

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER  
PA  
SI-PHILA  
709B-

NAVAL BASE PHILADELPHIA - PHILADELPHIA NAVAL SHIPYARD,  
DRYDOCK NO. 2

League Island  
Philadelphia  
Philadelphia County  
Pennsylvania

HAER No. PA-387-B

All photographs by Jet Lowe, HAER staff photographer, Summer 1995.

- PA-387-B-1           VIEW NORTHWEST OF DRYDOCK NO. 2 AND PUMPHOUSE  
(BUILDING No. 2I), FROM ROOF OF 350-TON CRANE.
- PA-387-B-2           DRYDOCK NO. 2, VIEW NORTH FROM CAISSON;  
FOUNDRY/PROPELLER SHOP (HAER No. PA-387-O) IN  
BACKGROUND AND CRANE ALI38 AT LEFT.
- PA-387-B-3           VIEW NORTH-NORTHEAST OF DRYDOCK NO. 2 AND ITS  
PORTAL CRANES. MAIN CRANE, 50 LONG TONS  
CAPACITY/MAXIMUM HEIGHT 118'2", IS AT LEFT; WHIP CRANE,  
53 LONG TONS CAPACITY/MAXIMUM HEIGHT 173'8" IS AT  
CENTER; AUXILIARY CRANE, 15 LONG TONS  
CAPACITY/MAXIMUM HEIGHT 161'0" IS AT RIGHT. BUILDING  
AT LEFT IS THE TURRET SHED. THE VESSEL AT THE LOWER  
RIGHT OF THE PHOTOGRAPH IS A RECEIVING SHIP FORMERLY  
USED FOR PROCESSING AND TEMPORARY HOUSING OF NAVAL  
PERSONNEL.
- PA-387-B-4           VIEW NORTH AT NORTH END OF DRYDOCK NO. 2 WITH THE  
FOUNDRY/PROPELLER SHOP (HAER No. PA-387-O), IN  
BACKGROUND.
- PA-387-B-5           VIEW SOUTH FROM FLOOR OF DRYDOCK NO. 2 SHOWING KEEL  
SUPPORT BLOCKS.
- PA-387-B-6           VIEW NORTHWEST FROM FLOOR OF DRYDOCK NO. 2;  
FOUNDRY/PROPELLER SHOP IN BACKGROUND.
- PA-387-B-7           DETAIL VIEW OF NORTHEAST WALL CONSTRUCTION OF  
DRYDOCK NO. 2.
- PA-387-B-8           VIEW SOUTH-SOUTHWEST OF DRYDOCK NO. 2 CAISSON WITH

NAVAL BASE PHILADELPHIA-PHILADELPHIA NAVAL SHIPYARD,  
DRYDOCK No. 2  
HAER No. PA-387-B  
INDEX TO PHOTOGRAPHS  
(Page 2)

RECEIVING SHIP AND SHIP FS 2 IN BACKGROUND.

- PA-387-B-9 VIEW OF WHIP CRANE AL138 AT DRYDOCK NO. 2. THE MAXIMUM LOAD, MAIN HOOK IS 53 LONG TONS. AT A RADIUS OF 60-90 FEET THE MAXIMUM LOAD IS 40 LONG TONS. AT A RADIUS OF 90-110 FEET THE MAXIMUM LOAD IS 13 LONG TONS. THE CAPACITY OF THE WHIP HOOK IS 5 LONG TONS. THE STRUCTURE IN THE BACKGROUND IS THE SUPPORT FOR A GANTRY CRANE USED TO CONVEY GUN TURRETS FROM THE TURRET ASSEMBLY BUILDING TO A BARGE BASIN. AFTER LOADING ON A BARGE, THE TURRETS WOULD BE TOWED TO THE 350-TON CRANE ON PIER 4 AND LIFTED INTO POSITION ON A BATTLESHIP OR CRUISER.
- PA-387-B-10 VIEW EAST-NORTHEAST OF PUMP HOUSE FOR DRYDOCK NO. 2 (BUILDING 21).
- PA-387-B-11 VIEW NORTH-NORTHWEST OF TURRET SHED (BUILDING 56), AT RIGHT OF PHOTOGRAPH. ELECTRICAL AND ELECTRONICS FACILITY (BUILDING 1000) LOCATED SOUTH OF DRYDOCK NO. 2. THE GANTRY CRANE AND ITS SUPPORTING STRUCTURE (LEFT FOREGROUND) WAS USED TO LOAD ASSEMBLED GUN TURRETS ONTO BARGES MOORED IN THE BARGE BASIN UNDER THE GANTRY STRUCTURE. AFTER LOADING ON A BARGE THE TURRETS WOULD BE TOWED TO THE 350-TON CRANE ON PIER 4 AND LIFTED INTO POSITION ON A BATTLESHIP OR CRUISER.

\*See HAER No. PA-387 for photocopies of historic images.