

CHAPTER 31

AUXILIARY MACHINERY

31-5 STEERING GEAR MECHANISM:-
(PLATE X)

The Steering Gear Mechanism is arranged as indicated on PLATE X. There are two steering stations, one in the pilot house and one in the steering engine compartment.

Power is furnished by a single electric motor through a wire rope quadrant mechanism. The power is adequate to put the rudders from 30° right to 30° left and reversed in not more than 25 seconds while vessel is travelling at maximum speed.

In case of power failure, arrangements are available so that one man can steer the vessel manually from the steering engine room.

The steering engine room is located in the Hold, port to starboard, compartment C-206E, just abaft of frame 29.

For further details of operation and layout see PLATE X.

31-6 DISTILLING PLANT:-

There is provided one 2000 gallon per day vapor type Kleinschmidt Still with vapor compressor and compressor motor. Water flows from the plant to ship's storage tanks by gravity.

The distilling plant is located in the engine room, B-1, between frames 23 and 25. (See PLATES VI-A & VI-B).

31-7 AIR COMPRESSORS:-

See Compressed Air System, Chapter 38.

31-8 REFRIGERATING PLANTS:-

There is a Refrigerating Plant for cold storage and ice making purposes. This plant consists of two one-half ton air cooled Freon-12 compressor units,

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