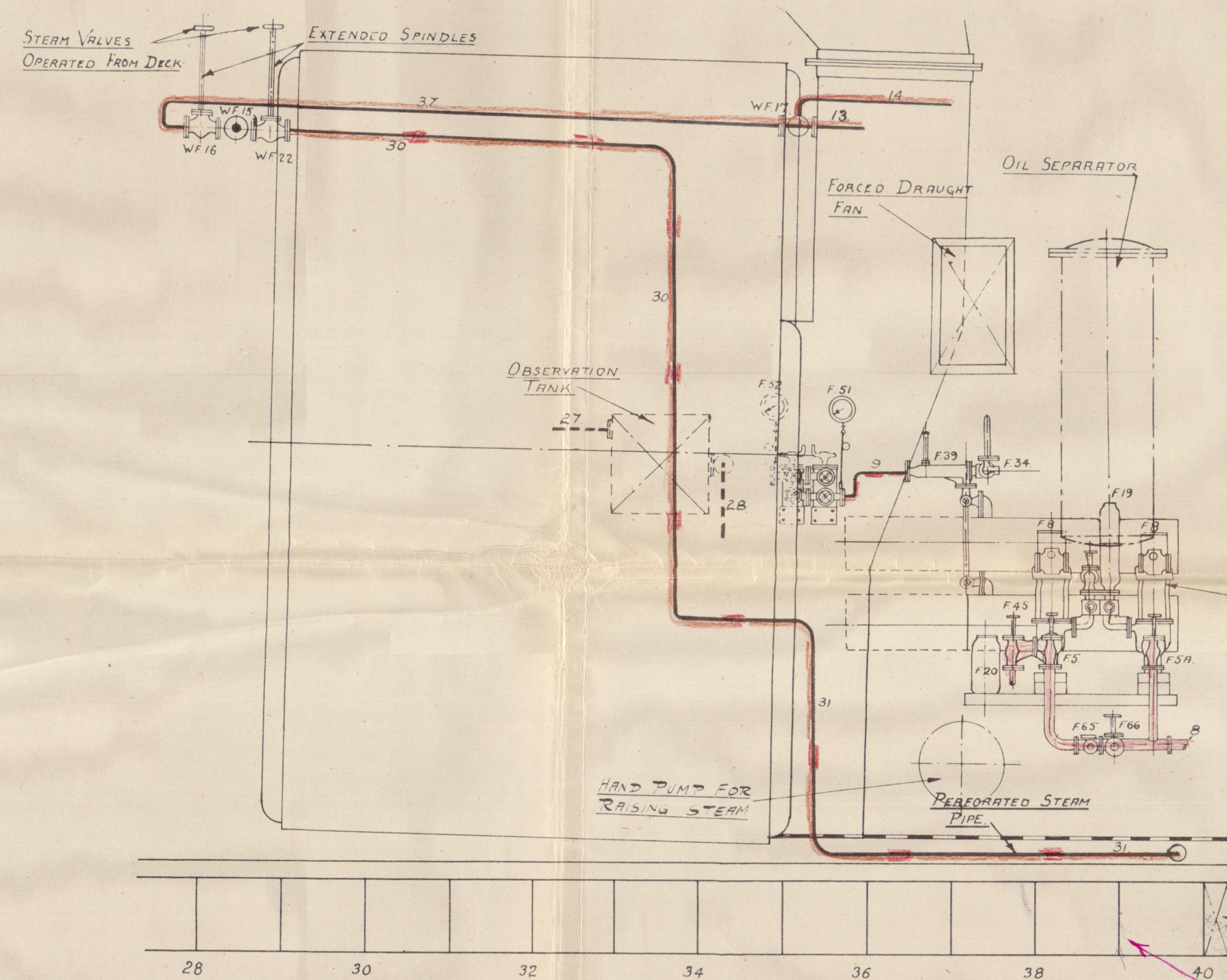
