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## **Leo Baekeland Diary Volume 4A, 1909**

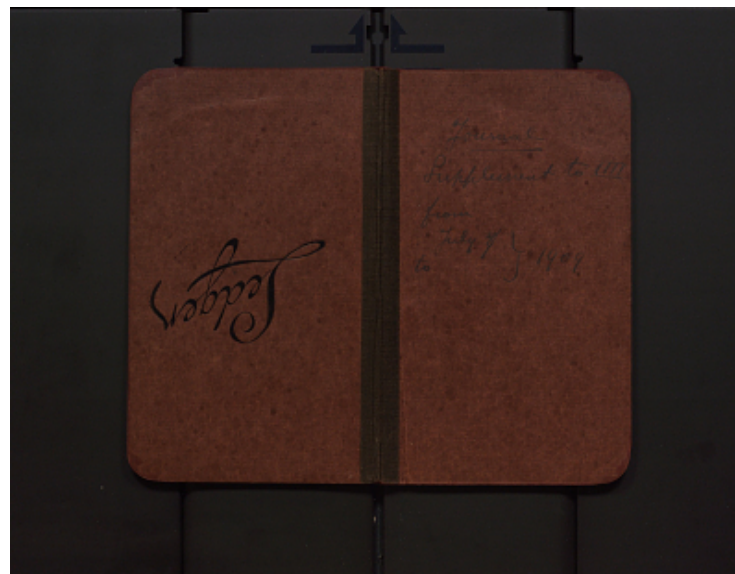
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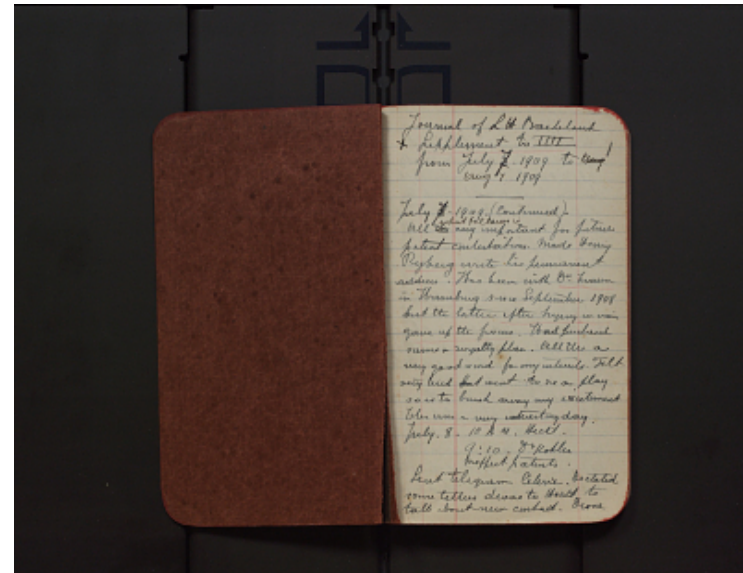
[[preprinted]] Ledger [[/preprinted]]  
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Supplement to IIII  
from July 8 to } 1909



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Journal of L. H. Baekeland  
[[margin]] X [[/margin]] Supplement to III  
from July ~~8~~ 7. 1909 to ~~Aug~~  
~~[[margin]] 1~~ Aug 7 1909  
[[line]]  
July ~~8~~ 7. 1909 (continued).  
All ~~this~~ what follows is  
very important for future patent contestations. Made Henry  
Ryberg write his permanent address. Has  
been with Dr. Braun in Hamburg since  
September 1908 but the latter after trying in vain gave up  
the process. Had purchased some on royalty plan. All  
this a very good record for my interests. Felt very tired but went to see a  
play so as to brush away my excitement. This was a very  
interesting day.

July. 8. 10 AM. Hecht.  
9:10. Dr Kohler  
Meffert patents.  
Sent telegram Celine. Dictated some letters drove to Hecht to talk about  
new contract. Drove



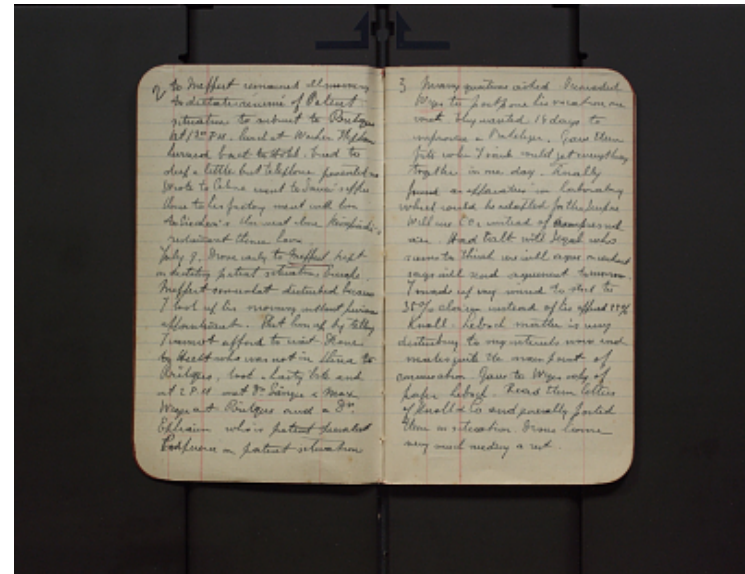
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2 to Meffert remained all morning to dictate resume of Patent situation to submit to [Reutgers?] at 1:30 PM. lunch at [Weihen Stephan?] hurried back to Hotel. tried to sleep a little but telephone prevented me Wrote to Celine went to Sauer's office hence to his factory went with him to Siechen's then went alone [keinpinski's?] restaurant thence home.

July 9. Drove early to [Meffert]. kept on dictating patent situation Europe. Meffert somewhat disturbed because I took up his morning without previous appointment. Shut him up by telling I cannot afford to wait. Drove to Hecht who was not in thence to [Reutgers?], took a hasty bite and at 2 P.M met [Dr. Sanger & Max Weger at [Reutgers?]] and a Dr. [Ephraim] who is patent specialist Conference on patent situation

[[end page]]  
[[start page]]

3 Many questions asked. Persuaded [Weger] to postpone his vacation one week. They wanted 14 days to improve on Bakelizer. Gave them fits when I said could get everything together in one day. Finally found an apparatus in laboratory which could be adapted for this purpose Will use CO2 instead of compressed air. Had talk with [Segal] who seems to think we will agree on contract says will send agreement tomorrow. I made up my mind to stick to 35% claim instead of his offered 25% [Knoll - Lebach] matter is very disturbing to my interests now and makes quite the main point of conversation. Gave [Weger] copy of paper [Lebach]. Read them letters of Knoll & Co and generally posted them on situation. Drove home very much needing a rest.



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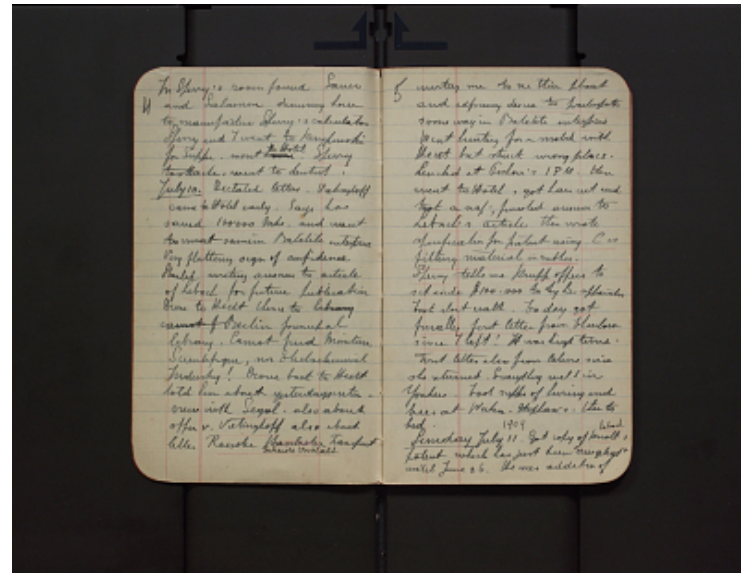
In Sperry's room found Sauer and Solomon discussing how to manufacture Sperry's calculator Sperry and I went to Keinpinski's? for supper. went ~~to~~ home ~~to~~ Hotel. Sperry toothache. went to dentist.

