

Port of

WEST HARTLEPOOL.

Continuation of Report No. 11039 dated 27th Oct. 1899 on theSteel S.S. "Clam"

lifted & rebedded and shafting lined up, six new coupling bolts fitted. New white metal fitted in thrust rings, all main bearings and bottom ends. Feed & bilge pump rams and air & circulating pump rods skimmed up in lube, glands rebushed and new neck rings fitted. Condense tubes drawn, cleaned & refitted, and feed & ballast donkeys overhauled.

Main Boilers — Examined three single ended boilers inside and outside, found them in good condition.

Donkey Boilers — Examined two donkey boilers inside and outside. Port boiler — found lower part of shell wasted in two places, cut out these defective parts and two new patches riveted, each $3'6" \times 15' \times \frac{1}{2}"$. Six rivets in fire box renewed. St. Boils. Cut out lower part of vertical seam in fire box and riveted a new patch. Shell at lower back partly wasted. This part cut out and a new patch riveted. $30' \times 15' \times \frac{1}{2}"$.

Liquid fuel Installation.

The main and donkey boilers of this vessel, have been fitted with an arrangement for firing with liquid fuel. The burners and gear are of the Beles & Rusden type. The pumping appliances are quite distinct from the ordinary bilge arrangement. Two new duplex donkey pumps $3\frac{1}{2}' \times 4'$ have been fitted for dealing with the oil. Shields and bells have been fitted, so that leakage is prevented from coming into contact with the boilers or of getting into the ordinary bilges. A new 30 ton evaporator has also been fitted.

The main boilers were tried under the oil installation and found to work well.

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

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The burners and gear in the furnace mouth, have been removed, and ordinary bars fitted, as the vessel will steam with coal on the outward passage.
Four plans are enclosed.

Wm. H. M. H.



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