

Sail frigates (3rd class, 40 guns)

PSYCHE class (launched 1844-51)
 ALGERIE (launched 1848)
 CERES (converted 1857)
 RESOLUE (launched 1863)

PSYCHE class sail frigates (3rd class, 40)

Displacement:	1708t
Dimensions:	157ft 6in wl, 158ft 5in deck x 42ft 8in mld, 43ft 8in ext x 18ft 9in mean, 20ft 2in max. Depth 17ft 5in
Same, meters:	48.00, 48.29 x 13.00, 13.30 x 5.71, 6.15m. 5.30m
Masts:	As <u>Pénélope</u> . Sail area 2198 sq.yd.
Armament:	(<u>Psyché</u> 1846) GD 18-22cm No.2 shell, 4-30p No.2; SD 4-16cm shell, 4-30p No.2. (<u>Clorinde</u> designed 1844) GD 14-30p No.2, 8-22cm No.2 shell, 4-30p No.1; SD 4-16cm shell, 4-30p No.2
Complement:	327

Name	Builder	Laid down	Launched	Commiss.	Fate
PSYCHE	Brest	14.6.42	28.9.44	6.7.46	Stk. 15.7.67
CLORINDE	Cherbourg	5.1.43	19.8.45	--	Steam 1857
ISIS	Brest	3.8.46	29.7.51	26.3.55	Stk. 12.11.86
ARMORIQUE	Lorient	19.4.50	--	--	Steam 1862

Class. In 1843 Boucher prepared plans for two 3rd class frigates with an increased beam and a new arrangement of gun ports to accommodate the 40-gun armament of 30pdrs specified in 1838. He used the same plans, modified to accommodate a steam engine and screw propeller, for a third ship, Pomone. Two repeat sailing ships were subsequently added. The design provided for a height of battery of 6ft 11in. Psyché had her gun ports rearranged in 1845 for an experimental armament of large shell guns, which was to be compared with the more conventional armament planned for Clorinde and Pomone. Because of an error in drafting the plans, Isis was given Psyché's experimental gun port arrangement. Isis was commissioned as a transport during the Crimean war and never embarked her frigate armament. She later served as seagoing seamen's training ship, and when relieved by Résolue in 1877 she carried an armament of 8-14cm M1870 BLR.

Disposals. Psyché became a headquarters hulk and was BU 1875. Isis became a headquarters hulk at Cherbourg and was BU 1900.

ALGERIE sail frigate (3rd class, 40)

Displacement:	1725t
Dimensions:	158ft 4in wl, 162ft 5in deck x 42ft 8in mld x 18ft 5in mean. Depth 17ft 1in
Same, meters:	48.25, 49.50 x 13.00 x 5.62m. 5.20m
Masts:	As <u>Pénélope</u>
Armament:	(1849) GD 24-30p No.2, 2-22cm No.2 shell; SD 8-30p carr., 4-16cm shell, 2-30p No.2
Complement:	327

<u>Name</u>	<u>Builder</u>	<u>Laid down</u>	<u>Launched</u>	<u>Commiss.</u>	<u>Fate</u>
ALGERIE	Rochefort	26.10.44	4.3.48	23.3.49	Stk. 15.7.67

Class. In 1843 Rochefort asked to build this ship to use up some wood that was available there. Plans for her by Hubert, approved in 9.44, essentially duplicated those of Héliopolis with the beam increased by 40cm to accomodate an armament of 30pdrs.

Disposal. Algérie was BU 1867.

CERES sail frigate (3rd class, 40)

Displacement:	1757t
Dimensions:	157ft 6in wl x 42ft 8in mld x 18ft 8in mean
Same, meters:	48.00 x 13.00 x 5.70m
Masts:	As <u>Pénélope</u>
Armament:	(Designed) Probably similar to <u>Algérie</u> .
Complement:	327

<u>Name</u>	<u>Builder</u>	<u>Laid down</u>	<u>Launched</u>	<u>Commiss.</u>	<u>Fate</u>
CERES	Lorient	2.1.47	--	--	Steam transport 1857

Class. New specifications for 3rd class frigates were approved on 23.5.46, leading to the construction of Cérés, Résolue, Isis, and Armorique. Plans by Le Grix for Cérés were approved in 11.46. Cérés was lengthened to 230ft 6in wl and given 200nhp engines by Lorient as a transport. She was launched on 26.3.57 after conversion.

Disposals. Cérés was stricken 8.11.84, became a headquarters hulk at Toulon, and was BU 1899.

RESOLUE sail frigate (3rd class, 40)

Displacement:	1725t (est.)
Dimensions:	157ft 6in wl x 42ft 8in mld (est.)
Same, meters:	<u>48.00 x 13.00m</u>
Masts:	As <u>Pénélope</u>
Armament:	(Designed) Probably similar to <u>Algérie</u> .
Complement:	327

<u>Name</u>	<u>Builder</u>	<u>Laid down</u>	<u>Launched</u>	<u>Commiss.</u>	<u>Fate</u>
RESOLUE	Cherbourg	22.10.46	18.6.63	--	Steam 1872

Class. This ship was designed by Moll using the same specifications as for Cérès. The plans were approved in 8.46. Résolue was launched in 1863 as a sailing ship and completed in 1872 as a steam frigate.