafts and Fast Boats: Wing Commander Wackett's Unit

Series in this section relate to aircraft and aircraft engines designed and constructed at Cockatoo Island within the unit headed by Wing Commander (later Sir) Lawrence Wackett. The unit moved to Cockatoo Island in 1930 after the RAAF Experimental Station at Randwick was closed. Work on the design of aircraft and small boats, some of which were fitted with aircraft engines, was also undertaken by the unit.

### **DRAWINGS AND BLUEPRINTS COLLECTED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, OF AN AERO ENGINE TEST BED, 1918–19 C3469**

**Quantity: 1.80 metres**

Drawings in this series were among a collection remaining on Cockatoo Island from Wing Commander Wackett's unit.

**General arrangement of 1200 HP test bed, test house extension E09, 1918 C3469, 1818**

**Aero engine torque reaction test bench, undated C3469, SKR110**

**Aero engine portable test-stand [contractor's drawing], 1918 C3469, B-1320**

### **DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, OF THE SEAGULL AIRCRAFT CONVERSION, 1921–33 C3419**

**Quantity: 3.00 metres**

The drawings in this series are the original drawings from the unit headed by Wing Commander Wackett for the conversion of Widgeon type aircraft to Seagull type aircraft.

**Seagull conversion, 1931 C3419, 55**

**Nose ribs in lower centre section (with blueprint), 1931 C3419, 82**

**Arrangement and details of tail skid, 1931 C3419, A9-812**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF WIDGEON, WARRIGAL, JAGUAR AND LYNX  
AIRCRAFT, 1924–29 C3415**

**Quantity: 7.00 metres**

**Arrangement of hull, Widgeon BS, 1924 C3415, 39**

**Fittings in centre portion fuselage, Warrigal, Lynx, undated C3415, 334**

**Joints and fittings, front of fuselage, Warrigal, Jaguar, undated C3415, 608**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF COMPONENTS FOR JAGUAR AND  
WIDGEON MARK II AIRCRAFT, 1928 C3421**

**Quantity: 0.36 metres**

**Standard details machine controls, 1928 C3421, E36**

**Arrangement of tail skid trolley for Widgeon II, undated C3421, E57**

**BOX OF LANTERN SLIDES PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE)  
WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, 1928–33 C3560**

**Quantity: 0.18 metres**

This series consists of a wooden box containing 52 glass lantern slides relating to the activities of Wing Commander Wackett's unit. It appears they date from the period before the unit was located at Cockatoo Island, while the RAAF Experimental Station was at Randwick, although they were found in the collection at Cockatoo Island. The slides, which apparently relate to the construction of aircraft, may have been used for promotional purposes.

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF CODOCK JAVELIN AIRCRAFT, 1929–32  
C3485**

**Quantity: 0.36 metres**

**Sketch of fuselage details, undated C3485, 1**

**Codock revised joint drawing, undated C3485, 4**

**Aileron balance weights, undated C3485, 9**

**SKETCHES PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF WAGTAIL AIRCRAFT, 1929–32  
C3470**

**Quantity: 1.80 metres**

Drawings in this series are sketches relating to the Wagtail aircraft which was probably not built. The sketches were among a collection held on Cockatoo Island from Wing Commander Wackett's unit.

**Main plane section, undated      C3470, 1**

**Wing arrangement, undated      C3470, 6**

**Elevation, undated      C3470, 13**

**DESIGN SKETCHES PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE)  
WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, OF A MOTOR BOAT, 1929–33  
C3480**

**Quantity: 0.36 metres**

Sketches in this series, of an unidentified motor boat, are undated, but thought to date from the period when Wing Commander Wackett's unit was located on Cockatoo Island. It is not clear whether this vessel was ever built.

**Shaft for reverse gear, undated      C3480, 1**

**Seat drawings, undated      C3480, 9**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF THE AIRCRAFT WARBLER, 1929–33  
C3474**

**Quantity: 0.90 metres**

**Weights and moments diagram, undated      C3474, 1**

**Stress diagrams, undated      C3474, 3**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF CODOCK MONOPLANE, 1930–31  
C3467**

**Quantity: 1.80 metres**

**Details of wing spars, 1930      C3467, 3**

**Centre section spars, 1930      C3467, 10**

**Main strut end fittings, 1930      C3467, 19**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD), OF THE 4-ENGINED MONOPLANE *CORELLA*,  
1930–31 C3476**

**Quantity: 1.24 metres**

Drawings in this series relate to the 4-engined monoplane, *Corella*, which was apparently not built. Drawings include general arrangement drawings and details of aileron, spar, rib and wing sections.

**Arrangement of wing spars, 1931 C3476, 20**

**Forward rib sections, main plane, 1931 C3476, 29**

**Plan view – blueprint, undated C3476, NN**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF CODOCK JAVELIN AIRCRAFT, 1930–34  
C3420**

**Quantity: 1.62 metres**

**Codock monoplane, general arrangement (twin Napier Javelin engines), 1933  
C3420, 249**

**Centre ribs in cabin, 1933 C3420, 267**

**F2 [Codock] wing, full size, undated C3420, NN**

**DESIGN DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE)  
WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, OF FOKKER VII WING  
REPLACEMENT FOR THE *SOUTHERN CROSS*, 1931 C3431**

**Quantity: 0.72 metres**

**Rear spar loading for landing condition, 1931 C3431, 1**

**Wing shear forces due to twisting moments, 1931 C3431, 6**

**Drawing no. 3 – main spar webs, 1931 C3431, 25**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A TWIN-ENGINE MONOPLANE, 1931  
C3466**

**Quantity: 0.90 metres**

**General arrangement of aileron, 1931 C3466, 35**

**Rib section main plane, 1931 C3466, 41**

**Weight diagram, 1931 C3466, NN**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A 3 PLACE COUPE MONOPLANE, 1931  
C3477**

**Quantity: 1.20 metres**

**Covering plan, main plane, 1931      C3477, 2/7**

**Elevation (linen tracing), 1931      C3477, 2/15/401**

**Rib sections in main plane (full size), 1931      C3477, 73**

**MISCELLANEOUS PROPELLER DRAWINGS PRODUCED BY WING COMMANDER (LATER  
SIR LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, 1931  
C3468**

**Quantity: 1.80 metres**

**4-bladed airscrew for Airdesco engine, 1931      C3468, 13**

**Warrigal Lynx 2-bladed airscrew, undated      C3468, 442**

**MISCELLANEOUS DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR  
LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, 1931-32  
C3484**

**Quantity: 0.72 metres**

Drawings in this series relate to various projects worked on by Wing Commander Wackett's unit at Cockatoo Island.

**Wing lift drawing Widgeon, undated      C3484, 22-1**

**Plan view amphibian flying boat for Supermarine Australian Seagull, 1931  
C3484, 57**

**Watersprite, elevation, 1931      C3484, 113**

**Waterbird 3-place fleet reconnaissance biplane float amphibian, 1931  
C3484, 123**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF THE HYDROPLANE *CETTIEN*, 1932  
C3475**

**Quantity: 0.90 metres**

**Arrangement of transom, 1932      C3475, 173**

**Detail of propeller attachment to shaft, 1932      C3475, 179**

**Lines plan, 1932      C3475, NN**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A PROPOSED AIRCRAFT CONSTRUCTION  
SHED, 1932 C3471**

**Quantity: 0.90 metres**

**Roof truss details, 1932 C3471, 2**

**Sketch of crane rails support, 1932 C3471, 10**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF RACING HYDROPLANE *CENTURY TIRE II*,  
1932–33 C3478**

**Quantity: 1.20 metres**

**Construction plan, 1932 C3478, 137**

**Propeller, 1932 C3478, 157**

**Redesigned steering gear, right angle bell crank, 1933 C3478, 225**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A 30 FOOT RUNABOUT BOAT WITH A PUMA  
ENGINE, 1932–33 C3472**

**Quantity: 1.20 metres**

**Propeller, left hand, 1932 C3472, 204**

**Cover plate on keel, 1933 C3472, 437**

**MISCELLANEOUS DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR  
LAWRENCE) WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, OF AIRCRAFT AND  
BOATS, 1932–34 C3432**

**Quantity: 0.72 metres**

These drawings relate to aircraft and boats which are largely unidentified. An attempt has been made to identify them, and this information has been entered in square brackets.

**[Undercarriage design sketches, Codock – Javelin] (force drawing), undated  
C3432, 1**

**Rudder bar [possibly Javelin], undated C3432, 18**

**[3-seater low wing monoplane, end view (2 drawings)], undated C3432, 34**

**DRAWINGS PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A HIGH SPEED FERRY, 1933  
C3473**

**Quantity: 3.44 metres**

**General arrangement high speed ferry, 1933      C3473, 223**

**Rudders for ferry boat, 1933      C3473, 421**

**Propeller shaft arrangement, 1933      C3473, 431**

**SKETCHES PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE) WACKETT'S  
UNIT AT COCKATOO ISLAND DOCKYARD, OF A TWIN-SCREW PASSENGER VESSEL, 1933  
C3479**

**Quantity: 0.18 metres**

**Plan and elevation, 1933      C3479, 1**

**Accommodation plan, 1933      C3479, 3**

# 5 Equipment and Technical Records

Series are listed below in chronological order within the following categories:

- Equipment and machinery
- Trials and tests
- Other technical records.

## Equipment and machinery

Heavy engineering work was undertaken at Cockatoo Island Dockyard, particularly in the manufacture of equipment for ships, such as engines and fittings. Toolmaking was another area of dockyard expertise. Some records relating to equipment appear to have been collected for background information. In addition, some equipment was manufactured for non-maritime projects such as power stations.

### **TRACINGS OF ENGINE DRAWINGS FOR THE GRAVING DOCK AT COCKATOO ISLAND, 1885 C3698**

**Quantity: 0.18 metres**

These three tracings depict engines, foundations and sections of the engine house at the graving dock. The original drawings may have been part of C3579.

### **MACHINE DRAWINGS WITH 'M' (MACHINE) ANNOTATION, 1870–1961 C3317**

**Quantity: 1.98 metres**

This series consists of miscellaneous machine drawings produced at Cockatoo Island Dockyard.

**Forge furnace, 1901 C3317, MO147/20**

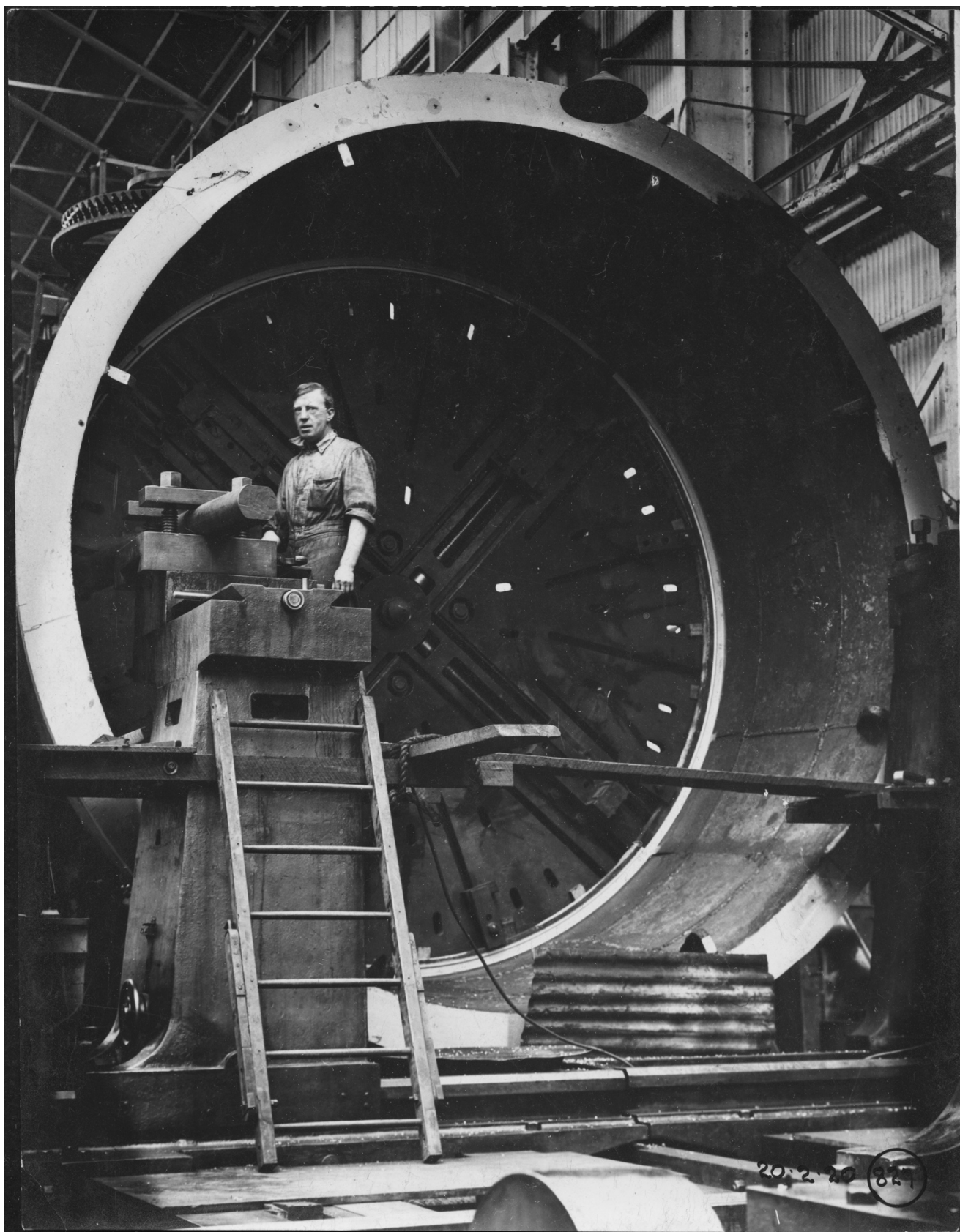
**Winding machine for bandages, 1952 C3317, MM/157**

### **BOOK OF BOILER TESTS AND EXAMINATIONS, 1893–1947 C3450**

**Quantity: 0.45 metres**

This series consists of one volume detailing tests of boilers associated with Cockatoo Island Dockyard, either situated in a building on the island or on a vessel constructed or repaired at the dockyard. An alphabetical index by boiler name precedes the test entries which are in chronological order and record date, boiler name, test pressure and working pressure.





