

Doc.
No.

- 1 A 6-page mimeographed note of instructions dated at Böhlen on 5 January 1945 titled: "Measures of Protection against Freezing Damage in case of Complete Stillstand of the Gas Works."
- 2 A 22-page booklet dated Oppau March 1940 on "Cost Comparison for 2 Types of Synthesis Gases, from Coke or from Water Gas."
- 3 The pressure gasification of solid fuels with oxygen by Dr. F. Danulat - reprint from article in "Gas und Wasserfach" 1941.
- 4 Same article as (3) in English (illustrated).
- 5 A similar article in German by same author.
- 6 Lurgi pamphlet on "High-Pressure Gasification Installation."
- 7 Reprint of an article in "Oel und Kohle" of 1942 by Dr. A. Rettenmaier on "Present Status of the Development of Total Gasification" describing the Bubiag-Didier process, Kappers process, Pintsch-Hildebrand process, Schmalfeldt-Wintershall process, Winkler process, Lurgi High-Pressure process, Thyssen-Galocsy process, Demag process, Ruhrgas process.
- 8 Three pages of typewritten text and 5 photostats of pictures for Patent Application #OZ 12196 concerning the "Tulip-type Grate" for gas generators.
- 9 Tracing of drawing 2105-2 from "Minerdöl-Baugesell" of March 1937 - for the Brinker layout connected with the Winkler generator.
- 10 Letter-size blueprint of a sketch of the high-pressure gasifier of the A.S.W. dated 1941 showing relations of the 3-main parts.
- 11 Blueprint of drawing 487-1 of Braunkohle Benzin of 1935 showing complete assembly of the Winkler generator, location of all valves and all measuring instruments.
- 12 Blueprint of drawing F.A. 1052-2 of Theisen GmCH. of 1940 showing the Theisen gas washer.
- 13 Colored blueprint of drawing ATL 9547-1 of Friedrich Uhde, Dortmund of 1942 showing the piping layout #II - Propane separation, redistillation and stabilization.
- 14 Blueprint of drawing 3-A-56153 of BAMAG-MEGUIN May 1935 - Tower cleaning plant for water gas, capacity 700,000 m³ per day for BRABAG, Böhlen.

Doc.
No.

- 15 Blueprint of drawing 4M-A59714 of BAMAG-MEGUIN - 1943, Ash disposal outlet with separate gratebox, uncooled for BRABAG.
- 16 Colored blueprint of drawing He 63172f of BAMAG-MEGUIN Butzbach, 1941, Tower cleaning plant for Böhlen.
- 17 Blueprint of drawing Me-2956 - Leuna - 1939 - Flow sheet of the alkazid plant.
- 18 Tracing of drawing Ze-1130 of BRABAG July 1943 - Layout of piping for the alkazid plant.
- 19 Blueprint of drawing M4998-3 of Leuna 1943 - Silica-gel drying plant for H₂S - Building Me 936.
- 20 Blueprint of drawing M-1412-1 Leuna 1937 - Sketch of the sulphur removal plant in Buildings Me 40, Me 285, and Me 285a. Desulphurizing of the gases and extraction of the carbon dioxide.
- 21 Three copies of blueprint of drawing M-202-8 - 1931 - Sketch of alkacid plant.
- 22 Blueprint of drawing MG215-1 Leuna - 1944 - Sulphur burning installation for Building Me 951.
- 23 Blueprint of drawing M 10727-2 Leuna - 1942 - Project for an ethane cracking plant.
- 24 Blueprint of drawing 6987/1 1943 of C. Otto - Details of sulphur ovens 25 m³ capacity.
- 25 Blueprint of drawing 6987-5, 1943 of C. Otto - Sketch of the sulphur ovens (Claus ovens) plant.
- 26 Blueprint of drawing B-0610a - from Otto Dietrich - 1936 - Heating gas piping layout - temperatures of 300 to 500°C.
- 27 Blueprint of drawing AC-6987/4 - 1943 of C. Otto - Burner layout and details for the Claus plant.
- 28 Blueprint of drawing AC-6987/18 - 1944 of C. Otto - Sulphur pan.
- 29 Blueprint of drawing AC-6987/7 - 1944 of C. Otto - showing the water traps for air and H₂S lines.
- 30 Blueprint of drawing AC-6987/6b - 1944 of C. Otto - showing the sulphur receptacles (detail drawing).
- 31 Blueprint of drawing AC-6987/15 of C. Otto - 1944 - Project for the installation of the Claus plant.