July 10. Dictated letters. Vielinghoff came to hotel early. Says has saved 100000 Mks enterprise Bakelite Very flattering sign of confidence Started writing answer to article of Lebach for future publication Drove to Hecht thence to ~~library~~ Berlin principal library. Cannot find Moniteur Scientifique, nor Electrochemical Industry! Drove back to Hecht told him about yesterdays interview with Segal also about offer v. Vielinghoff also about letter Roessler Hasslacher Transport  
Schude Contract?  
[[end page]]  
[[start page]]

[[margin]] 5 [[/margin]]

inviting me to see their plant and expressing desire to participate some way in Bakelite enterprise. Went hunting for a mold with Hecht but struck wrong place.

Lunched at Pichon's? 1 PM. then went to Hotel, got hair cut and took a nap; finished answer to Lebach's article then wrote specification for patent using C as filling material in rubber. Sperry tells me Krupp offers to set aside \$100.000 to buy his apparatus Took short walk. Today got finally first letter from Thurlow since I left! It was high time. First letter also from Celine since she returned. Everything well in Yonkers. Took supper of herring and beer at Wiehen-Stephan's. then to bed. Sunday July 11 1909. Got copy of Knoll Lebach, patent which has just been "ausgelegt" until June 26. He uses addition of



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acid to A so as to hasten hardening. This does not disturb me because I know it is a very bad method. Anyhow uses first sulphite and does infringe my claims. Lunched at Pschorr's many students there with various colored caps. and ribbons - ~~[[kneifing?]]~~ many cut faces. Much decorum and stiff politeness just the same. What a difference with american college boys. Sperry came in my room with Dr Leber, an american chemist who studies at Charlotte. busy and knows Lebach. Says latter is a very young man graduated not long ago. Lebach is son of a braid manufacturer is about 25/26 years old. Showed my samples to Dr Leber. At 5. PM motored to Hecht met Carbone with his wife and two children on the way. who took me in his

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7

own automobile. Spent bigger part of evening at Hecht's discussing and correcting Segall's contract Several important changes made to it. Stayed for supper and came home at 11 P.M.

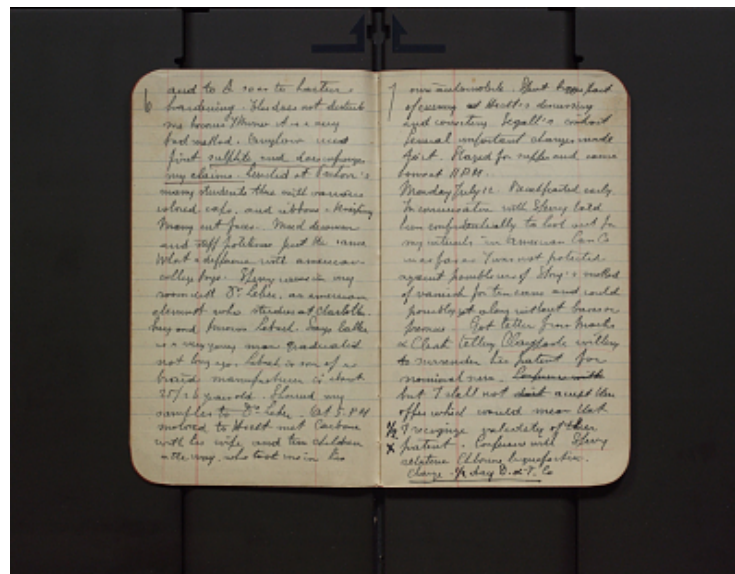
Monday July 12. Breakfasted early. In conversation with Sperry told him confidentially to look out for my interests in American Can Co in as far as I was not protected against possible use of Story's method of varnish for tin cans and could possibly get along without bases or pressure. Got letter from Martin & Clerk telling Claypoole willing to surrender his patent for nominal sum. ~~Conference with~~ but I shall not ~~do it~~ accept the offer which would mean that

1/2

I recognise validity of their

x patent. Conference with Sperry relative chlorine liquefaction. charge. 1/2 day D. & F. Co

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Blank telephones to ask me for meeting. Told him tomorrow. Busied myself further with work in on chlorine matters (Charge 1/3 to D & F Then took lunch at Siechen's. Then took cab to Reutgers and talked myself into headache answering all questions put to me by Wager and by Sänyer relative patents and process of Bakelite. At 4 P.M went with Segall over contract as I want it. He gave in easily except as to 35% share and my permanent participation. I used my best arguments to which he finally could not answer except to say would take contract along to study carefully my proposed claims. Avows that

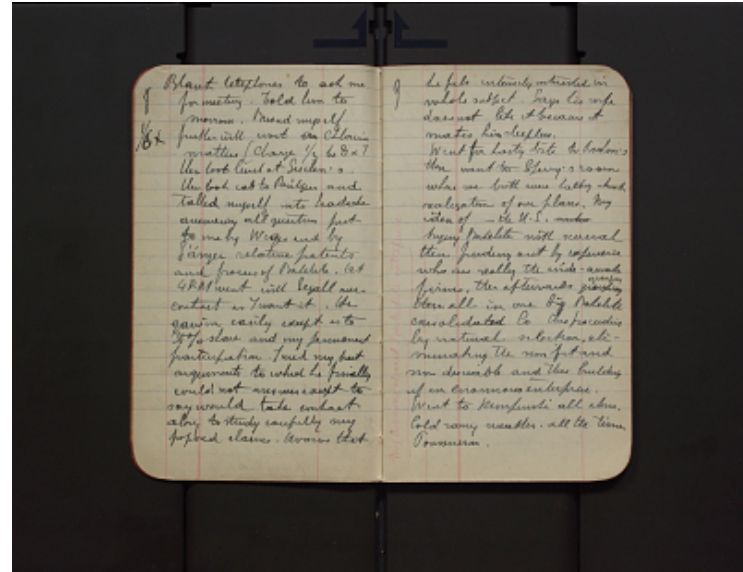
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he feels intensely interested in whole subject. Says his wife does not like it because it makes him sleepless. Went for a hasty bite to Pschorr's then went to Sperry's room where we both were talking about realization of our plans. My idea of ~~the U.S.~~ who buying Bakelite with several then finding out by experience who are really the wide-awake firms, then afterwards grouping them all in one big Bakelite consolidated Co thus proceeding by natural selection, eliminating the non fit and non desirable and thus building up an enormous enterprise. Went to Keinpenski all alone. Cold rainy weather. all the time. Poursneron.

My dreams about Bakelite enterprise



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July 13.

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Busy morning, dictating letters wrote to Blank cancel appointment because I do not care to have him in our group. He is too slow and petty I wonder how he will like it? At noon Sperry has conference with engineer of Börnig and with Traub. took lunch (Brucklings?) and Hühn at Pschorr's. Dictated more letters then went out for a stroll thru Sieqerallee. good Statuary Statue. - Bronze statue amazon)

~~horseback~~.

Thiergarten well kept part. At 8 P.M. Took supper at Liebruck's. And there also a lieutenant All seemed very cheerful. Drove off at 11 P.M. Took glass beer Pschorr's thence to bed.

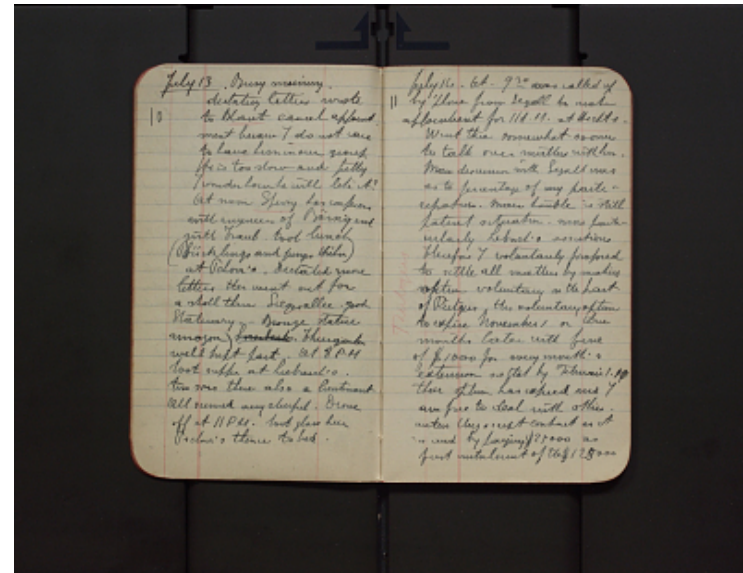
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July 14

11

At 9:30 was called up by 'phone from Segall to make appointment for 11 A.M. at Hechts Went there somewhat sooner to talk over matters with him. Main discussion with Segall was as to percentage of my participation. Main trouble is still patent situation. more particularly Lebach's assertions Therefore I voluntarily proposed to settle all matters by making option voluntary on the part of Rutgers, this voluntary option Rutgers to expire November 1 or three months later with fine of \$1000 for every month's extension so that by Februar 1.10 their option has expired and I am free to deal with others unless they accept contract as it is and by paying \$25000 as first installment of the \$125000



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Went to Meffert' office thence to restaurant then drove to Hotel. Afternoon Weger and Senzer came to see my samples. Saw the Emperor on horseback, looks less stern than on his pictures makes a manly appearance They tell me he is lame on one side. He actually does not show this as he rides very well.

