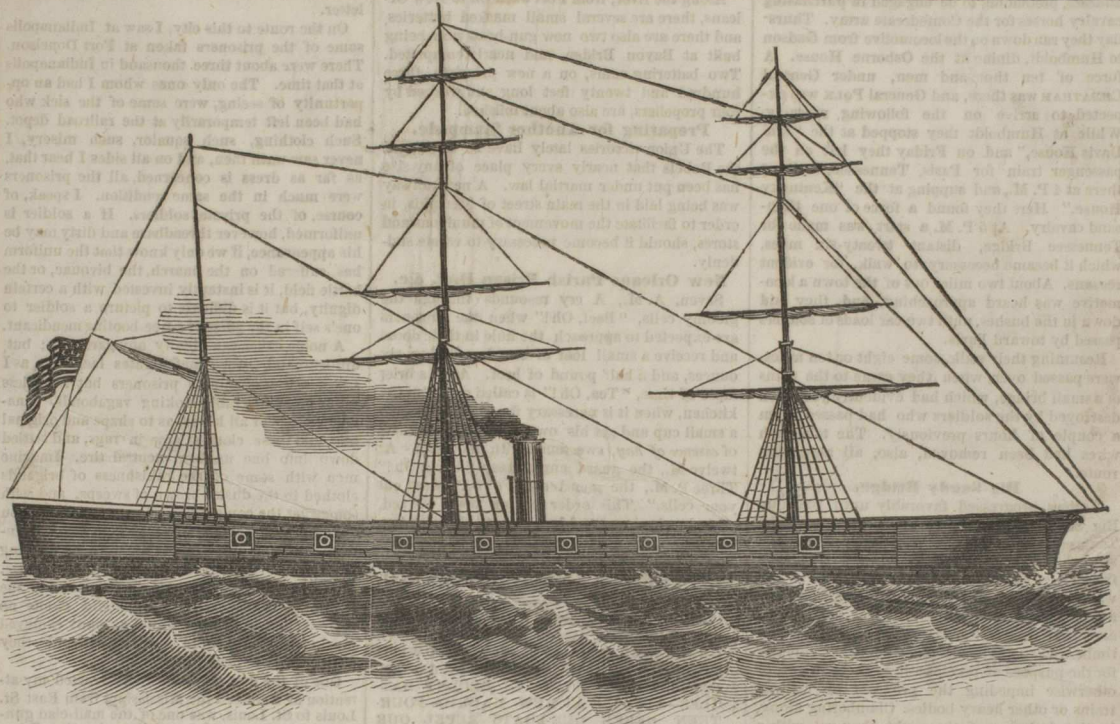
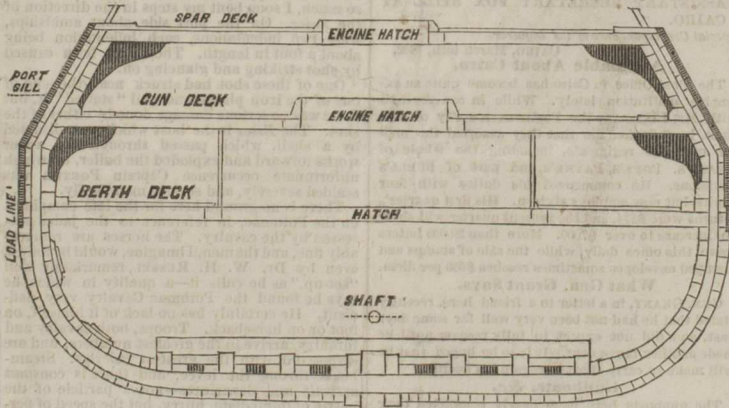


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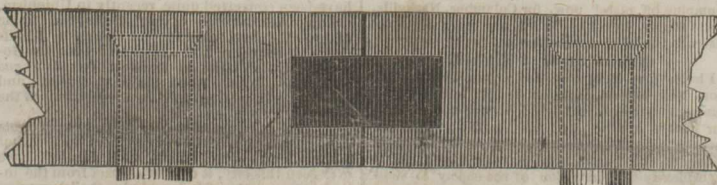
PHILADELPHIA, SATURDAY, MARCH 15, 1862.



THE NEW IRON-CLAD WAR STEAMER, NOW BUILDING IN PHILADELPHIA.



SECTIONAL VIEW OF THE INTERIOR.



VIEW OF IRON PLATES CONNECTED BY A STEEL SECTION.

We present to-day cuts descriptive of the iron-clad war steamer, now building in Kensington, at the yard of Messrs. CRAMP & SON. The whole frame, which is entirely solid, is in position, and rapid advance is being made towards the plank, in g. The build is quite peculiar, being exceeding flat-bottomed, and having the stern rounded in the style of two hundred years ago. Her whole appearance indicates great strength. Even now, before being iron-clad, she is apparently twice as strong as any vessel ever built. The plates intended to be used in the casing of the frigate are of superior manufacture, and altogether weigh seven hundred and fifty tons. The Bristol Works, near our city, have contracted to furnish one-half of the plates, and BAILEY, BROWN & CO., of Pittsburg, the other half.

The heaviest plate yet prepared weighs six thousand nine hundred and eighty-eight pounds; the lightest six thousand two hundred and forty-eight. These plates are connected by a steel section, and fastened to the timber of the vessel by heavy screw bolts. The ship has two floor timbers to each frame, each forty feet long, eighteen inches deep, and thirteen inches thick. The balance of the frame is ten inches thick, and tapers from seventeen-and-a-half inches at the floor-head to seven inches at the plank-sheer.

The spar deck will be covered fore and aft with one inch iron-plates before the deck plank is put on. She will be provided with an extra steering apparatus, so arranged that she can work without the rudder, if necessary. The weight of the hull of this vessel will be 1970 tons, and the iron plating 820 tons, making a total of 3890 tons. Her draught of water will be fifteen feet. When completed, she will be two hundred and forty-five feet long, fifty-seven feet six inches beam and twenty-five feet depth of hold. Her machinery is being constructed by the Messrs MERRICK, of Southwark.



Screw Bolt for Fastening Iron Plates.