A worker in the workshop at Cockatoo Island Dockyard, 1920.  
NAA: C4149, 40.1

**BOOKS OF DRAWINGS OF INTERNAL IRON-BOUND BLOCKS, 1910–17****C3659****Quantity: 0.18 metres**

This series consists of two books of coloured drawings of internal iron-bound blocks. Printed in London, they are both dated 1910 but stamped as received at the dockyard on 5 October 1917. The second book apparently contains amendments to the first.

**STANDARD DRAWINGS OF EQUIPMENT, PARTS AND FITTINGS FOR SHIPS, 1911–50****C3463****Quantity: 0.09 metres****FOLDER OF DRAWINGS OF FIREHEARTHES AND COOKING APPARATUS, 1912–39****C3486****Quantity: 0.90 metres**

This series consists of a very large folder containing drawings for the construction of firehearth and cooking apparatus for ships' and boats' firehearths, cabin and airing stoves, and funnels. The contents consist of an index, a tabulated statement of contents of boilers, and 46 drawings of patterns, mostly hand-coloured on linen. The drawings are divided into four sections according to type of apparatus.

**BOOK LISTING MACHINERY AND PLANT IN USE, 1913–33****C3490****Quantity: 0.25 metres**

This series consists of an accounting-type book listing machinery and plant in use at Cockatoo Island Dockyard. In addition to the lists, it includes a table of contents and an alphabetical index.

**REGISTER AND INDEX TO ENGINE AND TURBINE DRAWINGS, 1913–64****C3649****Quantity: 0.09 metres**

This series is a register to mechanical drawings for vessels constructed at Cockatoo Island Dockyard. The earliest entries relate to torpedo boat destroyers HMAS *Huon*, *Torrens* and *Swan*, and the latest are for the *Empress of Australia*. Alphabetical index pages are held at the front of the volume and a list of trial data box contents is at the back.

**BOOK OF TESTS AND EXAMINATIONS OF BUILDING BOILERS, 1913–67****C3452****Quantity: 0.45 metres**

**REGISTERS OF MACHINERY WEIGHTS OF SHIPS, 1913–71****C3361****Quantity: 1.98 metres**

These registers are listings and tallies of the weights of all machinery on board ships built at Cockatoo Island Dockyard, as measured on their completion. Within the registers there is written a description of each item, with its weight given in tons, hundredweights, quarters (of a hundredweight) and pounds. The total weight is added at the end of the page and carried forward where necessary.

The titles of the registers show the ship types, ship names and numbers and give cost numbers, ie the numbers allocated to particular manufacturing jobs. Some volumes also contain indexes/contents lists.

**BOOK OF SHIP BOILER TESTS, 1915–58****C3451****Quantity: 0.45 metres****ELECTRICAL ESTABLISHMENT DRAWINGS OF POWER STATION PUMPS, 1916–68  
C3553****Quantity: 0.18 metres**

See the series description in Chapter 2 for further information.

**FOLDERS RELATING TO KORT NOZZLES, 1935–87****M3151****Quantity: 0.72 metres**

This series consists of folders of information relating to Korts nozzles, designed in Germany. Cockatoo Docks & Engineering Co. Pty Ltd was licensed to sell these nozzles in Australia, and the folders in this series give details of several vessels fitted with the nozzles.

**WORKING DRAWINGS OF BAUER WACH TURBINE FOR AUSTRALIAN STANDARD  
STEAMSHIPS, 1936–42 M2743****Quantity: 0.36 metres**

Used throughout the world, the Bauer Wach turbines represented an innovation in turbines which improved efficiency in the steam cycle and provided greater propulsion power. These drawings cover all aspects of turbine construction and were used to build a number of turbines for steamers at the dockyard.

**FOLDER OF PHOTOGRAPHS OF MARINE SWITCHBOARDS, 1936–50****M3275****Quantity: 0.09 metres**

This folder contains ten black and white photographs of marine switchboards manufactured by Whipp and Bourne of Manchester. Most photographs are unlabelled; several relate to the *Empress of Britain* and one is marked on the reverse in pencil 'Queen Mary'.

**VICKERS STANDARD VALVE AND FITTING DRAWINGS, 1939****M2882****Quantity: 0.37 metres**

These drawings cover the manufacturing components for ships built at Cockatoo Island Dockyard or by subcontractors, and are of valves and fittings commonly used in shipbuilding.

**DRAWINGS OF GUNS FOR SHIPS, 1940****M3308****Quantity: 0.09 metres**

This series consists of four drawings of ships' guns. Three, from H & W Limited, relate to a 2-pounder Mounting Mark VIII gun, while the fourth, from Vickers Armstrong Limited, relates to a 40mm AA Twin Mounting Mk gun.

**WHITE PAPER COPIES AND BLUEPRINTS OF WORKING DRAWINGS FOR MISCELLANEOUS JOBS, 1940–64****M2712****Quantity: 2.34 metres**

Drawings in this series relate to miscellaneous jobs undertaken for various clients both within and outside the Commonwealth Government. Most jobs were for individual components or machinery for ships, although some were for non-maritime projects such as the Balmain Power Station, a boiler for New Occidental Gold Mines NL at Cobar, and an evaporating plant for Davis Gelatine.

**LEDGER OF PLANT AND EQUIPMENT, 1942–54****M3204****Quantity: 0.36 metres**

**'AS FITTED' AND WORKING MACHINERY INFORMATION BOOKS, 1942–79  
M2967****Quantity: 0.72 metres**

The drawings within these volumes detail piping arrangements including piping for the main and auxiliary steam; oil fuel; fresh water; telemotor pipes, etc. They show the layout of the pipes and attachments, giving details of every pipe, connection and attachment. Each volume is dedicated to one ship only.

**HMAS *Arunta*, 1953–59      M2967, 138****HMAS *Queenborough*, 1953–57      M2967, 195****MECHANICAL WORKING DRAWINGS OF THE LENTZ TYPE ENGINE USED IN AUSTRALIAN  
STANDARD 'D' CLASS FREIGHTERS, 1944–45      M2853****Quantity: 0.90 metres**

This series consists of an almost complete set of working mechanical drawings of the Lentz type engine used in Australian standard 'D' class freighters. These were fully enclosed marine steam reciprocating engines in common usage until the late 1940s. The drawings are Australian Shipbuilding Board standard drawings for this type of engine. The Lentz engines were built at Cockatoo Island Dockyard, although the ships were not.

**MASTERS OF WORKING DRAWINGS OF MISCELLANEOUS JOBS, 1944–86  
M2738****Quantity: 0.73 metres**

As with M2712, these drawings relate to miscellaneous jobs undertaken at Cockatoo Island Dockyard for clients both within and outside the Commonwealth Government. Most jobs were for individual components or machinery for ships, although some were for non-maritime projects such as the Vales Point Power Station or the starch buck machine for the Lifesaver Sweets Company.

**INDEX TO ENGLISH ELECTRIC COMPANY DRAWINGS, 1949–50****M3266****Quantity: 0.09 metres****ELECTRICAL HANDBOOKS TO EQUIPMENT AND MACHINERY OF ESCORT MAINTENANCE  
SHIP HMAS *STALWART*, 1949–77      M3070****Quantity: 0.36 metres****FOLDER OF JIG AND GAUGE LISTS, 1950–60****M3259****Quantity: 0.09 metres**

**REGISTER AND CROSS REFERENCE BOOK FOR MISCELLANEOUS TOOL AND GAUGE  
DRAWINGS, 1950–69 M3263****Quantity: 0.09 metres**

This series consists of two exercise books joined together. The first provides a cross-reference for tool and gauge drawing numbers to relevant 'MT' [Miscellaneous Tool] numbers. The second book provides a register to 'MT' drawings and Miscellaneous Operation sequence sheets ('M' drawings). The item is undated, but since there is mention of Daring class destroyers, it is thought to date from approximately 1950 to 1969.

**FOLDER CONTAINING PARTICULARS OF PARSONS REACTION TURBINE BLADING, 1950–  
69 M3264****Quantity: 0.09 metres****REGISTER TO ENGLISH TOOL DRAWINGS OF TYPE 12 FRIGATES HMAS *PARRAMATTA*  
AND *STUART* AND DESTROYER ESCORT HMAS *TORRENS*, 1952–54 M3265****Quantity: 0.09 metres****BLUEPRINT COPIES OF SUNDRY SKETCHES FOR MAIN MACHINERY HMAS *STUART* AND  
*PARRAMATTA*, 1959–61 M2747****Quantity: 0.18 metres****FOLDER OF LISTS OF SPARE GEAR AND EQUIPMENT FOR TYPE 12 FRIGATE HMAS  
*STUART*, 1957–63 M3244****Quantity: 0.02 metres****FOLDER OF HULL, ELECTRICAL AND MACHINERY COST LISTS FOR TYPE 12 FRIGATES  
HMAS *PARRAMATTA* AND *STUART*, 1961 M3311****Quantity: 0.09 metres****BOOKLET OF PHOTOGRAPHS OF MARINE TYPE SWITCHBOARDS, 1960–90  
M3258****Quantity: 0.09 metres**

This series consists of an undated booklet containing photographs of Crompton Parkinson marine type switchboards. The booklet was part of a collection of records in the Electrical Drawing Office at Cockatoo Island Dockyard.

**BOOKLET OF PHOTOGRAPHS RELATING TO SHIPMENT OF BOILERS FOR HMS *MINERVA*, 1964  
M3207****Quantity: 0.09 metres**

This series consists of a booklet containing 13 black and white photographs relating to the shipment of boilers for HMS *Minerva*. The booklet was produced by Vickers Armstrong Limited, Barrow-in-Furness, in October 1964. There is an 'Index' (list of contents) at the front.

**MEMOS FOR ORDERS OF EQUIPMENT, 1965–71****M2827****Quantity: 0.18 metres**

The books in this series contain handwritten carbon copies of memos from various offices at Cockatoo Island Dockyard to the company's Contracts Office, requesting the ordering of supplies and equipment. Only those books where asbestos is mentioned have been retained.

**EQUIPMENT SCHEDULES FOR AIRCRAFT/WATER LIGHTER *AWL 304*, 1967  
M2803****Quantity: 0.18 metres**

For more information see Aircraft/Water Lighter *AWL 304* in Chapter 3.

**FOLDER OF THE COMBINED LIST OF EQUIPMENT, PORTABLE AND SPARE GEAR, DRAWINGS AND INSTRUCTION BOOKS FOR AIRCRAFT/WATER LIGHTER *AWL 304*, 1967  
M2977****Quantity: 0.05 metres****RECORDS RELATING TO THE REPAIR OF A STARCH BUCK MACHINE, 1968  
M2760****Quantity: 0.18 metres**

This series relates to the rebuilding and repair of a starch buck machine for Lifesavers (Australia) Limited at Cockatoo Island Dockyard in 1968. Items include photographs, correspondence, reports, specification sheets and drawings.

**FOLDERS OF LISTS OF EQUIPMENT, PORTABLE FITTINGS, SPARE GEAR, DRAWINGS AND INSTRUCTION BOOKS FOR DESTROYER ESCORT HMAS *TORRENS*, 1969  
M2861****Quantity: 0.99 metres**

**MACHINERY DRAWING INDEX/REGISTER TO WORKING DRAWINGS OF DESTROYER  
ESCORTS HMAS *TORRENS* AND *SWAN*, 1969–70 M3256**

**Quantity: 0.09 metres**

**MACHINERY INFORMATION BOOK FOR DESTROYER ESCORT HMAS *TORRENS*, 1971  
M3302**

**Quantity: 0.25 metres**

**DRAWINGS OF SPECIAL TOOLS FOR RUDDER DISMANTLING OF ESCORT MAINTENANCE  
SHIP HMAS *STALWART*, 1979 M3297**

**Quantity: 0.18 metres**

**PACK OF RECORDS DEMONSTRATING DIFFERENT TYPES OF WORK UNDERTAKEN,  
1979–85 M3167**

**Quantity: 0.45 metres**

**FOLDER LISTING VESSELS CONSTRUCTED FROM 1912 TO 1991, 1991 M3081**

**Quantity: 0.18 metres**

## **Trials and tests**

As part of the operations of the dockyard, tests were routinely conducted on equipment and on vessels constructed or serviced. Records of the tests are generally technical in nature.

**BOOK OF BOILER TESTS AND EXAMINATIONS, 1893–1947 C3450**

**Quantity: 0.45 metres**

This series consists of one volume detailing tests of boilers associated with Cockatoo Island Dockyard, either situated in a building on the island or on a vessel constructed or repaired at the dockyard. An alphabetical index by boiler name precedes the test entries which are in chronological order and show date, boiler name, test pressure and working pressure.



**INDICATOR CARDS AND DATA/DIAGRAMS FOR SHIP STEAM TRIALS, 1913–56  
C3267****Quantity: 2.30 metres**

Envelopes holding indicator cards and associated data were the result of trials on steam engine valve pressures of vessels built or overhauled at Cockatoo Island Dockyard. For each item the following information was recorded: trial number, ship name, date of trial and sometimes client's name (if not a navy vessel) and the machinery tested.

Most envelopes hold indicator cards (diagrams of the valve pressure), folded drawings (blueprints, linen tracings and paper tracings), folded reports on the trials, tables on the trials and occasionally memos.

**BOOK OF TESTS AND EXAMINATIONS OF BUILDING BOILERS, 1913–67  
C3452****Quantity: 0.45 metres****INCLINING EXPERIMENTS BOOKS FROM THE CALCULATIONS/DESIGN OFFICE, 1913–71  
C3552****Quantity: 0.09 metres****TRIAL DATA BOOKS FROM THE CALCULATIONS/DESIGN OFFICE, 1914–67  
C3554****Quantity: 0.09 metres****BOOK OF SHIP BOILER TESTS, 1915–58                      C3451****Quantity: 0.45 metres****'MODEL TANK TESTS BOOKS' [FOLDERS OF REPORTS ON TESTS OF MODEL TANKS],  
1975–77                      M2987****Quantity: 0.72 metres**

This series consists of 18 books or folders of reports on the tests of model tanks conducted at Vickers' experimental tanks at St Albans and Dumbarton in the UK. Each item has a list of contents or index on the front page.

A range of records is represented, including drawings, text, photographs, photocopies of photographs, tables, booklets, diagrams, figures and calculations.

**'MODEL TEST INDEX' [LIST OF FOLDERS OF REPORTS ON THE TESTS OF MODEL SHIPS],  
1941–75 M2988**

**Quantity: 0.02 metres**

This series consists of a list of folders of reports on the tests of model ships conducted at Vickers' experimental tanks at St Albans and Dumbarton in the UK. Information in the list consists of book or folder number and the content of the reports.