What shall I do now with Hecht and what will he propose in case deal with Reutgers does not do thru?

Perhaps make directly stock Co. 4 Million Marks of which I get 1/3 straight in stock and nothing else.

Supper at Pschorr's then went to Opera with Sperry.

Sperry. Flying

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Dutchman. music good. singing not so well.

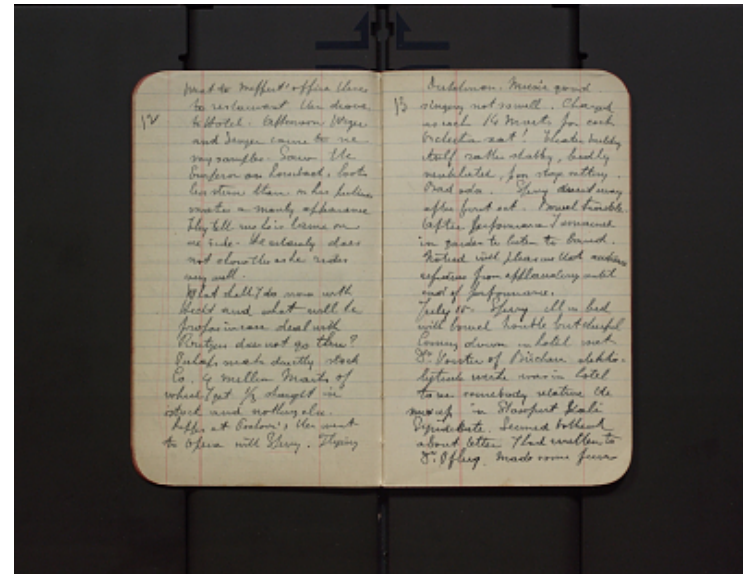
Charged us each 14 Marks for each Orchestra seat!

Theater building itself rather shabby, badly ventilated, poor stage setting. Bad odor. Sperry went away after first act.

Bowel trouble. After performance I remained in garden to listen to band. Noticed with pleasure that audience refrains from applauding until end of performance.

July 15. Sperry ill in bed with bowel trouble but cheerful coming down in hotel met Dr. Vorster of Büchau elektrilytische werke was in hotel to see somebody relative the mix up in Slassfurt S Kali Syndicate. Seemed bothered about letter I hand written to Dr. Ofiuq, Made some fun

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of his secretive methods and his fear of competition from D & F. Co. Before a few minutes conversation he invited me to come and see their Chlorine liquefaction plant at Ammendorf! Motored to Siemens & Halske Werke Nonnendam Their buildings do not look very modern in construction although only 5 years old. In some instances exterior is built with better taste than factory buildings in U.S. but electric wiring, plumbing and general distribution of buildings is not as well as in modern factory buildings in U.S. Mr. Enzelhardt was on his vacation so I met Dr. Georg [[Erlivein?]], other engineer

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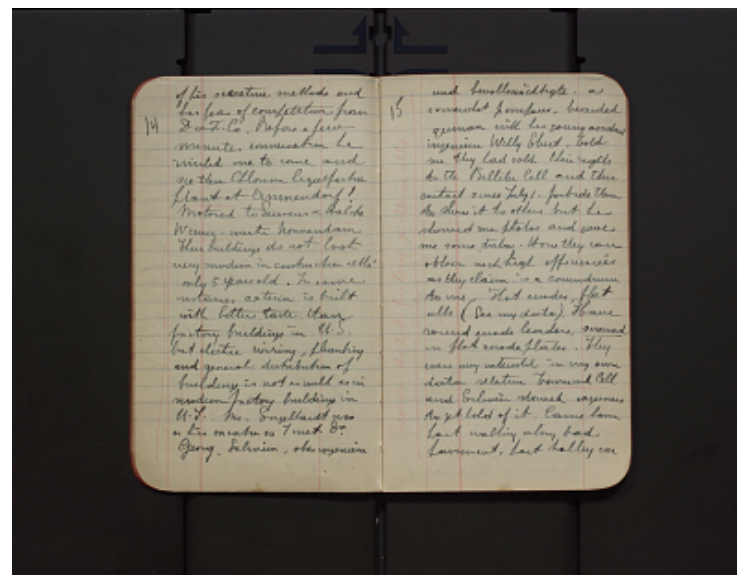
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[[margin]]15[[/margin]]

[[margin: vertical line from top to bottom]]Siemens Halske factory & chlorine cells [[/margin]]

and [[bevollmächtigte?]], a somewhat pompous, bearded german with his young assistant engineer Willy Ebert. Told me they had sold their rights to the Billiter Cell and their contract since July 1. Forbade them to show it to others but he showed me photos and gave me some data. How they can obtain such high efficiencies as they claim is a conundrum to me. Flat anodes, flat cells (See my data). Have round anode leaders, [[screwed]] in flat anode plates. They were very interested in my own data relative [[Townsend Cell]] and [[Erlivein?]] showed eagerness to get hold of it. Came home part walking along bad pavement, part trolley car

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Such a condition of affairs would not exist in the States. A large works like this after 5

years would have some kind of trolley or train connection.

[[margin]]1/2 day D & F. Co & Taxi [[/margin]]

Arriving at hotel found letter Hecht asking me to meet Segal and Dr. Mosher of Berlin Handelshammer Gesellschaft at 3 P.M. So hurried thru lunch Long conference at the former bank from 3PM to 5PM Big bank building very imposing in Behrenstrasse. This is one of the principal german banks. Bancks Rütgers.

Went over whole contract point by point. Many new points raised and Segal tried to reduce my 1/3 share in case earnings were lower than a certain amount

[[margin: vertical writing on bottom half]] Rutgers Contract [[/margin]]

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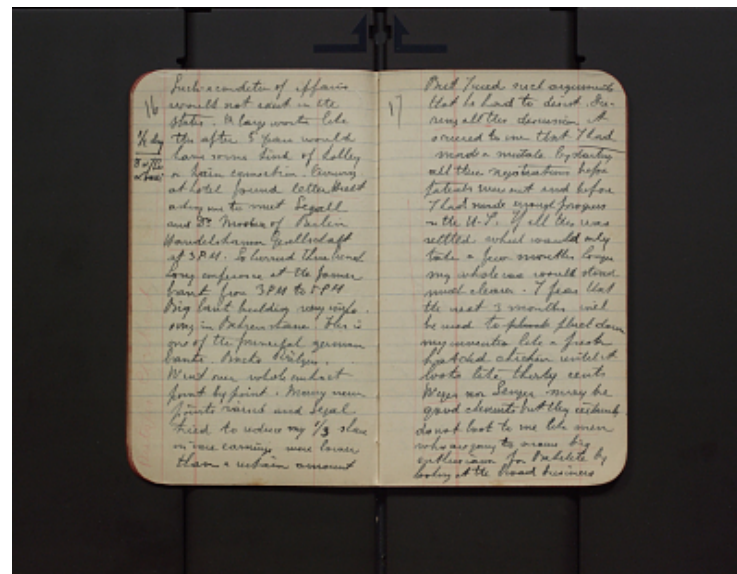
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But I used such arguments that he had to desist. During all this discussion it occurred to me that I had made a mistake by starting all these negotiations before patents were out and before I had made enough progress in the U.S. If all this was settled which would only take a few months longer my whole case would stand much clearer. I fear that the next 3 months will be used to ~~pluck~~ pluck down my invention like a fresh hatched chicken until it looks like thirty cents Weger nor Senger may be good chemists but they certainly do not look to me like men who are going to arouse big enthusiasm for Bakelite by looking at the broad business

