

This hand-drawn technical sketch illustrates a cross-section of a ship's hull in the engine room. The diagram shows several key structural elements and their dimensions:

- Top Structure:** A horizontal beam at the top is labeled "A 100-68-7 spaced 750 mm". Below it, a vertical member is dimensioned as "230.7".
- Water Tank:** On the left side, there is a curved structure labeled "water tank". It features a horizontal reinforcement bar labeled "A 70-75-8".
- Pillar Frame:** A vertical support structure is labeled "pillar frame +".
- Main Hull Section:** The main body of the hull is shown with a curved bottom. It includes a horizontal beam labeled "single" and another one below it labeled "electric welded".
- Liver Oil Tank:** A rectangular structure is labeled "Liver oil tank". It has a "6 inch watertight" joint.
- Engine Room Floor:** At the bottom right, there is a circular area labeled "engine room floor". It is supported by a "flanged" base with a diameter of "175 mm" and a thickness of "10 mm".
- Dimensions and Welds:** Various other dimensions are noted, including "A 70-75-8", "A 115-65 on every flange", "75 mm", "500", "280", "7", "6", "75 mm", and "electric welded".

The drawing is a detailed representation of the hull's internal structure, focusing on the engine room area. It uses standard engineering notation for materials and dimensions.

[illegible]

Midship - Section AS BUILT.

Steel-screw steam trawler "NORTHERN DAWN"

Length between perpendiculars in CWL 177.00' = 53,949 m  
Length between perpendiculars (Lloyd's) 184.4' = 56,204 m  
Breadth moulded 28.0' = 8,534 m  
Depth 16.5' = 5,029 m  
Class: + 100 A1, Steam Trawler, Lloyd's Register of shipping  
L:D = 30:43 L:D = 44

Equipment  $L \times (B+D) = 8464$   
 1 Anchor . . . 13 cmts stockless  
 1 " . . . 12 " "  
 1 " . . . 4 1/2 " ex stock  
 150 Fathoms 1 1/2" stud link cable - 13 1/2 cmts  
 60 " 2 1/4" flexible steel wire  
 60 " 2 1/4 " "

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Hand-drawn technical drawing of a ship's hull section, showing the keel, ribs, and plating. The drawing includes dimensions and labels for various parts, such as "PITCH PINE PLATE", "LONGITUDINAL GIRTH", and "5 RIVETS". The hull is shown in cross-section, with the keel at the bottom and the plating extending upwards. The drawing is labeled with various dimensions and notes, including "PITCH PINE PLATE", "LONGITUDINAL GIRTH", and "5 RIVETS".

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MESSRS: DEUCHIMAG WERK SEEBECK AND A.G. WEIER'S YARD No 548  
STEAM TRAWLER "NORTHERN DAWN"

MIDSHIP SECTION AS BUILT.

BREMEN FIRST ENTRY REPORT No 18M.

RETAIN

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