

Fischer - Tropsch and Gasification

<u>Reel:Frame, etc.</u>	<u>Subject</u>
1: 3, 34, 86, 97 - 111, 162 - 253, 279 - 333, 339 - 640 471 - 485	Miscellaneous reports from Lützkendorf
2: (Section 13)	Miscellaneous reports from Lützkendorf
3: (Most of Item 2b)	Monthly reports from Lützkendorf
9: (Bag 2733, item 15)	
12: (Bag 3500, all except 1st 2 items)	Miscellaneous reports from Böhlen (A. G. Sachsische Werke)
13: (Bag 3043)	Indirect information on gasification & Fischer-Tropsch at Leuna, scattered thru
15: (Bag 3043, Item 18)	Some patent applications at Leuna.
17: (Bag 3041, items 21- 28, & 39)	Some patent applications, mainly for gas purification, at Leuna (catalysts also)
19: (Bag 3042, Items 146 - 152)	F. T. at Leuna
20: (Bag 3042, Items 153 - 166)	F. T., Catalysts at Leuna.

Fischer - Tropsch and Gasification (continued)

<u>Reel: Frame, Etc.</u>	<u>Subject</u>
24: (Bag 1928, Item 6)	F. T. from Ludwigshafen
26:(Bag 2463, Item 2,6,8-11)	F. T., Gasification, patents, etc. from Ludwigshafen
27: (Bag 2169, Items 1-15)	Catalysts
(Bag 2169, Items 28-33)	F. T.
(Bag 2169, Items 17-27,36-42)	Gas purification and gas manufacture from Ludwigshafen
29: (Bag 2171, item 9)	Gas purification
31:(Bag 2170, item 16)	Catalysts
33: (Bag 3440, items 3-31)	F. T., catalysts, etc. from Sterkra
34: (Bag 3440, items 31-60)	
35: (Bag 3440, items 61-92)	F. T. (73 on Iron Carbonyl)
(Bag 3452, items 1-33)	F. T.
36: (Bag 3452, items 34-42)	F. T.
(Bag 3454, items 1 -36)	F. T.
(Bag 3451, items 1 - 13)	F. T.
37: (Bag 3451, items 13 - 45)	F. T.
(Bag 2240, items 1 - 2)	F.T.
(Bag 3450, items 1 - 3)	F. T. from Sterkrade
38: (Bag 3450, items 4 - 21)	F. T.

FISCHER-TROPSCH and Gasification (continued)

<u>Reel:Frame, Etc.</u>	<u>Subject</u>
39: (Bag 3450, items 21-47) (Bag 3453, items 1 - 7)	F. T., misc. at Sterkrade Patents, etc.
40:(Bag 3453, item 8-27) (Bag 2744, items 1-4)	Only indirectly F. T. only indirectly F. T. at Sterkrade
41: (Bag 2744, items 4-51) (Bag 3439, items 1-9)	F. T. F. T.
42:(Bag 3439, items 10-87)	Some only indirectly F. T.; others directly F. T.
43:(Bag 3439, items 88-101) (Bag 2719, Target 30/6.12, Items 1 - 7) (Bag 2719, Target 30/5.04, Items 1-8) (Bag 2719, Target 30/5.02, Items 1 - 7) (Bag 3027, items 1 - 19)	Some only indirectly F. T.; others other directly F. T. at Sterkrade F. T. at Essen (Koppers) F. T. at Dortmund (Hoesch Benzin) F. T. At Wanne-Eickel (Krupp) F. T. At Dortmund (Kamen)
44: (Bag 3441, items 17-70)	F. T. at Sterkrade
45: (Bag 3441, items 81, 83 - 132) (Bag 3446, items 1 - 23)	F. T. at Sterkrade F. T. at Sterkrade
46: (Bag 3446, items 24 - 64)	F. T. at Sterkrade
47:(Bag 3446, items 65-103)	F. T. at Sterkrade

Fischer - Tropsch and Gasification (continued)