**LAUNCH TRIALS BOOK, 1945–53 M3205**

**Quantity: 0.05 metres**

This book is primarily a record of speed trials for the dockyard's launches: Launch 'A', *Codock Junior*, *Drummer*, *Fitzroy*, *Sans Pareil*, *Codock II* and *Biloela*.

**TRIALS AND EQUIPMENT BOOK FOR LAUNCHES, LIGHTER, FLOATING WORKSHOP,  
CRANE, PUNT AND HOPPER BARGE, 1946–56 M3053**

**Quantity: 0.02 metres**

This volume is primarily an equipment and survey book for the dockyard's launches, *Sans Pareil*, *Drummer*, *Fitzroy*, *Harman*, the steam lighter *Codock*, the floating workshop, the punt *Bondi*, the loam punt, the *Titan* crane and the hopper barge punt.

**FOLDERS OF ELECTRICAL EQUIPMENT TRIAL RECORDS FOR DARING CLASS  
DESTROYER HMAS *VAMPIRE*, 1959 M3312**

**Quantity: 0.09 metres**

See the series description for HMAS *Vampire* for further information.

**FILES RELATING TO TESTS OF ELECTRICAL COMPONENTS OF DESTROYER ESCORT  
HMAS *TORRENS*, 1966–68 M3190**

**Quantity: 0.45 metres**

See the series description for HMAS *Torrens* (II) for further information.

**FOLDERS OF FINAL ELECTRICAL TRIALS SCHEDULES FOR DESTROYER ESCORT HMAS  
*TORRENS*, 1969–70 M2946**

**Quantity: 0.18 metres**

**FOLDER OF BASIN TRIAL RESULTS FOR DESTROYER ESCORT HMAS *TORRENS*, 1970  
M2807****Quantity: 0.01 metres****MISCELLANEOUS MACHINERY TRIAL REPORT FOLDER OF DESTROYER ESCORT HMAS  
*TORRENS*, 1971 M2963****Quantity: 0.18 metres****BOOKS OF TEST AND TRIAL REPORTS FOR AUXILIARY OIL REPLENISHMENT (AOR)  
VESSEL HMAS *SUCCESS*, 1986 M3052****Quantity: 0.72 metres****Other technical records**

A range of records is included in the collection relating to technical matters. These include matters connected with activities at the dockyard as well as information apparently held for reference purposes.

**TECHNICAL INFORMATION COLLECTED ON OVERSEAS VISITS, 1900–33  
C3597****Quantity: 0.18 metres**

Most items within this series are blueprints, white paper prints, or tracings. They consist of calculation tables and graphs for submarines and surface vessels in Great Britain, particularly relating to hydrostatic, capacity, displacement, speed and launch curves, launching arrangements, metacentric and other diagrams.

**Torpedo speed – charts for unidentified vessel, undated C3597, Packet 1****Launching data – *Marlborough, Aurora, Carol, Warspite, Royal Oak, Cleopatra, Reapers*, K Class (6 & 7), *J7, Frobisher*, undated C3597, 159M****BOOK OF DISPLACEMENT SHEETS, 1912–59 C3487****Quantity: 0.18 metres**

This series consists of a book containing displacement sheets for most of ships built at Cockatoo Island Dockyard. On the displacement sheets are recorded tables of measurements and figures, with an incomplete index/list of contents on the front page.

**ESTABLISHMENT FORGING SKETCHES FOR MACHINERY, EQUIPMENT AND FITTINGS,  
1915–33 C3510****Quantity: 0.9 metres**

These forging sketches relate to equipment, machinery and fittings that form part of the establishment or fixtures of the island. The sketches are the details of parts of those fixtures.

**Establishment forging sketches – book Number 2, 1915–17 C3510, 1****Forging book Number 4, 1920–33 C3510, 3****DRAUGHT BOOK FOR VESSELS CONSTRUCTED, 1915–69 C3559****Quantity: 0.45 metres****BOOK OF MICROMETER ROOM SKETCHES RELATING TO MACHINERY AND PARTS BUILT  
OR PROPOSED, 1926–32 C3567****Quantity: 0.02 metres****FOLDERS OF LISTS OF PORTABLE FITTINGS, SPARE GEAR, DRAWINGS AND  
INSTRUCTION BOOKS FOR SHIPS BUILT OR REFITTED, 1936–76 M2677****Quantity: 1.80 metres**

This series consists of lists of spare gear, fittings, drawings and instruction books that were placed on board ships completed or refitted at Cockatoo Island Dockyard. The lists provided a reference tool to supplies, spare parts and the ships' drawings. Accompanying each of the lists are one or more copies of a certificate confirming that the items listed were on board. One copy of the lists was kept with the ship, one at Cockatoo Island Dockyard and one by the ship owner (in most cases, the Royal Australian Navy).

**HMAS *Karang*, 1941 M2677, 1****HMAS *Vampire*, 1959 M2677, 54**

**SKETCHES OF SPECIAL ENGINEERING STORES, 1939–48****M2952****Quantity: 0.18 metres**

This series consists of sketches of engineering special stores that were placed on board the ships completed at Cockatoo Island Dockyard. It was used as a reference tool to the supplies mentioned in the sketches. A copy of the sketches was kept with the ship. The sketches show the dimensions, fittings and arrangement of the various engineering parts and tools. They relate to the lists of portable fittings, spare gear and drawings (M2677).

**HMAS *Kookaburra*, 1939      M2952, 1****HMAS *Wollongong*, 1948      M2952, 15****MISCELLANEOUS RECORDS RELATING TO WORK ON VESSELS INVOLVING ASBESTOS,  
1939–87      M2970****Quantity: 0.37 metres**

The records in this series range from material and specifications lists to mechanical drawings and survey reports. Most of the items are files and deal with individual vessels. The last item in the series is a collection of rolled paper drawings of the boom defence vessels HMAS *Koala*, *Kangaroo* and *Karangi*. Not all vessels referred to in the series were built at Cockatoo Island Dockyard. Some underwent surveys and refits there.

**FOLDER OF DOCUMENTS CONCERNING SHIPS' STABILITY, 1966–76****M3071****Quantity: 0.45 metres**

# 6 Docking and Launching Records

The series described in this section relate to the docking and launching of vessels at Cockatoo Island Dockyard.

## **DOCKMASTER'S LOGBOOKS, 1912–91**

**C3565****Quantity: 1.08 metres**

This series consists of the log books and notebooks kept by the dockmasters at Cockatoo Island Dockyard. The log books date from 1912, when the dockyard was known as the Commonwealth Naval Dockyard, up to June 1991, when the last submarine was docked on the island. Included in the series are the dockmasters' notebooks, in which they recorded for their own use details of the ships in dock. This information was then transposed into the larger leather bound volumes, the log books, which are also part of the series. The information in the books consists of the name of the vessel in dock, the dates of its docking and departure, its dimensions, the dock in which it was berthed and the times of arrival and leaving.

## **LAUNCHING CALCULATIONS BOOK, 1913–38**

**C3550****Quantity: 0.90 metres**

## **LAUNCHING PARTICULARS BOOK, 1913–84**

**C3551****Quantity: 0.45 metres**

Information recorded within this volume includes date, time of day, weather, tugs, statistics, and relevant comments.

## **DOCKING PLANS, 1913–90**

**C3583****Quantity: 1.80 metres**

This series consists of copies of docking plans which were held by the dockmaster and includes hand drawn sketches of the ships with details of their dimensions and instructions for their berthing.

The series does not contain a plan of every ship that docked at the island, but they do represent ships that were built on the island (mostly naval vessels), and ships on which work was undertaken by the dockyard. They provide the information necessary for the correct docking of the ships.

**Unattended lightship *Carpentaria*, 1916      C3583, 2****SSMS *Tulagi*, 1955      C3583, 17**

**LAUNCHING ARRANGEMENTS FOR SHIPS, 1914–28 C3644**

Quantity: 0.09 metres

HMAS *Derwent*, 1914 C3644, 1

HMAS *Albatross*, 1928 C3644, 11

**DOCKING PLANS FOR VARIOUS SHIPS, 1931–41 C3310**

Quantity: 0.18 metres

HMS *Challenger* ('as fitted'), 1931 C3310, H41

HMS *Franklin* ('as fitted'), 1936 C3310, H48

**BOOK LISTING DOCK AND SLIP PLANS, 1940–54 M3286**

Quantity: 0.09 metres

**BOOK LISTING VESSELS DOCKED AT NUMBER ONE SLIP, 1946–74 M3288**

Quantity: 0.09 metres

**FILES RELATING TO SHIP LAUNCHINGS, 1947–61 M2840**

Quantity: 0.09 metres

The five files in this series provide documentation for the launchings of the following ships built at Cockatoo Island Dockyard: HMAS *Tobruk*, *Voyager*, *Vampire*, *Parramatta* and *Stuart*. Included in the file relating to HMAS *Voyager* is an admission pass for the launching of HMAS *Arunta* for 30 November 1940, which was probably used as a sample for the printing of passes for the launching of HMAS *Voyager*. The contents of the files are: correspondence, copies of invitations to the launchings, handwritten notes, programs of activities leading up to the launching, programs for the launching, copies of speeches made by guests, ferry timetables, plans of launching platforms and seating, photographs, etc.

**DOCKMASTER'S VOLUME CONTAINING DOCKING INFORMATION, BY 1954–86  
M3280**

Quantity: 0.09 metres

**INDEX TO DOCKMASTER'S VOLUME CONTAINING DOCKING INFORMATION, 1954–86  
M3281**

Quantity: 0.09 metres

**BOOK LISTING VESSELS DOCKED AT NUMBER ONE PATENT SLIP, 1965–83  
M3289****Quantity: 0.09 metres****BOOK OF SHIP MOVEMENTS, 1967–91 M3075****Quantity: 0.09 metres**

This series consists of a volume recording ship movements at Cockatoo Island Dockyard. In it are recorded names of vessels, job numbers, wharf/dock/slip, and dates of arrival and departure.

**REGISTER TO SHIPS ALONGSIDE, 1968–91 M3283****Quantity: 0.09 metres****ESTIMATING OFFICE'S BOOK OF SHIP MOVEMENTS, 1971–75 M3234****Quantity: 0.02 metres**



# 7 Electrical Records

Records in this section are general series of electrical records which are not confined to individual vessels. Those which are concerned with individual vessels have been listed in the relevant section for the particular vessels concerned.

## **ELECTRICAL SHIPS' DRAWINGS, 1911–17**

**C3606****Quantity: 0.09 metres**

The drawings in this series are those that are not part of any identified series transferred by Cockatoo Dockyard Pty Limited to the National Archives. The drawings are mostly concerned with ships built at Cockatoo Island Dockyard: HMAS *Warrego*, the torpedo boat destroyer HMAS *Huon*, and HMAS *Brisbane*.

**HMAS *Warrego*, arrangement of lighting, 1911      C3606, 1****HMAS *Brisbane*, solenoid for ash hoist motor full size, 1917      C3606, 10**

## **ELECTRICAL WORKING DRAWINGS FOR THE POWER STATION, 1913–20** **C3544**

**Quantity: 3.59 metres**

Included are drawings of switchboards, wiring, fire systems, generators and circuits.

## **REGISTER TO ELECTRICAL DRAWINGS, 1913–79**

**C3513****Quantity: 0.09 metres**

## **INDEX TO ELECTRICAL DRAWINGS, 1913–79**

**C3514****Quantity: 0.09 metres**

## **ELECTRICAL DRAWINGS, 1913–91**

**C3512****Quantity: 50.34 metres**

Drawings in this series represent the main electrical drawings produced at Cockatoo Island Dockyard from the time that the Commonwealth assumed control in 1913 to the last project undertaken, the refit of the submarine HMAS *Orion*. The drawings relate mainly to ships, although a few establishment drawings are included.

**ELECTRICAL WORKING DRAWINGS OF FLOATING CRANE TITAN, 1916–25  
C3547****Quantity: 0.36 metres****ELECTRICAL ESTABLISHMENT DRAWINGS OF POWER STATION PUMPS, 1916–68  
C3553****Quantity: 0.18 metres**

These electrical drawings cover such items as hydraulic pumps and valves, the Ruwolt hydraulic pump, main pump panels and details, layout of pipes, cables to main pumps, etc.

**ELECTRICAL DRAWINGS OF OLD SITE AND MAINS PLANS, 1917–44 C3577****Quantity: 0.18 metres**

The electrical drawings in this series show the layout of electrical systems, the wiring of Sutherland Dock, distribution boxes, the yard lighting system as well as including main test sheets.

**ELECTRICAL ESTABLISHMENT DRAWINGS, 1917–85 C3543****Quantity: 4.32 metres**

These drawings relate to the establishment (plant and buildings) at Cockatoo Island Dockyard.

**REGISTER TO ELECTRICAL ESTABLISHMENT DRAWINGS, 1917–85 C3643****Quantity: 0.09 metres****CALCULATION BOOK FROM THE ELECTRICAL DRAWING OFFICE, 1920–21  
C3408****Quantity: 0.27 metres****ELECTRICAL MAKERS' DRAWINGS, 1925–27 C3607****Quantity: 0.09 metres**

The drawings in this series deal with particular systems and types of equipment supplied by the manufacturer to the dockyard.

**ELECTRICAL DRAWINGS, 1933–90****M3049****Quantity: 2.16 metres**

Drawings in this series relate to vessels, and to plant, machinery and buildings on the island.

**REGISTER TO ELECTRICAL DRAWINGS, 1933–90****M3050****Quantity: 0.09 metres****INDEX TO ELECTRICAL DRAWINGS, 1933–90****M3057****Quantity: 0.09 metres****REGISTER TO ELECTRICAL DRAWINGS, 1934–91****M3026****Quantity: 0.09 metres****NEGATIVES OF ELECTRICAL FITTING BLUEPRINTS, 1937–42****M3602****Quantity: 0.18 metres**

This series contains black and white negatives of blueprints and specifications of light fittings for various ships. The blueprints are of fuse boxes, navigation lights and safety switches and give the number used for each pattern.

**‘AS FITTED’ AND WORKING ELECTRICAL DRAWINGS OF FLOATING DOCK XVII, 1942–46  
M3083****Quantity: 0.54 metres**

The working drawings in this series were used for the construction of Floating Dock XVII and show the electrical arrangement and details of the dock as it was on completion. Most drawings were produced by the Electrical Drawing Office at Cockatoo Island Dockyard, and relate to the motor generator, pumps, circuits and portal cranes.