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side of the question. Better should I wait a few months and then throw before them what I have done and treat the whole matter as a subject of record and not of doubt. After Segall let me out of his carriage before my hotel I went to Sperry's room. He was still in bed but cheerful and I developed to him my ideas as explained above and I told him that my intention is to stop all further negotiations and not sign the contract. Sperry was rather astonished at my new standpoint but after I had explained seems to agree with my views. How shall I now break

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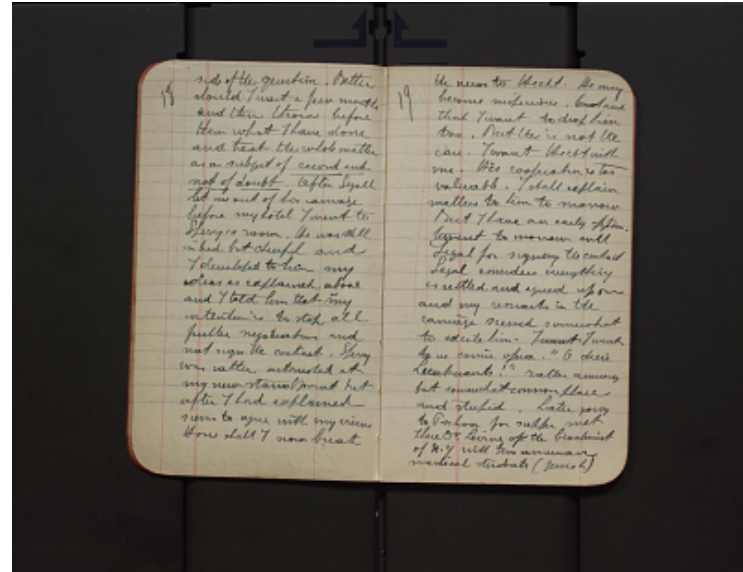
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the news to Hecht. He may become suspicious. ~~but~~ and think I want to drop him too. But this is not the case. I want Hecht with me. His cooperation is too valuable. I shall explain matters to him to morrow. But I have an early appointment to morrow with Segall for signing the contract Segall considers everything is settled and agreed upon and my remarks in the carriage seemed somewhat to excite him. ~~I went~~ I went to a comic opera. "O ~~?~~ Lieutenants!" rather amusing but somewhat common place and stupid. Later going to Pschorr for supper met there Dr. Levine ~~the~~ biochemist of N.Y with ten american medical students (Jewish)

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He sails tomorrow for NY. Mecklenberg white for supper.

[[underline]] July 16 [[/underline]]

[[red underline]] Got up this morning with my ideas unchanged relative contract. [[/red underline]] Went to Meffert; he says at best my german patents will not be allowed before January next. Went to Hecht; ~~told~~ he agrees with me that contract should not be signed as it is. While I was there Segal calls on the phone and seems anxious to talk matters over immediately. We motored to his office and after some talking agreed on simpler contract. I get 1/3 of stock and simplify patent stipulation. I think I got quite a little victory here.

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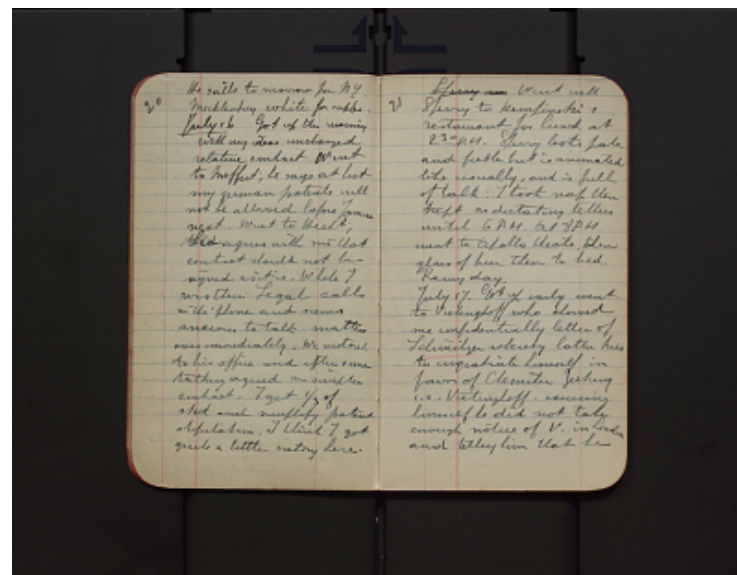
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~~Went with~~ Sperry an ~~Went with~~ Sperry to Kempinski's restaurant for lunch at 2:30 P.M. Sperry looks pale and feeble but is animated like usually, and is full of talk: I took nap then kept on dictating letters until 6P.M. At 8P.M. went to Apollo theatre, then glass of beer then to bed.

Rainy day.

July 17. Got up early went to ~~Vielinghoff~~ ~~who showed me confidentially letter of~~ Schweitzer whereby latter tries to ingratiate himself in favor of Chemiker Zeitung i.e. Vielinghoff. excusing himself he did not take enough notice of V. in London and telling him that he

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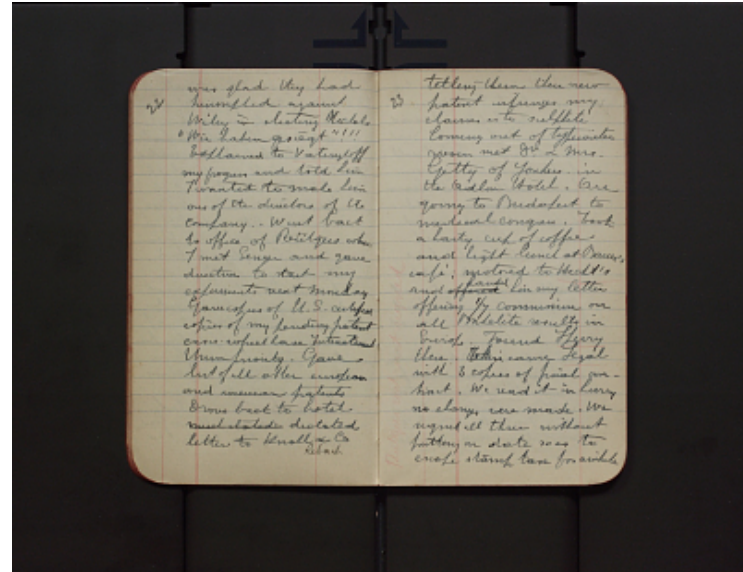
was glad they had ~~heirsupled?~~ around. Wiley in electing Nichols "Wir haben quiesgt"!!! Explained to Varinztoff my progress and told him I wanted to make him one of the directors of the company. Went back to office of Reutgers where I met Senzer and gave directions to start my experiments next Monday. Gave copies of U.S. certified copies of my pending patent cases which have International Itrum priority. Gave list of all other european and american patents Drove back to hotel ~~much elated.~~ ~~dictated letter to Knoll~~ ~~Lebach~~ ~~and~~ Co

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[[margin]] 23 [[/margin]]

Rutgers contract signed telling them their new patent infringes my claims as to sulphite Coming out of typewriter room met Dr. ~~and~~ Mrs. Getty of Yonkers. in the Adlon Hotel. Are going to Budapest to medieval congress. Took a harty cup of coffee and light lunch at Bauer's cafe; motored to Hecht's and ~~offered~~ ~~him~~ ~~my~~ ~~letter~~ ~~offering~~ ~~1/4~~ ~~commission~~ ~~on~~ ~~all~~ ~~Bakelite~~ ~~results~~ ~~in~~ ~~Europe.~~ Found Sperry there. ~~The~~ ~~came~~ ~~Legal~~ ~~with~~ ~~3~~ ~~copies~~ ~~of~~ ~~final~~ ~~contract.~~ We read it in hurry no changes were made. We signed all three without putting on elate roar to escape stamp tone for awhile



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So this settles it as far as contract is concerned  
Drove to Hotel and wired Celine. But now the real work  
begins. What will be the result. Whatever be the result it  
will learn me something and will help me to find a solid base for future  
work.

Walked to Kempinski's restaurant, took supper walked back and went  
early to bed rather tired.

During the night reread my contract

July 18. At 10 A.M. Carbone came with his motor car for me and  
Sperry drove us to Hecht and all together  
made 100 kilometer trip to Potsdam and neighbo-

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ring localities, Spandau etc. thru lovely wooded country. Saw happy  
picknicking parties etc.