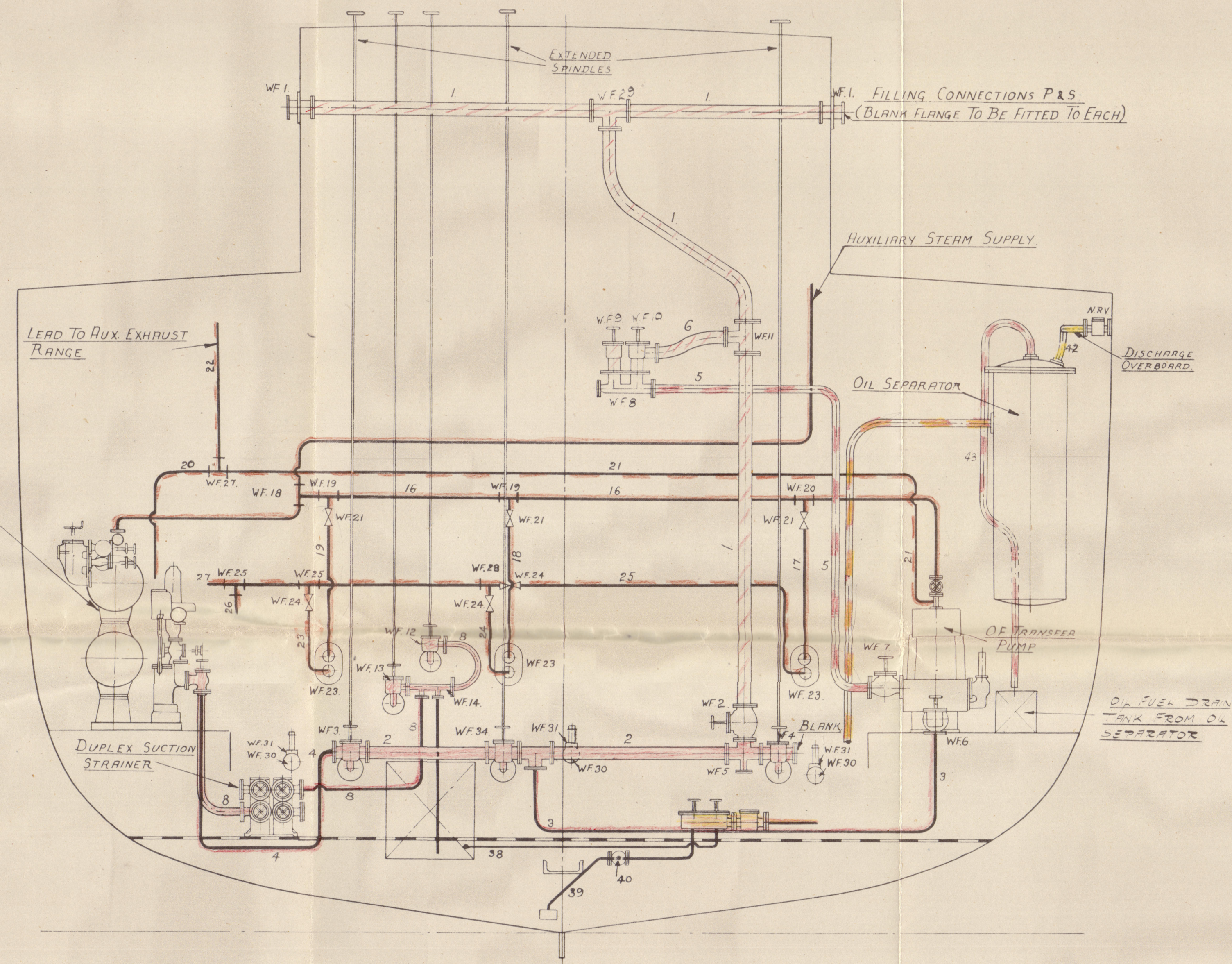