**ELECTRICAL ESTABLISHMENT DRAWINGS, 1942–77****M3085****Quantity: 1.98 metres**

**ELECTRICAL ESTABLISHMENT DRAWINGS OF NEW SITE AND MAINS PLANS, 1947–71  
M3086**

**Quantity: 0.18 metres**

**ELECTRICAL HANDBOOKS TO EQUIPMENT AND MACHINERY OF ESCORT MAINTENANCE  
SHIP HMAS STALWART, 1949–77 M3070**

**Quantity: 0.36 metres**

**FOLDERS OF ELECTRICAL EQUIPMENT TRIAL RECORDS FOR DARING CLASS  
DESTROYER HMAS VAMPIRE, 1959 M3312**

**Quantity: 0.09 metres**

This series consists of two folders relating to electrical trials of equipment for HMAS *Vampire*. The first is 'Results of Balancing Electrical Circuits and Fittings' and the second is 'HP Switchboard. Breakers & Switches, Millivolt drop tests'.

**ELECTRICAL HANDBOOKS TO EQUIPMENT AND MACHINERY, 1959–82  
M3065**

**Quantity: 0.36 metres**

The handbooks in this series consist mostly of published material from the manufacturers of equipment.

**BOOKLET OF PHOTOGRAPHS OF MARINE TYPE SWITCHBOARDS, 1960–90  
M3258**

**Quantity: 0.09 metres**

This series consists of an undated booklet containing photographs of Crompton Parkinson marine type switchboards. The booklet was part of a collection of records in the Electrical Drawing Office at Cockatoo Island Dockyard.

**FILES RELATING TO TESTS OF ELECTRICAL COMPONENTS OF DESTROYER ESCORT  
HMAS TORRENS, 1966–68 M3190**

**Quantity: 0.45 metres**

Only three files holding test forms and reports are extant. Items tested were main and auxiliary switchboards, generating machinery, and forward cable and warping capstan motor.

**'AS FITTED' ELECTRICAL DRAWINGS FOR DESTROYER ESCORT HMAS TORRENS, 1970–71  
M3062**

**Quantity: 2.43 metres**

# 8 Calculating – Design – Planning Office Records

Records in this section were created by the Calculating Office, subsequently named the Design Office, and the Planning Office, at Cockatoo Island Dockyard.

**LAUNCHING CALCULATIONS BOOK, 1913–38**

**M3550**

**Quantity: 0.90 metres**

**CALCULATION BOOKS, 1913–40**

**C3549**

**Quantity: 0.18 metres**

**TRIAL DATA BOOKS FROM THE CALCULATING/DESIGN OFFICE, 1914–67**  
**C3554**

**Quantity: 0.09 metres**

**DESIGN OFFICE FILES RELATING TO INDIVIDUAL PROJECTS, 1914–77**

**C3440**

**Quantity: 3.24 metres**

Files in this series were maintained by the Design Office at Cockatoo Island Dockyard for the construction or refit of particular vessels, or for tendering purposes. Separate files were raised for each project. They contain a variety of papers including drawings, technical information, some contracts, ships' certificates, and correspondence.

**Sundry trials and tests, various vessels [HMAS *Huon*/*Derwent*, *Torrens*, *Brisbane*, *Biloela*], 1914–20**      **C3440/1, 4, 5, 7, 61**

**USS *New Orleans*, 1943**      **C3440/1, NN**

**BOOKS AND FILES OF CALCULATIONS RELATING TO CONSTRUCTION OF SHIPS, 1918–75**  
**C3584**

**Quantity: 0.36 metres**

**Nos 47/48 *Fordsdale*, *Ferndale* [calculation], 1923**      **C3584, 3**

**Calculation book no. 5 [patrol boats, HMAS *Yarra*, *Anzac*, *Swan*], 1934–39**  
**C3584, 9**

**CALCULATION BOOK FROM THE ELECTRICAL DRAWING OFFICE, 1920–21  
C3408**

**Quantity: 0.27 metres**

**BOOK RECORDING DRAWINGS HELD IN THE CALCULATING OFFICE, 1933–40  
M3088**

**Quantity: 0.45 metres**

This book functioned as a register or location record, with chronological entries by ship number recorded within alphabetical divisions of the book.

**CALCULATING/DESIGN OFFICE DRAWINGS, 1933–91****M2943**

**Quantity: 17.10 metres**

Drawings in this large series relate to ships built or serviced by the dockyard, jobs tendered for, and establishment (buildings and machinery on the island constructed or proposed). Included are tables of calculations and some correspondence, as well as drawings.

**REGISTERS TO CALCULATING/DESIGN OFFICE DRAWINGS, 1933–91****M2947**

**Quantity: 0.18 metres**

**DESIGN OFFICE DIARY, 1942–86****M3087**

**Quantity: 0.45 metres**

This series consists of a diary maintained in the Design Office at Cockatoo Island Dockyard recording work done by individual employees from August 1942 to the end of the year.

The book was apparently used later to record other information, such as notes of interest, work undertaken by employees, shipyard proposals, Design Office staff, schedule of work for various construction and modernisation jobs, work in hand for individual employees and work to be done.

**PLANNING OFFICE RECORDS, 1948–91****M3306****Quantity: 1.64 metres**

This series consists of a variety of records from the Planning Office. Most relate to work programming, particularly allocation of manpower for jobs undertaken or tendered for. The Chief Planner at the time of the dockyard's closure added notes explaining the significance of individual items.

**Historical drawings – Cockatoo Island at various stages of development,  
1887–1974      M3306, 1**

**Labour history graph, 1948–58      M3306, 11**

**DESIGN OFFICE FILES, 1960–86****M2953****Quantity: 2.88 metres**

This includes drawings, some correspondence, printed material including copies of relevant articles, sales brochures and a number of photographs. A few items of interest are early statistics regarding cross-channel steamers, and general arrangements for ships, docks, and cranes. Also included are a number of photographs of the tug *Vivian*.

***Vivian* information, 1937–39      M2953, 32**

***Albatross* file, 1925–28      M2953, 46**

**REGISTER TO DESIGN OFFICE FILES, 1960–86****M2974****Quantity: 0.18 metres****PLANNING DEPARTMENT MANUALS, 1965–82****M3141****Quantity: 0.09 metres**

This collection of manuals describe the Planning Department's operations, its introduction and development, and some of the documentation produced.

**DESIGN REVIEW AND APPRAISAL REPORT FOR ROYAL AUSTRALIAN NAVY  
DESTROYERS (DDL), 1973      M3134**

**Quantity: 0.18 metres**

**FOLDER OF CALCULATIONS RELATING TO HARBOUR CRUISE VESSEL *JOHN CADMAN II*,  
1985–86 M3201****Quantity: 0.09 metres**

This series consists of a file from the Design Office at Cockatoo Island Dockyard containing calculations and background information relating to work proposed for Captain Cook Cruises on a 39 metre harbour cruise vessel *John Cadman II*. Also included is an envelope containing Lloyds-approved drawings.



## 9 Administrative Records

While most administrative records relating to Cockatoo Island Dockyard in the post-Commonwealth period were retained by the company, several series of administrative records are included in the collection. These are listed in the following categories:

- Specifications, estimates, tenders, contracts
- Accounting records
- Employment records
- Other administrative records.

### Specifications, estimates, tenders, contracts

These records contain details of specifications, estimates, tenders and contracts for construction of vessels and facilities on the island.

#### **CHART OF TENDERS TO CONSTRUCT SUTHERLAND DOCK, 1884**

**C3689****Quantity: 0.18 metres**

#### **SPECIFICATIONS FOR CONSTRUCTION OF SHIPS, 1900–30**

**C3528****Quantity: 0.54 metres**

This series consists of 51 volumes of specifications issued by the British Admiralty, the Department of Defence (Navy Office) or Commonwealth Naval Dockyard, Cockatoo Island. They were used to standardise the design and construction of classes or types of ships.

The specifications relate to vessels such as steam pinnaces, fast sea-going torpedo boat destroyers, sailing launches and pinnaces, single screw steel motor launches, steam barges, second class protected cruisers, oil storage vessels, submarines, barge loading dredgers, steel twin screw steamers and new lighthouse steamers.

**Admiralty – specification for building a fast sea-going torpedo boat destroyer, 1901 C3528, NN**

**Specification No. 3980 for construction of a new lighthouse steamer 195' x 34' x 17', 1930 C3528, NN**

**ESTIMATE BOOKS, 1914–19****C3495****Quantity: 0.18 metres**

The two books that comprise this series record estimates of the details and total costs of vessels proposed for construction at Cockatoo Island Dockyard. Most of the vessels were in fact built at the dockyard. The two volumes differ slightly in format and for the most part cover the same estimates. Estimates in both volumes do not always detail an entire vessel, but often part of the construction or refit such as the mast.

**ESTIMATES AND TENDERS FOR JOBS, 1922–33****C3455****Quantity: 1.08 metres**

The estimates and tenders in this series include invitations to tender, letters, specifications, detail sheets, summaries of estimates, sketches, drawings, notes and tender forms produced by Commonwealth Naval Dockyard, Cockatoo Island in efforts to win building contracts. Not all the estimates and tenders represented in the series were successful.

The estimates record the type of vessel or job, the client, the Cockatoo Island Dockyard estimate or tender number, and date. Most estimates contain a breakdown of the cost for jobs into the different dockyard sections.

**Motor launch for Solomon Islands (Burns Philp Pty Ltd), 1922      C3455, 1****Steel motor vessel for Holyman and Sons Tasmania, tender number 6065,  
1932–33      C3455, 87****BOOKS OF ESTIMATES FOR JOBS, 1922–45****C3660****Quantity: 0.18 metres**

Most entries recorded estimated costs for labour and material for the various sections of the dockyard.

**FOLDER CONTAINING CONTRACTS AND CORRESPONDENCE RELATING TO BUNNERONG  
POWER PLANT, 1926      C3497****Quantity: 0.03 metres**

This folder contains correspondence and a contract dated 1926 between the Australian Commonwealth Shipping Board, the Commonwealth Naval Dockyard, Cockatoo Island, and the Municipal Council of Sydney.



Cockatoo Island Dockyard executives, 1935.  
NAA: C4151, 1

**ESTIMATES AND TENDERS, 1933–46****M3129****Quantity: 0.36 metres**

The estimates and tenders for jobs relating to the construction, conversion, and refit of vessels that comprise this series include invitations to tender, letters, sketches and drawings produced by Cockatoo Docks & Engineering Co. Pty Ltd in efforts to win building contracts. The series continues from the previous tenders and estimates series created when the dockyard was controlled by the Commonwealth Government (C3455). Most tenders and estimates were for Government departments, although some tenders were for mercantile vessels. Not all the tenders were successful.

The estimates and tenders give the type of vessel or job, the ship's name if known, the client, the tender or estimate number and the date. Most estimates contain a breakdown of the cost of jobs into the different dockyard sections. Items vary in detail from rough cost estimates to detailed costs, correspondence, and guidance drawings; some items include drawings, letters, specifications, detail sheets, summaries of estimates, notes and tender forms.

**Grimsby class sloop, 1933      M3129, 11****Greymouth Harbour Board, proposed tug, 1940      M3129, 6809****INDEX BOOKS TO ESTIMATES PREPARED BY THE MECHANICAL DRAWING OFFICE, 1933–86**  
**M3073****Quantity: 0.09 metres**

The information recorded in these two index books consists of the estimate number and subject. The series provides a record of the variety of work which the dockyard was prepared to undertake.

**SPECIFICATIONS FOR THE CONSTRUCTION OF SHIPS, 1934–85****M2736****Quantity: 1.98 metres**

This series consists of written specifications issued by the British Admiralty, the Australian Navy Office, or the Australian Shipbuilding Board, to standardise the design and construction of classes or types of ships. Most date from World War II and are marked 'Confidential'.

The types of vessels covered by these specifications are sloops, local defence vessels, destroyers, frigates, flotilla leaders, deck steamers, anti-submarine vessels, an escort maintenance ship, an aircraft or water lighter, fast combat support ship and a fleet underway replenishment ship.

Most of the volumes in the series are part of a larger set of specifications and therefore deal only with machinery. A number of them are overall specifications, outlining all aspects of the particular vessel's design and construction.

**'SHOP ORDER BOOKS' [REGISTER OF WORK UNDERTAKEN], 1946–69  
M3031**

**Quantity: 0.18 metres**

**VOLUME CONTAINING A SUMMARY OF SUCCESSFUL JOBS TENDERED FOR, 1957–63  
M3051**

**Quantity: 0.09 metres**

This series consists of a book which records the estimated and actual costs of each job tendered for by Cockatoo Docks & Engineering Co. Pty Ltd, the quote number, date, firm, description and job number. Entries appear to be in rough chronological order. They were apparently made by the Estimating Section of the dockyard.

**ESTIMATING OFFICE'S BOOK OF SHIP MOVEMENTS, 1971–75** **M3234**

**Quantity: 0.02 metres**

**TENDERS SUBMITTED, 1972–84** **M3133**

**Quantity: 0.54 metres**

The items in this series were produced by Vickers Cockatoo Dockyard Limited in efforts to win building contracts. The tenders record the type of vessel/job, the ship's name if known, the client, the tender/estimate number and the date. Most estimates contain a breakdown of the cost of jobs into the different dockyard sections. The tenders in this series include the tender for HMAS *Success* and the 800 litre bucket dredger. Not all the tenders were successful.

Tenders and estimates vary in detail from rough cost estimates to detailed costs. Most were for Government departments, although some were made for mercantile vessels.

Some items include drawings, blueprints and coloured drawings; invitations to tender, letters, specifications, detail sheets, summaries of estimates, notes and tender forms are also sometimes included.

## **Accounting records**

Some miscellaneous accounting records of historical interest are described below.

**BOOK LISTING MACHINERY AND PLANT IN USE, 1913–33?** **C3490**

**Quantity: 0.25 metres**

This series consists of an accounting-type book listing machinery and plant in use at Cockatoo Island Dockyard. In addition to the lists, it includes a table of contents and an alphabetical index.