<u>Reel: Frame, Item, etc.</u>	<u>Subject</u>
48:(Bag 2276, items 1 - 5) (Bag 3448, items 1 - 30)	Gasification F. T. (General articles) at Sterkrad
49: (Bag 3448, items 31-68)	F. T. (indirectly) at Sterkrade
50: (Bag 3448, items 68 - 104)	F. T. (indirectly) at Sterkrade
52:(Bag 3445, items 2 - 9)	F. T. at Deutsche Luftfahrtforschung
54:(Bag 3413, Target 30/4.17, item 2) (Bag 3414, item 14)	Gasification (Michael synthesis) F. T. (and other) patents
55: (Bag 3414, items 14, 16-17, 19-20) (Bag 2523, items 94 - 104)	F. T. (and other) patents; history, etc. F. T.
56:(Bag 3520, Items 3 - 4)	F. T. licenses & patents
57: (Bag 3967, Items 4, 9)	Gasification, F. T.
62: (Bag 4182, Target 30/0pp. 9.08 Lurgi	Lurgi Gasification
65:(Bag 1928A, items 1 - 48) (Bag 3413, items 2 - 3)	Gasification Gasification
66:(Bag 3445, items 9 - 31) (Bag 2288, items 1-3, and then next 1)	F. T. at Sterkrade F.T.
67:(Bag 3445, items 32-97)	F. T. (some indirectly)
68:(Bag 3445, items 97 - 104)	F. T. (indirectly)

Fischer - Tropsch and Gasification (continued)

<u>Reel:Frame, etc.</u>	<u>Subject</u>
68:(Bag 3440, items 93 - 100) (Bag 3441, items 133-134) (Bag 3445, item 105) (Bag 3450, item 48) (No bag, item 1)	Fischer-Tropsch (some indirectly) F. T. F. T. F. T. F. T.
69:(Bag 3425, items 1-6) (Bag 1477, item 1) (Bag 1481, and 1478, items 1A - 3A)	F. T. and other processes, production and economics F. T. F. T.
70:(Bag 1477, item 2) (Bag 1478 and 1481, items 4A, 6A-85E) (Bag 1477, items 88A-98E)	F. T. F. T., including costs F. T.
71:(Bag 1677, items 13, 28) (Bag 2744, items 4-12, 15-16, 18-21)	F. T. F. T.
72:(Bag 2744, items 22-81)	F. T., (many only indirectly)
73:(Bag 3979, items 26-28, and later, 1-8)	WIFO at Strassfurt and Niedersachsawer fen.
76:(Bag 1: Item 5: 1-7)	Gasification
79:(Bag 3996, Items 128-132, 134 - 135)	F. T.
80:(Bag 3996, item 150)	F. T. (indirectly)

Fischer - Tropsch and Gasification (Continued)

<u>Reel:Frame, Etc.</u>	<u>Subject</u>
81: (Bag 3996, items 150 - 159, 164, 167-168, 170-176, 180)	F. T. (Indirectly)
82: (Bag 3996, items 218-220, 223 - 235)	F. T.
83: (Bag 3996, items 235 - 250)	F. T.
84: (Bag 3996, items 251-255) (Bag 3499, items 1-27)	F. T. Lurgi
86: (Bag 3979, item 110)	F. T. (?)
87: (Bag 3979, item 115, 120)	F. T.
89: (Bag 2448, items ??)	F. T.
90: (Bag 2448, all)	F. T.
97: (Several items scattered thru)	F. T.
100: (11)	F. T. Patents
101: (Items 21559-21564, 21566- 21580, 21585, 21587, 21590 - 21591)	F. T. (Especially iron catalysts i items 21574 - 21580)
[104: (Item R5)	Iron Carbonyls]
113: (Items 2, 7b)	F. T.
115: (Item 11, 15)	Winkler
116: (Items V 11, V 13)	Winkler

Fischer - Tropsch and Gasification (cont.)

<u>Reel:Frame, Etc.</u>	<u>Subject</u>
117:Items VI5, V25	Hydrogenation
118:(Items LU11, 72, 81-94)	Gasification, Winkler
121:All	F. T. (but said to be largely illegible)
122:Items 1-16	F. T.
123:No Bag No. No bag No.	F. T. (iron catalysts) F. T.
[125 (Bag 2071, item 12)	Metallic Hydro-carbonyls]
131:Items 1-12	Methane cracking to synthesis gas
132 Items 1-33	Synthesis gas purification, alkazid, Claus
134: Items Ia 1-15, Ib 1-43, Ic 1, II 1-31, III 1, IV 1-4, V 1-6, VI 1-8, VII 1-26	F. T., including costs
136: All	Winkler generator
137:All	Lurgi Plant
148:99-103, 153-155, 235 - 241, 244 - 249	Fischer-Tropsch.