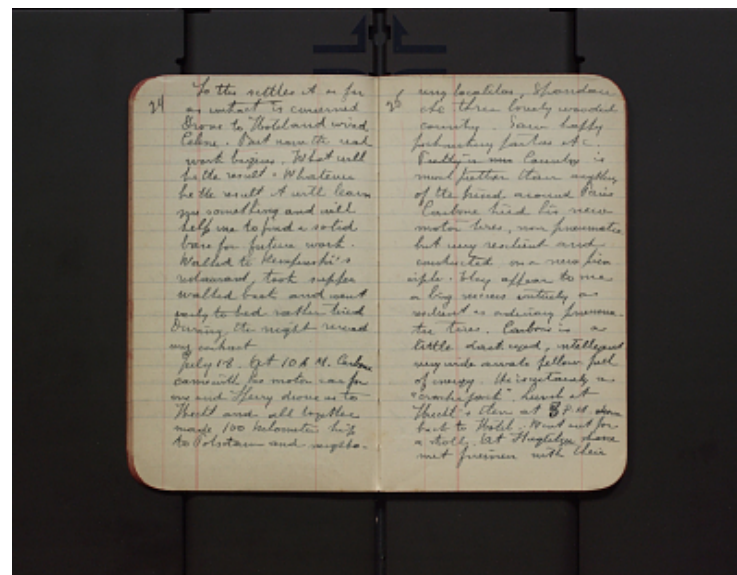
~~Pretty is mu~~ Country is much prettier  
than anything of the kind around Paris

Carbone tried his new motor tires, non  
pneumatic but very resilient and constructed on a new principle. They  
appear to me a big success entirely as resilient as ordinary pneumatic  
tires. Carbone is a little dark eyed, intelligent

very wide awake fellow full of energy. He is certainly a  
"cracker jack". Lunch at Hecht's then at 5 8

P.M. drove back to Hotel. Went out for a stroll. At Hieglitz strasse  
met firemen with their

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engines, then saw several people bandaged which came out of ambulance station. Had been burnt spectators, in ring in zoological garden where races of motorcycles were held. collision had thrown one of the motorcyclists with his burning machine among spectators. Went to Weißen Stephan's then to ~~m~~ Neues Theater. Play: Sündenregister. Plot was stupid and very vulgar. Theatre is better built than other theaters in Berlin and does not smell so bad

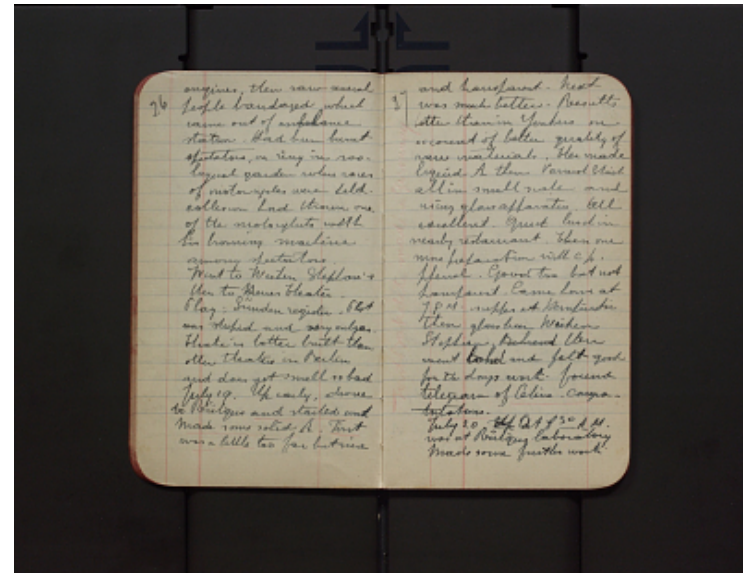
July 19. Up early, drove to Reütgers and started work  
Made some solid A. First was a little too far but nice

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[[margin]] 27 [[/margin]]

and transparent. Next was much better. Results better than in Yonkers on account of better quality of raw materials. Then made liquid A then Varnish stock all in small scale and using glass apparatus. All excellent. Quick lunch in nearby restaurant. Then one more preparation with C p. phenol. Good too but not transparent. Came home at 7 PM.. supper at Kempinski then glass beer Wiehen Stephan. ~~Behrend~~ then went ~~hotel~~ to bed and felt good for the days work. found telegram of Celine congratulations. [[/underlined]]

July 20 ~~Up~~ ~~at~~  
At 8 <sup>AM</sup> 30 AM. was at Reütgers laboratory Made some further work.  
[[margin]] First Bakelite made in Germany [[/margin]]



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but decided that the small bakelizer which we had improvised and which is supposed to be heated in oil would be too dangerous in a small place. crammed with combustible material so concluded to transport everything to Eichner. ~~First~~ ~~First~~ First drove to ~~[[Vereinigte Fabriken Laboratorien bedorf?]]~~ - Sauer and Salomon there. Bought ball mill, put in in motorcab then to Station arrived at Eichner about 1 P.M. Took harty lunch at Station while Weger went to factory to see whether everything was ready We hustled and made a run of 10 kilos of Solid A

[[marginal entry written vertically in red]] First Bakelite in Germany

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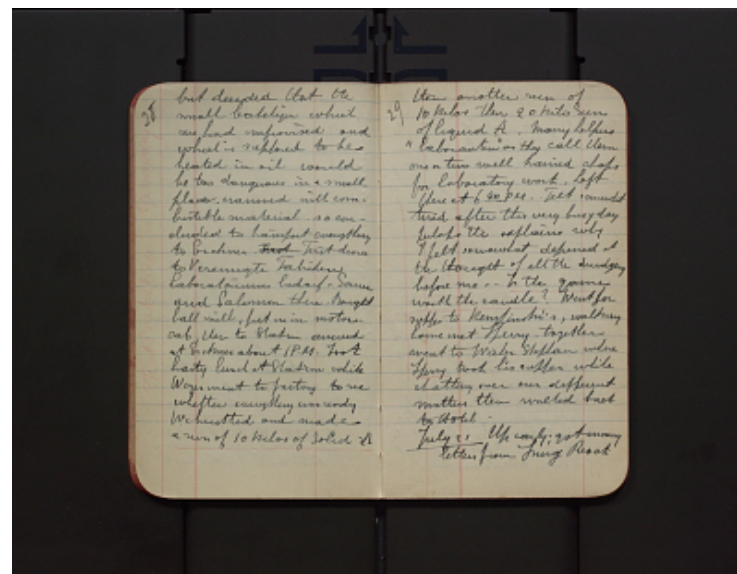
then another run of 10 kilos then 20 kilo run of liquid A. Many helpers "laboranten" as they call them one or two well trained chaps for laboratory work. Left there at 6:40 PM. Felt somewhat tired after this very busy day

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perhaps this explains why I felt somewhat depressed at the thought of all the drudgery before me. Is the game worth the candle? Went for supper to Kempinski's, walking home met Sperry. together went to Wiehen Stephan where Sperry took his supper while chatting over our different matters then walked back to Hotel.

July 21 Up early; got many letters from Snug Rock

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Am rather disturbed to learn carpenter still working there. Sent cable to stop - Celine too in her letters seems to think my job here rather easy. Train to Eichner. found them making one run Solid A 5 kilos and one run Liquid A 20 kilos. Opened our improvised bakeliser and found some beautiful transparent sticks the First made in Germany! Got a Sandwich and some cherries and kept at my job making more Solid A. Segal came here during afternoon. At 6 PM took train to Berlin. Found another letter of Celine also contract signed by Cohoe. Wrote letters until 9 PM. then went for supper to Kaiser-Keller

