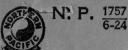
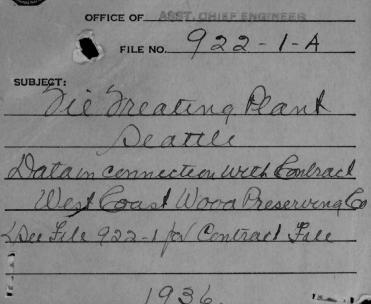


Northern Pacific Railway Company. Engineering Department Records.

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Mn Loom fegures Ureen nes - 125 lbs each

154rs 1926-36 1937-41. Contract payments for this

" other mall

Solal. 655.142 233.100 170.535 58400 291.500 825 677 Contracta Ofta Costs 356.792 179715 amortization of Plant in 15 year 200 000 100000 126.000 aggregate Sulerest 0 6 for see 682792 2977:15 142 885 (6215)

96 69885 28585 69885 111 78 5 45 735 181670 136670 (6.(1) Propel on Cross Enes; 3858.514 (3) " Dew Tres: 11. 1617. (3) " Lu-Preus. 9.740 m 78735 14.397 43.538 1 136670 9111. average Profit per year (D) Profet ferst 10 year n' perend 10 u 142.885 (62157) 136670.

0

1926-36.

1937 - 4/

Profet amort 10 year.

69885

111785

a 15 years.

+ 73000 . 142885° 2118000).

181 82.0

1

Horthun Bacylic Dy Co. Statem A dotherting axisties under profused new centract at Seattle for the menter of ties regund for 10 year pend as outlind in statement 10 sept 10-1936. (Paragraph 5.) Contract price 6,25 per M for complete treatment is equivalent to 2331 per tre (7+8-8') Gazine arrive of 200,000 his per year. (4) Duretly assignable Items 4.01125 Doloading and stacking green ties 3) Removing seasoned ties to conveyor .00250 .00250 3 Conveyor work 4) Bong adamy, masny + Charging retorts .00900 Deading out trialed ties for shipment 100625 b Full- Steam, pamer .02000 D Olan labor-operation + repairs 102100 .02385 3) Material & Sufflies, tract + bldg maint. 9.19635

Bodinetty assignable Tayes.	
D'Slate And. Tax+ Workman Cinifusatur. 0215 pu hr.	8,0017
@ Federal Societ Security act 2.1% of Labor	.0011
3 Business & accupational Tax 14% Gross Business	10008
Sur total	.0036
(2) General Ceruhiad +ttc	
Daniel and Plant Suprime :	*.0180
2 Taxes on Plant	.0180
3 Lusmance on plant	> 10020
	.0380
Sul-Total	The Date of
(D) Overhead-Dilvistment Costs (Interest 6% see	hundren 5%)
Danvelization of plant 300,000 in 20 years Dantuist on Invistment 300,000 @ 670	.07500 V
	1043242
Entrolo	
(E) averliad - Invishment Cisto (Intrist 5% &	epicialin 3 %)
O Commerting atrong plant 300,000 in 33 years	10450001
Danvitization of plant 300,000 in 33 years Destrict on Involment 300,000 @ 5%	TIN 097 22
me	Total . 087 375

Since (Luterist 6% Leprenation 5%) (A) Sirictly assignable Itims ,09635 100360 B Directly assignable Toxes .03800 O General averhead + Etc .11.824 D) Cherhad - Inesmut Cests .25619 Total Cists Payments received \$.23310 . Loss Loss prour of Cost 9.02% Dinn og (Interest 5% Deparciation 3 %) Dinnedly basignable Items 4.09635 .00360 1 Streetly assignable Tayes. 103800 C) General Ceruhad + Etc .08738 (E) Overhead-Invisiment Cesto 22533 Total Cists .2331 Taymerilo recened \$.00777 Profit. Profit per cut of list . 34 % hote- In each case the first ten years interest and amortization charges are allocated to the ten year asof Chillian Dec. 31-1936

Northern Pacific Ry Co. Statust Al Estimated Segregation of cests to Contractor on treating material at Scalle Clant, for Cross ties only. Based on average of 300,000 pcs 7+8-8' the Egunalents. This is a restalement of Statement 18-6 Seft. 17-1936 for different berses. of amorbigation and interest charges (Paryraphb) antiact give 630 per M for 12 he tredtment is equivalent to 243 per tie (778-8). actual price said contractor for treatment of all cross tres to aug 1- 1936 was 2600 per til cereng all additud changing A) Directly assignable Llines D Unloading and stacking green ties 7.01125 Danving secround ties to conveyor. .00250 .00 250 3 Comeyor work Deading and treated the for shipment .00900 .00625 .02000 6) Fuel - steam, Juwer Delant labor, - operation + repairs Delant labo 102100 .01590 9.08840

Balinetly assignable Tayes	
Dotate Linduration Tax + Workmen's Congusalin. 0215 on his	1,0017
D'Federal Security het 2,1 % of Labor	.0011
D'Federal Social Security act 2.1 % of Labor Barreners + accupational Tay 1/4 % on Gross Business	2.0008
Sur foldl	9.0036
C) General Overhead tete	A
DGineral + Plant Supmen	9.0120
DGmeral + Plant Supmen. 2 Taxes in plant	.0120
3 Durmance in Plant	0010
Sub Total	
Danitizalin of plant 300,000 in 10 years 2 Dulerest on Durshut 300,000 @ 6 %	
Danvitigalin of plant 300, vor in 10 years	.1000
Dellerst on Durshult 300,000 @ 6 %	7/330
E Orighad - Investment Cesto Outerest 67 Depresant	
Danishad - Smeshow Cists Quillest 6 / Deputation	\$
D'anvertigation of plant 300,000 in 20 years 2 Queleust on Question 300,000 C 67.	0.05000
Sur Total	9.09815
(F) One bigd - Ennestment Costs Enterest 51/2 depression	- A - A - A - A - A - A - A - A - A - A
Danvitization of plant 300,000 m 33 years	# 030001
Darliest on Investiget 300,000 @ 5%	.043251
Danvitizatur of plant 300,000 m 33 years Darlinest on Investight 300,000 @ 5%. Sub Total:	1.073251

Ening (Interest 6% Alpecation 10%) \$.08840V A) Durith assignable Itims .00360 V B Dueil assynable Tayas Q General aruhad 1. Etc .025001 .13300 D'Ornheid-Instruct asts 25000 Tolal lists :260001 Pagnuts received .010000 Profit rotal Onefit becaut of Cast 4% Sur (Interest 6 % Deprecation 5%) A Aludy assignable Iturs 4.08840 100360 B) Sirectly assignable Tayes .02500 @ General areshed & the 1098151 E) Orechial - Inestruct Cests Total lists .2+5151 Payments Record .26000 Profit Perceil of list 20.870

3%) Sing (Interest 5) depreader A Duritty assignable Ilins 9088401 Bernal assignable Torges

Bernal arished tele

Edwirliad Arrished Cists 100360 × .02500V .07325 119025 total lists \$ 26000 V Payment ricend .069751 Orufin purent of Cest 36.670 Note- In each case the first ten years wherest and amortization charges are allocated to the period in question, namely ten year pund ending alec. 3/- 1936. asst Chieflung St. Paul him QN. 23-1986

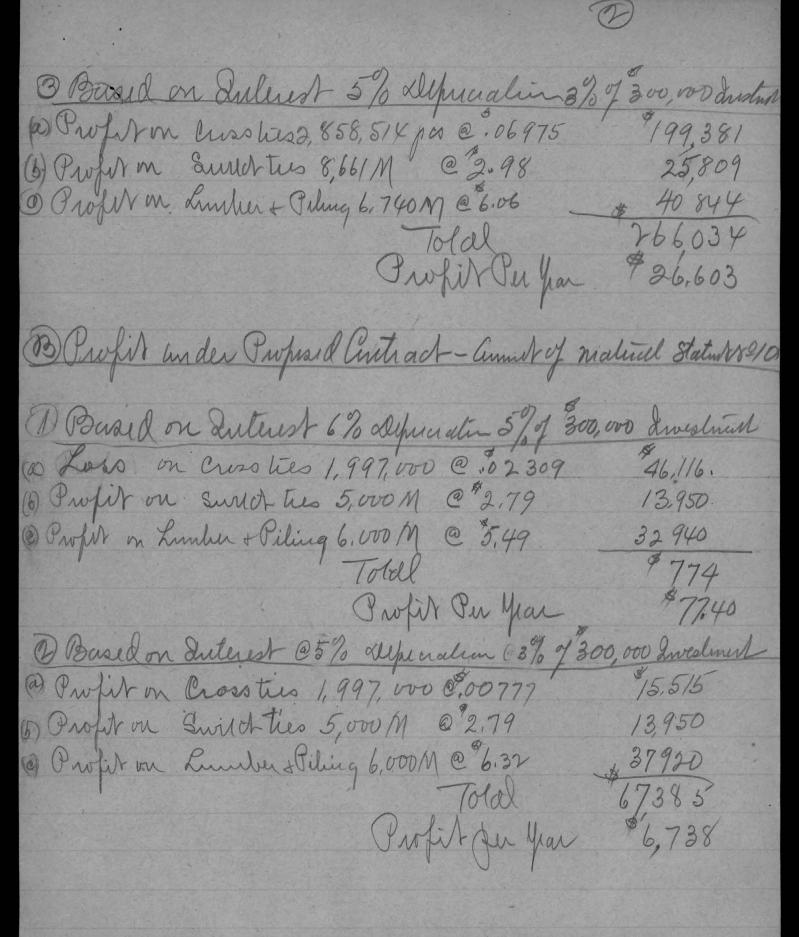
Morthern Pacific Ry. Co Statust B affirmate estimates of total proper to the Culticator for heating M.P. material under existing and propered contracts (Barograph 7) A) Profils under present Centract expirme de c. 31-1936 D Based on Duterest 6% Seprenatur 10% of 300,000 Inestruct (2) Profit on Cussties 2,858,514 pos @ 18 (3) Profit on Switch Ties 8,661 M MBM @ 1.29 (3) Profit on Lumber + Piling 6,740 M MBM C*4,47 Total

Profit Pu year 28,585 11,172 .30,128 69885 6,988 2) Based on Dulinist 6% dependetion 5% of 300,000 duestust 128,2042 @ Profet on Custres 2,858,514 pcs @.04485 (6) Profit on Surtor lies 8,661 M / 1844 @ 2.32 20,093 @ Profer on Lumber & Piling 6,740 M/Bl @ 5.40 36396 \$ 184,693 Profit Per yea 718,469

46 116/ 60 8/6 6 32/940 93006

1

1



Note-Under Leading (B) Profits wider proposed Curticact the Orienhead - Innestment Costs has all been abserted by the etem cross tres (Statem A) because the data on probable use of surect her timber and peling for the ten year served is more indeffinite than on cross ties, the net result home would be the Same as though these changes had been spried unformer orn all the Product The divisions of profit as a ceruing to sund thes, limber and piling are, in the absence of date on with thandling costs, interpolated from cross the costs and are therefore not accurate or reliable. asst Chiefling. St. Paul Min. Qch. 27-1936

Northern Pacific Ry- Statem No C apprimate results to G. Nand Halinal Pole and Trialing Co, operating under fire you contract Adlid June 1- 1936 effective May 1-1937 This is a restatement of statement Nº 13 dated Sept. 17-193 X · (Garagnaph 9) A Results to G, N. bused on array the 7+8-8'. Per Tie Costo to G.N. ,0120V D Taxes on plant 10010 2) Luance en plant 3 State Industrial Tay + Workmens Confusation DIedual Secure Tay + Brames + Compatinel Tay .0017 .00 19 :0166 8) Total Taxis D'Contract payment @ 8.96 per MBM D'Total Cest Torres and Contract work prices * . 3319 .3485 .0243 8 G. N. Blank divestrul 500, 000 @ 570 caverage 12,625 OG. N. Plant amorly alon 500, 000 @ 3% = "15, 000 10264 9.3992 .0622 D Chedit Rental recent 35,000 1) The Cost to 6. M. .3370 3 71. P. Cist, Seattle (new contract) 1,2331 1.1039 Queriand Con to G.N 44,56% Luciane

B Risults to Untractor D Vanlvadung + stuckning green tres D Removing Densund ties to Conveyor .01/2.5 .00250 .00.250 3 Cinney or work. Downing adomy, and Charging retorts

Dhading out treated the for shepant .00900 .00625 .02000 102100 O Plant labor, operation + repairs 101500 & Malinal and Sufflies a Maintenance of yard tracks 6 miles, 3,500 .00311 .09061 10 Total direct Costs 11) Lutur + dep. on ames + le comolus 60,000 @ 10 % 6,000 .01639 Beneral and plant Superin - 22,000

But Total

Bull Jayment to G. N. 35,000

By grand Total Cost to Contractor

B Receives from G. N. 68,96 pu M. M. B.M.