Fischer Tropsch and Gasification (Continued)

<u>Reel: Frame, Etc.</u>	<u>Subject</u>
152: 541 - 550, 565 - 567, 623 - 625, 881 - 920, 1231 - 1307	Gasification, Pintsch - Hillebrand
153: ^(6A) 1944, No. 2, 1-59) ^(6A) 1944, No. 4, 55-65)	Gasification in U.S.S.R.
155:115 - 116	Fischer Tropsch
162:325 - 326, 366 - 369, 487 - 489, 687 - 691, 820 - 825, 847 - 869	Gasification, Fischer Tropsch
164: 143 - 185, 278 - 283, 901-905	Fischer Tropsch
166: 617 - 657, 675 - 868	Fischer Tropsch, Michael synthesis
169: 131 - 155, 638 - 674	Fischer Tropsch
170:227 - 430	Fischer Tropsch
174:23 - 50, 162 - 169	Fischer Tropsch, Michael synthesis
176: 1-202, 861 - 1225	Fischer Tropsch, Lurgi, (including flowsheets and blueprints)
177:1462 - 1785	Fischer Tropsch (Patent applications)
178:2580 - 2923, 3507- 4060 (first two items) (items 1-3, 12-17)	Fischer Tropsch (catalysts, etc.) plants, production costs
179:4061 - 4370, (items 1, 3, 5) 4891-5086 (item 1)	Fischer Tropsch (including American participants, 1938)

Fischer Tropsch and Gasification (Continued)

<u>Reel:Frame, Etc.</u>	<u>Subject</u>
180: 5835 - 6270 (Items 300 to 301)	Fischer Tropsch
181: 5845-6407 , (Items 2-4)	Fischer Tropsch
183: 8106-8378 (item 1)	Fischer Tropsch
187: 3149 - 3156	Gasification
188: (item 1, ⁴⁵ 8 - 11, 14 - 26, 29 - 33, ³⁴ A, 34D, 34E 34L, 34Q - 36K, 36U - 36 BB)	Fischer Tropsch, Winkler generator, gasification
189: (Items ⁴⁶⁻⁴⁹ 54 - 57, 60 - 72A)	Fischer Tropsch, synthesis gas
190: (Items ^{1,2,3,6} 28 - 50B)	Fischer Tropsch, including some information from America
191: (Items 51A - 52B)	Fischer Tropsch
192: (Items ²⁰ 17A - 17D, 17H- 21, 23C-23D, 23L, 23P, 24-25)	Methanol synthesis, Winkler generator
193: (Items 39, 47, 48 56, 58, ⁸¹ KK, ⁸¹ NN, ⁸¹ TT 81B-81E, 81M-81O)	Fischer Tropsch
194: Part 6; Part 7, (items 1- 3 ³³)	Equipment, methanol synthesis 194: 30554-30718, 30719-30725 (items 1-33)
195: (Items 1- 66 , 68-76) 22-24	(Item 9 is a very comprehensive report on many processes) Gasification, Winkler generator (blue- Prints) Fischer Tropsch 195: 30776-31025 (items 1-66, 68-76) 31268-31493 (items 5, 22-24)
196: (Items Nos. XXV-6, XXVIII-23, XXVII-17)	F. T.

197. (CIOS Nos. ~~XXIII-15~~, ~~XXVII-14~~, ~~XXVII-70~~ F. T.
~~XXVI-57~~, ~~XXVII-54~~, ~~XXVII-69~~,
~~XXV-25~~, ~~XXV-7~~, ~~XXXII-90~~,
~~XXXI-41~~, ~~XXX-13~~, ~~XXX-103~~,
~~XXXII-107~~)

Fischer Tropsch and Gasification (Continued)