**CHARGE-OUT REGISTER FOR EQUIPMENT AND PAINT, 1914–79****C3454****Quantity: 0.18 metres****ACCOUNTING LEDGER, 1921****C3661****Quantity: 0.18 metres****FOLDER CONTAINING STOCK LISTS OF MATERIALS AND ASSOCIATED COSTS, 1924****C3489****Quantity: 0.20 metres****TREASURER'S DOCUMENTS RELATING TO THE COMFORTS FUND, 1943–46****M2995****Quantity: 0.18 metres**

The documents in this series relate mainly to the accounting side of the Comforts Fund branch that operated at Cockatoo Island Dockyard during World War II. The branch at the dockyard was primarily concerned with the welfare of persons serving on ships built at the dockyard and in naval hospitals.

The series contains receipt books, bank statements, invoices, treasurer's account book, cheque books, an annual report and letters of thanks from various institutions.

**Annual report, 1945      M2995, 4****Letters of thanks from hospitals and navy, 1944–45      M2995, 8****FOLDER RELATING TO THE ESTABLISHMENT OF NAVAL STORES FOR FLOTILLA LEADERS AND DESTROYERS FITTED FOR CENTRALISED NAVAL STOREKEEPING, 1943–48****M3257****Quantity: 0.09 metres**

This series consists of a publication titled *Establishment of Naval/Sea Stores for Flotilla Leaders and Destroyers Fitted for Centralised Naval Storekeeping (Except 'Hunt' Class)*. It appears to have been updatable.

The publication had been received from the Principal Naval Overseer at Cockatoo Island Dockyard.

**CHART OF PROGRESSIVE WAGE RATES, 1949****M3174****Quantity: 0.09 metres**

This series consists of one large chart which records in columns information on wages for various occupational groups employed at the dockyard.

## Employment records

Personnel records created in the post Commonwealth period, ie after 1933, were not transferred to the National Archives when the dockyard closed. A series of alphabetical personnel files for the Commonwealth period is held at the National Archives in Canberra as series CP268/2. The date range of these files is 1912 to 1946. Miscellaneous records held at the Archives office in Sydney are listed below.

### **FOLDERS OF PAPERS RELATING TO THE ASSOCIATION OF DRAUGHTSMEN, 1913–25 C3667**

**Quantity: 0.18 metres**

This series consists of three folders and a quantity of loose papers including correspondence, minutes of meetings, election papers, notes, reports, proposals, and some accounting records (particularly relating to the Balmain Relief Fund).

### **APPLICATIONS FOR EMPLOYMENT, 1914–16**

**C3666**

**Quantity: 0.18 metres**

Contents of these three folders consist of original enquiries, letters of application and references. A list of applicants is held at the front of Item 1, and applications are numbered from 1 to 134.

### **WORKMAN'S REGISTER, 1915–19**

**C3546**

**Quantity: 0.09 metres**

This series consists of a large loose-leaf volume which was a register of employees at Cockatoo Island Dockyard. The pages, one for each employee, show name, ticket number, trade, department, date and place of birth, union membership, address and date of arrival in Australia. Below, in columns, were recorded date of joining, rate of pay, leave and lost time, discharge, character and ability. Entries appear to date from 28 September 1915, but the date of employment is prior to this in some cases. Entries, in alphabetical groupings by surname, appear to cease in about March 1919.

### **REGISTER OF UNION MEMBERSHIP FOR DRAUGHTSMEN, 1916–27**

**C3523**

**Quantity: 0.18 metres**

**NON-CURRENT PERSONAL FILES – COCKATOO ISLAND DOCKYARD, 1921–33  
(CONTENTS: 1906–46) CP268/2**

**Quantity: 1.26 metres (Canberra)**

These files, 336 in total, relate to staff employed at the dockyard prior to its being leased to Cockatoo Docks and Engineering Company in 1933.

**Allen, W, Shift Engineer, 1926–27 NN**

**Wilson, W, Assistant Foreman Plumber, 1926 NN**

**ORGANISATION CHART, 1933 M3315**

**Quantity: 0.09 metres**

**APPLICATIONS FOR EMPLOYMENT IN THE SHIP DRAWING OFFICE, 1933–47  
M3041**

**Quantity: 0.36 metres**

This series relates mainly to draughtsmen's positions, either as cadets or fully qualified staff. Some files relate to re-engagement and other appointments within the Ship Drawing Office.

**Applications for cadetship draughtsmen, 1933–39 M3041, 1**

**Applications other than draughtsmen, 1936–47 M3041, 14**

**FOLDER OF REFERENCES FOR EMPLOYEES, 1934–47 M3298**

**Quantity: 0.09 metres**

**Other administrative records****FILE OF MEMORANDA AND CIRCULARS, 1914–32 C3561**

**Quantity: 0.18 metres**

This series consists of copies of memoranda and circulars sent by the General and Assistant General Managers at Cockatoo Island Dockyard to the employees and officers of the company. The issues covered mostly relate to the day-to-day running and policy of the island and dockyard, and include such matters as preferred employees, employee conduct, pay and working conditions, notice of changes or developments on the island, apprentices, etc. At the start of the file is a handwritten list of the numbers and contents of the memos.



**FOLDER OF 'RECORD OF WORK DONE FROM 1913 TO 31ST JULY 1921' AT THE  
COMMONWEALTH DOCKYARD, COCKATOO ISLAND, 1921 C3445****Quantity: 0.02 metres**

This series consists of an 11-page typed report of work done at the Commonwealth Dockyard at Cockatoo Island between 1913 and 31 July 1921. Information contained includes particulars of warships and other ships built since 1913, work on transports, general refit and repair work, docking transactions, and development of the dockyard.

**'WORK IN HAND' – BOUND VOLUME DETAILING WORK COMPLETED BY THE COCKATOO  
ISLAND DOCKYARD BETWEEN 1912 AND 1934, 1913–33 (contents: 1912–34)  
C5028****Quantity: 0.09 metres**

This volume appears to be the main register recording work completed by the dockyard during the period it was under the control of the Commonwealth Government. In addition it contains four typewritten reports with details of activities of the dockyard in the early years of the Commonwealth's administration, one of which is a copy of the report located in C3455.

**FOLDERS OF HANDOVER FORMS AT THE COMPLETION OF SHIP CONSTRUCTION OR  
REFIT, 1928–63 C3314****Quantity: 0.72 metres**

This series consists of folders of copies of handover forms which contain information and data such as calibration tables, dimensions of ships, trial records, drawings, forms and charts, reports and certifications of survey tests, statement particulars for ships' books, correspondence, appendixes, and records of weights.

**HMAS *Albatross*, 1928 C3314, 106****HMAS *Vampire*, 1959 C3314, 189****CORRESPONDENCE REGISTERS MAINTAINED BY THE SHIP DRAWING OFFICE, 1933–61  
M3211****Quantity: 0.90 metres****MANPOWER CHARTS, 1948–62 M3163****Quantity: 0.09 metres**

Charts and graphs in this series relate to manpower requirements for particular jobs undertaken at Cockatoo Island Dockyard between September 1948 and 21 December 1962. Some charts cover a timespan of several years and relate to more than one vessel, while others relate to a single vessel only. Also with the charts is a manilla folder containing charts and correspondence relating to the destroyer building programs for the Royal Australian Navy.

**FILES FROM THE SHIP DRAWING OFFICE, 1956–66****M3300****Quantity: 0.36 metres**

This series consists of a small number of files held by the Ship Drawing Office at Cockatoo Island Dockyard. They appear to be copies of files from the general filing system at the dockyard relating to estimates and progress reports.

**PRODUCTION OFFICE CORRESPONDENCE FILES, 1960–89****M3078****Quantity: 6.56 metres**

The Production Office was responsible for building works as well as machinery and plant, including fixed plant and facilities, used and maintained on the island.

**GRAPHS FORECASTING WORK AND LABOUR LOADINGS, 1964–73****M3107****Quantity: 0.18 metres**

These graphs are an example of the techniques used at the dockyard to identify future known work over a period of about two years and to assess labour needs to cover the work. From these graphs further assessments were made as to the type of tradespeople needed.

**DIARIES OF THE MECHANICAL DESIGN ENGINEER, 1972–82****M3074****Quantity: 0.09 metres**

# 10 Photographic Records

Cockatoo Island Dockyard's history has been extensively documented in photographs. Series are listed below in the following order:

- Specific vessels,
- General photographs
- Control records

The earliest photographs date from around 1898.

## Specific vessels

Although most photographs of individual vessels are included in general photographic series, a few series are confined to specific vessels, particularly submarines, and work undertaken on them.

### **PHOTOGRAPHS OF A MODEL OF A TRIBAL CLASS DESTROYER, 1948** **M3294**

**Quantity: 0.09 metres**

For more information about this series, see HMAS *Arunta* in Chapter 3.

### **PHOTOGRAPHS OF SUBMARINE HMS *TACITURN*, 1960** **M3175**

**Quantity: 0.09 metres**

### **PHOTOGRAPHS OF SUBMARINE HMS *TACITURN*, 1960** **M3176**

**Quantity: 0.09 metres**

### **PHOTOGRAPHS OF SUBMARINES HMS *TABARD*, *TRUMP* AND *TACITURN*, 1960–69** **M3164**

**Quantity: 0.09 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

### **PHOTOGRAPHS OF DESIGNS AND FITTINGS FOR THE PUBLIC ROOMS ON PASSENGER VEHICLE SHIP *EMPRESS OF AUSTRALIA*, 1962–63** **M2890**

**Quantity: 0.18 metres**

For more information about this series, see *Empress of Australia* in Chapter 3.

**PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964****M3269****Quantity: 0.18 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

**PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964****M3271****Quantity: 0.18 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

**PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964****M3272****Quantity: 0.18 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

**PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964****M3273****Quantity: 0.18 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

**BOOKLET OF PHOTOGRAPHS RELATING TO SHIPMENT OF BOILERS FOR HMS *MINERVA*, 1964****M3207****Quantity: 0.09 metres**

This series consists of a booklet containing thirteen black and white photographs relating to the shipment of boilers for HMS *Minerva*. The booklet was produced by Vickers Armstrong Limited, Barrow-in-Furness, in October 1964. There is an 'Index' or list of contents at the front.

**PHOTOGRAPHS TAKEN DURING THE CONSTRUCTION OF ESCORT MAINTENANCE SHIP HMAS *STALWART*, 1964–66****M3014****Quantity: 0.18 metres****PHOTOGRAPHS OF SUBMARINE HMS *TRUMP*, 1965****M3177****Quantity: 0.09 metres**

For more information about this series, see HMS *Trump* in Chapter 3.

**PHOTOGRAPHS OF THE UNDOCKING AND COMMISSIONING OF SUBMARINE HMS  
TABARD, 1965 M3274****Quantity: 0.09 metres**For more information about this series, see HMS *Tabard* in Chapter 3.**NEGATIVES OF PHOTOGRAPHS TAKEN OF DESTROYER ESCORT HMAS TORRENS, 1965–  
69 M3012****Quantity: 0.18 metres****PHOTOGRAPHS OF THE HALF-LIFE REFIT OF HMAS YARRA, 1977 M3268****Quantity: 0.18 metres****General**

Most series of photographs relate to a variety of subjects rather than to individual vessels. Subjects covered include personnel, facilities and activities at the dockyard, vessels and equipment.

**‘ARCHIVES FILES’ [FOLDERS OF PHOTOGRAPHS], BY 1898–1979 C3298****Quantity: 4.23 metres**

This is a collection of photographic prints, most in black and white, selected by dockyard administrative staff from the series of prints (M2669). Photographs appear to have been selected because of their historical or administrative interest. They contain depictions of activities during both world wars, ship repairs and refits, reconstruction and modernisation of the dockyard during the 1960s and 1970s, visits by dignitaries, functions held at the dockyard, and nineteenth-century boilers and turbines. An incomplete diary kept by the manager of the dockyard in 1948 and photographic copies of etchings from the mid-nineteenth century are unusual inclusions.

**Copy of print – Cockatoo from Balmain, 1864 C3298, 66****Glass plate negatives, World War I power station, turbine shop, drawing office,  
etc, undated C3298, 89****Repairs to cruiser wharf, 1966 C3298, 105**

**PHOTOGRAPHS OF COCKATOO ISLAND CONSTRUCTION SITES AND WORKS, BY 1898–C1989 C4149**

**Quantity: 0.48 metres**

For more information about this series, see Chapter 2.

**Cockatoo Island aerial view, 1927 C4149, 6**

**Turbine shop and machine shop interiors, c1919 C4149, 14**

**Cockatoo Island shoreline panorama, 1914 C4149, 55**

**PHOTOGRAPHS OF VARIOUS SHIPS, BY 1898–c1989 C4150**

**Quantity: 1.86 metres**

The photographs in this series depict exterior and interior views of various ships docked at Cockatoo Island. Photographs display views of the construction, launch and fittings of several ships including SS *Fordsdale*, and HMAS *Success*, *Tobruk* and *Voyager*, and *Titan* (crane). Some ships are unidentified. The majority of photographs and proof sheets are black and white.

**Adelaide – HMAS, ship no. 44 construction progress, launching ceremony, external views, c1919–1921 C4150, NN**

**William Williams, liberty ship torpedo damage, 1944 C4150, NN**

**Yelta - ship no. 192 Titan lifting new tug for Adelaide steamship company into water at Cockatoo Island, 1948 C4150, NN**

**MISCELLANEOUS PHOTOGRAPHS, BY 1898–C1990 C4151**

**Quantity: 0.18 metres**

The photographs in this series, some framed, depict a number of unrelated subjects including executives, apprentices, some dockyard operations and staff functions.

**Dockyard executives, c1935 C4151, 1**

**Dockyard apprentices, c1940 C4151, 17**

**Groups of Cockatoo Island staff, c1945 C4151, 24**

**ALBUMS CONTAINING PHOTOGRAPHS TAKEN ON COCKATOO ISLAND DOCKYARD, 1913–71 C3259**

**Quantity: 3.73 metres**

**FOLDER OF PRINTED PHOTOGRAPHS AND DRAWINGS OF FLOATING CRANES, 1914  
C3488****Quantity: 0.20 metres**

For more information about this series, see Chapter 2.

**FRAMED PHOTOGRAPHS AND CERTIFICATES, 1915–84 C3511****Quantity: 13.50 metres**

This series relates to ships built on the island, launchings of these vessels, equipment and machinery, personnel, aerial photographs of the island, and a cartoon. Also included are two framed certificates of appreciation.

**Boiler shop, 1919 C3511, NN****Turbine shop, undated C3511, NN****Cockatoo Island Dockyard – aerial view, 1944 C3511, NN****PHOTOGRAPH ALBUMS, PRESS CLIPPINGS AND CALCULATIONS RELATING TO WALSH  
ISLAND DOCKYARD, 1917–27 C3532****Quantity: 1.44 metres**

For more information about this series, see Chapter 2.

