

## Sail ships of the line (2nd class, 100 guns)

HERCULE class (launched 1836-54)

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Displacement:	4440t
Dimensions:	203ft 5in w <sub>l</sub> , 205ft 1in deck x 53ft 2in m <sub>ld</sub> , 54ft 11in ext x 25ft 1in mean, 26ft 2in max. Depth 23ft 6in
Same, meters:	<u>62.00, 62.50 x 16.20, 16.75 x 7.64, 7.97m. 7.17m</u>
Masts:	Main 68ft 9in x 3ft 6in; Fore 63ft 0in x 3ft 5in; Mizzen 60ft 4in x 2ft 4in. Sail area 3748 sq.yd.
Armament:	(Design) GD 32-30p No.1; UD 34-30p No.2; SD 30-30p carr., 4-18p. ( <u>Hercule</u> and <u>Jemmapes</u> 1837-41) GD 28-30p No.1, 4-22cm No.1 shell; UD 34-30p No.2; SD 30-30p carr., 4-16cm shell. ( <u>Hercule</u> and <u>Jemmapes</u> 1847) GD 24-30p No.1, 8-22cm No.1 shell; UD 26-30p No.2, 8-22cm No.2 shell; SD 22-30p carr., 4-16cm shell. ( <u>Tage</u> , <u>Duguay Trouin</u> , and <u>Turenne</u> 1854-55) GD 28-30p No.1, 4-22p No.1 shell; UD 30-30p No.2, 4-22cm No.2 shell; SD 22-30p carr., 4-16cm shell ( <u>Turenne</u> : SD 24-30p No.3).
Complement:	916

<u>Name</u>	<u>Builder</u>	<u>Laid down</u>	<u>Launched</u>	<u>Commiss.</u>	<u>Fate</u>
HERCULE	Toulon	6.24	29.7.36	1.5.37	Stk. 23.3.60
JEMMAPES	Lorient	26.4.25	20.4.40	16.10.40	Stk. 31.12.64
TAGE	Brest	26.8.24	15.4.47	1.3.54	Steam 1857
HENRI IV	Cherbourg	17.7.29	14.9.48	21.5.50	Lost 14.11.54
AUSTERLITZ	Cherbourg	17.4.32	--	--	Steam 1852
FLEURUS	Toulon	4.25	--	--	Steam 1853
ANNIBAL	Lorient	17.9.27	--	--	Steam 1853
DUGUAY TROUIN	Lorient	17.9.27	29.3.54	16.7.55	Steam 1857
TURENNE	Rochefort	13.6.27	15.4.54	24.5.54	Steam 1858
ULM	Rochefort	13.6.25	--	--	Steam 1854
WAGRAM	Lorient	23.2.33	--	--	Steam 1854
NAVARIN	Toulon	5.32	--	--	Steam 1854
EYLAU	Toulon	8.33	--	--	Steam 1856

**Class.** This type was designed by a commission along lines suggested by Baron Tupinier. It was to fill the gap between the new standard French battleship, the 90-gun Suffren type, and the 120-gun three-deckers. Its lines were scaled up from those of Sané's 80-gun ship, as were those of the Suffrens. The plans were completed in 4.24. The height of the lower battery above the water was 6ft 7in (2.00m). Early experience at sea with Hercule was favorable, but Jemmapes sailed badly, especially in bad weather and was too crowded on the spardeck. The revised armament of 1847 was part of the effort to correct these problems, which was generally successful. By this time, however, the class was judged to be too close to the three-deckers in size and cost to be worth repeating in future programs. Henri IV was one of the first French ships ordered with a rounded stern, and others were subsequently fitted with them during construction or conversion to steam.

Jemmapes, originally named Indomptable 14.10.24, was renamed Royal Charles 4.11.24 and Jemmapes 9.8.30. Fleurus, originally Briarée, was renamed Dauphin Royal in 1825 and Fleurus 9.8.30. Tage, originally Polyphème, was renamed Saint Louis 26.12.28 and Tage 1.12.32 after an 1831 victory in Portugal. Ulm, ex Lys, was renamed 9.8.30. Austerlitz, Wagram, and Eylau, originally Ajax, Bucentaure, and Eole respectively, were renamed 23.11.39. Annibal was renamed Prince Jérôme in 1854 while being converted to steam. Two more ships, Agamemnon and Hector, were among five line of battle ships scheduled to be begun at Brest in 1829 but cancelled in late 1828 before orders were placed. Navarin was originally planned as a 120-gunner to be begun in 1829 at a new facility at Brest (the Anse St. Nicolas) but was postponed 16.11.29 due to delays in completing the facility. Navarin, reassigned to Toulon, was ordered built as a 100-gunner 7.3.32 after the navy could not decide whether it wanted 30p carronades or 16cm shell guns on the upper decks of new 3-deckers.

**Disposals.** Hercule became a prison hulk at Brest and was BU 1875. Jemmapes became a barracks hulk and was BU 1889. Henri IV was blown ashore and lost in a storm at Eupatoria in the Crimea.