<u>Reel:Frame, etc.</u>	<u>Subject</u>
198 (CIOS Nos. XXVII-68, XXVII-81 XXVII-85, XXX-10, XXIII-16 XXVIII-35, XXVIII-36, XXVI-11, XXX-34 , XXXII-52)	Fischer Tropsch, gasification
199 (CIOS No. VI-22, X-12 , X-13 , XX-10 BIOS No. 82, Fiat No. 90, 426, 425, 239, 273)	Fischer Tropsch
200: (TIC 40 NavTecMisc No. 248- 245, 217-45)	Fischer Tropsch
209: Tech Report Nos. 110-45, 111-45 , 248-45, 248-45	purification of gases Fischer Tropsch, etc. [Check for duplication in CIOS Reports, Etc.]
219: (Items 8 - 9)	gasification Fischer - Tropsch
220: (Items 14, 16, 18, 26, 34)	Fischer Tropsch, methanol synthesis
226 (CIOS No. XXII-1, XXXIII-5, BIOS No. 447, 216)	Fischer - Tropsch (Including interro- gation of Roelen)
227 (BIOS No. 521, 333, 333 199, 511)	Gasification (including interrogation of Roelen)
228: (FIAT No. 513, 513)	Gasification, gas turbines
236: (after 10/10/48)	gas manufacture
237: (Items T113, T151 - T154, T159, T188, T200)	Water gas, gasification
238: (All)	Gasification (Koppers, Teldek, Gummé processes)

Fischer - Tropsch and Gasification (continued)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
239: (CIOS No. XXV-26, XXVII-82)	Fischer - Tropsch, gasification
240: (FIAT No. 888)	Methanol synthesis
241: (all)	Gasification
242: (Items 8-17)	Fischer - Tropsch, gasification
243: From Tom Reel 1, items 65-66, TOM 15: item 18, TOM 17: item 27, 34 TOM 19: 680-689, TOM 38: 1, 9 TOM 48: 740-749, TOM 55: 94-96 TOM 67: 39-41, also 673-694 (Items 2, 4, 14-15, 22, 33, 42-44, 49, 61-66, 68, 72, 78, 82)	Fischer-Tropsch, gasification
244: (First several items) (Items 1, 8, 10-11, 23, 100)	Fischer - Tropsch, catalysts, carbonyls
246: 00485-00510	Gasification
250: Items 8 - 11	Gasification
252: 38 - 109	Fischer - Tropsch
256: 168 - 229C	Fischer - Tropsch
258: Some of reel	Gasification (oxygen usage)
259: 1 - 664, 665 - 1124	Fischer Tropsch, alkazid, Claus, synol
260: 108 - 120	Methanol synthesis
274: 1092 - 1391, 1437-1492, 1554 - 1592, 1607 - 1631, 1637 - 1775, 1790 - 1799	Gasification, some later ones indirectly
278: (Items 1-2, 5)	Fischer - Tropsch, gasification

Fischer - Tropsch and Gasification (continued)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
279: 1-48, 52 - 56, 0106 - 0171, 0294 - 0937 281: 1-103 282: Much of reel	Gasification, <i>Michaelis</i> <i>at home</i> Fischer-Tropsch, <i>and</i> <i>Alberd</i> Metal Carbonyls
284: 89 - 126, 179 - 227	Fischer-Tropsch, (at least partially)
287: 1 - 569 (more directly, 11-120, 136 - 224, 232 - 240, 268 - 294, 305 - 308A, 312 - 395, 504 - 516, 525 - 529, 532 - 569	Fischer-Tropsch, catalysts (some indirectly)
288: 575 - 591, 595 - 602, 636 - 648, 681 - 700, 703 - 982, 997 - 1169	Fischer-Tropsch, including catalysts
289: 1170 - 1205, 1222 - 1225, 1242 - 1249f, 1299 - 1349, 1376 - 1477, 1545 - 1552	Fischer-Tropsch, including catalysts
290: 2140 - 2142, 2183 - 2193, 2243 - 2251, 2277 - 2292, 2413 - 2416	Fischer Tropsch, including U.S. patents
291: 3069 - 3084A, 3339 - 3345, 3364 - 3376, 3377 - 3408A	Fischer - Tropsch
292: 3408B - 3424, 3572 - 3574 3734 - 3828, 3853 - 3889, 3915 - 3924, 3937 - 3979	Fischer-Tropsch, including catalysts
293: 4157 - 4775	Fischer-Tropsch indirectly (monthly lab and plant reports, Ruhrchemie