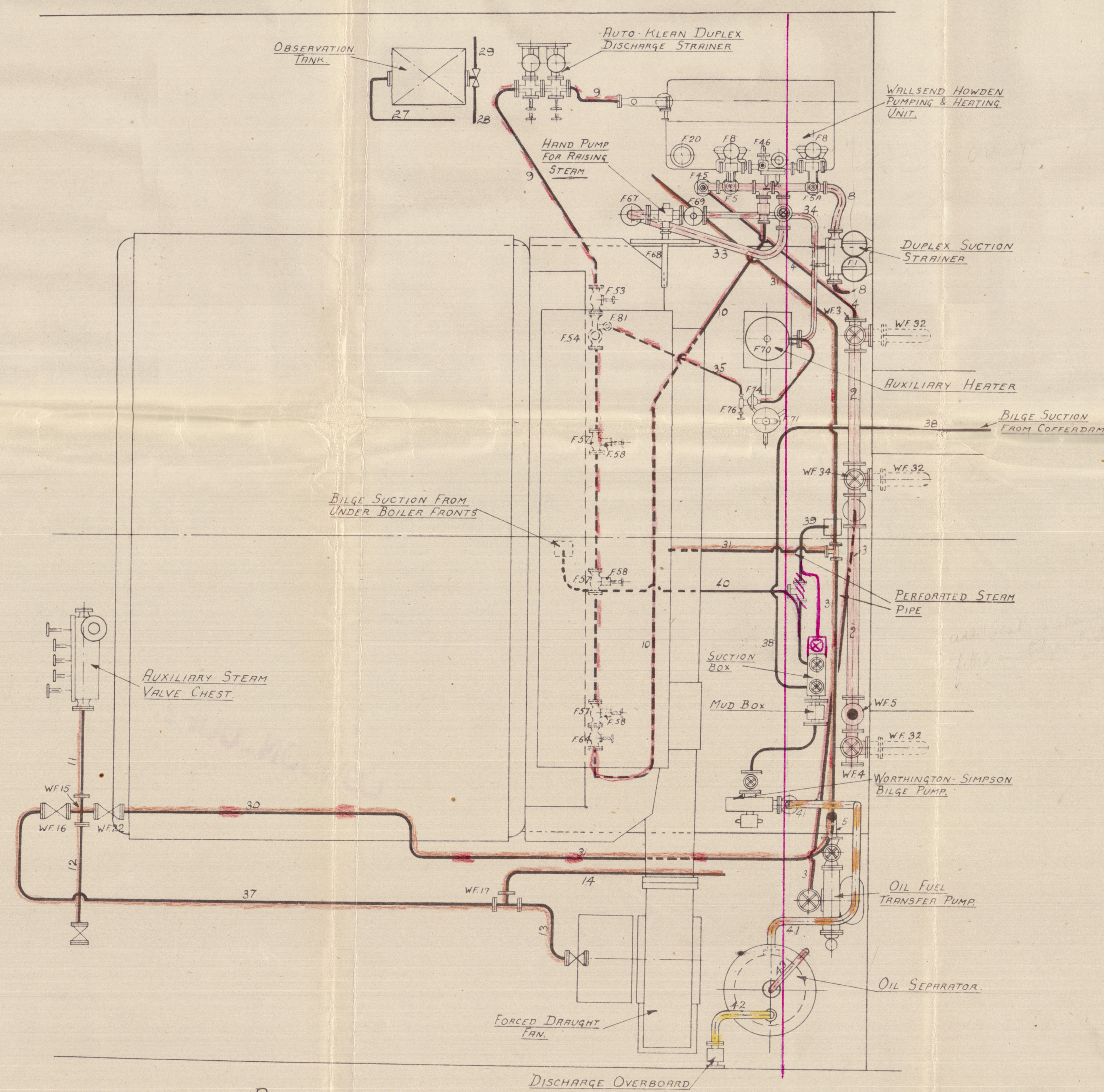
S.T. "HARGOOD."