Doc.
No.

- 32 Blueprint of drawing AC-6987/17 of C. Otto - 1944 - continuation drawing for the Claus plant.
- 33 Blueprint of drawing AC-6987/16 of C. Otto - 1944 - General layout of the Claus plant.
- 34 Blueprint of drawing M-8055-4 - Leuna - 1942 - Sketch for the sulphur removal of synthesis gas for synol production in Building Me 285 - General layout.
- 35 Blueprint of drawing M9378-4 - Leuna - 1943 - Silica-gel gas drying for H₂S.
- 36 Blueprint of drawing 451-2 of BRABAG-Böhlen - 1936 - Piping diagram for the cleaning of CO (high and low-pressures).
- 37 Blueprint of drawing 100001-b-1937 of Lurgi-Adsorber 5000 m/m I.D. all in English.
- 38 Blueprint of drawing 100002 - 1937 - of Lurgi in English, sections and details of Adsorber.
- 39 Blueprint of drawing 100004 - of Lurgi - 1937 - in English - square meshed steel grids 30x30m/m for adsorber.
- 40 Blueprint of list of material for adsorber of above drawings.
- 41 Blueprint of drawing 513366 of Aug. Klönne, Dortmund 1939. High-pressure gas purification plant - details of the grating - for ASW-Böhlen.
- 42 Blueprint of drawing 526445 of Aug Klönne, Dortmund 1941. General assembly of the high-pressure gas purification plant - for ASW Böhlen.
- 43 Blueprint of drawing 711595 of Aug Klönne - Dortmund 1941 - 4 purification towers for the high-pressure gas purification plant - ASW Böhlen - Details of assembly.
- 44 Blueprint of drawing 722822 of Aug Klönne - Dortmund - 1941 - Lower part of the high-pressure gas purification plant - for ASW Böhlen.
- 45 Blueprint of drawing N-3909-1 - Ludwigshafen - 1941 - High-pressure part of the CO - purification and the final CO₂ removal - at Heydebreck H_c 380.
- 46 Blueprint of drawing N-9948-2 - 1941 - Ludwigshafen - Installation for the cleaning of CO gas at Heydebreck - General layout and location of apparatus.
- 47 Blueprint of drawing N-3842-1 - Ludwigshafen 1941 - Low-pressure part of the CO - purification plant at Heydebreck He 382.
- 48 Blueprint of drawing M5179-8 - Leuna - 1943 - CO purification - Sketch of a gas washing plant with a 4-tray column for 2200 m³/hour of gas containing 3 grams of NH₃ per m³ of gas.

Doc.
No.

