

Description of the Structures on the Underside of Titanic's Boat Deck

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Introduction

This article is being written mainly for the benefit of modelers of *Titanic* in larger scales. In many photos structures under the boat deck can be seen on the ceiling of the A deck promenade. Some modelers have tried to model this area but there are few resources to aid them. I have attempted to draw these structures using available resources. Various structures will be discussed in this article and will be illustrated in this [Drawing of Titanic's Boat Deck Underside](#).

Boat Deck Beams

The most numerous structures under the boat deck are the boat deck beams. Our most accurate information for these beams is found in Harland and Wolff's Boat deck Iron Plan. They are shown in Figure 1.

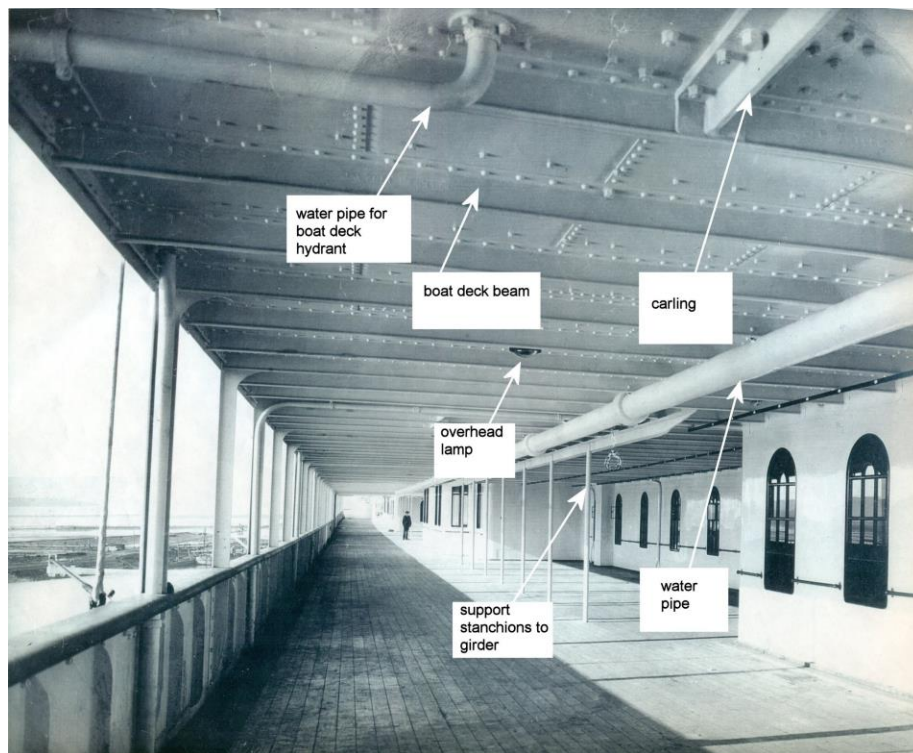


Figure 1

Water Pipes

There are two types of pipes. There are pipes which travel fore and aft over long lengths below the deck beams. On Titanic the only photos showing the underside of the boat deck are on the port side. We have not photos of the underside of the boat deck on Titanic's starboard side. About the best that can be done is to use early Olympic photos. There are small length pipes which travel athwartship on the outboard ends of the underside of the boat deck which supply hydrants on the boat deck. These pipes can also be seen in Figure 1.

Overhead Lamps

On Promenade Deck A, deck lamps were placed overhead rather than on the bulkheads. We can see some of the spacing of these lamps in photos but we can't see the locations of all of them. Some of these lamps are shown in Figure 1.

Carlings

These are short length fore and aft angles between beams which were placed under the outboard ends of the davits on the boat decks. These carlings are shown on Figure 1.

Stanchions to Boat Deck

There are angle iron stanchions from A deck to the Boat Deck on the port, starboard, and forward sides of the Promenade deck A. These are well illustrated in other plans and drawings so they are not shown here. There are also round cross section stanchions from A deck to the underside of the Boat Deck. These stanchions support fore and aft girders on the port and starboard sides and are found at the very aft end of the Boat Deck. These round support stanchions are shown as black circles on the drawing. These are shown in Figure 1.

Scupper Pipes

There are scupper drain pipes which drain waterways from different locations on the Boat Deck. So few of these can be seen in photos that they have been omitted from the drawing.

Ventilation Trunks

These are rectangular cross section ducts which run fore and aft next to the water pipes and run the full length of the underside of the boat deck. There are inboard connections to these trunks but they are not visible in photos and plans so they have been omitted on the plan. These ducts can be seen in Figure 2.

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Figure 2

Telegraphs' Mechanisms Shrouds

At the forward end of the Boat Deck under the bridge there are sheet metal shrouds which protect the chain mechanisms of the bridge telegraphs. These can be seen in Figure 3.



Figure 3

Conclusion

This article describes structures seen in the [Drawing of Titanic's Boat Deck Underside](#). While information about these structures is incomplete, I have made the best effort I can to illustrate these structures for the modeler.