

Reference Report for the USS Merrimack/CSS Virginia, from RG 19, Records of the Bureau of Ships:

<u>PLAN #</u>	<u>TITLE</u>	<u>OUTBOARD SECTION</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
3-4-20	PORTER	MAINDECK BLUEPRINT	1871 copy 1932 copy	1"=5'	25 x 81
5-1-37	Bowsprit & Jibboom Rigging		none	1"=8'	18" x 24"
27-14-23	Body		1854	1"=4'	13" x 16"
40-11-7A	Hold		1855	1"=4'	11" x 5'
40-11-7G	Inboard Profile (2 sections)		1854	1"=4'	15" x 3" 15" x 3'9"
40-11-7(D)	Outboard Profile & Sail Plan.		1854	1"=10'	26" x 3'3"
40-11-7J	Body Plan (Sheet 1 of 3)		1854	1"=4'	17" x 26"
40-11-7J	Sheer & Half Breadth (sheets 2 & 3)		1854	1"=4'	25" x 3'4" 25" x 3'5"
40-11-7K	Sheer, Halfbreadth, Body & Inboard Profile w/compartments.		1855	Bar Scale (linen)	25" x 8'
40-11-7L	Spar & Gun Decks		1855	1"=4'	27" x 6'
40-11-7M	Berth & Orlop Decks		1855	1"=4'	27" x 6'
78-8-19	After Hold (Lcb)		1883	1"=4'	14" x 28"
80-6-9	Boats, 1st Cutter, 1st & 2nd Launch		1855	1"=1'	20" x 36"
80-6-10	Boats, Barge, 1st & 2nd Whale Boats, 2nd & 3rd Cutters		1855	1"=1'	24" x 36"

The following are from Record Group 19, Bureau of Steam Engineering, Alphabetical File-Merrimack, Van Nostrand folder:

<u>PLAN #</u>	<u>TITLE</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
	Sectional View #22 (Inboard Profile)	1857	1/8"=1'	32" x 46"
	Boiler & Funnel #2	none	3/4"=1'	29" x 33"
	Engines & Cylinders	none	none	30" x 21"

Reference report for the USS Merrimack/CSS Virginia, Bureau of Steam Engineering, Alphabetical File-Merrimac, Van Nostrand folder (continued):

<u>PLAN #</u>	<u>TITLE</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
	Iron Work for Masts & Spars	none	1"=4'	25" x 20"
	Cylinder & Piston Rod	1854	specifi- cations on plan	24" x 36"
	Engines, top view	1854	1"=1'	33" x 20"

The following plans, #2 through #7, and #15, #16 and #17, are various details of the engine and related machinery. Plan numbers 8, 9, 10, 12 and 14 show the features noted; there are no plan numbers 11 or 13. All are from the Bureau of Steam Engineering, Alphabetical File-Merrimack, Folder #1.

#2		1855	specifi- cations on plan	36" x 28"
#4		1855	on plan	38" x 22"
#5		1855	on plan	27" x 31"
#6		1855	on plan	40" x 28"
#7		1855	on plan	27" x 38"
#8	Engine Valves	1855	on plan	25" x 39"
#9	Boiler Tubes	1855	on plan	26" x 38"
#10	Hand Gear	1855	on plan	25" x 38"
#12	Propeller	none	2"=1'	24" x 37"
#14	Cylinder Details	none	3"=1'	26" x 35"
#15		1855	on plan	28" x 38"
#16		1855	on plan	38" x 26"
#17		none	none	23" x 38"

The following plans show the ship as it appeared after being raised and renovated by the Confederate Navy:

174932	Outboard Profile, Deck & Cross Sections.	1862	1"=5'	25" x 7'
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SAME AS 3-4-202

LINEN 1932

30-10-62	Gun Deck	1861	1"=5'	18" x 38"
76-2-45	Gun Deck	1861	1"=5'	16" x 3'
81-12-2B	Outboard Profile	circa 1861	none	12" x 28"
<i>Alph. FLAT</i> <i>File Merrimack</i>	BSE Second Folder 9" Gun & Carriage	1861	1/10"=1"	24" x 18"

USS Merrimack continued:

The following plans are from RG 19, Bureau of Steam Engineering, Alphabetical File-Merrimack, Folder #2:

<u>PLAN #</u>	<u>TITLE</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
	Midship Hatch & Engine Foundation	none	1"=1'	30"x18"
1	Engine, End Elevation	1854	1"=1'	24"x18"
	Engine, Cylinders etc.	none	3/4"=1'	31"x19"
	Boiler	1854	3/4"=1'	32"x18"
2	Front Elevation & Cross Section through Cylinder	1854	1"=1'	24"x34"
	Cross Section through Air Pump & Condenser	1854	1"=1'	19"x34"
	Hoisting Gear	1854	3/4"=1'	32"x23"
	Boiler supports	1854	3/4"=1'	17"x27"
	Propeller & Well	none	none	22"x30"
	Propeller & Well, Drawing # 3	none	3/4"=1'	30"x28"
8-Y-5	Propeller, Working Drawing for Shop Use	none	2"=1'	25"x36"
	Proposed Reverse Gear (drawing is very faint)	1856	1 1/2"=1'	13"x15"

Reference report for the USS Merrimack, Folder #2, Bureau of Steam Engineering, Alphabetical File, Record Group 19 (continued):

<u>PLAN #</u>	<u>TITLE</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
	Gear, location unknown	none	none	14" x 18"
	Spring Bearing, Drawing # 6	1854	1/4"=1'	12" x 13"
	Truss Pillow Block	1854	2"=1'	10" x 24"
	Foot & Delivery Valves	1854	full size	23" x 28"
	Main Valve Eccentric Strap	1859	3"=1'	18" x 19"
	Cylinder & Crank Shaft	1856	2"=1'	30" x 38"

The following plan is from Record Group 74, Naval Bureau of Ordnance, Red Series:

<u>PLAN#</u>	<u>TITLE</u>	<u>DATE</u>	<u>SCALE</u>	<u>SIZE</u>
297	Carriage for U.S. Naval 9 inch Shell Gun for the Steam- Frigate Merrimack	1855; corrected in 1860	?	15" x 27"