- 49 Blueprint of drawing M5003-2 - Leuna 1938 - Piping layout for the cleaning of H₂S - containing CO₂ gas in Building Me 522.
- 50 Blueprint of drawing 722834a of Aug Klönne, Dortmund - 1942 - Piping layout for the gas purification plant at Rheinpreussen, Homburg.
- 51 Blueprint of drawing 711388 of Aug Klönne, Dortmund, 1941 - Assembly of the cleaning plant at Rheinpreussen, Homburg.
- 52 Blueprint of drawing 711388a - 1942 as above but corrected.
- 53 Tear sheets from VDI proceedings - 1940. Article by Walter Grimm, Homburg, "Recovery of liquids from coke gas, synthesis gas, and other gases" - 5 pages.
- 54 Blueprint of drawing M12686-2 - Leuna - 1944 - Flow diagram of the copper solution regenerator.
- 55 Blueprint of drawing 316-1 of BRABAG - Böhlen - 1935. Circuit of phenolated water in the Winkler plant.
- 56 Blueprint of drawing ATL 1010 of Fr. Uhde - Dortmund - 1941 - Flow sheet and location of measuring instruments in gas purification plant.
- 57 Blueprint of drawing H-9998 of the Deutsche Ton und Steinzeug Werke A.G. Krauschwitz - 1943, showing acetylene cleaning plant (2 copies).
- 58 Blueprint of drawing without number, 1943 - Ludwigshafen - Sketch of the Leuna - cold plant.
- 59 Blueprint of drawing M5270-1 Leuna 1942 - Assembly drawing of the enriched gas installation in Building Me 914 - Ethane-propane-butane.
- 60 Blueprint of drawing 11040 of Linde Ice Machine Co. 1942 - Flow sheet and location of valves and instruments in the fuel-gas plant.
- 61 Blueprint of drawing 35/2188a of Linde Ice Machine Co. 1935 - Flow sheet of the Propane-Butane plant in Building Me 879 at Leuna.
- 62 Blueprint of drawing W3283-8 - Ludwigshafen 1939 - Sketch of the Nitrogen production plant for Linz, Ostmark - gas quantities indicated.
- 63 Tracing of a drawing of January 1943 showing NH₃ synthesis by the IG process and as proposed by Linde.
- 64 Tracing - drawing SK-300143 - Coke oven gas reaction by Linde process - 1943 - Leuna.
- 65 Tracing - drawing SK-300144 - Low-temperature process for purification of synthetic NH₃ gas Leuna 1943.
- 66 Tracing - drawing SK-20543 - Leuna, undated. Raw gas treatment for synthesis of NH₃ - Recycle and expansion process.

Doc.
No.

- 67 Report in English by management of Leuna works of IG Farben Industrie AG to the US Military Government in Merseburg, of 24 April 1945 concerning the rehabilitation of the Leuna plant and the start of operation following discussion with the NAVTECHISEU oil and petroleum group - 2 pages and 20 tables - 1 original and 3 copies.
- 68 Blueprint of drawing M-4045-2 - Leuna 1938 - Sketch of the Winkler-synthesis gas production.
- 69 Blueprint of drawing M-5030-2 Leuna 1938 - Sketch of the Winkler-synthesis gas production.
- 70 Blueprint of drawing M-5052-2 Leuna 1938 - Sketch of the Winkler-synthesis gas production.
- 71 Colored blueprint of drawing SK-1012 of Building Me 431 showing the Winkler installation at Leuna. Preparation of the dry coal - distribution bunker - Winkler generator - waste heat boiler - dust separators - cooler - disintegrator.
- 72 Small photostat of Winkler generator (1 negative and 1 print).
- 73 Undated blueprint of drawing O240: Preparation of Iso-Octane containing the following sections - Winkler generator, sulphur removal, carbon monoxide conversion, removal of carbon dioxide, isobutyl-synthesis, methanol removal, isobutyl alcohol separation, dehydration to isobutylene, condensation to Di- and tri-isobutylene, separation from di- and tri-isobutylene, hydrogenation to iso-octane, dehydration of the higher molecule alcohols to isohexylene and isheptylene.
- 74 Blueprint of drawing M-2571-1 of February 1939 - Leuna - assembly drawing of the preparation of clay - unloading, drying and reloading.
- 75 Blueprint of drawing 134-4 of BraunkohleBenzin AG (Brabag) of 1935 showing diagram of Winkler generator. Water flow.
- 76 Blueprint of drawing M-11686-2 of October 1943 - Leuna - projected gas cleaning plant for the Winkler generator (assembly).