DIAGRAMMATIC PIPE ARRANGEMENT FOR
CONVERSION TO OIL FUEL BURNING.SCALE $\frac{1}{2}$ " = 1 FOOT.

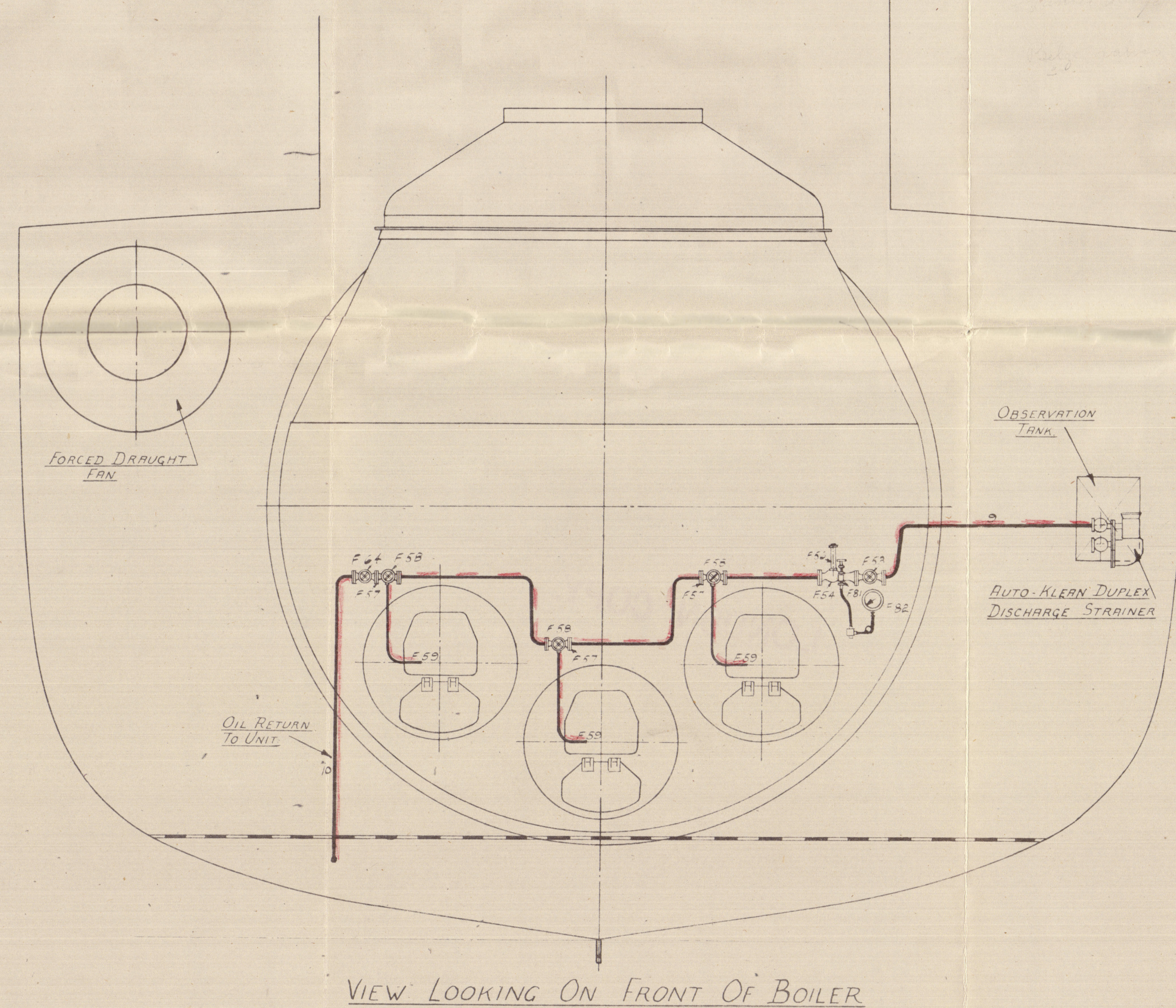
ELEVATION

Oil light of floorSECTION AT FRAME 40 LOOKING FOR^W

PIPE	BORE	MATERIAL	DESCRIPTION
1	4"	LWS	OIL FILLING FROM DECK
2	4"	-	& SUCTION FROM STOWAGE TANKS
3	3"	-	TRANSFER PUMP
4	1 1/2"	-	STANDBY TRANS. PUMP SUCTION
5	2 1/2"	-	TRANS. PUMP DISCHARGE TO SETTLING TANK
6	4"	-	SETTLING TANK FILLING & PUMPS DISCH. TO DECK
8	1 1/2"	-	OF UNIT SUCTION FROM SETTLING TANK
9	3/4"	SDS	PUMPS DISCHARGE TO BURNERS
10	3/4"	-	OIL RETURN TO UNIT
11	2"	SDC	STEAM FROM AUXILIARY STEAM LINE
12	2"	-	TO DYNAMO
13	3/4"	-	FAN ENGINE
14	1 1/2"	-	OF PUMPS & HEATING COILS
15	1"	-	& UNIT
16	1"	-	HEATING COILS
17	3/4"	-	STARBOARD TANK
18	3/4"	-	SETTLING
19	3/4"	-	PORT
20	3/4"	-	EXHAUST FROM OIL FUEL UNIT
21	1"	-	TRANSFER PUMP
22	1 1/4"	-	TO EXHAUST RANGE & ATMOSPHERE
23	3/4"	-	DRAIN FROM HEATING COILS PORT TANK
24	3/4"	-	SETTLING
25	3/4"	-	STARBOARD
26	3/4"	-	UNIT HEATERS
27	1 1/4"	-	TO OBSERVATION TANK
28	1 1/4"	-	OBSERVATION TANK TO BILGE
29	1 1/4"	-	HOTWELL
30	2"	SDS	STEAM TO FIRE EXTINGUISHING
31	2"	LWS	-
32	1 1/2"	-	SYPHON DRAIN FROM SETTLING TANK
33	2"	SDS	HAND PUMP OIL SUCTION
34	1 1/2"	-	DISCHARGE TO AUX. HEATER
35	3/4"	-	AUX. HEATER DISCHARGE TO BURNERS
36	3/4"	SDC	STEAM TO TRANSFER PUMP
37	2"	SDC	FAN HEATING COILS & OF PUMP
38	2"	-	BILGE PUMP SUCTION FROM COFFERDAM
39	2"	-	DRAIN TANK
40	2"	-	UNDER BOILER FRONTS
41	1 1/2"	-	DISCHARGE TO OIL SEPARATOR
42	1 1/2"	-	OIL SEPARATOR DISCHARGE OVERBOARD
43	1"	-	TO OIL FUEL TANK