[[vertical marginal entry in red]] First transparent Bakelite made in Germany

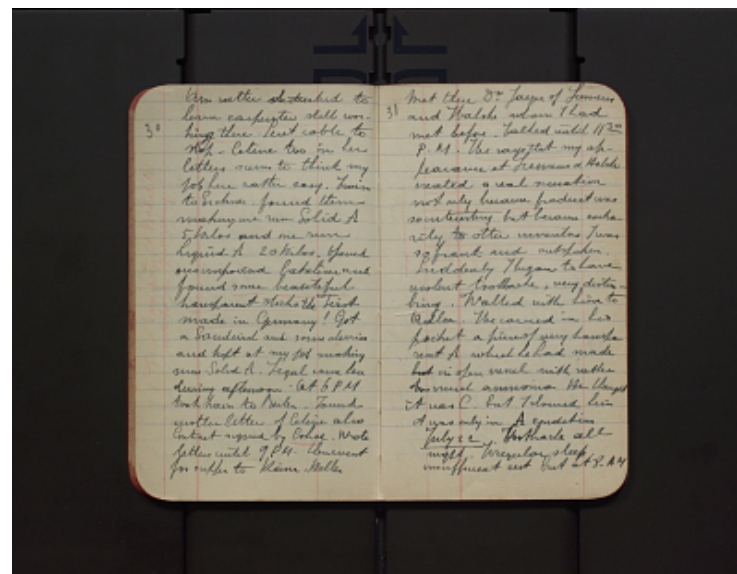
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Met there Dr. Jaeger of Siemens and Halske whom I had met before. Talked until 11:30 P.M. He says that my appearance at Siemens & Halske created a real sensation not only because product was so interesting but because contrarily to other inventors I was so frank and outspoken. Suddenly I began to have violent toothache, very disturbing. Walked with him to Adlon. He carried in his pocket a piece of very transparent A which he had made ~~in open vessel with rather too much ammonia~~ but in open vessel with rather too much ammonia He thought it was C but I showed him it was only in A condition. July 22 Toothache all night. Irregular sleep. insufficient rest but at 8. AM

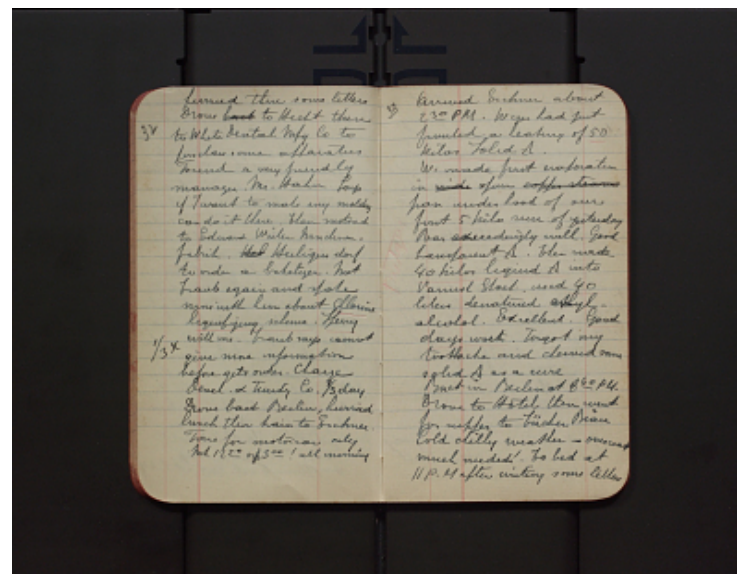
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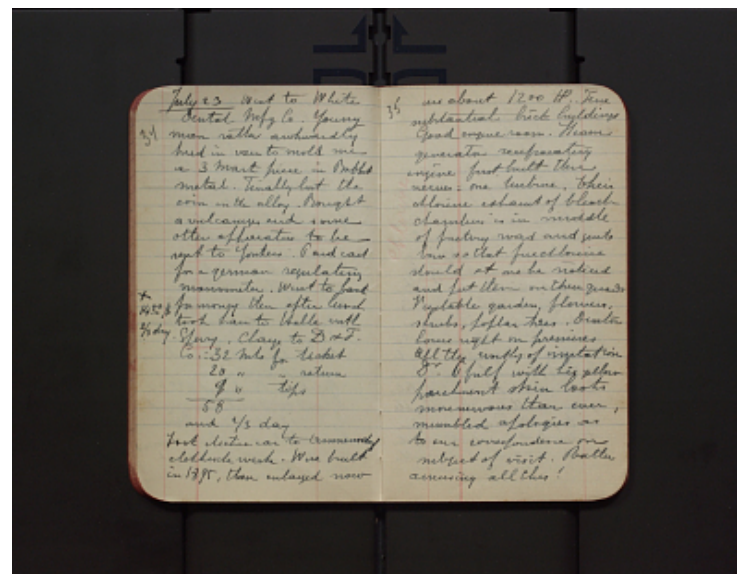


hurried thru some letters  
 Drove ~~back~~ to Hecht then to White  
 Dental Mfg Co to purchase some apparatus  
 Found a very friendly manager. Mr. Hahn. Says if I want to make my  
 molding  
 can do it there. Then motored to Edward Veihen Maschinen fabrik.  
~~Hel~~ Heiligen dorf to order a bakelizer.  
 Met Traub again and spoke more with him about chlorine  
 liquefying scheme. Sperry with me. Traub says cannot  
 give more information before gets order. Charge Devel. & Fundg Co.  
 1/3 day  
 Drove back Berlin, hurried lunch then train to Eichner.  
 Fare for motor car only Mk 12 50 or \$3  
00 ! all morning  
 Arrived Eichner about 2 30 PM. Weger had  
 just had just  
 finished a heating of 50  
 kilos Solid A. We made first evaporation in ~~wide~~  
 open ~~copper steam~~ pan under hood of  
 our  
 first 5 kilo run of yesterday  
 exceedingly well. Good  
 transparent A. Then made 40 kilos liquid A  
 into  
 Varnish Stock. used 40 liters denatured ethylalcohol. Excellent.  
Good days work. Forgot my  
 toothache and ~~some~~ solid A as a cure Back in Berlin at 8  
40 PM. Drove to Hotel then went for supper to  
 Tücher Bräu  
 Cold chilly weather ----- overcoat  
 much needed! To bed at  
 11 P.M. after writing some letters  
 Rutgers



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[[margin]] 34 [[/margin]]  
 [[underlined]] July 23 [[/underlined]]  
 Went to White Dental Mfg Co. Young man rather awkwardly tried in vain to mold me a 3 Mark piece in Babbitt metal. Finally lost the coin in the alloy. Bought a [[underlined]] vulcanizer and some other apparatus to be sent to Yonkers. [[/underlined]] Paid cost for a German regulatory manometer. Went to bank  
 [[margin]] X 14.50\$ 2/3 day [[/margin]]  
 for money then after lunch took train to Halle with [[underlined]] Sperry.  
 [[/underlined]] Charge to D. & F. Co.: 32 mks for ticket  
 20 " " return  
 [[overwrite]] 6 [[/overwrite]]  
 9 " tips  
 -----  
 58  
 and 2/3 day  
 Took electric car to [[Ammensdorf?]] elektriscle werke. Ware built in 1895, then enlarged now  
 [[end page]]  
 [[start page]]  
 [[margin]] 35 [[/margin]]  
 use about 1200 HP. Fine substantial brick buildings. Good engine room. Steam generator reciprocating engine first built then newer: one turbine. Their chlorine exhaust of bleach chamber is in middle of factory road and quite  
 [[margin]] Chlorine [[/margin]]  
 low [[underlined]] so that fire chlorine should at one be noticed  
 [[/underlined]] and put them on their guards. Vegetable garden, flowers, shrubs, poplar trees. Director house right in premises  
 All this worthy of imitation Dr. Oful with his yellow parchment skin looks more nervous than ever, mumbled apologies as to our correspondence on subject of visit. Rather amusing all this!  
 [[end page]]



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I treated whole matter lightly. He then showed us their whole chlorine liquefaction plant for 2 1/2 tons daily. Gave us full information on subject for which we exchanged our own information. Were driven over cobblestone rattling pavement in open carriage of [[Pfulf?]] by his fat driver and fat horse. Gave driver Mk 3 and arrived at Station just in time. Amused to see Sperry trying to make telegraph master with brass buttons accept english telegram written in his illisible writing. We had second class tickets but our stout conductor told us 2nd class was rather

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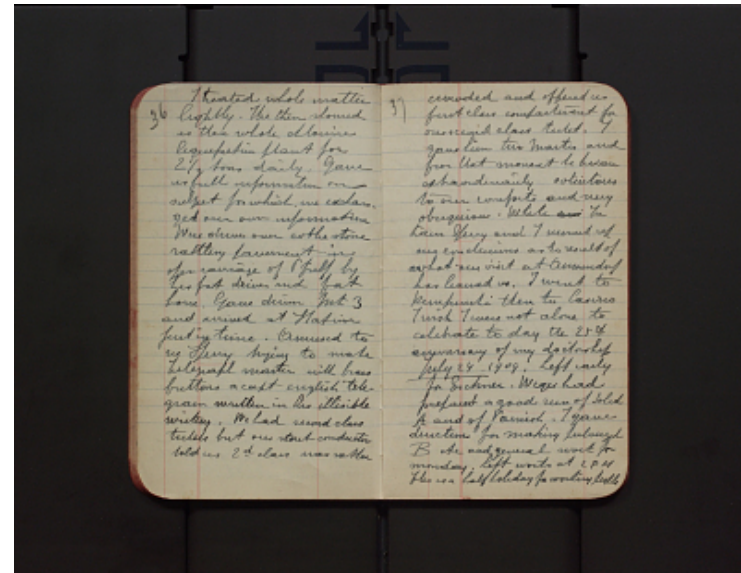
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crowded and offered us first class compartment for our second class ticket. I gave him two Marks and from that moment he became extraordinarily solicitous to our comforts and very obsequious. ~~While~~ In train Sperry and I summed up our conclusions as to result of what our visit at Armendorf has learned us. I went to Kempinski then to Casino I wish I were not alone to celebrate to day the 25th anniversary of my doctorship

