

sons under the pull of the engines and consequent opening of bottom and bow plates. Another feature is the carrying of the overhead truss the full length of the boat, thus affording a secure fastening of the stern anchors and a better distribution of the stress it exerts, besides adding to the general stiffness.

The power is got from two 18 x 20 horizontal engines fed by Scotch Marine Boiler 11' x 13', furnishing 140 lb pressure. A small

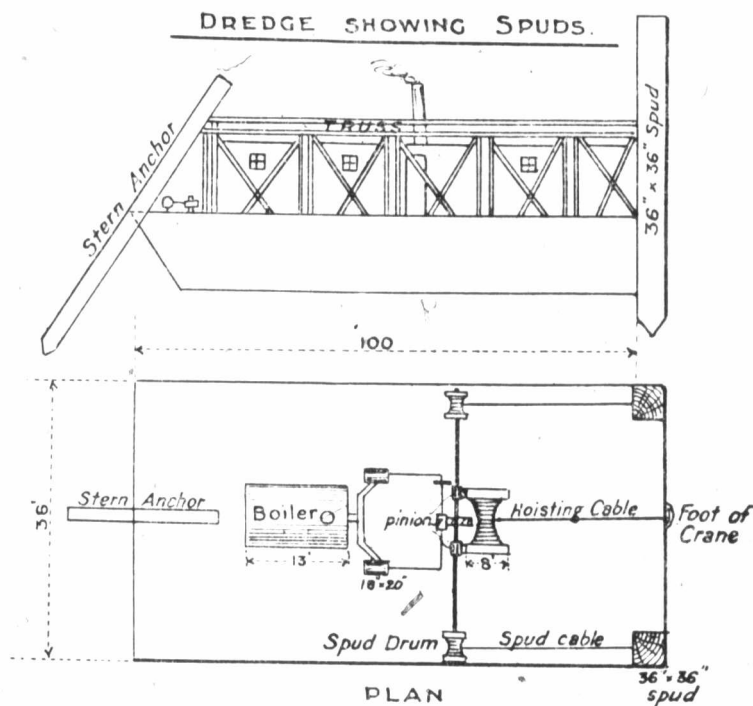


Fig. 11.

ends of which are attached two more small pinions operating the main hoisting drum, which is 8' in diameter. The first series of shafting is extended in bearings to the sides of the boat, and has pinion on engine shaft operates a larger pinion on a shaft, to the attached to it the drums for lifting spuds. When boat is pinned up these drums are thrown out of gear and spuds held up by fric-