Brofit per centage of Total Cost

Cost per centage of Total Cost .03488 # .JA588 06220 .20808 .33190 #:12387 59.48% asst Chufling. St. Paul Min acr. 86-1936

Northern Pacific Ry Co Statement D Comparison of average yearly costs for domestic and foreign bresste. computed on vasis of crusote costs delivered in strage tanks at Scattle Plant. Mixture trulment 45 / Crusote 55 / petroleun. averge tie regimes 1.35 gal Cresste 1.65 gals petroleun (Statust Nº7) (Payrept 12) D Treating 300,000 pcs Curs tres @1,35 gals Domestic @. 15.123 =

D Treating 300,000 pcs Curs tres @1.35 gal Foreign @ 1326 =

3 Lucreased Cest Domestic Curste 61,248 53703 97545 Dancunard Cast Domestic Creisote based on trating 200,000 jes Cuss ties = 5,030 Durcused Cist Domestic Crusote based 2,515 4.674 09515 6 Durand Cost Somestic Crewste per MIBIL L'Ancrèased Cost Domestre Crésarte per Grunge Tie 3) affirmate total Increased list of using Domestic . Crevote on estimated total forest products 57,664 for ten year pured (Statement 10 sept 10-1936) asst Cheffings 51 Paul Min Cect. 22-1936

Northern Pacific Ry G. Statement D-1 abstract of some orders placed by the AT: + S.7.
By Co during Jany 1936 for delivery of cressite to their sprupications dated Seft. 29 1931. This Sprafus a maxim residue of 20% above 3550 Centigrade. Dærder placed 1-18-36 Bernuth Lenneke, foreign Cressoti vil. 1,000,000 gals delinered nute Stirage tanks at national City man Sandlings

2 Arder placed 1-18-36 with Barrett Co. Chicyo for 1,000,000 gals delined ute sterage tanks at Galviston Tax. Domestic crusote @, 12886 pu gal.

Cul. @ 1390 pu gul.

Olider placed with Rilly Tan & Chimcel Co Chicago 500,000 gul domestic crusote delivered into Fanta FE tank cars 70. B. Corwith All. @ 13021 per gal.

A Arshi placed Jany 18-1936 und Inland Tan Cu. Chicago 500, vov gal domestic Crusote uto Santa 72 lank Cars ar Conirth All. @ 13059 per gal.

(5) Arder placed 1-18-36 und Colorada Fuel & Dron

Danta Fre tank cars at Minegua Colo. Colo. Quel dans at Minegua Colo.

note- no prices taken for 1937 regunts

asst Christings. St. Paul Minn & A. 23-1936

. Northern Pacific By Co. Statement E apprindle annual cost companisms of traded and untrealed cross ties, Bused on Coast Dauglas Fir trialed at Seattle under proposed Contract. Giverage he life takin from actual and projected test track data. (Paragraph 16) A) Umit Costs of Ties Unhalid Tres Treated Tres Nº4 805 Nº4 1005 Domchase Price @ 1200M 1.4480 1.5355 3 Jules Tay 2% on 75% .0067 :0080 ,0278 .0333 . - / -3 Haul on thes 2.003 - - .9908 1.1812 D Cost of Tie, treatment and hauls \$. A825 . 5768 . 9908 1.1812 5) Total Cost of Tres. 1.4000 .4000 .4000 .4000 6 Cost of Placing Tie in track D Total Cest of Tres in place 3) average Cest, 8 year untrated, 25 year trated 1.8875 [9768 1/39 08 1.5817 .1103 1221 1:0556 1.0632 *0547 0589 4 -9 In creased Cist 1103 11221 .0695 .0740 10 during of Cest 70 O averge cest per year untrated 20 year hidel 1103 58.7% 65.09 O Include Cist - 14 5 tres 18 19 19 3 du cuised Cest Percent Mainline Hacoma Dir. (563 track miles). 191.3/7 Suyu a discussed cost on hill = 3249+ 10536 =) @ Increded Cest on Duram 563 x 191437 = 107, 741. Jungar

(B) affirmate lest Companions - Track Miles & Esty D'Standard Main Track 24 8 5 his per panel = 3250 per mile DN-4 tie 7x8-8" assumed to be the aways The size For average of all tracks.

3 timula cost untuated Dunglas fir the in place assured @ \$8825 for 8 year average life = 1/103 0 Demal cist of untialed singlas for 15-5 the in place assured @ .9768 for 8 year average life = .1221 D annul Cest of trialed Dauglas for N-4 the in place assund @ 1.3908 for 25 year areige life = .0556 Danmal cest of tridled surglus fir Nº4 tre un place assured @1.3 908 for Do you aring life = ,0695 Danual Cest of hialid Dunglas for N-5 the in place assured @ 1.5812 for 25 year awage life = .0632 Banual Crot of trialed Dangles for N-5 he in place assued @1.5812 for 20 year muge life = 10740 Ode creased cost for 1° 25 Trialed ties arrige life 25 years =(.1221-.0632=:0589) + 3256 1191.47 D'De cuased Cest for 1005 trialed his average life so mais \$156.33 7/271-0740=10481) + 3249 Bedereased list Main line track Tacuna on 25 year life. = 9107,798 = 563 miles × 191, 47

Decreased Cest Main line trach Tacuma Dr. 20 year life = 563 × 156, 33 (b) Companions for all tracks Tacoma Dn (Seattle Blandt) 18-4 huye Tie De creased Cast 18-4 treated the averge life 25 years 267, 125 20 years 199, 245 =[1103-.0556=.0547] x 4,883,448 tres = Decreased Cest N-4 healed the arrange life =(1103-.0695=.0408) x 4,883,448 tres = Compansons for all hades Territory Tribulay to Paradise Plant 3655 hact meles 9,961,324 lies N-4 avergetre same test ais (b) Decremed cost Nº4 trialied the arrays ble 25 years = 1/03 - 0556 = 0547) + 9,961,324 = 544,884 Decreased cest N'4 hialid the array lefter 20 years 406,422 =(1103-0695=0408) × 9,96/, 324 = (d) Cump arraous for all truckes Territory Tulenting to Braned Slaw 4230 track miles 11, 431, 548-104 arege the same cost as(b) Descreased Cist Nº4 trialed the away life 25 years = (1103-20556-20547) + 11,431,548 = 625,306 Decreased Cost 124 trialed the array life 20 years =1.11 03-.0695=0408) × 11, 431, 548 = 7466,409

(e) Comparisons resulting from using untreated too throughout in the future. Based on oneye 18-4 The arrive remail rates 8 year life 12 5% 20 year life 5%, 25 years life 4%. Delcreased costs per year for all brucks tributory to Stattle Plant for aringe life 25 years = 12 A70 of 4.883,448 = 195338 x (93908-8825-5083) = 99,290 Descreased Costs per year for all tracks tribulary to Seattle Plant for annige life 20 years 75% of 4,883448 ties $=244,172 \times (7.396.8 - .8825 = .5083)$ = 9/24,1133) Decreased Costs puryon for all tracks tribulary to Paradise Plant for anne life 25 pins = 470 of 9.961.324=398.453 × (7.3908-8825=5083)= 202,534

Descriused Costs pur year for all tracks tribular to Para disc Plant for average life 20 years = 5% of 9,961, 3 24 = 498,066 × (7,3908-38825= 5083)= 253,167

Decreased Costs per year for all tracks tribular to Brand Plant for arrege life 25 years = 4% of 11, 431,548 = 457,267 × (1.3908-.8825=.5083) = 232,426

Decreased costs per year for all tracks tribular to Brand Plant for arrege life 20 year = 5% of 11, 431,548 = 571,577 × (1.3908-.8825=.5083) = 9290,533

Renewals der year Truck of Treated Ties vertall Treated 25 years 25 years 25 years Burney A Results Truct 267, 125 199,245 DSeattle Clarut 1828 610,431 195,338 244,172 544,884 406,422 DParadise Plan 3655 1,245,166 398,453 498,066 3 Brund Plant 4230 1428,943 457,262 571.577 625,306 466,407 3,284540/051,053 437,315 1,072,074 \$ Totals 9,713 1313,815 note-Cist of total system ties only arrays 90 4-748-8 untrated @ 4425 x 3,284,540 = 1,453,409. for 25 year life 7º4 treated tes @ 9908 x 1,051,053 = 1,0 41,383 for 20 year trated life = "9908 × 1,313,815 = 1,301,728.

Siring (B) Results based on reversion to use of Uncheated Ties Decuased Costs yearly Tie Rumb Change life Treated Tres Muls Track 25 you life 20 you life 20 years 25 years Deattle Plant \$ 99,290 195,338 244,172 124,/13 1828 398,453 498,066 D Paradisi Blank 3655 253 167 202,534 D Brane of Plant 4230 457,262 571,577 290,533 232476 4 Total \$667,813 97/3 1,051,053 1,313,815 534,250

Note-The figures for annual remeinals and decreased Costs under Suny (B) reversion to use of untreated This would hold affirmally for the first 8 year period after which this cycle would regime progressive renewals at a rate of 121/2/0 because we are dealising with average life peniods. after the first 8 year period there would still be 17 years of treated hes to be renewed showing the same results by 8 year periods but the unhealed the renewal costs of the first 8 year seriod repealed would reneutrally wife and the apparant costs. de order to avoid the rast amount of work required to take unto consideration

the effect of differences in cost of ties and treatment as well as the differences in average life of ties we have proposed the results for the system from the differences disclosed by the Beattle Blank. These foregoing rangh assumptions explain, the differences between the find the differences between the find the actual runnels made in recent years.

asol Chuffeng 81 Paul Min QN. 29-1936 COMPARATIVE ANNUAL COST OF UNTREATED AND TREATED No. 5 COAST DOUGLAS FIR TIES. Possed on treating cists under proposed circle at

Scattle	Untreated	Treated
Total Cost in Place	\$.9768	\$1.5812
Avery Years Life	Cost pe	er Year
1	.9768	1.5812
2	.4884	.7906
3	.3256	.5271
4	.2442	.3953
5	.1954	.3162
6	.1628	.2635
7	.1395	.2259
8	.1221 (2)	.1977
9	.1085%(6)	.1757
10	.0977 (C)	.1581
11	.0888	.1437
12	.0814	.1318 ,
. 13	.0751	.1216(a)
14	.0666	.1129
15	.0651	.1054(6)
16	.0610	.0988 (0)
17		.0930
18		.0878
19		.0832
20		.0791
21		.0753
22		.0719
23	Service Control of the Control of th	.0687
24		.0659
25		.0632
26		.0608
27		.0586
28'		.0565
29		.0545
30		.0527
		1. 161

Asst. Chief Engineer St. Paul, Minnesota October 27, 1936 hote - (a) average years cost of the 3 year average life gives same average arrival cost of health the Casting 13 years (a') + (b) 9 years same as (b') 15 years (C) 10 years some as (c') 16 years.

Morther Pacific Ry Co. Statement-E-Z. Curryarativa annual Cisto of antivated 7. 5 Court Dauglas Fir ties and tradid tres of raniable treatment Cisto.

