

FILM STUDY GROUP

REPORT

T.O.M. REEL NO. 90

Prepared by

THE ATLANTIC REFINING COMPANY

The Atlantic Ref. Co.
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SCANNING OF REEL #90
(Orig. Ident. Reel 3F)
U.S. Government Technical Oil Mission

Bar 3448 - Target 30/11.10 - Gutehoffnungshütte (Completed from Reel #89)

The following abbreviations are employed:

GHH = Gutehoffnungshütte
RB = Ruhrbenzin
RC = Ruhrchemie

GHH Dwg. 15069a. Tube bundles and tube sheets.

Krupp Dwg. 530/1. Tube bundle.

GHH Dwg. 3675. Steam accumulator.

GHH Dwg. 3533. Side walls of catalyst oven.

GHH Dwg. 3548. Boiler tube details.

GHH Dwg. 3538. Housing.

GHH Dwg. 3509. Connections to catalyst oven.

GHH Dwg. 3537. Right gas chamber.

GHH Dwg. 3530. Details of lower part of catalyst oven.

GHH Dwg. 3542. Charge point. Tube assembly.

GHH Dwg. 3543. Separating tube.

GHH Dwg. 3655. Intermediate tube details.

GHH Dwg. 3663. Tube supports.

GHH Dwg. 3536. Left gas chamber.

GHH Dwg. 3657. Riggers points for oven.

GHH Dwg. 3529. Tube sheet and tube layout.

GHH Dwg. 3678. Tube reinforcement.

~~GHH Dwg. Feb. 26, 1936. Test points (temperature, etc.)~~

GHH Dwg. 3639. Tubular heater (boiler?)

GHH Dwg. 3612. Assembly (of reactor oven?)

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- RB Dwg. 106/M. Gas purification plan view.
- RB Dwg. 106/3. Purification tower.
- RB Dwg. 106/2. Purification tower.
- RB Dwg. 106/5. Gas heater.
- RB Dwg. 106/4. Heat exchanger.
- RB Dwg. 106/13. Housing for catalyst case.
- RB Dwg. 106/8. Housing for catalyst case.
- RB Dwg. 106/7. Title not legible, but drawing appears to be a portion of the reactor assembly.
- RB Dwg. 106/10? Pressure catalysis oven?
- RB Dwg. 106/14. Arrangement of supports -
- RB Dwg. 106/11. Overall layout.
- RB Dwg. 106/6. Condensing system. Gas cooler.

Item 104. Project of a catalyst factory for benzine synthesis.

Unnumbered RB Dwg. showing ground plan of catalyst manufacturing plant. The caption on the drawing says this catalyst factory was planned for America.

- RC Dwg. 115. Schematic flow diagram for the catalyst factory.
- RC Dwg. 106, entitled "Process scheme for an ideal plant".
- RC Dwg. 110, entitled "Scheme showing the chemical reaction on solution, precipitation, and recovery of thorium".
- RC Dwg. 116. Flow diagram showing quantities of water, steam, etc., in the process.
- RC Dwg. 101. Solution and precipitation plant.
- RC Dwg. 101. Reduction plant.
- RC Dwg. 103. Piping connections between gas heater, fans and exhausters.

- RC Dwg. 15-101. Feinreiniger-Masse preparation.
- RC Dwg. 103. Tube coil for solution tank.
- RC Dwg. 4-101. Regulating tank.
- RC Dwg. 3-101. Steel construction for purification catalyst precipitation.
- RC Dwg. 4-102. Precipitate receiver.
- RC Dwg. 7-102. Reduction trough.
- RC Dwg. 15-104. Feinreiniger screen.
- RC Dwg. 15-103. Details of spacers for screen (?)
- RC Dwg. 15-102 Feinreiniger plant spiral conveyor to screen.

(This ends scanning of Reel #90)