**BOX OF LANTERN SLIDES PRODUCED BY WING COMMANDER (LATER SIR LAWRENCE)  
WACKETT'S UNIT AT COCKATOO ISLAND DOCKYARD, 1928–33 C3560****Quantity: 0.18 metres**

For more information about this series, see Chapter 4.

**PHOTOGRAPH ALBUM DEPICTING ACTIVITIES AT COCKATOO ISLAND, BY 1935–36  
M3409****Quantity: 0.45 metres**

Each page of this album contains a single large photograph, with a hand-printed black ink label underneath. Only two are dated: 28 March 1935 and 28 March 1936. The photographs, taken by Mr Alan Evans, depict heavy machinery; panoramic and aerial views of the island; and ships at sea, under construction, in or entering dock, and being launched.

**FOLDER OF PHOTOGRAPHS OF MARINE SWITCHBOARDS, 1936–50****M3275****Quantity: 0.09 metres**

For more information about this series, see Chapter 5.

**NEGATIVES OF ELECTRICAL FITTING BLUEPRINTS, 1937–42****M3602****Quantity: 0.18 metres**

This series contains black and white negatives of blueprints and specifications of light fittings for various ships. The blueprints are of fuse boxes, navigation lights and safety switches and give the number used for each pattern.

**MISCELLANEOUS NEGATIVES AND TRANSPARENCIES, C1940–80****M3661****Quantity: 2.52 metres**

This series consists of negatives, transparencies and some prints and depicts a wide range of subjects. Included amongst these are aerial views of, and various locations on, Cockatoo Island and ships, both naval and merchant, as well as submarines, built, refitted or repaired at the dockyard. Some historical prints, including one of HMS *Calliope* (1886) and the American fleet in Sydney (1908), are included.

The negatives and transparencies are mainly 35mm black and white, with some colour film, largely of HMAS *Success*.

**PHOTOGRAPHS OF VARIOUS SUBMARINES, C1914–87****M3659****Quantity: 0.18 metres**

These photographs depict external and internal views of a variety of submarines.

**J class submarine battery, 1921      M3659, 1****Submarine AE1 off Fitzroy Dock, 1914      M3659, 20****PHOTOGRAPHS, 1949–77****M2679****Quantity: 1.44 metres**

This series of photographs covers many subjects including events or occasions on Cockatoo Island, interiors of ships, ships worked on at Cockatoo Island Dockyard, parts of machines and ships, accident scenes, interiors of workshops, repairs to ships and wharves, aerial photographs of the island, employees, visitors to the island and Navy personnel.

Some photos have been removed for security reasons, some by employees, and others to make up 'Archives Files' (C3298) assembled by dockyard staff.



**NEGATIVES, 1949–77****M2680****Quantity: 2.97 metres**

This series of negatives covers many subjects including interiors of ships, ships worked on at Cockatoo Island Dockyard, parts of machines and ships, accident scenes, interiors of workshops, repairs to ships, wharves, aerial views of the island, and Navy and dockyard personnel.

Related to this series are the corresponding prints of these negatives (M2679), 'Archives Files' where dockyard staff collected many of the prints (C3298), and the controlling register (M2694).

**CINE FILMS, 1958–84****M3285****Quantity: 0.90 metres**

This series consists of a mixed collection of thirteen reels of cine film held at Cockatoo Island Dockyard. Several films, relating to vessels constructed at Cockatoo Island, have been taken at the dockyard, while others have been made elsewhere, including overseas.

Most are in 16mm format, one is 35mm. Some have accompanying sound.

**BOOKLET OF PHOTOGRAPHS OF MARINE TYPE SWITCHBOARDS, 1960–90****M3258****Quantity: 0.09 metres**

This series consists of an undated booklet containing photographs of Crompton Parkinson marine type switchboards. The booklet was part of a collection of records in the Electrical Drawing Office at Cockatoo Island Dockyard.

**MOUNTED PHOTOGRAPHS, 1970–88****M3131****Quantity: 0.30 metres**

These are miscellaneous photographs mounted on board or pressed foam, probably for publicity or promotion purposes. Subjects depicted range from vessels, operations and facilities at the dockyard to other topics indirectly connected with Cockatoo Island.

**PRINTS OF PHOTOGRAPHS, 1979–90****M2669****Quantity: 1.08 metres**

This series of prints relate to technical and personnel activities on Cockatoo Island Dockyard.

**TRANSPARENCIES AND NEGATIVES OF PHOTOGRAPHS, 1979–90****M2676****Quantity: 1.89 metres****ALBUM OF COLOUR PHOTOGRAPHS OF MACHINERY, 1991****M3212****Quantity: 0.02 metres**

This album contains coloured photographs of machinery located on Cockatoo Island. Items depicted were considered to have heritage value at the time of the closure of the dockyard, and a commercial bureau was engaged for the project. Included among the photographs are cranes, benders, lathes, presses, rolls, cutters, hoists and other heavy machines.

**COLOUR PHOTOGRAPHIC PRINTS OF MACHINERY, 1991****M3214****Quantity: 0.18 metres**

These 182 colour prints are larger prints of photographs in M3212.

**FOLDER OF PHOTOGRAPHIC COLOUR NEGATIVES OF MACHINERY, 1991  
M3213****Quantity: 0.09 metres**

These negatives relate to prints held in M3212 and M3214. See M3212 above for further information.

**Control records**

Several series of control records related to photographs are held. These consist of registers and indexes which may be useful in identifying photographs of particular interest.

**REGISTERS TO NEGATIVES AND PHOTOGRAPHS, 1949–79****M2694****Quantity: 0.18 metres**

The extant portion of this series consists of five registers to negatives and prints of photographs taken at Cockatoo Island Dockyard between 1957 and 1977. However, there are extant negatives dating from 1949, indicating that an earlier register existed previously.

**REGISTER AND INDEX TO PHOTOGRAPHS OF SUBMARINE HMS *TABARD*, 1964  
M3270**

**Quantity: 0.18 metres**

For more information about this series, see HMS *Tabard* in Chapter 3.

**REGISTER TO PRINTS AND NEGATIVES OF PHOTOGRAPHS, 1979–90 M2668**

**Quantity: 0.18 metres**

**SUBJECT INDEX CARDS TO THE NEGATIVES AND PRINTS OF PHOTOGRAPHS, 1979–90  
M3024**

**Quantity: 0.36 metres**

**NAME INDEX CARDS TO THE NEGATIVES AND PRINTS OF PHOTOGRAPHS, 1979–90  
M3025**

**Quantity: 0.36 metres**

# 11 Publications

Various publications were included among records at the dockyard. These range from technical publications to reports and newspaper cuttings about dockyard activities and copies of a staff bulletin. They reflect different aspects of the history of Cockatoo Island Dockyard.

**PRESS CUTTINGS BOOK, 1912–13****C5027****Quantity: 0.09 metres**

This series consists of a book containing numerous newspaper articles relating to Cockatoo Island itself and specific vessels. These include the dredge *John Stewart*, the destroyer *Warrego* and the English boat *Leviathan*. There are also articles concerning the proposed construction of a dock area at Newcastle, the establishment of a State Government Engineering Centre on Walsh Island, Newcastle and the manufacture of iron pipes for the NSW State Government. This series was compiled during the dockyard's transition from state to federal control.

**DAILY PRESS CUTTINGS BOOK, 1914–16****C3555****Quantity: 0.45 metres**

This series consists of pasted cuttings from the *Sydney Morning Herald* and the Commonwealth of Australia *Gazette*.

**VOLUMES OF NEWSPAPER CUTTINGS, 1921–83****C3580****Quantity: 0.63 metres****VOLUME OF CUTTINGS RELATING TO SHIPBUILDING FROM 'FAIRPLAY' MAGAZINE, 1924–25****C3439****Quantity: 0.18 metres****COPIES OF 'ENGINEERING: AN ILLUSTRATED WEEKLY JOURNAL', 1930–34****C3533****Quantity: 0.90 metres**

This series consists of copies of *Engineering*, an illustrated weekly journal which was published in London.

**PUBLICATIONS, 1933–91****M3132****Quantity: 0.18 metres**

This series consists of various publications held at Cockatoo Island Dockyard, dated between 1933 and 1991, with several leaflets being undated. Most items were produced by the dockyard, but a few are publications about the dockyard – for example, a history of Cockatoo Island by R G Parker, and several papers from the Royal Institution of Naval Architects relating to the operations of the dockyard. Also included are several annual reviews of the operations of Cockatoo Island Dockyard, a booklet concerning its wartime activities between 1939 and 1945, company profiles and publicity material on the completion of HMAS *Success*, the auction catalogue at the closure of the dockyard, and publications relating to other activities of the dockyard.

Apart from the history, which is a book, items consist of booklets, reprints of articles and leaflets.

**TECHNICAL JOURNALS, 1946–53****M2735****Quantity: 0.72 metres**

This series consists of technical journals published by the Commonwealth of Australia. The majority of items are copies of *Technical Service to Industry*, published by the Secondary Industries Division within the Ministry of Post-War Reconstruction. Other agencies represented were the Division of Industrial Development within the Department of Post-War Reconstruction and the Industrial Welfare Division of the Department of Labour and National Service.

The journals investigate reports on German and Japanese industrial techniques. Each journal contains a forward, table of contents and reports accompanied by photographs, drawings, maps and figures.

**Abstracts of reports on German and Japanese industry, 1947** **M2735, 1**

**Manufacture of cylinders and pressure vessels in Germany by the hot spinning method, 1950** **M2735, 69**

**‘BILOELA BULLETIN’, 1978–91****M3112****Quantity: 0.18 metres**

This series consists of the occasional news sheet, *Biloela Bulletin*, which was circulated by the management to employees at Cockatoo Island Dockyard. The *Bulletin* covered various topics of interest to employees.

This set, from the Planning Department, has handwritten contents sheets, indicating the subjects of each *Bulletin*, stapled to each issue.

**REPORTS PRODUCED BY VICKERS SHIPBUILDING GROUP LIMITED AND VICKERS  
COCKATOO DOCKYARD PTY LTD, 1980-81 M3080**

**Quantity: 0.18 metres**

Reports in this series consist of feasibility studies for various submarine construction projects.



Cockatoo Island Dockyard apprentices, 1940.  
NAA: C4151, 17

# Appendixes

## Appendix 1 Alphabetical list of vessels built or refitted at Cockatoo Island Dockyard 1912-91

This appendix lists the vessels built at the dockyard between 1912 and 1991, together with those other projects that were allocated a 'ship' or job number in the 0 to 300 range by the dockyard. These projects include the manufacture of main machinery for ships built at the dockyard or at other shipyards in Australia and the refit or modernisation of ships or submarines. They do not include vessels which were merely maintained or serviced at the dockyard. This material is based on a list compiled by J C Jeremy in 1991, a copy of which is held by the Archives as M3081. The dockyard completed many other jobs and refits, and a more complete list can be found in *Cockatoo Island: Sydney's Historic Dockyard* by John Jeremy, published by UNSW Press, 1998.

Ship name	Type of vessel	Ship or job number	Date completed
<b>Adelaide</b>	Town class cruiser (RAN)	44	1922
<b>Adelaide</b>	Town class cruiser, modernisation (RAN)	124	1939
<b>Aedes</b>	Motor launch (Department of Health)	110	1931
<b>Albatross</b>	Seaplane carrier (RAN)	106	1928
<b>Anzac</b>	Machinery for <i>Anzac</i> , Battle class destroyer (RAN)	186	c. 1949
<b>Arunta</b>	Tribal class destroyer (RAN)	138	1942
<b>A S Mayne</b>	Bucket dredge (Melbourne Harbor Trust)	239	1977
<b>Australia</b>	Cruiser, modernisation (RAN)	130	1939
<b>AWL 304</b>	Aircraft water lighter (RAN)	230	1967
<b>Barcoo</b>	River class frigate (RAN)	163	1944
<b>Barwon</b>	River class frigate (RAN)	164	1946
<b>Bataan</b>	Tribal class destroyer (RAN)	148	1945
<b>Bathurst</b>	Minesweeper (RAN)	146	1940
<b>Bendigo</b>	Minesweeper (RAN)	150	1941
<b>Bengal</b>	Minesweeper (Indian Navy)	156	1942
<b>Biloela</b>	Double-ended passenger ferry (Cockatoo Island Dockyard)	36	1916
<b>Biloela</b>	Collier (RAN)	61	1920
<b>Breaksea Spit No. 1</b>	Non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	46	1917

<b>Breaksea Spit No. 2</b>	Non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	52	1917
<b>Brisbane</b>	Town class cruiser (RAN)	7	1916
<b>Bustler</b>	Steam tug (Cockatoo Island Dockyard)	38	1917
<b>Bustler</b>	Steel workboat (Cockatoo Island Dockyard)	240	1979
<b>CA5, CA6, CA7</b>	Control launches (Civil Aviation Board)	127	1939
<b>CA22–CA27</b>	Auxiliary launches (Civil Aviation Board)	128	1938
<b>CA41–CA47</b>	Dinghies (Civil Aviation Board)	129	1938
<b>Campaspe</b>	Frigate (RAN)	168	cancelled
<b>Canberra</b>	Modernisation (RAN)	140, 166	cancelled
<b>Cape Leeuwin</b>	Lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	101	1925
<b>Cape Otway</b>	Lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	109	1931
<b>Cape York</b>	Lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	102	1925
<b>Carpentaria No. 1</b>	Non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	47	1917
<b>Carpentaria No. 2</b>	Non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	55	1918
<b>Century Tire II</b>	Speedboat (Mr R Walder)	NN	1932
<b>Cessnock</b>	Minesweeper (RAN)	153	1942
<b>Cettien</b>	Speedboat (Mr H McEvoy)	NN	1932
<b>Changte</b>	Conversion to victualling supply ship (RN)	144	1939
<b>Clifton</b>	Fast ferry (private ownership)	NN	1933
<b>CND2</b>	Bucket dredger (Navigation Branch, Commonwealth Department of Trade and Customs)	33	1915
<b>Codock</b>	Steam-driven lighter (Cockatoo Island Dockyard)	105	1926
<b>Codock Jnr.</b>	Motor launch (Cockatoo Island Dockyard)	121	1938
<b>Condamine</b>	River class frigate, fitting out (RAN)	179	cancelled