Unitalia Treatment To 1-1 Trealment Treatment, Treatment Cost @6.25 M 6 -M 350 M 500 M Total ast in Place average years Life 9768 7,5812 1.5700 91.5477 1.5254 Cists Per year 1954 .3/62 ,3095 ,3051 .3140 .1628 .2635 . 2616 .2579 . . 2542 .1395 . 2259 . 2243 .2211 .2179 ·122/ (a) . 1977 .1935 .1907 .1962 .1085 . 17440 17206.16950 . 1757(6) . 1581 10 .0977 .1548 .1525 . 1570 11 .0888 . 1407 . 1387 .1437 . 1427 12 .0814 . 1318 1308 -1290 .1271. 13 .0751 .12-16 (4) .11910.11730 .1208 10666 .1129 .1105 14 1090 1121 15 .0651 1054 1047 :1032 .1017 16 .0610 . 0988 .0967 .0981 .0958 . US16 .0930 .0910 .0924 .0897 17 18 . 6878 .0872 .0847 .0832 10826 .0815 .0803 20 .0791 . 0785 .0774 .0767 31 .0753 .0748 0737 .0726

	6.75	600	550	500
	1.5812	1,5,700		15254
22	10719	.0714	.0703	.0693
23	.0687	.0683	-0673	
34	.0659	10654		.0636
25	.0632	.0628		.0610
26	:0608	.0604		.0587
37	.0586	0581		.0565
28	.0565	.0561		.0545
3-9	.05,45	.0541	A STATE OF THE PARTY OF THE PAR	.0526
30	.05.27	10523		0508
Syears with treating cost @ 6 Oust per main track mile per year b Oust per main track-mile per year b Oust per main track-mile per year b Oust per main track-mile per year b	rated 14°5 rated 18°5	the average	ege # 2	396.83
life 25 years with heating Cost 5 per M = 32507.0619 201.18				
life 25 years with treating cost 500 asst. Chieflings 5N. Barel Mina acr. 27-1936			*199	8.25

Easter alid value of the protection though adequate tre plates to manuse averge life from 20 years to 25 years. Treating cost taken at 6 25 per per M. Cest of 1825 treated Dauglas Fir the in place 7.5812 Danual cost mile main tract 725 the aways 257.08 life 20 years: 3250 x.0791 Daniel Cest mile main hach 7-5 he \$ 205,40 anunge life 25 years: 3250x \$51.68 3 difference. 4) Value deffunce @ 5% = 51.68 x 20 \$1033.60 5) Cost tieplates 749-1 mile = 3250+2 = 6500 1269.45 6500 × 8.68# = 56.420 = 28.21 tous @ 4500 6 Car he plates 7/2× 107/8-1 mile = 3250+2 = 6500 \$1872.00 6500×12.8# = 83200# = 41.6 Tons @ 4500 602,55 Delifferne In ou are Danne 51.68 pu year on 602.55 in mand list = 8.5% asst. Chief Eugi. Cer. 27-1936

Incluiest Calculations

Ament Ralt 5% Athersta 3% 33 years) Granted Sunt April 2000 2 291 000 14550 9000 3 282 000 14100 9000 4 273 000 13650 9000 5 264 000 13200 9000 6 255 000 12750 9000 7 246 000 13200 9000 8 237 000 11850 9000 9 228000 11800 9000 10 219000 10500 9000 11 210 000 10500 9000 12 20 1000 10500 9000 13 192 000 9600 9000 14 183 000 9600 9000 15 174 000 8700 9000 16 165 000 7800 9000 17 166 000 7800 9000 18 147 000 7350 9000 19 138 000 6600 9000 21 10000 6000 9000 21 10000 5550 9000 22 10000 600 9000 23 10000 600 9000			acculan			A
2 291 000 14550 9000 3 282000 14100 9000 4 273 000 1250 9000 5 264 000 1250 9000 6 255 000 12750 9000 8 237 000 11850 9000 9 228000 11400 9000 129750 9000 129750 9000 12 201000 1050 9000 13 192000 9150 9000 15 174 000 8700 9000 15 174 000 8700 9000 15 174 000 8700 9000 16 165 000 7800 9000 17 183 000 9600 18 138 000 6900 9000 19 138 000 6900 9000 21 129 000 6450 9000 21 12000 5550 9000 21 12000 5100 9000 21 12000 5100 9000 21 75000 3750 9000 21 75000 3750 9000 21 75000 3750 9000 21 75000 3750 9000 21 75000 3850 9000 21 75000 3850 9000 21 3000 1650 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000 21 3000 1950 9000	Luke	ust Rale 5%	Depleatin	3/0	1334	uais)
2	1	300,000 /5,000	9000			
3	2					
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Attiest Calculations Dillust Rate 6% - Deprenation 5% (20 years) Elen . Punufal 18,000 15.000 300,000 285,000 17,100 15000 270,000 16,245 15,000 45 15,000 255,000 15,432 14,661 240,000 15,000 13, 928 225,000 15,000 13, 231 15,000 210,000 12,570 195,000 115,000 180,000 11,941 11,000 165,000 11,344 15,000 144, 452 150,000 11 150,000 15,000 10,777 10,238 12 135,000 15,000 13 9,726 11,000 170,000 14 105,000 9,240 15,000 15,000 15 90,000 8,778 8, 339 16 75,000 15,000 17 15,000 60,000 7,922 18 7,526 45,000 14,000

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7,150

14,000

19

20

30,000

15,000

A Trialed The any hipe 25 years Dlist of tie, treatment and Haul Dlist of placement Total list in place D'Overage cest per year 25 year life 9908 1.3.908 +0556 B Unhiated Til 4480 D Cest of Luglas For the @122 D Sales tay @ 2% on 75% .0067 ,0278 3) Daul 148 miles @,003 .4825 Test of placement of 8875 Engelist en gran 8 year life Dien der Crot. = . 0547 = .1103 24 tres per 39 M panel = 135, 38+24= 3249 trespupul Seattle Plant 13073

Cest nº 4 healed Coast for the delines, to Tacuna Der = 1.4561 @ 25 year life
= 9.05824 Untraled xº 4 the annul
Cest = 9103 Slifferne = 05 206 per tre year

Tacuna Dir Total Ties 4.883,448

Trudid @ Beattle 4.883,448 @ 0547 = 267,124

Trudid @ Bradne 4.883,448 @ 05206 = 254,232

Suffernce 912,892

Tacoma DN - Sealthe Plant 1/21 Man Track M.L. 563 Ties 1,652493 Cether Track 1265 Total 1828 3,230,955 4,883,448 ave 2671 Paradise Idaho M. L. 487 1430,460 Duct nur 670 1,966,244 Yell 369 1083 778 1526 4,480482 2,655,636 1019 I daho Bender Ry MW " 1,690 540 663. yell " 1,134 666 447 2/29 5,480842 3,65.5 Grand Total 9961324 1315 Brand 3,860,946 M.L. 7,570602 Siculary 2915 4230 11428943 26.27632 9713 Diplem 17/1/ 3 284. 54U

Sealble & Vanceuver 175 miles 1/29 Trealed 804 tie = 130#_.065 Tous 1754 = 11.375 Ton miles x.0015=0171 @ .003 = 0342 Deffine in truling Cost 8:50-6.25 = 2.25 per M *03733/12.25 = .084 Enult to Mun Tariff Rate Gealtle Varcuer 13 & pucid = 2.60 per ton = 0/48 per ton mile .084-114=.00737 per ton mile Treating in Transit
Hard green Ties 150 miles Treated 175 Total 325 325x.065 Tons = 21.125 ton miles Til 084 - 21:125 = .004 per ton mile.

Questin 12. At 1.35 Gallons per Tie treatment of 300,000 très ournally requeres 405,000 ballons of Domestic Creaset, delivered in no truck ero @ 0.15173 = 61.748. 405000 Gellows of Foreign Create Difference in Cast de Quium foor Foreign as \$7545. Independent Alorage foculation would have to be provided if we used Domestie Exercate at Sextell rand we would throughto stout lass due to olulying and. evorporation. Experience at one own plants indicate The lass areaut to investment of 61748. This amount to 306. 24. This is availed by over present practice of purchasing foreign ail and storing in common with supply of embactor.

duction 13. a d 50-50 mixture of create and petaleum is aparified but it is also specified that the railway may from ting to line change The properties. Orequielly a 50-50 mixture by value was usef but in 1979 This was changed to 40-50. By weight 45% creationed 50% petaleum is about equivalent to a 50-50 migture by value. In present to ratement work 45-55 mighter to by value The average absorption amount to 3 gallous pertil or 1.35 gallons & conato and 106 v gallons petaleum. 1 gal miture or, 45 gal Cusite = 8.33 x 1.08 = 8.996 4= 4.04834 55 gal Oil = 8,33 x . 95 = 7,9135 = 4,35,2425 16.91) 8.9964 | 53,2 16.9099 5073 Cresta = 48.07

Purght 12 Ceverate Treating Plans 10/27/ 136 foreign all Sealth 1913-1932 Plandul 9,5% to 24 any below 20% Du same peniel during war domestic Creeste ran as high as 64,65% geneally aber 40% Touks in 1936 Eempen and Janfan æil residue 127 te 17,01 Jap mufurg low Du 1934 In 1934 When market was difficult Just and Some demente ail auch residue of 27.05% N.V. Expure domestic ail 20% to 45% Augher residere not si good pullialer regens kigher pressues + lempudlis. Tope e values Kigher. Der Stallen D-1 Santa Fe prices M.P. Juces 1936 av Chiego Andrana Harbor paid 12 3/84 in 71. P. Cars Santa 7e 1306 Cempared N.P. 12375 deff = .00715 = 5.8%

Seattle Plant 1/27/36 Ling Bell Rincher Co. Lingvier Wash July 1926 withdren because not being able to meet num of 750, von teesper Long Bell + hat higher than Coleman pridicaled on curst of new plant 3/200 (1.6 to 2.5 times

Paradise Plant fran 1929 19/27/36 Cress ties 621, 349 ps 24,483,952 MMM Total Cist = 227,798 Primillies + Jrl = altrer list = 139,844 3-59 pu M 87954= Sweld lies 1035928 MI Total Cest = 10,062 Qualles & Feb = 630 Z Celher Costs = 43,760 = 3.63 Ju M 1933 Lunden Lunlier 189, 600 M 3883 Total Cest 1180 \$ 14.37 Pinler 72 Other Cos 1930 Brund Luli Emple 45613 M 449,00 THEN COST Mf bung 290 159.00 allrugh

Alim Beattle Treating Plant 1/36 O Statom t A-1 Dut 6% Leptogs, Profix per N° x tier 375 MBM=.01 = .267 per M. D Stalen A-1 2nd 6% Lleprustu 5% Profit per tie 64485 pur 124 Tre = 1.1975 per M 3 Statement A-1 2nt 5% Alfruil 370.

Profit per be .06975 per 764hè = 1,862 D Cost Sund ties 6.50-27=6:23+1.50=7.83 3 11 11 6.50 - 1.86 = 4.64+1.50 = 6,14 V assirie Lundew Cist 4 Josep more than away (4012 M Belling Cest 352,901 = 13.18 per M D Cest Lumber 6:50-7,27=6:23+400= 10.23 6,50-1,00= 5,30 +400 = 9,30 D Cost 11 192021 91470 6,50-189 = 4.64+400 = \$8.64 3) 11 assure Viling Cost 4 - per M now than meng 1 Cist Pelly 6.50-27 = 6.23+400 = 10.23 6.50-1.20 = 5.30+42 = 89.30 D Cast Piling 6.50-186= 4.64+400 = *8.64 3 Crof Peling

D 17/26 D'Pripised Contract

D'Stationer A 2nt. 6% slip 5%

Profir on nº 4 the 31/3/18 = .02309 = .6 165 pu M DS/alunt A Surt 5% xlesp 3%. Proft de ne4 tre = .00777 = 2095 pum

19/26 B) Proposed Centract

P Statum A 2016 % xelp 5 %

Lors Per tre x 2 4 37.33 = .02309 = .62 per M Distatem A Dur 5% xeep 3%.
Orofir Que nº 4 Tre = 300777 = . 21 pu M Cissure Surld tres Cist 150 per M mure than constres D Cist suridities 6.25-3.16 + .62+11.50 = 5.21 from 800 = 2.79 2) Cost sund tres 6.25-2.33-21 \$7.50 = 5.21 fm 8 2.79 assure Lunder Cest 400 per M more Chan tris Dest of hunter 6,25 - 3.16 +.62 + 400 = 7.71 from 13.20 = 5,49 D Cist of hube 6.75-3,16-21 +400 = 6.88 from 13.20 = 6.32

Paradise, Mont., October 27th, 1936 9E 62 130

Mr. L. Yager:

In reading over your wire Y-379 again and my answer, in connection with remenue shipments from the treating plant at Seattle over the three four competitive lines serving Seattle, it seems to me that I have not been entirely clear in my answer. I am therefore restating some of the conditions in this letter.

The Union Pacific has nothing treated entirely for theirb own use at either plantat any time, and I cannot remember when any of their own material has been treated. I would say with confidence that mothing has been done at either plant for this Road sine the duration of our contract with the Seattle plant.

In so far as the plant has controld of the routings of revenue cars, the management has endeavored to divide the haul between the Northern Pacific and the Milwaukee in proportion to the amount of work given the plants by the two roads. I believe that the situation has been more favorable to the Northern Pacific in the last couple of years from the Seattle plant than to the Milwaukee and that the statement furnished you from inspection of their records is fairly representative of what the two roads have received in the last couple of years and what they will receive, unless other influences are brought to bear.

It would seem to me a t this time, that the management of the West Coast has control of approximately 25% of the routings of revenue cars. This control is brought about lack of proper instructions as to the routings on orders furnished the plant for treated material. Generally an order for treated material actually specifies the routings to be followed in making the shipments, but when this routing is not specified the West Coast makes the selection itself. In this routing, the management is guided both by the location of the destination and by the desire to divide faithy its haul between the Milwaukee and the Northern Pacific. I have been told by the plant superintendent that no car of revenue haul is ever routed by the West Coast over either the Union Pacific or the Great Northern when it has controll of the routing. This situation is brought about, of course, bythe competition with the privately leased plants at Hillyard and the Dalles.