Fischer - Tropsch and Gasification (continued)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
294: 4776-5419, 5520 - 5527	Fischer-Tropsch indirectly (monthly lab and plant reports, Ruhrchemie)
295: 5734 - 6080, 6435 - 6485	Fischer - Tropsch
296: 6862 - 6878, 6912 - 6948, 6958 - 6972, 6981 - 7056, 7077 - 7215, 7226 - 7276, 7294 - 7307, 7316 - 7319, 7355 - 7363	Fischer - Tropsch, including catalys
297: 7397 - 7482, 7606 - 7637, 7653 - 7685, 7715 - 7718, 7745 - 7748, 7903 - 7907, 7961 - 7964, 7969 - 7972, 7977 - 7978, 7981 - 7984, 8039 - 8041, 8071 - 8092, 8122 - 8125, 8161 - 8176, 8183 - 8202	Fischer - Tropsch, including catalys and patents
298: 8203 - 8406, 8432 - 8472	Fischer- Tropsch
299: 5 - 10, 55 - 108, 115 - 280, 359 - 365, 423 - 456, 536 - 543b, 565 - 576	Fischer - Tropsch
300: 6741 - 6764, 6861 - 6870 6945 - 6954, 7105 - 7124, 7136 - 7147	Fischer - Tropsch
301: 617 - 622, 1367 - 1379	Fischer - Tropsch, including catalys
304: 607 - 1592	Fischer - Tropsch, including synthesis gas, cobalt catalysts, iron catalysts

Fischer - Tropsch and Gasification (continued)

Reel: Frame, etc.

Subject

305: 1593 - 1795

Fischer - Tropsch, including iron
catalysts

Fischer Tropsch and Gasification (Page Eleven)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
259: 1 - 664, 665 - 1124	Fischer-Tropsch; alkazid, Claus, synol
260: 108-120	Methanol synthesis
274: 1072-1391, 1437-1492, 1554-1592, 1607-1631, 1637-1775, 1790-1799	Gasification, some later ones indirectly
278: (items 1-2, 5)	Fischer-Tropsch, gasification
279: 1-48, 52-56, 106-171, 654-931	Gasification
284: 89-126, 179-227	Fischer-Tropsch (at least partially)
287: 1-569	Fischer-Tropsch, catalysts (some indirectly)
288: 575-591, 595-602, 636-648, 681-700, 703-982, 997-1169	Fischer-Tropsch, including catalysts
289: 1170-1205, 1222-1225, 1242-1249f, 1299-1349, 1376-1477, 1545-1552	Fischer-Tropsch, including catalysts
290: 2140-2142, 2183-2193 2243-2251, 2277-2292, 2413-2416	Fischer-Tropsch, including U. S. Patents
291: 3069-3084A, 3339-3345, 3365-3376, 3377-3408A	Fischer-Tropsch

Fischer-Tropsch and Gasification (Page Twelve)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
292: 3408B-3424, 3572-3574, 3734-3828, 3853-3889, 3915-3924, 3957-3979	Fischer-Tropsch, including catalysts
293: 4157-4775	Fischer-Tropsch, indirectly (monthly lab and plant reports, Ruhrchemie)
294: 4776-5419, 5520-5527	Fischer-Tropsch, indirectly (monthly lab and plant reports, Ruhrchemie)
295: 5734-6080, 6435-6485	Fischer-Tropsch
296: 6862-6878, 6912-6948, 6958-6972, 6981-7056, 7077-7215, 7226-7276, 7294-7307, 7316-7319, 7355-7363	Fischer-Tropsch, including catalysts
297: 7397-7482, 7606-7637, 7653-7685, 7715-7718, 7745-7748, 7903-7907, 7961-7964, 7969-7972, 8039-8041, 7071-8092, 8122-8125, 8161-8176, 8183-8202	Fischer-Tropsch, including catalysts and patents
298: 8203-8406, 8432-8472,	Fischer-Tropsch
299: 5-10, 31, 55-108, 115-280, 359-365, 423-456, 636-543b, 565-576	Fischer-Tropsch

Fischer-Tropsch and Gasification (Page Thirteen)

<u>Reel: Frame, etc.</u>	<u>Subject</u>
300: 6741-6764, 6861-6870, 6945-6954, 7105-7124, 7136-7147	Fischer-Tropsch
301: 617-622, 1367-1379	Fischer-Tropsch, including catalysts
304: 607-1592	Fischer-Tropsch, including synthesis gas, cobalt catalysts, iron catalysts
305: 1593-1795	Fischer-Tropsch, including iron catalysts