July 24, 1909

Left early for Eichner. Weger had prepared a good run of Solid A and of Varnish. I gave directions for making pulverized B etc. and general work for Monday. Left works at 2 PM This is a half holiday for working people

[[end page]]



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Took lunch in Berlin at 4 PM at Heidelberger Hof. Short nap then went out and took supper at Heydelberger. Came home about midnight and at door of hotel met Hertz who had been to my hotel to see me. walked back with him to his hotel (monopole) and kept chatting together until 1:30 A.M.

Sunday 25 July. Splendid weather. Got up at 8:30 AM. Wrote all morning til 1:30 P.M met v. Vielinghoff by appointment at Kauer? Keller Promised him to make him a director. At his suggestion gave him option on 2% of my stock for three years. I figure out that on a basis of Mk 300.000 the 2% means 2% of 100000 Mk or only Mk2000. His director

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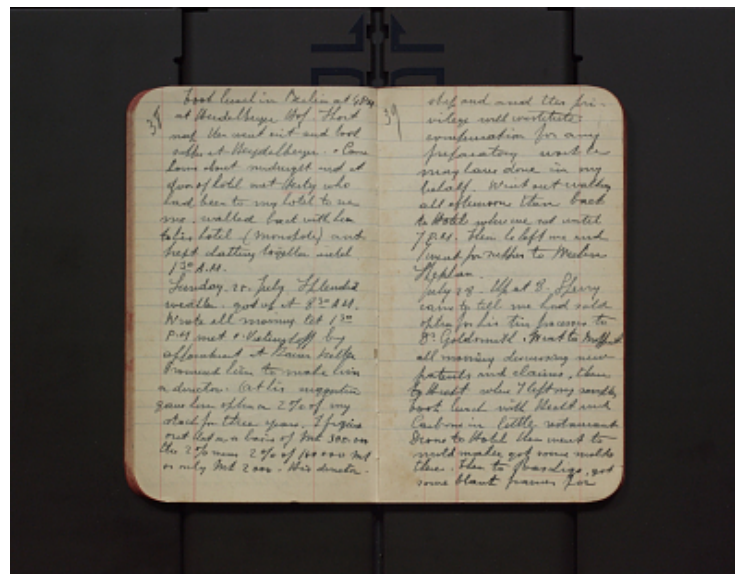
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ship and and this privilege will constitute confirmation for any preparatory work he may have done in my behalf. Went out walking all afternoon then back to Hotel where we sat until 7P.M. Then he left me and I went for supper to Weißen Stephan.

July 28 Up at 8. Sperry came to tell me he had sold option for his tin processes to Dr. Goldsmith.

Went to Meffert all morning discussing new patents and claims, then to Hecht where I left my samples Took lunch with Hecht and Carbone in little restaurant Drove to Hotel then went to mold maker got some molds there. Then to ?, got some blank frames for

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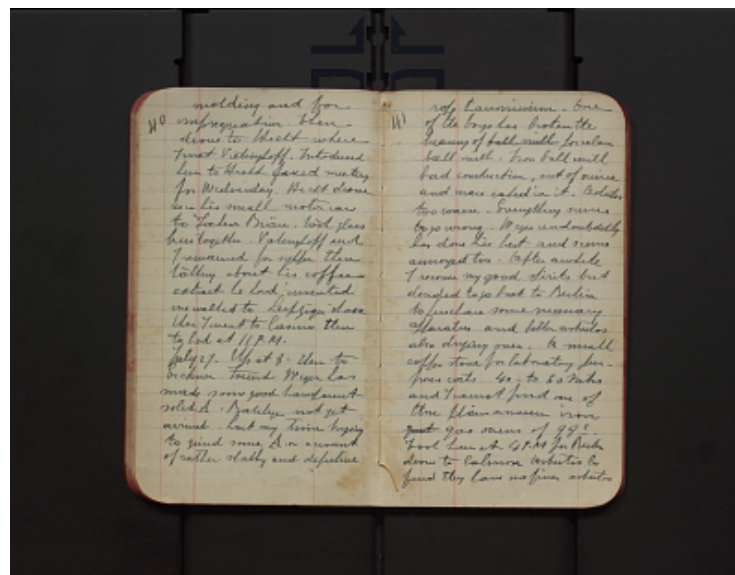
molding and for impregnation. Then drove to Hecht where I met Vielinghoff. Introduced him to Hecht fixed meeting for Wednesday. Hecht drove us in his small motor car to Liechen Bräu. Took glass of beer together. Vielinghoff and I remained for supper then talking about his coffee extract he had invented we walked to Leipziger strasse then I went to Casino then to bed at 11 P.M.

July 27. Up at 8. then to Eichner. Found Weger has made some good transparent Solid A. Bakelizer not yet arrived. Lost my time trying to grind some A, on account of another shabby and defective  
[[end page]]

[[start page]]

[[margin]] 41 [[/margin]]

rope transmission. One of the boys has broken the bearing of ~~ball mill~~ ~~porcelan ball mill~~. Iron ball mill bad construction, out of service and mass caked in it. Asbestos too worse. Everything seems to go wrong. Weger undoubtedly has done his best and seems annoyed too. After awhile I recover my good spirits but decided to go back to Berlin to purchase some necessary apparatus and better asbestos also drying oven. A small copper stove for laboratory purposes costs 40 - to 60 Mks and I cannot find one of those plain ~~iron~~ ~~gast~~ gas ovens of 98 <sup>superscript</sup> e <sup>superscript</sup>. Took train at 4 P.M for Berlin drove to Calinon Asbestos Co found they have no finer asbestos  
[[end page]]



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in Berlin, will write to Hamburg. Went back to Hotel to rest awhile. Sperry came in, is called to Hamburg so he can look at my asbestos matter there.

Feel somewhat depressed, probably too tired - Just got some letters from Celine. Went out for supper at Lieden then to see [[Herbstmanöver Schenedischer Schüssel?]].

July 28 On arriving at Hotel last night I found Walter Boroman had registered. Got up at 9 A.M. saw Boroman in his pajamas! Took motor cab to ~~visit several distant points.~~ Saw for the first time dirigible balloon near Brandenburg Gate. Gross & Parseval air ship. Stopped my drive so as to better

[[end page]]

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observe. Looks all right. Good shape. . . somewhat like a short fish. 2 rear fins and 2 side propellers.

[[image]] sketch of dirigible with fins, rudder, propeller and cab labeled

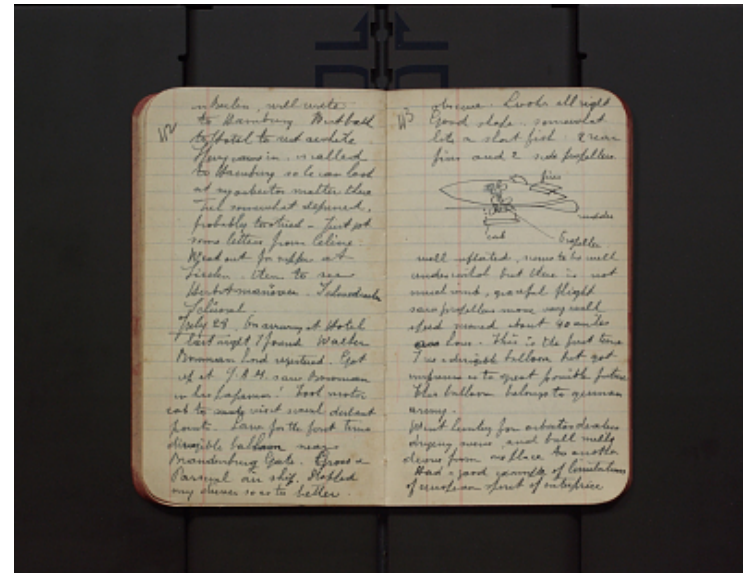
well inflated, seems to be well under control but there is not much wind, graceful flight

saw propellers move very well speed seemed about 40 miles an hour.