I believe that this covers the situation as well as possible at this time.

Asst. Gen. Supt. Tim. Pres.

TELEGRAM



104 MD N

PARADISE OCT 26 1936 L YAGER

STPAUL

Y-379 THE UNION PACIFIC HAVE NOT HAD ANY OF THEIR OWN MATERIAL TREATED AT SEATTLE OR PACIFIC IN RECENT YEARS WOULD SAY THAT THE PERCENTAGE OF REVENUE CARS HAULED OVER THE THREE ROADS IN RECENT YEARS WOULD AGREE VERY CLOSELY WITH THE STATEMENT FURNISHED YOU WITH POSSIBLE EXCEPTION OF THE MILWAUKEE ON MY STATEMENT HAUL WAS OBTAINED BY REASON OF CONTROLLING THE ROUTING OF COMPETITIVE BUSINESS AND DESTINATION BEING LOCAL TO THE LINES WOULD SAY THAT NOT MORE THAN TWENTY FIVE PERCENT OF COMPETITIVE SHIPMENTS ARE ROUTED BY TREATING COMPANY WEST COAST WILL ROUTE NOTHING OVER UNION PACIFIC AND GREAT NORTHERN UNLESS REQUIRED BY OTHER SOURCES H-139

G R HOPKINS

7PM

TELEGRAM—BE BRIEF

TIME FILED
M.

St. Paul, Oct. 26, 1936

G. R. Hopkins, Paradise -

Do you know whether the Union Pacific have had treated for themselves in recent years any ties, timber or piling at the West Coast Wood Preserving Company plant at Seattle or at Eagle Harbor. If so do you know in general the quantities and

the locations where the material was used. My statement twelve prepared from your examination of treating company's record shows number of cars hauled by Union Pacific, Great Northern and Milwaukee. Is this percentage fairly representative

of other years. If Union Pacific and Great Northern have no material treated at this plant am I correct in assuming haul was obtained by reason of controlling the routing on competitive business or destination being local to these lines.

Great Northern office advised me that they have had no company material treated at Seattle in recent years. Have you any ideas as to about how much of the competitive shipments have the routing controlled by treating company. Y-379

L. YAGER

Data in Cross Ties Sawed

Size	Stou	Cuft	MARU	Costiguitie	adoper Tie @
12 1 - 6×6-8	24			.0240	
8º Z - 6+7-8.	28	2.333	35.714	10280	.1750
Nº 3 - 6x8-8	32.	2.667	31.250	:0320	-2000
Nº4-7+8-8	37.333	3.111	26.786	. :0373	-2331
1005-7+9-8-6"	44.625	3.719	22.409	.0462	.2887

Seattle Treating Plant 1/3 Banta 79 Ry Co. -Sperpealins for Crusite dated Sept, 29-1931 Sprafy max residue 20% 10/23/ Dade placed 1-18-36 Bernuth Linioke 1000, 000 guls delivered into larifets at San Augu Foreign orl @ 1/390 per gal D'Order placed with Barrett Co Chicgo 1-18-36 1,000,000 gals delivered nito Strage landes at Gulistin Domestic ail @./2886 3 Arder placed with Relly Tar & Chemical Co Chreeys 32 delivered with Senter For tack cars at Courth 500,000 gals Directic ail @ 1/3021 pur gul 4 Arder pland Jay-1936 Inland Tan Co Chrego 7.016 armich as per 3 500,000 gal @ 13059 Dade placed 1-18-36 Colorado Fuel Adrine Co delined meter Senta Fr cars at Miniegina Colo.
160,000 guls @ 9325 per gal.

Note- No prices taken for 1937- 10/21/36)

THE ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPANY September 29, 1931.

Specifications for Coal-Tar Creosote

The oil shall be a distillate of coal-gas of cokeoven tar. It shall comply with the following requirements:

- 1 It shall contain not more than 5% of water. Quantity purchased shall be calculated on basis of water-free crossote.
- 2 It shall contain not more than 0.5 percent of matter insoluble in benzol.
- 3 The specific gravity of the oil at 38/15.5 degrees Centigrade shall not be less than 1.03.
- 4 The Distillate, based on water-free oil, shall be within the following limits:

Up to 210 degrees Centigrade not more than 5 percent. Up to 235 degrees Centigrade not more than 25 percent. Residue above 355 degrees Centigrade not more than 20 percent.

- 5 The specific gravity of fractions between 235 degrees Centigrade and 315 degrees Centigrade shall not be less than 1.025 at 38/15.5 degrees Centigrade.

 The specific gravity of the fraction between 315 degrees Centigrade and 355 degrees Centigrade shall not be less than 1.085 at 38/15.5 degrees Centigrade.
- 6 The residue above 355 degrees Centigrade, if it exceeds 5 percent, shall have a float test of not more than 50 seconds at 70 degrees Centigrade.
- 7 The oil shall yield not more than 2 percent coke residue.
- 8 The foregoing tests shall be made in accordance with the standard methods of the American Railway Engineering Association.
- 9 The flash point shall not be lower than 190 degrees Fahrenheit on dehydrated sample using the Pensky-Marten Closed Tester as follows:

Thoroughly clean and dry all parts of the cup and its accessories before starting the test. Particular care should be taken to avoid the presence of any gasoline or naphtha used to clean the apparatus after a previous test.

Fill the cup with the oil to be tested up to the level indicated by the filling mark.

Place the lid on the cup and set the latter in the stove. Take care to have the locating devices properly engaged. Insert the thermometer. If it is known that the cil will flash above 220 degrees Fahrenheit, the "Pensky-Marten high" thermometer may be selected: otherwise, it is preferable to start with the "Pensky-Marten and Tagliabue" thermometer and then to change in case a temperature of 220 to 230 degrees Fahrenheit is reached.

Light the test flame and adjust so that it is five thirty-seconds inch in diameter, the same size as the bead provided for comparison.

Supply heat at a rate that the temperature read on the thermometer increases not less than nine nor more than eleven degrees Fahrenheit per minute.

Turn the stirrer, at a rate from one to two revolutions per second.

Apply the test flame at each temperature reading, which is a multiple of two degrees Fahrenheit up to 220 degrees Fahrenheit. For the temperature range above 220 degrees Fahrenheit, apply the test flame at each temperature reading, which is a multiple of five degrees Fahrenheit. The first application of the test flame shall be made at a temperature at least 30 degrees Fahrenheit below the actual flash point. Apply the test flame by operating the knurled hand-knob, controlling the shutter and test flame burner so that the flame is lowered in one-half second, left in its lowered position for one second, and quickly raised to its high position. Discontinue stirring during the application of the test flame.

Record as the flash point the temperature read on the thermometer at the time of the flame application that causes a distinct flash in the interior of the cup. The true flash must not be confused with the bluish halo that sometimes surrounds the test flame for the applications preceding the one that causes the actual flash. Observe and record the barometric pressure. Make no corrections except in case of dispute when the flash point figure should be corrected according to the following rule:

For each inch (25 mm.) below 29.92 in. (760 mm.) barometric reading add 1.6 degrees Fahrenheit to the flash point.

For each inch (25 mm.) above 29.92 in. (760 mm.) barometric reading subtract 1.6 degrees Fahrenheit from the flash point.

M. J. Collins, General Purchasing Agent.

APPROVED: G. W. Harris, Chief Engineer System. ECONOMIC JUSTIFICATION FOR THE USE OF TREATED TIES ON TACOMA DIVISION BASED ON PRESENT PURCHASE PRICES OF COAST TIMBER AND TREATMENT AT SEATTLE UNDER PROPOSED CONTRACT.

	Untreated Ties		Treated Ties	
	No. 4	No. 5	No. 4	No. 5
Purchase Price © \$12 M Sales Tax 2% on 75% Haul 148 miles © .003 Cost of Placement Cost of Tie, Treatment and Haul Total Cost in Place	\$.4480 .0067 .0278 .4000	\$.5355 .0080 .0333 .4000	.9908	.4000 1.1812 \$1.5812
Average Cost per year, 8 year Life	.1103	.1221		
Average Cost per year, 25 year Life			.0556	.0632
Increased Cost	.0547	.0589		

24 ties per 39 ft. panel = 135.38 x 24 = 3249 ties per mile.

Increased cost if untreated ties are used in Main Line Track of Tacoma Division -

Increased cost per mile - 3249 x .0589 = \$ 191.37
Increased cost on Division - 573 miles = \$109443.00

Asst. Chief Engineer St. Paul, Minnesota October 21, 1936 ESTIMATED COST OF TREATED No. 5 TIES UNDER PROPOSED NEW CONTRACT AT SEATTLE AND DELIVERED TO DIVISIONS. SIZE 7" x 9" x 8'6".

Tie &

(A)	DIRECT	COST	OF	TREATMENT

1	Douglas Fir, 44-5/8 FBM x \$12	\$.5355
5	Sales tax @ 2% on 75%	.0080
72	Cost of contract treatment @ 6.25 M.FBM	.2789
1	Cost of creosote 1.61 gal. x \$.1326	.2135
	Cost of petroleum 1.96 gal. x .021	.0412
	Treating supervision \$2400	.0080
0.	Sub Total	\$1.0851

(B) INTEREST AND TAXES

1.	Interest on preservatives	\$.0054
	Taxes on preservatives	.0010
7	Taxes on seasoning ties .5435 x 32% x .0355	.0062
4	Interest on seasoning ties .5435 x 6%, 12 mo.	.0326
7.	Sub Total	\$.0452

(C) INDIRECT ITEMS, FREIGHT, ETC:

1. Haul on	green ties, average haul 148 miles	\$.0333
150 lt	os. x \$.003	₽.0000
9 Uaul on	treated ties, average haul 100 miles	
		.0176
156 11	os. x\$.00225	and the same of th
	Sub Total	\$.0509

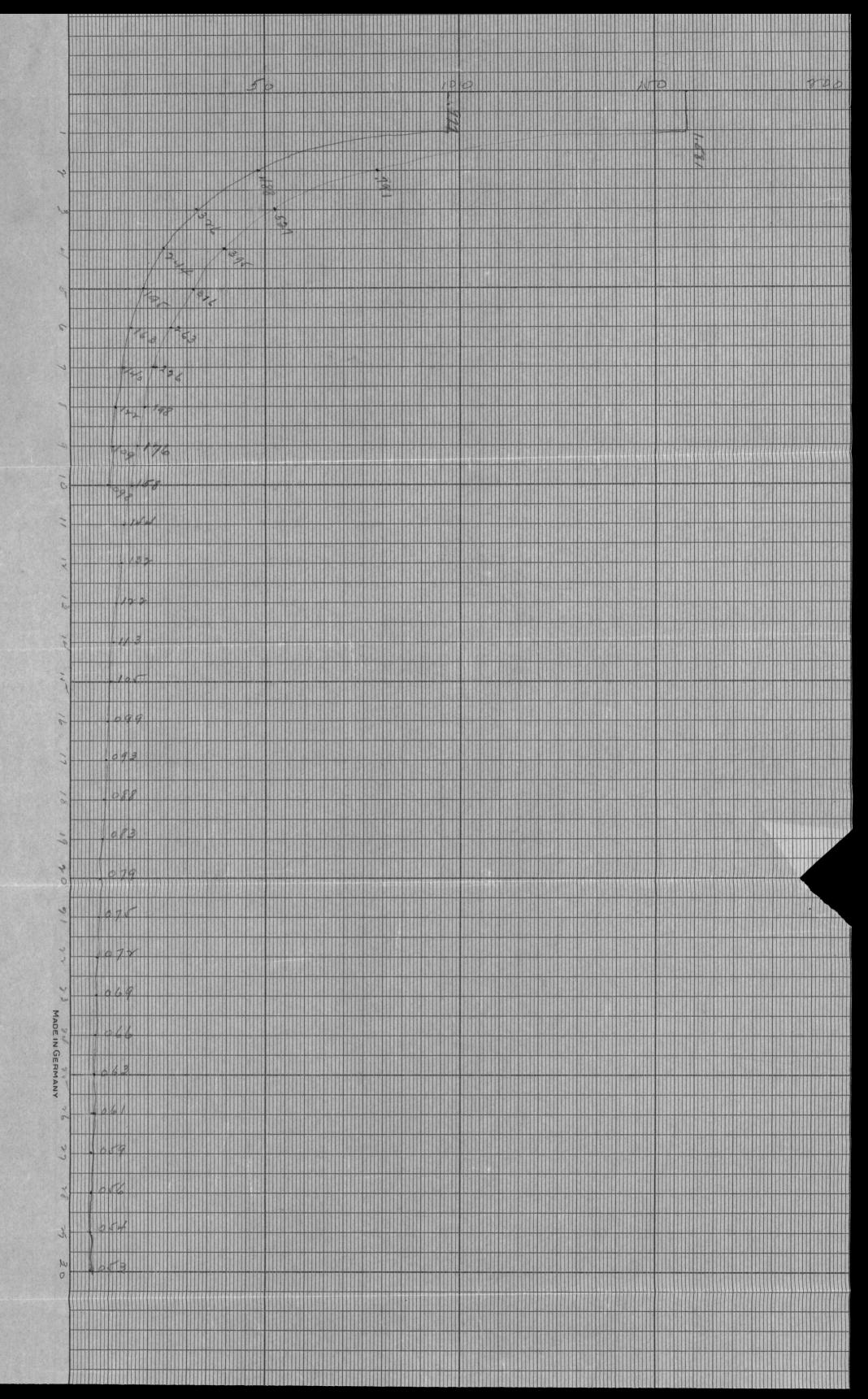
SUMMARY:

A. Direct Cost of Ties and Treatment	\$1.0851
B. Interest and Taxes	.0452
C. Indirect Items, Freight, Etc.	.0509
Total	\$1.1812

Asst. Chief Engineer St. Paul, Minnesota October 21, 1936 COMPARATIVE ANNUAL COST OF UNTREATED AND TREATED No. 5 COAST DOUGLAS FIR

Total Cost in Place	Untreated \$.9768	Treated \$1.5812
Years Life	Cost po	er Year
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	.9768 .4884 .3256 .2442 .1954 .1628 .1395 .1221 .1085 .0977	1.5812 .7906 .5271 .3953 .3162 .2635 .2259 .1977 .1757 .1581 .1437 .1318 .1216 .1129 .1054 .0988 .0930 .0878 .0832 .0791 .0753 .0719 .0687 .0659 .0659 .0608 .0586 .0565
30	Provide the second seco	.0001

Asst. Chief Engineer St. Paul, Minnesota October 21, 1936



9/21/36

Interest Calculations

					000						
Interest	Rate	5%	-	De	precia	tion	3%	Gor	34	Years).	

inter	resi Kare S.	10 Depre	cialion or Do	- 700
Year	Principal	Interest	Deprec.	
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20	485,000	24, 250	15,000	
3	470,000	23 500	15000	
4.	455,000	22 750	15000	
5.	440,000	22 000	15000	
6.	425,000	21 250	15000	
7.	410,000	20 500	15000	
8.	395,000	19750	15000	
9	380 000	19 000	15000	
10	365000	18 250	15000	
11	350 000	17 500	15000	
12	335000	16 750	15000	
13	320 000	16 000	15000	
14	305000	15 250	15000	
15	290 000	14 500	15000	
16	275 000	13750	15000	
17	260 000	13 000	15000	
18	245 000	12 250	15000	
19	230 000	11500	15000	
20	215 000	10 750	12000	-
21	200 000	10 000	15000	
22	185 000	9 250	15000	
23	170 000	8500.	15000	
24	155 000	7750	15000	
25	140 000	7000	15000	
26	125 000	6250	15000	
27	110 020	5500	12000	
28	95 000	4750	15000	
29	80 000	4000	15000	
30	65 000	3 250	15000	
3)	20 000	2500	12000	
32	35 000	1750	12000	
33	20 000	1000	12000	
34.	2000	250	5000	
Avge	-34 Yrs = #	12,625	500,000	
1	K			

110/19-36

1) Unit Costo to Contractor - Platement no 6. Osto pet up from our own experience and (2) Investment in Plant about 300.000 - Statement No 6 This is estimated cest of expansion in the way of peasoning you a and increase a treating facelities to handle railroad contract. 3) dillerest on full Investment 300,000 - Statement 6 De 3. In arace to write off investment down to the average for the 10 year period would require Delay of costs to contractor unais " This should be worked up week Question 5

(3) Estimaltà cesto à Centraclà uneller new Contract This week have to be worked up. Profit & Centraile at 4 to Statement 6 - to the appearance à total paiments Platement 11 - 4825.677. 4 to profit shown on slatement 6 appears & Cross tres only, which is about Estimatea total profet to contractor for five year period. basea or volume shown in Placement no 10. no 6 for ola contract. (8) Contract lieuween West Coast and Milionipper-Placement showing comparison with M. Present no contract in effect.

apparent Net Profit and Net Profit - Platements no Ola Contract 65º M; Price para trang 1.1936 averagea . 26 per les at :625° M. new Contract. price should be . 2331 per lie (10) Carlo a shipments furnished in placement dales Alle 4. 1936 oblaine a from & Burnhamis Office Sealle for year 1985 and 6 months 1986 - but revenue not shown. W.P. - G. M. of Milwaukee Treating at Realle. at Colman Rant. If the West East wanted to faver any of these roads with commerciae haul on account of treating contracts at their Islana Plank it would have a come from Colman Plant as (12) East of Exerote - What Cest per annum for both demestre and foreign oils.

(13) · Colosote musclini Paragraph 6 of specificationis calls it 50.-50 mischine - best plates Ruceway Company may change proposters from time à teme, Statement one basea on 45-55 misseur, which is now being used. (14) Investment in Paraise Plant, Investment in plaint not written off. (15) Five year Centract Contract set up for five year perior for our (6) Economies in use of Freatea nes This question not considered

Seattle Continut D 1/34/36 D9: 1. Conhact with Nalumil Pole + Trialing Co Fridley Minn. Your to you contract Them so, no may hard words Long Precess. Ry Co Junshes prindres 50-50 cresste deliver Cist pu en st 99 = 7,50 pu M St. BUL. O amaha Ry you to you conteach with Republic Ornsvling Co. St. Laurs Park Junalel 200,000 to 300,000 pcs Cuss ties and affirmally 12,000 pcs sund hes, Ties are dir Deasand Trealmus Reuping Gueis Tridling Co. Junshes prismalies included ur prices. Reluction 50-50 milion 6th percu. St. Fruc Chlinde net retention of 1/2# chlinde if zinc per cu. St. The

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heis been to anaha for Cuso his D 58-50 Miline 474 ench 2 Luc Chluide 359 " Gallin Crusate = 8.70 # @.125 =

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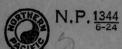
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Sealle Contiact D. Cross Ties arrige Cist to date 66/ pui M/184 = 1/4 pui M Reduction price = 25-c

x x x Tolat \$ 36 4 B) Surtot Ties 8,5021 glad = \$,502 pur M. C) Linker Reduction 25 pin M Diling no Change

Cestmated Samey - Eestmated Use in 10 group = 26,840 A hes. 74555M @36° B) Sundition 5,000 M @,502 2510 \$ 840 56% 30,190 for Ten years C) Lumber 3,360 M @ ,25 Basid on Daid in 10 years A Ties 7.4555 M @ 6.61 492,808 B) S. Tus 5,000 M @ 8,50V 42,510 55,440 Chumber 3,360M @ 16,50 D Pilmy 186,666 cup. @ 284 52,080 642 438 = 46% on Cross vanilet the one. Busid 1 Chistres 26,840 492,808 2510 42570 535318 = 5.5703 Suldries Bused by Curs Ties only Dung = 6.61 - 6.75 = ,36 + 6.61 = 5044 70 Sany = 24.69 - 233/= D/38 = +5,58%



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TENTATIVE DRAFT OF CONTRACT

CONTRACT made this _____ day of _____, A. D. 1936, between the Northern Pacific Railway Company, a Wisconsin corporation hereinafter called the "Railway Company," and the West Coast Wood Preserving Company, a Washington corporation hereinafter called the "Creosoting Company."

In consideration of the mutual dependent promises stated in this contract the parties agree:

I. The Creosoting Company shall store for seasoning and treat at its plant located in the city of Seattle, Washington, such forest products as may be offered by the Railway Company from time to time in accordance with specifications in Exhibit "A" attached and made part of this contract. The term "forest products" used herein is inclusive of cross ties, bridge ties and switch ties, timber, lumber, piling, and poles. It is understood and agreed that: (a) The Railway Company reserves the right to treat any portion or all of the forest products used by it in the territory tributary to the Cresoting Company's Seattle plant, in any one or more of the Railway Company's presently owned and individually operated treating plants. (b) The Railway Company shall offer to the Cresoting Company for treatment under the terms of this contract all forest products not reserved under the provisions of the foregoing paragraph (a).

II. The Creosoting Company agrees that its plant shall be maintained during the term of this agreement in such degree of working efficiency that the capacity of the plant shall be adequate at all times to treat the yearly requirements of the Railway Company.

III. The Railway Company will notify the Creosoting Company in writing prior to the first of October of each year of the approximate number of cross ties and other forest products which it desired to have stored for seasoning and subsequent treatment during the following calendar year.

IV. The Railway Company will furnish open cars, in so far as may be possible, for delivery of untreated material and for shipment of treated material. The Railway Company at its own cost and expense will do all required switching of its cars of forest products billed to and from the plant. The Creosoting Company agrees to make requests for only such switching as is reasonably necessary and such switching shall be done so far as is practicable at times most convenient to the Railway Company between the hours of 7:00 A.M. and 6:00 P.M.

at the plant of the Creosoting Company. The Creosoting Company shall promptly unload cars and stack the material in the storage yard of the plant for seasoning. The Railway Company in making deliveries to the Creosoting Company shall have regard to its capacity for receiving and stacking material. The Creosoting Company shall pay the Railway Company compensation for any delays in unloading said cars in accordance with the rates set up in the Railway Company's published demurrage tariffs whenever eight (8) or less cars are delivered per day. Whenever more than eight (8) cars per day shall be delivered the expense incident to the detention of cars for unloading shall be assumed by the Railway Company. The Creosoting Company will accept delivery of forest products on scows or in rafts alongside its plant under the same conditions as outlined for delivery on cars, except that the Creosoting Company will not be required to pay the Railway Company for delays in unloading such scows or rafts.

VI. All cross ties will be properly segregated by grades on cars by the Railway Company to facilitate stacking for seasoning and subsequent treatment by grades.

Switch ties, timber and piling delivered shall be sorted by the Creosoting Company, at its own expense, for its convenience in handling for treatment.

VII. All treated material shall be wolloaded and billed as directed by the Railway Company. Cross ties will be loaded by grades and rail borings. Switch ties will be loaded by lengths.

The Railway Company shall furnish promptly all cars required to ship out treated material. The Creosoting Company agrees to give the Railway Company at least five days' notice as to the time such cars are required.

VIII. The Creosoting Company shall provide fire protection for seasoning and storage yard satisfactory to the Railway Company.

The forest products shall remain the property of the Railway Company and be insured by it against loss by fire.

IX. The Creosoting Company agrees to count and tally material received in each car as soon as possible after receipt of car at its plant, either before or immediately after unloading, against invoice or inspection reports furnished by the Railway Company and to mail seports of such tally to the Railway Company representative immediately after each invoice or inspection report has been tallied.

The Creosoting Company agrees that, as far as practicable, it shall have

painted on each stack the initial, number, and out turn of each car from which material is unloaded, and the date of unloading.

The Creosoting Company agrees to return to the Railway Company the identical material shipped to it by the Railway Company after said material has been treated, and in case there should be any shortage whatever, the Creosoting Company agrees to pay the Railway Company therefor at the market price at Seattle, Washington, of like material at the time the shortage is discovered; provided, however, that the Creosoting Company shall not be responsible for shortage resulting from fire or causes which are clearly beyond its control. Joint inventories of all forest products shall be taken at least every six months, and discrepancies found adjusted at that time.

The Creosoting Company agrees to furnish reports of all material delivered, shipped, used and on hand at regularly stated intervals as may be required by the Store Department or the Insurance Department of the Railway Company.

X. The Railway Company will furnish all crossote and petroleum oil required to treat its material under this agreement. The Crossoting Company agrees to unload and store all crossote and petroleum oil furnished by the Railway Company in railroad tank cars at the plant. The Crossoting Company agrees to set aside a storage with a capacity of 300,000 gallons for crossote furnished by the Railway Company. Crossote furnished by the Railway Company from vessels or barges shall be delivered into the storage tank without expense to the Crossoting Company. Should the Railway Company elect to permit the Crossoting Company to purchase crossote and oil for it, the prices to be paid and the quantities to be purchased for its adcount must be approved by the Railway Company and the material must conform to the current specifications of the Railway Company to be kept on file with the Crossoting Company. The Railway Company shall carry the insurance and pay the taxes on crossote and oil stored for it by the Crossoting Company, and agrees to pay promptly all minvoices covering crossote and oil purchased with its authority for its account.