<b>CSL 01</b>	Crane/stores lighter (RAN)	234	1972
<b>CSL 02</b>	Crane/stores lighter (RAN)	235	1972
<b>CSL 03</b>	Crane/stores lighter (RAN)	236	1972
<b>Dorlongco</b>	Barge (Dorman Long & Co.)	107	1926
<b>Dundula</b>	Cargo ship, Isherwood Ship No. 6 (Commonwealth Line)	NN	1919
<b>Empress of Australia</b>	Passenger vehicle ship (Australian National Line)	220	1965
<b>Eudunda</b>	Cargo ship, Isherwood Ship No. 35 (Commonwealth Line)	NN	1920
<b>Ferndale</b>	Refrigerated cargo steamer, Ship No. 48 (Commonwealth Line)	NN	1924
<b>Fitzroy</b>	Motor launch (Cockatoo Island Dockyard)	NN	1928
<b>Fordsdale</b>	Refrigerated cargo steamer, Ship No. 47 (Commonwealth Line)	NN	1924
<b>Glenelg</b>	Minesweeper (RAN)	157	1942
<b>Goulburn</b>	Minesweeper (RAN)	149	1941
<b>Gresswell</b>	Steel steam launch (Commonwealth Department of Trade and Customs)	21	1915
<b>Hercules</b>	Bucket dredger (Sydney Harbour Trust)	23	1915
<b>Hinton</b>	Steam tug (NSW Government)	118	1936
<b>Huon</b>	Torpedo boat destroyer (RAN)	4	1916
<b>Kangaroo</b>	Boom defence vessel (RAN)	141	1940
<b>Karang</b>	Boom defence vessel (RAN)	151	1941
<b>Koala</b>	Boom defence vessel (RAN)	135	1940
<b>Kookaburra</b>	Boom defence vessel (RAN)	126	1939
<b>Koree</b>	Target towing launch (RAN)	136	1940
<b>Madras</b>	Minesweeper (Indian Navy)	155	1942
<b>Mombah</b>	Coal storage vessel (RAN)	65	1923
<b>Moonbi</b>	Motor launch (Commonwealth Department of Trade and Customs)	32	1920
<b>Moreton Bay</b>	Steamer, conversion to armed merchant cruiser (RN)	143	1939
<b>Namoi</b>	River class frigate (RAN)	168	cancelled
<b>No. 2 Pontoon</b>	Ferry pontoon (Cockatoo Island Dockyard)	NN	1916
<b>No. 77</b>	Steel dumb hopper barge (Harbours & Rivers Office, NSW Government)	133	1939
<b>No. 78</b>	Steel dumb hopper barge (Harbours & Rivers Office, NSW Government)	134	1939
<b>OFL 1</b>	Oil fuel lighter (RAN)	contract	1916
<b>OFL 2</b>	Oil fuel lighter (RAN)	contract	1916

<b>OFL 3</b>	Oil fuel lighter (RAN)	contract	1916
<b>OFL 4</b>	Oil fuel lighter (RAN)	contract	1916
<b>Parramatta</b>	Grimsby class sloop (RAN)	131	1940
<b>Parramatta</b>	Type 12 anti-submarine frigate (RAN)	199	1961
<b>Parramatta Wharf</b>	Ferry pontoon (Cockatoo Island Dockyard)	NN	1915
<b>Protector</b>	Fast combat support ship (AOE)	238	cancelled
<b>Quadrant</b>	'Q' class destroyers, equipment and preparation for modernisation (RAN). See <i>Quality</i> .		
<b>Quality</b>	'Q' class destroyer modernisation and conversion (RAN)	197	cancelled
<b>Queenborough</b>	'Q' class frigate, modernisation and conversion (RAN)	195	1954
<b>Quiberon</b>	'Q' class frigate, modernisation and conversion (RAN)	196	1957 (by Garden Island)
<b>Quickmatch</b>	'Q' class destroyers, equipment and preparation for modernisation (RAN)		
<b>Ragleth</b>	Motor launch (RAN)	50	1916
<b>River Clarence</b>	'A' class cargo steamer (Australian Shipbuilding Board)	159	1943
<b>River Hunter</b>	'A' class cargo steamer (Australian Shipbuilding Board)	160	1946
<b>Ruby</b>	Steam launch (Cockatoo Island Dockyard)	NN	1915
<b>Sans Pareil</b>	Motor launch (Cockatoo Island Dockyard)	NN	1916
<b>Shell 23</b>	Oil lighter (Shell Company of Australia)	122	1938
<b>Shell 24</b>	Twin screw diesel tug (Shell Company of Australia)	123	1938
<b>Shoalhaven</b>	River class frigate, fitting out (RAN)	178	cancelled
<b>SD3201</b>	Slave dock (RAN)	237	1974
<b>ST17</b>	Tug (US Army), fitting out	175	1943
<b>Stalwart</b>	Escort maintenance ship (RAN)	221	1968
<b>Stuart</b>	Type 12 anti-submarine frigate (RAN)	200	1963
<b>Success</b>	Fleet Underway Replenishment ship (RAN)	242	1986
<b>Swan</b>	Torpedo boat destroyer (RAN)	6	1916
<b>Swan</b>	Grimsby class sloop (RAN)	115	1936
<b>Swan</b>	Fittings, destroyer escort (RAN)	225	1970
<b>Sydney</b>	Steam launch (Cockatoo Island Dockyard)	112	1934
<b>Sydney</b>	Modernisation (RAN)	142	cancelled

<b>Tabard</b>	Submarine, refit (RAN)	205–8, 215–17	1962 1965
<b>Taciturn</b>	Submarine, refit (RAN)	212–14	1964
<b>Titan</b>	Floating crane (Cockatoo Island Dockyard)	57	1919
<b>Tobruk</b>	Battle class destroyer (RAN)	185	1950
<b>Torrens</b>	Torpedo boat destroyer (RAN)	5	1916
<b>Torrens</b>	Destroyer escort (RAN)	224	1971
<b>Torrens</b>	Fittings, destroyer escort (RAN)	225	1971
<b>Trump</b>	Submarine, refit (RAN)	209–11 226–8	1963 1966
<b>Vampire</b>	Daring class destroyer (RAN)	189	1959
<b>Vampire</b>	Main machinery (RAN)	190	c. 1956
<b>Vendetta</b>	Main machinery (RAN)	190	c. 1954
<b>Vickdock 30</b>	Floating dock (Cockatoo Island Dockyard)	241	1980
<b>Vigilant</b>	Patrol vessel (Commonwealth Department of Trade and Customs)	120	1938
<b>Vivian</b>	Wood diesel tug (Sydney Ferries Limited)	116	1937
<b>Voyager</b>	Daring class destroyer (RAN)	188	1957
<b>Voyager</b>	Main machinery (RAN)	190	c. 1952
<b>Wadjemup</b>	Target towing launch (RAN)	137	1939
<b>Warang</b>	Steam tug (Waratah Tug & Salvage Co.)	119	1936
<b>Waratah</b>	Steam-driven lighter (RAN)	51	1918
<b>Waree</b>	Steam tug (Waratah Tug & Salvage Co.)	125	1939
<b>Warramunga</b>	Tribal class destroyer (RAN)	139	1942
<b>Warrego</b>	Grimsby class sloop (RAN)	132	1940
<b>Waterhen</b>	Main machinery (RAN)	190	cancelled
<b>Wattle</b>	Steam tug (RAN)	111	1934
<b>Wimmera</b>	Frigate (RAN)	169	cancelled
<b>Wollondilly</b>	River class frigate (RAN)	167	cancelled
<b>Wollongong</b>	Minesweeper (RAN)	152	1941
<b>Wonga</b>	Steam tug (Waratah Tug & Salvage Co.)	191	1949
<b>Wonga</b>	Boilers (Waratah Tug & Salvage Co.)	183	cancelled
<b>Yarra</b>	Grimsby class sloop (RAN)	114	1935
<b>Yelta</b>	Steam tug (Adelaide Steamship Co.)	192	1949

UNNAMED VESSELS OR JOBS			
Ship name	Type of vessel	Ship or job number	Date completed
<b>Ammunition barge</b>	Ammunition barge (RAN)	60	1918
<b>Boilers</b>	Boilers for corvettes/ minesweepers (RAN)	147, 154	c. 1940
<b>Boilers</b>	Boilers for River class frigates (RAN)	165	c. 1943
<b>Caisson</b>	No. 1 Slipway (Cockatoo Island Dockyard)	NN	1915
<b>Caisson</b>	Fitzroy Dock (Cockatoo Island Dockyard)	NN	1932
<b>Cattle barge</b>	Cattle barge (Commonwealth Quarantine Service, New South Wales)	contract	1913
<b>Crane pontoon</b>	Crane pontoon (Maritime Services Board of NSW)	204	1957
<b>Flat top lighters</b>	60101–60121, flat top lighters (RAN)	231–2	1971
<b>Floating workshop barge</b>	Floating workshop barge (Cockatoo Island Dockyard)	103	1925
<b>Hopper barge</b>	Hopper barge (Cockatoo Island Dockyard)	104	c. 1925
<b>Lentz engines</b>	Lentz engines for 'D' class standard merchant ships (Australian Shipbuilding Board)	172	c. 1943
<b>Loam punt</b>	Loam punt (Cockatoo Island Dockyard)	NN	1915
<b>Machinery</b>	Type 12 anti-submarine frigates, main machinery (RAN)	202, 203	1961
<b>Machinery</b>	Type 12 destroyer escorts, main machinery (RAN)	223	1968
<b>Motor boat</b>	Motor boat (RAN)	NN	1922
<b>Motor launch</b>	Motor launch (RAN)	62–3	1919
<b>Naval ordnance lighter</b>	Navy ordnance lighter (RAN)	35	1915
<b>Ocean-going tugs</b>	Ocean-going tugs (Australian Shipbuilding Board)	180–2	cancelled
<b>Oil lighter</b>	Oil lighter (Cockatoo Island Dockyard)	37	1915
<b>Oxygen barge</b>	Oxygen barge (Cockatoo Island Dockyard)	NN	1979
<b>Steam cutter</b>	Steam cutter (RAN)	NN	1916
<b>Steam turbines</b>	Steam turbines for 'A' class cargo steamers (RAN)	161	c. 1943

## Appendix 2 Numerical list of vessels built or refitted at Cockatoo Island Dockyard 1912-91

This appendix lists the vessels built at the dockyard between 1912 and 1991, together with those other projects that were allocated a 'ship' or job number in the 0 to 300 range by the dockyard. These projects include the manufacture of main machinery for ships built at the dockyard or at other shipyards in Australia and the refit or modernisation of ships or submarines. This material is based on a list compiled by J C Jeremy in 1991, a copy of which is held by the Archives as M3081. The dockyard completed many other jobs and refits, and a more complete list can be found in *Cockatoo Island: Sydney's Historic Dockyard* by John Jeremy, published by UNSW Press, 1998.

Please note that not all job numbers were allocated to ship construction. Some were allocated to design jobs, machinery manufacture, conversions, modernisations, refits, or to construction work which was later cancelled. In these cases, the 'Date laid down' and 'Date completed' columns may not be relevant.

Before 1924 numbers were allocated by Navy Office Melbourne (except for small craft built on other job numbers or ships allocated class numbers, such as Dundula, Eudunda, Fordsdale and Ferndale which had numbers allocated by the Commonwealth Shipping Board), and therefore numbers were not continuous. From ship number 101 (Cape Leeuwin), numbers were allocated in sequence.

Records are not held for all listed vessels.

Abbreviations: NN = No number; NK = Not known; NA = Not applicable.

Ship/Job Number	Name/Type of Vessel	Date laid down	Date completed
<b>[Built by contract]</b>	Cattle barge (Commonwealth Quarantine Service, New South Wales)	1912	1913
<b>[Built by contract]</b>	OFL 1, oil fuel lighter (RAN)	1913	1916
<b>[Built by contract]</b>	OFL 2, oil fuel lighter (RAN)	1913	1916
<b>[Built by contract]</b>	OFL 3, oil fuel lighter (RAN)	1914	1916
<b>[Built by contract]</b>	OFL 4, oil fuel lighter (RAN)	1914	1916
<b>NN</b>	Warrego, torpedo boat destroyer (RAN)	1910	1912
<b>4</b>	Huon, torpedo boat destroyer (RAN)	1913	1916
<b>5</b>	Torrens, torpedo boat destroyer (RAN)	1913	1916
<b>6</b>	Swan, torpedo boat destroyer (RAN)	1915	1916
<b>7</b>	Brisbane, Town class cruiser (RAN)	1913	1916
<b>21</b>	Gresswell, steel steam launch (Commonwealth Department of Trade and Customs)	1913	1915

<b>23</b>	<i>Hercules</i> , bucket dredger (Sydney Harbour Trust)	1913	1915
<b>NN</b>	Caisson, No. 1 Slipway (Cockatoo Island Dockyard)	1915	1915
<b>NN</b>	<i>Ruby</i> , steam launch (Cockatoo Island Dockyard)	1915	1915
<b>NN</b>	Loam punt (Cockatoo Island Dockyard)	1915	1915
<b>32</b>	<i>Moonbi</i> , motor launch (Commonwealth Department of Trade and Customs)	1915	1920
<b>33</b>	<i>CND2</i> , bucket dredger (Navigation Branch, Commonwealth Department of Trade and Customs)	1914	1915
<b>35</b>	Naval ordnance lighter (RAN)	1915	1915
<b>36</b>	<i>Biloela</i> , double-ended passenger ferry (Cockatoo Island Dockyard)	1915	1916
<b>37</b>	Oil lighter (Cockatoo Island Dockyard)	1915	1915
<b>38</b>	<i>Bustler</i> , steam tug (Cockatoo Island Dockyard)	1916	1917
<b>NN</b>	Ferry pontoon, Parramatta Wharf (Cockatoo Island Dockyard)	1915	1915
<b>NN</b>	<i>Sans Pareil</i> , motor launch (Cockatoo Island Dockyard)	1915	1916
<b>NN</b>	No. 2 Pontoon, ferry pontoon (Cockatoo Island Dockyard)	1915	1916
<b>44</b>	<i>Adelaide</i> , Town class cruiser (RAN)	1917	1922
<b>46</b>	<i>Breaksea Spit No. 1</i> , non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1916	1917
<b>47</b>	<i>Carpentaria No. 1</i> , non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1916	1917
<b>NN</b>	Steam cutter (RAN)	1916	1916
<b>50</b>	<i>Ragleth</i> , motor launch (RAN)	1916	1916
<b>51</b>	<i>Waratah</i> , steam-driven lighter (RAN)	1917	1918
<b>52</b>	<i>Breaksea Spit No. 2</i> , non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1916	1917
<b>55</b>	<i>Carpentaria No. 2</i> , non-propelled lightship (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1917	1918
<b>57</b>	<i>Titan</i> , floating crane (Cockatoo Island Dockyard)	1917	1919
<b>60</b>	Ammunition barge (RAN)	1917	1918
<b>61</b>	<i>Biloela</i> , collier (RAN)	1918	1920
<b>62</b>	Motor launch (RAN)	1919	1919