This is the first time I see a dirigible balloon but got impression as to great possible future. This balloon belongs to German army.

Went hunting for asbestos dealers, drying ovens and ball mills drove from one place to another. Had a good example of limitations of European spirit of enterprise

[[end page]]



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Could not find a single kitchen gas oven as those so abundantly sold and used in N.Y. Nowhere could I see an oven lined with asbestos. The only thing available are rather elaborate clumsy heavy sheeted affairs made to order. After 3 hours continuous motoring sat down for lunch at 1:30 PM. My whole expense for motoring inclusive tips was only Mk17.00! or about 3 times less than it would cost in New York. Evening conference with Reütgers Hecht Segal Vielinghoff Weger and [[Fink?]] Discussion of program before us. Afterwards went with Vielinghoff to restaurant and to Casino. Latter seems to be somewhat disappointed not to be able to put up more money in the enterprise.

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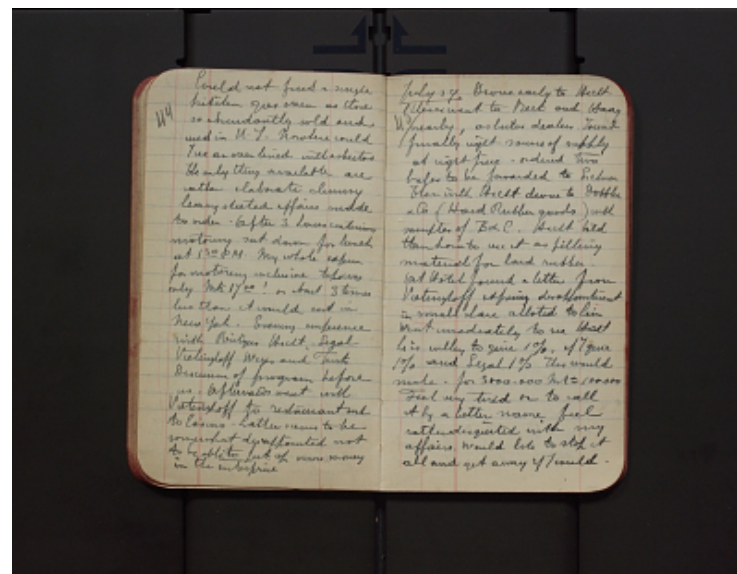
45

[[underlined]] July 29 [[/underlined]]

Drove early to Hecht thence went to Beck and Haag nearby, asbestos dealers. Found finally right source of supply at right price. ordered two bales to be forwarded to Eichner. Then with Hecht drove to Dobbler & Co. (Hard Rubber goods) with samples of B & C. Hecht told them how to use it as filling material for hard rubber. At Hotel found a letter from [[underlined]] Vielinghoff expressing disappointment in small share allotted to him. [[/underlined]] Went immediately to see Hecht he is willing to give 1% if I give 1% and Segal 1% this would make for 3000.000 Mk [[plus or minus sign]] 100.000

Feel very tired or to call it by a better name feel rather disgusted with my affairs. Would like to stop it all and get away if I could.

[[end page]]



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Wrote some letters then took supper at Rheingold after which felt in better mood. Still feel somewhat like a fish out of water.

July 30. I have made up my mind to leave here on Wednesday. Drove to Vielinghoff told him intend to ask 3% of stock for him. Seems satisfied now. Went to Segals he told me would keep 1% of his stock. Hecht and I will do the same. Kept on dictating instructions how to use Bakelite until 2 P.M. took a hasty bite. Corrected patent specifications signed new contract corrected. Drove to Hotel, 1/2X examined Sperry's report about chlorine liquefaction. Charge 1/2 day to D. & F. Co. went to steamship office and at 8:15 went for supper.

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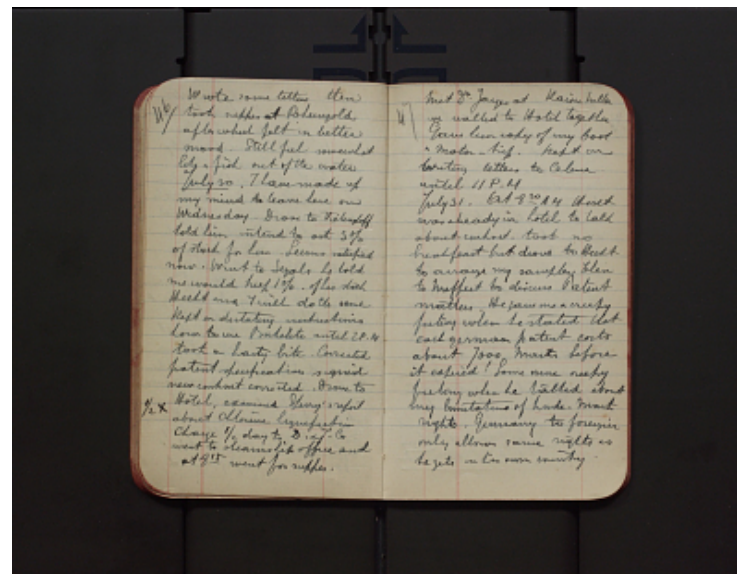
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Met Dr. Jaeger at Kaiser keller we walked to Hotel together. Gave him copy of my book on motor-trip. Kept on writing letters to Celine until 11 P.M.

July 31. At 8:30 AM Hecht was already in hotel to talk about contract. took no breakfast but drove to Hecht to arrange my samples. Then to Meffert to discuss Patent matters. He gave me a creepy feeling when he stated that each german patent costs about 7000 Marks before it expires! Some more creepy feeling when he talked about my limitations of trade-mark rights. Germany to foreigners only allows same rights as he gets in how own country.

[[end page]]



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Meffert advises me I should let Hecht take out patent in his name and get it out as broadly as possible. But German law does not allow him to assign it to me as an individual, but he can assign it to a German firm doing business in Germany. Went to Dr. Nelson to arrange power attorney for Mr. Hecht. Charges me 8 marks and still 10 marks due for Stamps to be attached. What this army and all their bureaucrats cost! Took train to Eichner found Weger very busy, remained there until 6:30 PM. Sperry tells me he leaves tomorrow

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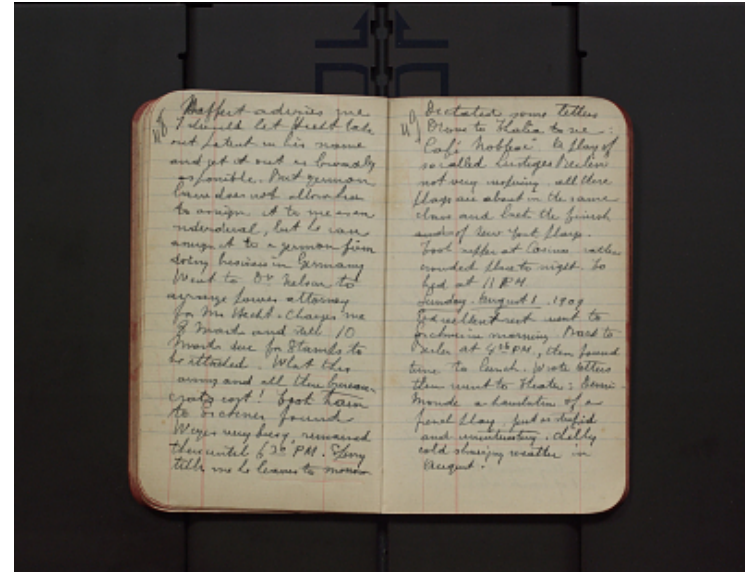
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49 Dictated some letters. Drove to Thalia to see: "Café Noblesse" A play of so called Lustiges Berlin not very inspiring. all these plays are about in the same class and lack the finish ~~and~~ of New York plays. Took supper at Casino rather crowded place to night. To bed at 11 P.M.

Sunday, August 1, 1909

Excellent rest went to Eichner in morning. Back to Berlin at 4:06, then found time to lunch. Wrote letters then went to Theater: Demi-Monde a translation of a French play, just as stupid and uninteresting chilly cold shivering weather in August!

[[end page]]



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