XI. The Creosoting Company agrees to provide storage tanks of suitable capacity to store the preservatives required for treating the material of the Railway Company, together with working tanks and proper gauges to insure accurate and satisfactory measurements of creosote and oil used in the treatment of the different classes of material for the Railway Company.

The Creosoting Company may, with the written consent of the Railway Companyfirst had and obtained, use the preservatives belonging to the Railway Company for the purpose of treating forest products for other concerns in the same plant, and

the Creosoting Company shall thereupon promptly replace preservatives so used with other preservatives meeting the specifications of the Railway Company and shall permit no delays in the treatment of Railway Company material to result from such use. In case the Creosoting Company shall be permitted such use of Railway Company preservatives, then joint inventories of preservatives shall be made at the end of each month or at any other appropriate time for the purpose of adjusting surplus or deficits. Any surplus or deficit must be pro-rated on the relative final retention of preservatives for the different classes of material treated for the parties concerned.

XII. The Railway Company desires to have its cross ties treated during the period from August 1st to December 31st of each year. The Creosoting Company agrees to use reasonable efforts with due regard to the business offered by other customers and the treating capacity of its plant to treat the yearly requirements in this interval if sufficiently properly seasoned ties are available. If for any reason the Creosoting Company at any time cannot with reasonable effort carry out the aforementioned preferential arrangement, the Railway Company agrees to have delivered green ties in advance of requirements so that sufficient seasoned ties will be available for treatment at approximately uniform monthly rates for the yearly requirements.

XIII. The Creosoting Company agrees to store treated ties in its storage yard up to the convenient capacity for temporary storage at the request of the Railway Company. The storage and extra handling involved in loading into cars shall be compensated for at a price scheduled in this agreement.

XIV. The Creosoting Company agrees that upon the written request of the Railway Company to do so, it will adcept any modification, changes or substitutions in the specifications in Exhibit "A" hereinbefore mentioned, provided such modifications, changes or substitutions will not require the purchase of any additional equipment, or increase the cost to the Creosoting Company or lessen the plant capacity.

The Railway Company agrees that in the event a change of process is made, at its request, it will pay the Creosoting Company any royalty the Creosoting Company may be required to pay in consequence thereof, and will also protect the Creosoting Company against all claims pertaining thereto.

XV. The Railway Company, through its designated representatives or agents, shall have addess at all reasonable times to the plant and premises of the Creosoting Company and the right to inspect all operations therein, and shall be furnished all necessary and proper facilities for testing the preservatives employed and the amount absorbed by each charge of ties and other material treated for the Railway Company.

The Creosoting Company shall furnish records on forms furnished by the Railway Company of all treating operations to correspond to that which the Railway Company keeps at its own treating plants.

XVI. In case of any dispute or difference arising as to the interpretation of any sections herebefore set out, the said dispute and causes of differences shall be referred to arbitration and determination of a single arbitrator, if the parties hereto agree upon one; otherwise to three arbitrators - one to be appointed by each of the parties hereto and the third arbitrator to be nominated and appointed by the first named arbitrators. Should the first named arbitrators fail to agree upon the third arbitrator, then such selection shall be left to a Judge of the United States District Court for the District of the State of Washington. The decision of the single arbitrator or a majority of the three arbitrators shall be final and binding upon the parties. Pending the award of arbitration, there shall be no interruption in the transaction of business pursuant to this agreement and statements and payments in respect thereto shall be made in the same manner as prior to arising of such differences.

Each party shall pay for services of and all personal expenses incurred by arbitrator shosen by or for it and both parties shall jointly and equally pay for the services and expenses of the single or third arbitrator, together with all other and different expenses of the arbitration.

IVII. If at any time during the term of this agreement the operation of the Creosoting Company's plant shall be temporarily suspended because of fire, explosion, strikes or other causes not within its control, the time during which the operation of this plant shall be suspended shall not be counted as a part of the term of this agreement, and a corresponding additional time shall be given it for performing its obligations under this agreement; provided, however, in case of the total or partial desatruction of the said plant by fire or other cause the Creosoting Company shall promptly repair, rebuild and restore the same to substantially the same condition in which it was before such total or partial destruction and pending such reconstruction the Railway Company mays remove its ties and other material from the seasoning yard, untreated or for use/if desired for treatment at the its own or some other commercial plant.

XVIII. The Railway Company agrees to pay to the Creosoting Company for work performed and services rendered, as specified in this agreement, the following prices:

- A-1 For the treatment of all seasoned cross ties, per thousand feet \$6.25 board measure A-2 For treatment of unseasoned cross ties taken direct from incoming \$6,25 railroad cars, per thousand feet board measure A-3 For treatment of unseasoned cross ties taken from stock piles in \$6.70 seasoning yard, per thousand feet board measure B-1 For the treatment of all seasoned switch ties, per thousand feet \$8.00 board measure B-2 For the treatment of unseasoned switch ties taken direct from \$8.00 incoming railroad cars, per thousand feet board measure B-3 For the treatment of unseasoned switch ties taken from stock piles \$8,60 in seasoning yard, per thousand feet board measure
 - B-4 For the treatment of bridge ties in cylinder capacity lots the conditions and prices of B-1, B-2 and B-3 shall apply. For the treatment of bridge ties in less than cylinder capacity lots the conditions and prices of C-1, C-2, and C-3 shall apply.
 - C-1 For the treatment of all sawed material other than cross ties and switch ties in chinder charges of 30,000 feet board measure or less (the treating company being given the option of treating such charges separately or mixed with commercial material) per thousand feet board measure
 - C-2 For the treatment of all sawed material other than cross ties and switch ties in cylinder charges in excess of 30,000 feet board measure which require a time duration of not longer than twelve (12) actual treating hours, \$10,20 per thousand feet board measure
 - C-3 For the time in excess of twelve (12) actual treating hours required for treating material covered by paragraph G-2, per cylinder per hour or fraction thereof
 - D-1 For the treatment of all piling, poles and other similar material which requires a time duration not longer than twelve (12) actual treating hours, the Creosoting Company being given the option of treating quantities of less than a full cylinder charge either separately or combined with commercial material, per cubic foot
 - D-2 For time in excess of twelve (12) actual treating hours required for treating material covered by paragraph D-1, with the understanding that where material is treated in the same charge with commercial material the time over twelve (12) actual hours will be pro-rated between the Railway and commercial material in the proportion that the volume of the material of each bears to the total volume in the charge, per cylinder per hour or fraction thereof..\$5.10
 - D-3 The prices quoted in paragraphs D-1 and D-2 are predicated on the Railway Company having its own stocks of piling available for treatment. In the event the Railway Company does not have a stock of piling available for treatment the Railway Company shall have the option of purchasing untreated piles at mutually agreeable prices from the stock of the Creosoting Company, or purchasing treated piles which meet the Railway Company's requirements from the Creosoting Company at its current commercial price.
 - E-1 In cases where it is found, on account of unseasoned conditions of material, or other conditions not the responsibility of the Creosoting Company, an unsatisfactory treatment has been obtained and the Railway Company inspector considers it advisable to segregate and re-treat all or any portion of cylinder charge of piles, it shall be done at the following rate for each re-treatment in addition to the prices mentioned in paragraphs D-1 and D-2:

 (a) Two cents(\$.02) per cubic foot for piling, poles and other similar material retreated. It is understood that entire cylinder charges returned for continuation of treatment without segregation of any part of the material shall not be considered as coming under the provisions of this E-1.

- E-2 For storage of treated cross ties after treatment and subsequent loading on cars, in addition to prices A-1, A-2, A-3, per tue
- E-3 For storage of treated switch ties, stacking lengths separately and subdequent loading in accordance with the Railway Company's instructions for shipment, in addition to prices B-1, B-2, and B-3, per thousand feet board measure
- E-4 For incising sawed material other than cross ties and switch ties including all handling not included under paragraph C-1, C-2, C-3, necessary to accomplish it, per thousand feet board measure
- E-5 For other handling at the plant site, framing of timber, etc., as from time to time may be requested in writing by the Railway Company, shall be paid for at actual cost to the Creosoting Company, plus ten (10) per cent to cover supervision and profit.

XIX. It is understood and agreed that the prices quoted under Section XVIII, paragraphs A-1, A-2, A-3 and B-1, B-2, B-3, cover the unloading from railroad cars or barges, handling to the seasoning yard or to treating trams before treatment, moving them to boring, adzing and incising plant, boring, adzing and incising cross ties and incising switch ties; moving to cylinders, treating them and loading them from trams to railroad cars; and further that prices quoted under paragraphs C-1, C-2, C-3 and D-1, D-2, D-3, cover unloading material from railroad cars or barges and rafts, handling to seasoning yard or to trams, moving to treating cylinders, treating loading from trams on to railroad cars. The prices in Raragraphs A-B-C-D apply to treatment of both air-seasoned and artificially seasoned material.

The "actual treating hours" is considered to be the actual normal time occupied while the ties or other materials are in the cylinders in the process of treatment as shown by the treating records. Delays caused by failure of the Creosoting Company's equipment, low steam pressure, etc., shall be deducted when computing overtime charges.

Where material of the Railway Company is treated in the same charge with commercial material as provided for in Section XVIII, paragraphs C-1 and D-1, the Railway Company's stock of preservatives shall be charged with the calculated quantity required to treat its portion of the mixed load.

XX. The Creosoting Company agrees that, in case it, during the period of this agreement, makes contracts with other railroads directly or through their agents, for the treatment of forest products at prices lower than those scheduled in this agreement, then such lower prices shall become immediately effective in this contract.

XXI. The Railway Company will, on or before the thirtieth day of each month, pay to the Creosoting Company all sums owing to it at the end of the next preceding calendar month, upon proper bills, certified by the Railway Company representative, rendered promptly by the Creosoting Company to the Railway Company.

This agreement shall be effective as of January 1st, 1937 and shall remain in force for a period of five years, and continue thereafter until cancelled by either party giving one year's written notice to the other party. The effective date of cancellation shall be as of December 31st following the year's notice. The earliest date of the year's notice of cancellation shall be January 1st 1941. It is understood and agreed, however, that any forest products on hand for treatment at the termination of this contract shall be carried to treatment completion under the provisions of this agreement.

XXIII. This agreement shall inure to the benefit of and be binding upon the

parties hereto, their respective successors and assigns.

IN WITNESS WHEREOF each party hereto has caused this instrument to be signed by its proper official and its corporate seal is hereto affixed and attested by its Secretary, in duplicate, the day and year first above written.

NORTH By _	ERN PA	ACIFI	C RAILWAY C	OMPANY
WEST By	COAST	WOOD	PRESERVING	COMPANY

CONTRACT made this _______ day of ______, A.D. 1936, between the NORTHERN PACIFIC RAILWAY COMPANY, a Wisconsin corporation hereinafter called the "Railway Company," and the WEST COAST WOOD PRESERVING COMPANY, a Washington corporation hereinafter called the "Crecsoting Company."

In consideration of the mutual dependent promises stated in this contract the parties agree:

- I. The Creosoting Company shall store for seasoning and treat at its plant located in the city of Seattle, Washington, such forest products as may be offered by the Railway Company from time to time in accordance with specifications in Exhibit "A" attached and made part of this contract. The term "forest products" used herein is inclusive of cross ties, bridge ties and switch ties, timber, lumber, piling, and poles. It is understood and agreed that: (a) The Railway Company reserves the right to treat any portion or all of the forest products used by it in the territory tributary to the Creosoting Company's Seattle plant, in any one or more of the Railway Company's presently owned and individually operated treating plants. (b) The Railway Company shall offer to the Creosoting Company for treatment under the terms of this contract all forest products not reserved under the provisions of the foregoing paragraph (a).
- II. The Creosoting Company agrees that its plant shall be maintained during the term of this agreement in such degree of working efficiency that the capacity of the plant shall be adequate at all times to treat the yearly requirements of the Railway Company.
- III. The Railway Company will notify the Creosoting Company in writing prior to the first of October of each year of the approximate number of cross ties and other forest products which it desired to have stored for seasoning and subsequent treatment during the following calendar year.
- IV. The Railway Company will furnish open cars, in so far as may be possible, for delivery of untreated material and for shipment of treated material. The Railway Company at its own cost and expense will do all required switching of its cars of forest products billed to and from the plant. The Creosoting Company agrees to make requests for only such switching as is reasonably necessary and such switching shall be done so far as is practicable at times most convenient to the Railway Company between the hours of 7:00 A. M. and 6:00 P. M.
- V. The forest products to be furnished hereunder shall be delivered on cars at the plant of the Creosoting Company. The Creosoting Company shall promptly unload cars and stack the material in the storage yard of the plant for seasoning. The Railway Company in making deliveries to the Creosoting Company shall have regard to its capacity for receiving and stacking material. The Creosoting Company shall pay the Railway Company compensation for any delays in unloading said cars in accordance with the rates set up in the Railway Company's published demurrage tariffs whenever eight (8) or less cars are delivered per day. Whenever more than eight (8) cars per day shall be delivered the expense incident to the detention of cars for unloading shall be assumed by the Railway Company. The Creosoting Company will accept delivery of forest products on scows or in rafts alongside its plant under the same conditions as outlined for delivery on cars, except that the Creosoting Company will not be required to pay the Railway Company for delays in unleading such scows or rafts.
- VI. All cross ties will be properly segregated by grades on cars by the Railway Company to facilitate stacking for seasoning and subsequent treatment by grades. Switch ties, timber and piling delivered shall be sorted by the Creosoting Company, at its own expense, for its convenience in handling for treatment.