<b>63</b>	Motor launch (RAN)	1919	1919
<b>NN</b>	<i>Dundula</i> , cargo ship, Isherwood Ship No. 6 (Commonwealth Line)	1918	1919
<b>NN</b>	<i>Eudunda</i> , cargo ship, Isherwood Ship No. 35 (Commonwealth Line)	1919	1920
<b>NN</b>	Motor boat (RAN)	1919	1922
<b>65</b>	<i>Mombah</i> , coal storage vessel (RAN)	1920	1923
<b>NN</b>	<i>Fordsdale</i> , refrigerated cargo steamer, Ship No. 47 (Commonwealth Line)	1922	1924
<b>NN</b>	<i>Ferndale</i> , refrigerated cargo steamer, Ship No. 48 (Commonwealth Line)	1923	1924
<b>101</b>	<i>Cape Leeuwin</i> , lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1924	1925
<b>102</b>	<i>Cape York</i> , lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1924	1925
<b>103</b>	Floating workshop barge (Cockatoo Island Dockyard)	NK	1925
<b>104</b>	Hopper barge (Cockatoo Island Dockyard)	NK	c. 1925
<b>105</b>	<i>Codock</i> , steam-driven lighter (Cockatoo Island Dockyard)	1925	1926
<b>106</b>	<i>Albatross</i> , seaplane carrier (RAN)	1926	1928
<b>107</b>	<i>Dorlongco</i> , barge (Dorman Long & Co.)	1925	1926
<b>108</b>	Number reserved for Bunnerong Power Station plant (New South Wales Government)	NA	cancelled
<b>NN</b>	<i>Fitzroy</i> , motor launch (Cockatoo Island Dockyard)	1928	1928
<b>109</b>	<i>Cape Otway</i> , lighthouse steamer (Commonwealth of Australia, Lighthouse Branch, Sydney Headquarters)	1930	1931
<b>110</b>	<i>Aedes</i> , motor launch (Commonwealth Department of Health)	1931	1931
<b>NN</b>	Caisson, Fitzroy Dock (Cockatoo Island Dockyard)	1931	1932
<b>NN</b>	<i>Century Tire II</i> , speedboat (Mr R Walder)	1932	1932
<b>NN</b>	<i>Cettien</i> , speedboat (Mr H McEvoy)	1932	1932
<b>NN</b>	<i>Clifton</i> , fast ferry (private ownership)	1933	1933
<b>111</b>	<i>Wattle</i> , steam tug (RAN)	1933	1934
<b>112</b>	<i>Sydney</i> , steam launch (Cockatoo Island Dockyard)	1933	1934

113	Number reserved for Bunnerong Power Station (New South Wales Government)	NA	cancelled
114	<i>Yarra</i> , Grimsby class sloop (RAN)	1934	1935
115	<i>Swan</i> , Grimsby class sloop (RAN)	1935	1936
116	<i>Vivian</i> , wood diesel tug (Sydney Ferries Ltd)	1937	1937
117	Number reserved for Bunnerong Power Station, manufacture of condensers (New South Wales Government)	NA	cancelled
118	<i>Hinton</i> , steam tug (NSW Government)	1936	1936
119	<i>Warang</i> , steam tug (Waratah Tug & Salvage Co.)	1936	1936
120	<i>Vigilant</i> , patrol vessel (Commonwealth Department of Trade and Customs)	1937	1938
121	<i>Codock Jnr</i> , motor launch (Cockatoo Island Dockyard)	1937	1938
122	<i>Shell 23</i> , oil lighter (Shell Company of Australia)	1937	1938
123	<i>Shell 24</i> , twin screw diesel tug (Shell Company of Australia)	1938	1938
124	<i>Adelaide</i> , Town class cruiser, modernisation (RAN)	1938	1939
125	<i>Waree</i> , steam tug (Waratah Tug & Salvage Co.)	1938	1939
126	<i>Kookaburra</i> , boom defence vessel (RAN)	1938	1939
127	CA5, CA6, CA7, control launches (Civil Aviation Board)	1938	1939
128	CA22–CA27, auxiliary launches (Civil Aviation Board)	1938	1938
129	CA41–CA47, dinghies (Civil Aviation Board)	1938	1938
130	<i>Australia</i> , cruiser, modernisation (RAN)	1938	1939
131	<i>Parramatta</i> , Grimsby class sloop (RAN)	1938	1940
132	<i>Warrego</i> , Grimsby class sloop (RAN)	1939	1940
133	No. 77, steel dumb hopper barge (Harbours and Rivers Office, NSW Government)	1939	1939
134	No. 78, steel dumb hopper barge (Harbours and Rivers Office, NSW Government)	1939	1939
135	<i>Koala</i> , boom defence vessel (RAN)	1939	1940
136	<i>Koree</i> , target towing launch (Royal Australian Engineers, Department of Defence)	1939	1940
137	<i>Wadjemup</i> , target towing launch (Royal Australian Engineers, Department of Defence)	1938	1939
138	<i>Arunta</i> , Tribal class destroyer (RAN)	1939	1942



139	<i>Warramunga</i> , Tribal class destroyer (RAN)	1940	1942
140	<i>Canberra</i> , modernisation (RAN)	NA	cancelled
141	<i>Kangaroo</i> , boom defence vessel (RAN)	1939	1940
142	<i>Sydney</i> , cruiser, modernisation (RAN)	NA	cancelled
143	<i>Moreton Bay</i> , steamer, conversion to armed merchant cruiser (RN)	NA	1939
144	<i>Changte</i> , conversion to victualling supply ship (RN)	1939	1939
145	Number allocated to preparatory work for minesweepers (RAN)	NA	NA
146	<i>Bathurst</i> , minesweeper (RAN)	1940	1940
147	Boilers for minesweepers	NA	c. 1940
148	<i>Bataan</i> , Tribal class destroyer (RAN)	1942	1945
149	<i>Goulburn</i> , minesweeper (RAN)	1940	1941
150	<i>Bendigo</i> , minesweeper (RAN)	1940	1941
151	<i>Karang</i> , boom defence vessel (RAN)	1941	1941
152	<i>Wollongong</i> , minesweeper (RAN)	1941	1941
153	<i>Cessnock</i> , minesweeper (RAN)	1941	1942
154	Boilers for minesweepers	NA	c. 1942
155	<i>Madras</i> , minesweeper (Indian Navy)	1941	1942
156	<i>Bengal</i> , minesweeper (Indian Navy)	1941	1942
157	<i>Glenelg</i> , minesweeper (RAN)	1941	1942
158	Number allocated to preparatory work for 'A' class cargo steamers (RAN)	NA	-
159	<i>River Clarence</i> , 'A' class cargo steamer (Australian Shipbuilding Board)	1941	1943
160	<i>River Hunter</i> , 'A' class cargo steamer (Australian Shipbuilding Board)	1943	1946
161	Steam turbines for 'A' class cargo steamers (RAN)	NA	c. 1943
162	Number allocated to preparatory work for River class frigates (RAN)	NA	-
163	<i>Barcoo</i> , River class frigate (RAN)	1942	1944
164	<i>Barwon</i> , River class frigate (RAN)	1943	1946
165	Boilers for River class frigates (RAN)	NA	c. 1945
166	<i>Canberra</i> , modernisation (RAN)	NA	cancelled
167	<i>Wollondilly</i> , River class frigate (RAN)	NA	cancelled

168	<i>Namoi</i> , River class frigate (RAN)	NA	cancelled
169	<i>Wimmera</i> , frigate (RAN)	NA	cancelled
170	<i>Campaspe</i> , frigate (RAN)	NA	cancelled
171	Number allocated to design of a freighter (Australian Shipbuilding Board)	NA	NA
172	Lentz engines for 'D' class standard merchant ships (Australian Shipbuilding Board)	NA	c. 1943
173	Number allocated to design of a 'C' class freighter (Australian Shipbuilding Board)	NA	NA
175	<i>ST17</i> , tug, fitting out (US Army)	1941	1943
176	Number allocated to design of a 'B' class freighter (Australian Shipbuilding Board)	NA	NA
177	Number allocated to design and preparatory work for ocean going tugs (Australian Shipbuilding Board)	NA	NA
178	<i>Shoalhaven</i> , River class frigate, fitting out (RAN)	NA	cancelled
179	<i>Condamine</i> , River class frigate, fitting out (RAN)	NA	cancelled
180	Ocean-going tug (Australian Shipbuilding Board)	1945	cancelled
181	Ocean-going tug (Australian Shipbuilding Board)	1945	cancelled
182	Ocean-going tug (Australian Shipbuilding Board)	1945	cancelled
183	Boilers for 180-182 cancelled but used for <i>Wonga</i> , <i>Yelta</i> (Waratah Tug & Salvage Co., Adelaide Steamship Company)	NA	c. 1945
184	Number allocated to preparatory work for Battle class destroyers (RAN)	NA	NA
185	<i>Tobruk</i> , Battle class destroyer (RAN)	1946	1950
186	<i>Anzac</i> , Battle class destroyer, machinery (RAN)	NA	NA
187	Number allocated to preparatory work for Daring class destroyers (RAN)	NA	NA
188	<i>Voyager</i> , Daring class destroyer (RAN)	1949	1957
189	<i>Vampire</i> , Daring class destroyer (RAN)	1952	1959
190	<i>Voyager</i> , <i>Vampire</i> , <i>Vendetta</i> , <i>Waterhen</i> , Daring class destroyers, turbines and boilers (RAN)	NA	c. 1956
191	<i>Wonga</i> , steam tug (Waratah Tug & Salvage Co.)	1947	1949
192	<i>Yelta</i> , steam tug (Adelaide Steamship Company)	1947	1949
194	<i>Quadrant</i> and <i>Quickmatch</i> , equipment, and preparatory work for modernisation of 'Q' class destroyers (RAN)	NA	NA

<b>195</b>	<i>Queenborough</i> , 'Q' class frigate, modernisation and conversion (RAN)	NA	1954
<b>196</b>	<i>Quiberon</i> , 'Q' class frigate, modernisation and conversion (RAN)	NA	1957 (by Garden Island)
<b>197</b>	<i>Quality</i> , modernisation and conversion (RAN)	NA	cancelled
<b>198</b>	Number allocated to preparatory work for Type 12 anti-submarine frigates (RAN)	—	—
<b>199</b>	<i>Parramatta</i> , Type 12 anti-submarine frigate (RAN)	1957	1961
<b>200</b>	<i>Stuart</i> , Type 12 anti-submarine frigate (RAN)	1959	1963
<b>201</b>	Number reserved for FSA RAN 03 (RAN)	NA	cancelled
<b>202</b>	Type 12 anti-submarine frigates, main machinery (RAN)	NA	1961
<b>203</b>	Type 12 anti-submarine frigates, fittings (RAN)	NA	c. 1963
<b>204</b>	Crane pontoon (Maritime Services Board of NSW)	1957	1957
<b>205–208</b>	<i>Tabard</i> , submarine, refit (RAN)	NA	1962
<b>209–211</b>	<i>Trump</i> , submarine, refit (RAN)	NA	1963
<b>212–214</b>	<i>Taciturn</i> , submarine, refit (RAN)	NA	1964
<b>215–217</b>	<i>Tabard</i> , submarine, refit (RAN)	NA	1965
<b>220</b>	<i>Empress of Australia</i> , passenger vehicle ship (Australian National Line)	1962	1965
<b>221</b>	<i>Stalwart</i> , escort maintenance ship (RAN)	1964	1968
<b>222</b>	Number allocated to preparatory work for Type 12 destroyer escort (RAN)	NA	NA
<b>223</b>	Type 12 destroyer escorts, main machinery (RAN)	NA	1968
<b>224</b>	<i>Torrens</i> , destroyer escort (RAN)	1965	1971
<b>225</b>	<i>Torrens</i> , <i>Swan</i> , destroyer escorts, fittings (RAN)	NA	c. 1970
<b>226–228</b>	<i>Trump</i> , submarine, refit (RAN)	NA	1966
<b>230</b>	AWL 304, aircraft or water lighter (RAN)	1967	1967
<b>231</b>	Number allocated to preparatory work for flat top lighters (RAN)	NA	NA
<b>232</b>	60101–60121, twenty flat top lighters (RAN)	1971	1971
<b>233</b>	Number allocated to preparatory work for crane or stores lighters (RAN)	NA	NA
<b>234</b>	CSL 01, crane or stores lighter (RAN)	1972	1972
<b>235</b>	CSL 02, crane or stores lighter (RAN)	1972	1972

<b>236</b>	<i>CSL 03</i> , crane or stores lighter (RAN)	1972	1972
<b>237</b>	<i>SD3201</i> , slave dock (RAN)	1973	1974
<b>238</b>	<i>Protector</i> , fast combat support ship (AOE)	NA	cancelled
<b>239</b>	<i>A S Mayne</i> , bucket dredge (Melbourne Harbor Trust)	1975	1977
<b>NN</b>	Oxygen barge (Cockatoo Island Dockyard)	NA	1979
<b>240</b>	<i>Bustler</i> , steel workboat (Cockatoo Island Dockyard)	1978	1979
<b>241</b>	<i>Vickdock 30</i> , floating dock (Cockatoo Island Dockyard)	1979	1980
<b>242</b>	<i>Success</i> , Fleet Underway Replenishment ship (RAN)	1980	1986

### Appendix 3 Further reading

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*Cockatoo Docks War Record 1939–1945*, Cockatoo Docks and Engineering Company, Sydney, 1950.

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Wackett, Lawrence James, *Aircraft Pioneer*, Angus and Robertson, Sydney, 1972.

## Appendix 4 Guides to the collection

The National Archives of Australia creates and maintains guides to records in its collection to help researchers identify and locate records relevant to their research. These guides are available on the [National Archives' website](#).

## Appendix 5 Addresses and hours of opening

For contact details of the National Archives of Australia, see the National Archives of Australia [contact us page](#).