PLAN



VIEW LOOKING ON FRONT OF BOILER

FITTING NO.	NO. OF	BORE	MATERIAL	TEST PRESSURE (LBS.)	DESCRIPTION
WF1	2	4"	C.I.	100	DECK OIL FILLING CONNECTION
WF2	1	4"	-	-	VALVE FROM DECK
WF3	1	4"	-	-	& SUCTION PORT TANK
WF4	1	4"	-	-	STARBOARD
WF5	1	4-4-4-15	-	-	BRANCH PIECE
WF6	1	3"	-	-	VALVE TRANSFER PUMP SUCTION
WF7	1	2 1/2"	-	-	DISCHARGE
WF8	1	4-4-2-1 1/2"	-	-	BRANCH PIECE
WF9	1	4"	-	-	VALVE SETTLING TANK OIL FILLING
WF10	1	4"	-	-	-
WF11	1	4-4-4	-	-	TEE PIECE OIL FILLING LINE
WF12	1	1 1/2"	-	-	VALVE HIGH SUCTION FROM SETTLING TANK
WF13	1	1 1/2"	-	-	LOW
WF14	1	2-1/2-1-1/2"	-	-	BRANCH PIECE UNIT SUCT.
WF15	1	2-2-2-2"	-	450	AUX. STEAM SUPPLY
WF16	1	2"	G.M.	-	VALVE AUX. STEAM TO FAN & OF PUMPS
WF17	1	2-1/2-3"	C.I.	-	T. PIECE
WF18	1	1 1/2-1 1/2"	-	-	OF PUMPS & HEATING COILS
WF19	2	1 1/2-3"	G.M.	-	-
WF20	1	3/4-1 1/2"	-	-	-
WF21	3	3/4"	-	-	VALVE HEATING COILS
WF22	1	2"	-	-	FIRE EXTINGUISHING
WF23	3	3/4-3/4"	-	-	BULK* PIECE AUX. STEAM TO HEATING COILS
WF24	3	3/4"	-	-	VALVE DRAIN FROM HEATING COILS
WF25	2	3/4-1 1/2"	-	100	T. PIECE
WF26	1	1 1/2"	-	-	SYPHON DRAIN VALVE ON SETTLING TANK
WF27	1	1 1/2-1 1/2"	C.I.	50	T. PIECE EXHAUST STEAM FROM OF PUMPS TO RANGE
WF28	1	1 1/2-1 1/2"	G.M.	100	DRAIN FROM HEATING COILS
WF29	1	4-4-4"	C.I.	-	OIL FILLING FROM DECK
WF30	3	1 1/2"	M.S.	-	PROV. FOR THERM. POCKETS - OIL FUEL TANKS
WF31	3	4"	-	100	THERMOMETER POCKET
WF32	3	4"	-	100	BULK* PIECE OIL FILLING & SUCTION OF TANKS
WF33	2	1 1/2"	-	-	SUCTION SETTLING TANK
WF34	1	4"	C.I.	-	VALVE
WF35	1	1 1/2-1 1/2"	-	60	T. PIECE BILGE PUMP DISCH. TO OIL SEPARATOR

ALL FITTINGS SUPPLIED BY WALSEND-HOWDEN

*Scantlings of pressure pipes
as per Rules.
Bilge valves to be S.D.N.R. type
Tunnel damper to be removed*

The remaining requirements of Sections 1B & 19
of the Rules for Steel Tanks to be complied
with so far as they are applicable.
The flash point of the oil fuel to be above
250° F.

*F.D.
26/9/49*

1/20

MEASURES OF WEIGHT AND

FIRST DRAFT

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S/T. "HARGOOD"

Diagrammatic Pipe Arrangement for Conversion
to Oil Fuel Burning.

9 ms rept No. 23988.



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