VII. All treated material shall be loaded and billed as directed by the Railway Company. Cross ties will be loaded by grades and rail borings. Switch ties will be loaded by lengths.

The Railway Company shall furnish promptly all cars required to ship out treated material. The Creosoting Company agrees to give the Railway Company at least five days' notice as to the time such cars are required.

XII. The Railway Company desires to have its cross ties treated during the months November to March, inclusive. The Creosoting Company agrees to use reasonable efforts with due regard to the business offered by other customers and the treating capcity of its plant to treat the yearly requirements in this interval if sufficiently properly seasoned ties are available. If for any reason the Creosoting Company at any time cannot with reasonable effort carry out the aforementioned preferential agrangement, the Railway Company agrees to have delivered green ties in advance of requirements so that sufficient seasoned ties will be available for treatment at approximately uniform monthly rates for the yearly requirements.

XIII. The Creosoting Company agrees to store treated ties in its storage yard up to the convenient capacity for temporary storage at the request of the Railway Company. The storage and extra handling involved in loading into cars shall be compensated for at a price scheduled in this agreement.

XIV. The Creosoting Company agrees that upon the written request of the Railway Company to do so, it will accept any modification, changes or substitutions in the specifications in Exhibit "A" hereinbefore mentioned, provided such modifications, changes, or substitutions will not require the purchase of any additional equipment, or increase the cost to the Creosoting Company or lessen the plant capacity.

The Railway Company agrees that in the event a change of process is made, at its request, it will pay the Creosoting Company any royalty the Creosoting Company may be required to payin consequence thereof, and will also protect the Creosoting Company against all claims pertaining thereto.

XV. The Railway Company, through its designated representatives or agents, shall have access at all reasonable times to the plant and premises of the Creesoting Company and the right to inspect all operations therein, and shall be furnished all necessary and proper facilities for testing the preservatives employed and the amount absorbed by each charge of ties and other material treated for the Railway Company.

The Creosoting Company shall furnish records on forms furnished by the Railway Company of all treating operations to correspond to that which the Railway Company keeps at its own treating plants.

XVI. In case of any dispute or difference arising as to the interpretation of any sections herebefore set out, the said dispute and causes of differences shall be referred to arbitration and determination of a single babitrator, if the parties hereto agree upon one; otherwise to three arbitrators - one to be appointed by each of the parties hereto and the third arbitrator to be nominated and appointed by the first named arbitrators. Should the first named arbitrators fail to agree upon the third arbitrator, then such selection shall be left to a Judge of the United States District Court for the District of the State of Washington. The decision of the single arbitrator or a majority of the three arbitrators shall be final and binding upon the parties. Pending the award of arbitration, there shall be no interruption in the transaction of business pursuant to this agreement and statements and payments in respect thereto shall be made in the same manner as prior to arising of such differences.

Each party shall pay for services of and all personal expenses incurred by arbitrator chosen by or for it and both parties shall jointly and equally pay for the services and expenses of the single or third arbitrator, together with all other and different expenses of the arbitration.

XVII. If at any time during the term of this agreement the operation of the Creosoting Company's plant shall be temporarily suspended because of fire, explosion, strikes, or other causes not within its control, the time during which the operation of this plant shall be suspended shall not be counted as a part of the term of this agreement, and a corresponding additional time shall be given it for performing its obligations under this agreement; provided, however, in case of the total or partial destruction of the said plant by fire or other cause the

Creosoting Company shall promptly repair, rebuild and mestore the same to substantially the same condition in which it was before such total or partial destruction and pending such reconstruction the Railway Company may remove its ties and other material from the seasoning yard for use untreated or if desired for treatment at its own or some other commercial plant.

XVIII. The Railway Company agrees to pay to the Creosoting Company for work performed and services rendered, as specified in this agreement, the following prices:

A-1	For the treatment of all seasoned cross ties, per thousand feet board measure	\$6.25
A-2	For treatment of unseasoned cross ties taken direct from incoming railroad cars, per thousand feet board measure	\$6.25
A-3	For treatment of unseasoned cross ties taken from stock piles in seasoning yard, per thousand feet board measure	\$6.70
B-1	For the treatment of all seasoned switch ties, per thousand feet board measure	\$8.00
B-2	For the treatment of unseasoned switch ties taken direct from incoming railroad cars, per thousand feet board measure	\$8.00
B-3	For the treatment of unseasoned switch ties taken from stock piles in seasoning yard, per thousand feet board measure	\$8.60
B-4	For the treatment of bridge ties in cylinder capacity lots the conditions and prices of B-1, B-2, and B-3 shall apply. For the treatment of bridge ties in less than cylinder capacity lots, the conditions and prices of C-1, C-2, and C-3 shall apply.	
C-1	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges of 50,000 feet board measure or less (the treating company being given the option of treating such charges separately or mixed with commercial material) per thousand feet board measure	\$12.80
C-2	For the treatment of all sawed material other than cross ties and swittes in cylinder charges in excess of 30,000 feet board measure which require a time duration of not longer than twelve (12) actual treating hours, per thousand feet board measure	1
C-3	For the time in excess of twelve (12) actual treating hours required for treating material covered by paragraph C-2, per cylinder per hour or fraction thereof	\$5.10
D-1	For the treatment of all piling, poles, and other similar material which requires a time duration not longer than twelve (12) actual treating hours, the Creosoting Company being given the option of treating quantities of less than a full cylinder charge either	\$0.14
D-2	For time in excess of twelve (12) actual treating hours required for treating material covered by paragraph D-1, with the understanding that where material is treated in the same charge with commercial material the time over twelve (12) actual hours will be pro-rated between the Railway and commercial material in the proportion that the volume of the material of each bears to the total volume in the charge, per cylinder per hour orfraction thereof	\$5.10

- D-3 The prices quoted in paragraphs D-1 and D-2 are predicated on the Railway Company having its own stocks of piling available for treatment. In the event the Railway Company does not have a stock of piling available for treatment the Railway Company shall have the option of purchasing untreated piles at mutually agreeable prices from the stock of the Creosoting Company, or purchasing treated piles which meet the Railway Company's requirements from the Creosoting Company at its current commercial price.
- E-1 In cases where it is found, on account of unseasoned conditions of material, or other conditions not the responsibility of the Creosoting Company, an unsatisfactory treatment has been obtained and the Railway Company's inspector considers it advisable to segregate and re-treat all or any portion of cylinder charge of piles, it shall be done at the following rate for each re-treatment in addition to the prices mentioned in paragraphs D-1 and D-2:

 (a) Two cents (\$.02) per cubic foot for piling, poles, and other similar material retreated. It is understood that entire cylinder charges returned for continuation of treatment without segregation of any part of the material shall not be considered as coming under the provisions of this E-1.

- E-4 For incising sawed material other than cross ties and switch ties including all handling not included under paragraph C-1, C-2, C-3, necessary to accomplish it, per thousand feet board measure..... \$0.50
- E-5 For other handling at the plant site, framing of timber, etc., as from time to time may be requested in writing by the Railway Company, shall be paid for at actual cost to the Creosoting Company, plus ten (10) per cent to cover supervision and profit.

XIX. It is understood and agreed that the prices quoted under Section XVIII, Paragraphs A-1, A-2, A-3 and B-1, B-2, B-3, cover the unloading from railroad cars or barges, handling to the seasoning yard or to treating trams before treatment, moving them to boring, adzing and incising plant, adzing and incising cross ties and incising switch ties; moving to cylinders, treating them and loading them from trams to railroad cars; and further that prices quoted under paragraph C-1, C-2, C-3 and D-1, D-2, D-3, cover unloading material from railroad cars or barges and rafts, handling to seasoning yard or to trams, moving to treating cylinders, treating loading from trams on to railroad cars. The prices in Paragraphs A-B-C-D apply to treatment of both air-seasoned and artificially seasoned material.

The "actual treating hours" is considered to be the actual normal time occupied while the ties or other materials are in the cylinder in the process of treatment as shown by the treating records. Delays caused by failure of the Creosoting Company's equipment, low steam pressure, etc., shall be deducted when computing overtime charges.

Where material of the Railway Company is treated in the same charge with commercial material as provided for in Section XVIII, paragraphs C-1 and D-1, the Railway Company's stock of preservatives shall be charged with the calculated quantity required to treat its portion of the mixed load.

XX. The Creosoting Company agrees that, in case it, during the period of this agreement, makes contracts with other railroads directly or through their agents, for the treatment of forest products at prices lower than those scheduled in this agreement, then such lower prices shall become immediately effective in this contract.

XXI. The Railway Company will, on or before the thirtieth day of each month, pay to the Creosoting Company all sums owing to it at the end of the next preceding calendar month, upon proper bills, certified by the Railway Company's representative, rendered promptly by the Creosoting Company to the Railway Company.

shall remain in force for a period of five years, and continue thereafter until cancelled by either party giving one year's written notice to the other party. The effective date of cancellation shall be as of December 31st following the year's notice. The earliest date of the year's notice of cancellation shall be January 1st, 1941. It is understood and agreed, however, that any forest products on hand for treatment at the termination of these contract shall be carried to treatment completion under the provisions of this agreement.

XXIII. This agreement shall inure to the benefit of and be binding upon the parties hereto, their respective successors and assigns.

IN WITNESS WHEREOF each party hereto has caused this instrument to be signed by its proper official and its corporate seal is hereto affixed and attested by its Secretary, in duplicate, the day and year firstabove written.

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Statemet 18º 12 Record of connerceal loads of treated friest products from the Seattle Plant of the West Coast Wood Presung Co taken from the records of the Wood Presung Co. ly G. R. Hopkins asst Gent Suft. Tunder Pursualur dung august 1936. Short hauls was considered as being west of Butte and Transcentental as east of Butte Jean 1935 - N.P. 70 U.P. G.N. Milmules Tolat Trusmital 46 45 36 13 17 102 Short Haul 38 51 4 21 12 75 Totals 8.4 47 30 34 29 177 year 1936 - Frist & mouth 52 Transmilarlat 29 56 10 Shur Haul 67 15 34 10 151 15 Tolals 96 55 42 173 20 year 1936 July 1- to aug 17 8 40 20 Mansatul Shir Haul 25 56 33 51 Totals 65 20 Grand To Trunculal 83 48 23 174 26 130 54 Shall Heard 19 70 22 241 213 415 96 45 Puralys 51.3% 14,690 100 70 23,190 ass Chilling

Statement 12 13 Patiend Pole & Treating Co contract dated fine Featurated Cest to G. N. for briality for cross tris 7+8-8, tracting in next fire year perud slightly less than 1,750,000 cuft per year Rental 35,000 per year Pu Tue MSh. BM Draling per his 778-8 18.96 . 3319 . 1.66 2) Quilil Received \$35,000 .0622 · net list 2697 7.30 Ludie Aleins \$,0120 O Taxes in Glant 2) Durina in Plant ,0010 2 Stale Dudustrial Tax & Werkmen Confinsation .0017 4) Federal Security Tax ,0011. 5) Queiners & accupational Tax 10008 TotalTax ,0166 Total Cast to 6, N. (2)+(5) 7.2863 0 n. P. Cest Seattle (new Contract) 0 2331 DG, N. Total Simultant 500,000, @5/0 = Grung 12,625 . 0532 22.8 % .0243 13 Grand Total Cost & 6. N. (7) +(11) 3105 .0264 BG. N. Total Durushul 500,000 sependen @ 3% = 15,000 =

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Jany 12/ 1937 1 Mian Sec. 342/1937 4 2 years dec 31 1938 -11 1938 11 1939 3 years sec 31 1939. 4 11 1940 4 year alec 31 - 1940 v n 1 1941 5 years elec 31 194/-Charge Sheet 1-6-7

B-4 For the treatment of bridge ties in cylinder capacity lots the conditions and prices of B-1, B-2 and B-3 shall apply. For the treatment of bridge ties in less than cylinder capacity lots the conditions and prices of C-1, C-2 and C-3 shall apply.

