

normal, 750 tons; maximum, 1824 tons = 6920 miles at 10 kts. Authorized 1903 for U.S. Navy; laid down at Cramp's, Philadelphia, May, 1904, and completed early in 1908. Sold to Greece early in 1914.

*Spetsai*. Re-fitting, 1919.

*Psara*. Stokers' Training Ship.

**PSARA** (1890, rebuilt 1897). **SPETSAI** (1889, rebuilt 1900). **HYDRA** (1889, rebuilt 1900). Displacement, 4808 tons. Complement, 440. Length (o.a.) 344½ feet. Beam, 51½ feet. Mean draught, 18 feet. Guns (Canon): 2—10.6 inch, 36 cal., 1—10.6 inch, 30 cal., 3—5.9 inch, 45 cal., 1—3.9 inch, 50 cal., 8—9 pdr., 4—3 pdr., 8 to 6—1 pdr. Torpedo tubes: 1—15 inch, 2—14 inch (all above water). Armour (Creusot steel): 12"–4½" Belt (lower), 3" Belt (upper), 2½" Deck (flat), 13½" Battery redoubt, 12" Barbette (aft), 6" Hood, 6" Hoists (main guns), 12" Conning tower. Machinery: 2 sets vertical triple expansion. 2 screws. Boilers: Belleville (1914-15). H.P. 6700 = 17 kts. Coal: normal 400 tons; maximum: others, 690 tons. Built by F. & C. de la Med., 1887-1892. All three are now fitted with flying topmasts, as *Hydra*. Appearance of *Spetsai* and *Psara* has been slightly changed by removal of the thin "auxiliary funnel" before fore funnel.

(1907) Armoured Cruiser.

(1912) Light Cruiser. **HYDRA**.



Photo by favour of M. C. D. Houtier.

**GIORGIOS AVEROFF** (March, 1910).

Normal displacement, { 9,960 tons. } Complement, 550.  
 { 10,118 metric tons. }

Length (over all), 462 feet. Beam, 69 feet. Maximum draught, 24½ feet. Length (p.p.), 426 feet.

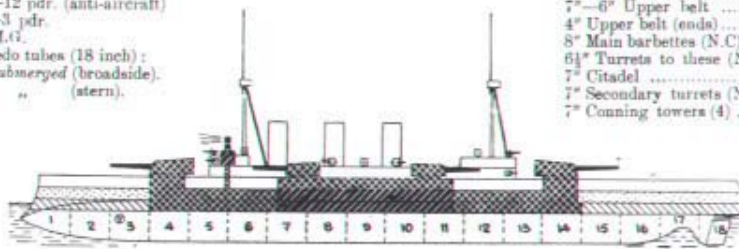
Guns (Elswick):

- 4—9.2 inch, 45 cal. (A<sup>2</sup>).
- 8—7.5 inch, 45 cal. (A).
- 16—14 pdr.
- 1—12 pdr. (anti-aircraft)
- 4—3 pdr.
- 2 M.G.

Torpedo tubes (18 inch):  
 2 submerged (broadside).  
 1 " (stern).

Armour (Terni):

- 8" Belt (amidships) .....
- 3½" Belt (ends) .....
- 2" Deck .....
- 7"–6" Upper belt .....
- 4" Upper belt (ends) .....
- 8" Main barbettes (N.C.) ...
- 6½" Turrets to these (N.C.) ...
- 7" Citadel .....
- 7" Secondary turrets (N.C.) ...
- 7" Conning towers (4) .....



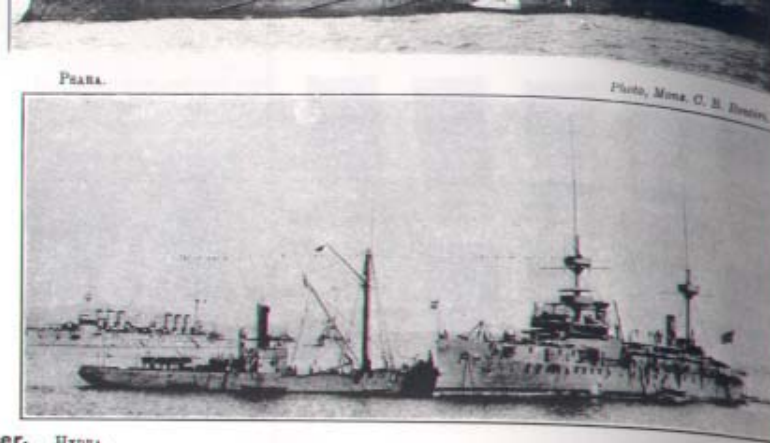
Ahead:  
 2—9.2 in.  
 4—7.5 in.

Broadside: 4—9.2 in., 4—7.5 in.

Astern:  
 2—9.2 in.  
 4—7.5 in.

Machinery: 2 sets 4 cylinder triple expansion. 2 screws. Boilers: 22 Belleville. Designed H.P. 19,000 = 22.5 kts. Trials: 21,500 = 23.9. Coal: normal 600 tons; maximum 1500 tons = 71.25 miles at 10 kts.; 2489 miles at 17½ kts. Built by Orlando, 1905-11.

*Gunnery Notes*—All big guns electrically controlled. 12 pdr. anti-aircraft gun mounted on after superstructure. *General Notes*—Cost £960,750. Sister to Italian *Pisa* with certain modifications as to armament and rig. This is the Italian ship formerly known as "X." Under the will of a deceased Greek millionaire, M. Giorgios Averoff, about £300,000 was left for increasing the Navy. This sum was devoted towards the part purchase of the above vessel, the balance of her cost being defrayed by the State. Still has shell holes in funnels from *Balkan* war.



**PSARA**.

Photo, M. C. D. Houtier.



**HELLE**.

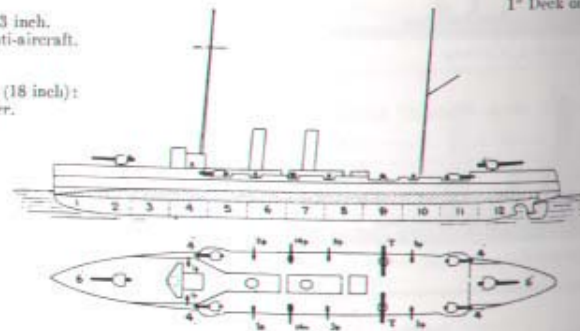
**HELLE** (May, 1912).

Normal displacement, 2600 tons. Complement, 232.

Length (over all), 322 feet. Beam, 30 feet. Draught, 14 feet.

- Guns (Armstrong):
- 2—6 inch.
  - 4—4 inch.
  - 2—14 pdr., 3 inch.
  - 1—6 pdr. anti-aircraft.
  - 2—3 pdr.
  - 2—1 pdr.
- Torpedo tubes (18 inch):  
 2 shore water.

Armour (steel):  
 2" Deck on slopes  
 1" Deck on flat



Machinery: Parsons turbine. 3 screws. Boilers: Thornycroft. Designed H.P. 6000 = 20 kts. Coal: normal, 400 tons; maximum, 600 tons + 100 tons of oil fuel = 5250 miles at 10 kts.; 35.5 miles at 17½ kts.

Name	Builder	Machinery	Laid down	Completed	Trials:		Boilers	Displacement
					4 hours.	Full Power.		
<i>Helle</i>	N.Y. Shipbig.	N.Y. Shipbig.	1910	Nov., '13	7500 = 20.3	8650 = 21	Thornycroft	

*General Notes*—Built as the *Fai-Hung* for China. Purchased 1914.