Paring ph (7) . Crosoting Companys (1) It is understood and agreed that: (a) The Dailway Camppany reserves the right to treat any portion are all of the fresh products used in the territory Tributary to the Seattle plant, in any one or more of its presently owned and indudnally operated totaling planels. (b) The Railway Centrary whall offer to for treatment under the terms of this reserved under the foregoing pagrupa I The Railway Company will furnish all crevsote and petrolin ail required to treat lits material under this agreement. The Crosoting Company agrees to inlead and store all creosote and petroleum oil purnished by the Railway Company was railraid tank cars 7.0.13 at the plant, The a storage with at capacity of 300,000 gals

for cresole furnished by the Rulway Cumpany Crevite Junished by the Railray Company from vessels or barges shall be delinered into the storage touch without expense to the Crevolling Company 1 Contine as present

D-3. The prices quoted in paragraphs D-1 and D-r are predicated on the Railway & Curipany harring its own stocks of piling available for triatment. In the event the Railway company down not have a stock of piling available for trealments the Railway wish all have the option of purchasing untrealed piles from the stock of the Crivoling Company or purchasing treated piles which meet the Railway Company's regenille from the Crisoting Company at its current commercial price.

E-3 for storage of treated switch ties after treatment, atacking lengths separately and subsequent loading in a cerdance with the Railway Company's instructions for Shipment, in addition to prices B-1, B-2 and B-3, puthuis and feet board measure - - - 0.60

It This agreement shall be effective as of January 1Dt, 1937 and shall remain in force for a period of for years, and centime thereafter will Caricelled by either garty giving one years written notice to the other party. The effecture date of Concellation shall be as of december 3/24 following the year's notice. The earliest date of the years notice of Dan cellation shall be Jany 12 1940. It is understood and agreed, however, that any forest products on hand for treatment at the termation date of this contract shall be Carried to treatment completion under the privisius of this agreement.

B-4 For treatment of bridge ties in cylinder eapauly lots the conditions and prices of B-1 pB-2 and B-3 shall apply for the treatment of tridge ties in less than cylinder lots the material shall be handled under the spanagraphs of C-1, C-2 and C-3.

Don N. May

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De Sealtle Washingter September 2nd - 1936

TENTATIVE DRAFT OF CONTRACT

CONTRACT Made this	day of	, A.D. 1936, between	
the NORTHERN PACIFIC RAILWAY COM			
the "Railway Company", and the V	WEST COAST WOOD PRESE	erving company, a Washington	N
corporation hereinafter called t			

In consideration of the mutual dependent promises stated in this contract the parties agree:

I. The Creosoting Company shall store for seasoning and treat at its plant located in the city of Seattle, Washington, such forest products as may be offered by the Railway Company from time to time in accordance with specifications in Exhibit "A" attached and made part of this contract. The term "forest products" used herein is inclusive of cross ties and switch ties, timber, lumber, piling and poliss. Add grayulf. A

II. The Creosoting Company agrees that its plant shall be maintained during the term of this agreement in such degree of working efficiency that the capacity of the plant shall be adequate at all times to treat the yearly requirements of the Railway Company.

TII. The Railway Company will notify the Creosoting Company in writing prior to the first of October of each year of the approximate number of cross ties and other forest products which it desires to have stored for seasoning and subsequent treatment during the following calendar year.

IV. The Railway Company will furnish open cars, in so far as may be possible, for delivery of untreated material and for shipment of treated material. The Railway Company at its own cost and expense will do all required switching of its cars of forest products billed to and from the plant. The Creosoting Company agrees to make requests for only such switching as is reasonably necessary and such switching shall be done so far as is practicable at times most convenient to the Railway Company between the hours of 7:00 A.M. and 6:00 P.M.

V. The forest products to be furnished hereunder shall be delivered on cars at the plant of the Creosoting Company. The Creosoting Company shall promptly unload cars and stack the material in the storage yard of the plant for seasoning. The Railway Company in making deliveries to the Creosoting Company shall have regard to its capacity for receiving and stacking material. The Creosoting Company shall pay the Railway Company compensation for any delays in unloading

rates set up in the

whenever eight (8) or less cars are delivered per day. Whenever more than eight
(8) cars per day shall be delivered the expense incident to the detention of cars
for unloading shall be assumed by the Railway Company. The Creosoting Company
in
will accept delivery of forest products on scows or/rafts alongside its plant
alongside its plant under the same conditions as outlined for delivery on cars,
except that the creosoting Company will not be required to pay the Railway Company
for delays in unloading such scows or rafts.

VI. All cross ties will be properly segregated by grades on cars by the Railway Company to facilitate stacking for seasoning and subsequent treatment by grades. Switch ties, timber and piling delivered shall be sorted by the Creosoting Company, at its own expense, for its convenience in handling for treatment.

VII. All treated material shall be loaded and billed as directed by the Railway Company. Cross ties will be loaded by grades and rail borings. Switch ties will be loaded by lengths.

The Railway Company shall furnish promptly all cars required to ship out treated material. The Creosoting Company agrees to give the Railway Company at least five days' notice as to the time such cars are required.

VIII. The Creosoting Company shall provide fire protection for seasoning and storage yard satisfactory to the Railway Company.

The forest products shall remain the property of the Railway Company and be insured by it against loss by fire.

each car as soon as possible after receipt of car at its plant, either before or immediately after unloading, against invoice or inspection reports furnished by the Railway Company and to mail reports of such tally to the Railway Company representative immediately after each invoice or inspection report has been tallied, and if any discrepancy occurs to tally a second time to verify the first count.

The Creosoting Company agrees that, as far as practicable, it shall have painted on each stack the initial, number and out turn of each car from which material is unloaded, and the date of unloading.

The Creosching Company agrees to return to the Railway Company the identical material shipped to it by the Railway Company after said material has been treated, and in case there should be any shortage whatever, the Creosching

Company agrees to pay the Railway Company therefor at the market price at Seattle, Washington, of like material at the time the shortage is discovered; provided, however, that the Creosoting Company shall not be responsible for shortage resulting from fire or causes which are clearly beyond its control. Joint inventories of all forest products shall be taken at least every six months and discrepancies found adjusted at that time.

The Creosoting Company agrees to furnish reports of all material delivered, shipped, used and on hand at regularly stated intervals as may be required by the Store Department or the Insurance Department of the Railway Company.

The Railway Company will furnish all creosote and petroleum oil required to treat its material under this agreement f.o.b. cars or in vessels at the plant. The Creosoting Company agrees to unload and furnish the storage for creosote and oil. Should the Railway Company elect to permit the Creosoting Company to purchase creosote and oil for it, the prices to be paid and the quantities to be purchased for its account must be approved by the Railway Company and the material must conform to the current specifications of the Railway Company to be kept on file with the Creosoting Company. The Railway Company shall carry the insurance and pay the taxes on creosote and oil stored for it by the Creosoting Company, and agrees to pay promptly all invoices covering creosote and oil purchased with its authority for its account.

XI. The Creosoting Company agrees to provide storage tanks of suitable capacity to store the preservatives required for treating the material of the Railway Company, together with working tanks and proper gauges to insure accurate and satisfactory measurements of creosote and oil used in the treatment of the different classes of material for the Railway Company.

The Creosoting Company may, with the written consent of the Railway Company first had and obtained use the preservatives belonging to the Railway Company for the purpose of treating forest products for other concerns in the same plant, and the Creosoting Company shall thereupon promptly replace preservatives so used with other preservatives meeting the specifications of the Railway Company and shall permit no delays in the treatment of Railway Company material to result from such use. In case the Greosoting Company shall be permitted such use of Railway Company preservatives, then joint inventories of preservatives shall be made at the end of each month or at any other appropriate time for the purpose of

adjusting surplus or deficits. Any surplus or deficit must be pro-rated on the relative final retention of preservatives for the different classes of material treated for the parties concerned.

XII. The Railway Company desires to have its cross ties treated during the period from August 1st to December 31st of each year. The Crecsoting Company agrees to use reasonable efforts with due regard to the business offered by other customers and the treating capacity of its plant to treat the yearly requirements in this interval if sufficiently properly seasoned ties are available. If for any reason the Crecsoting Company at any time cannot with reasonable effort carry out the aforementioned preferential arrangement, the Railway Company agrees to have delivered green ties in advance of requirements so that sufficient seasoned ties will be available for treatment at approximately uniform monthly rates for the yearly requirements.

XIII. The Creosoting Company agrees to store treated ties in its storage yard up to the convenient capacity for temporary storage at the request of the Railway Company. The storage and extra handling involved in loading into cars shall be compensated for at a price scheduled in this agreement.

XIV. The Creosoting Company agrees that upon the written request of the Railway Company to do so, it will accept any modification, changes or substitutions in the specifications in Exhibit "A" hereinbefore mentioned, provided such modifications, changes or substitutions will not require the purchase of any additional equipment, or increase the cost to the Creosoting Company or lessen the plant capacity.

The Railway Company agrees that in the event a change of process is made, at its request, it will pay the Creosoting Company any royalty the Creosoting Company may be required to pay in consequence thereof and will also protect the Creosoting Company against all claims pertaining thereto.

XV. The Railway Company, through its designated representatives or agents, shall have access at all reasonable times to the plant and premises of the Creosoting Company and the right to inspect all operations therein, and shall be furnished all necessary and proper facilities for testing the preservatives employed and the amount absorbed by each charge of ties and other material treated for the Railway Company.

The Creosoting Company shall furnish records on forms furnished by the Railway Company of all treating operations to correspond to that which the Railway Company keeps at its own treating plants.

of the ound or some other armerical plant.

XVI. In case of any dispute or difference arising as to the interpretation of any sections herebefore set out, the said dispute and causes of differences shall be referred to arbitration and determination of a single arbitrator, if the parties hereto agree upon one; otherwise to three arbitrators - one to be appointed by each of the parties hereto and the third arbitrator to be nominated and appointed by the first named arbitrators. Should the first named arbitrators fail to agree upon the third arbitrator, them such selection shall be left to a Judge of the United States District Court for the District of the State of Washington. The decision of the single arbitrator or a majority of the three arbitrators shall be final and binding upon the parties. Pending the award of arbitration, there shall be no interruption in the transaction of business pursuant to this agreement and statements and payments in respect thereto shall be made in the same manner as prior to arising of such differences.

Each party shall pay for services of and all personal expenses incurred by arbitrator chosen by or for it and both parties shall jointly and equally pay for the services and expenses of the single or third arbitrator, together with all other and different expenses of the arbitration.

Creosoting Company's plant shall be temporarily suspended because of fire, explosion, strikes or other causes not withinits control, the time during which the operation of this plant shall be suspended shall not be counted as a part of the term of this agreement, and a corresponding additional time shall be given it for performing its obligations under this agreement; provided, however, in case of the total or partial destruction of the said plant by fire or other cause the Creosoting Company shall promptly repair, rebuild and sestore the same to substantially the same condition in which it was before such total or partial destruction and pending such reconstruction ax the Railway Company may remove its ties and other material from the seasoning yard, for we installed or if desired for Mealer.

XVIII. The Railway Company agrees to pay to the Creosoting Company for work performed and services rendered, as specified in this agreement, the following prices:

A-2 For treatment of unseasoned cross ties taken direct from incoming railroad cars, per thousand feet board measure \$6.25

A-3 \	For treatment of unseasoned cross ties taken from stock piles in seasoning yard, per thousand feet board measure	•70
B-1	For the treatment of all seasones switch ties, per thousand feet board measure	.00
B-2	For the treatment of unseasoned switch ties taken direct from incoming railroad cars, per thousand feet board measure	3.00
B-3	For the treatment of unseasoned switch ties taken from stock piles in seasoning yard, per thousand feet board measure	3.60
C-1	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges of 30,000 feet board measure or less (The Treating Company being given the option of treating such charges separately or mixed with commercial material) per thousand feet board measure	L2.80
C-2	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges in excess of 30,000 feet board measure which require a time duration of not longer than twelve (12) actual treating hours, per thousand feet board measure.	. \$10.20
C-3	For the time in excess of twelve (12) actual treating hours required for treating material covered by paragraph C-2, per cylinder per hour or fraction thereof	5.10
D-1	For the treatment of all piling, poles and other similar material which requires a time duration not longer than twelve (12) actual treating hours, the Creosoting Company being given the option of treating quantities of less than a full cylinder charge either separately or combined with commercial material, per cubic foot	\$0 .14
D-2	For time in excess of twelve (12) actual treating hours required for treating material covered by paragraph D-1, with the understanding that where material is treated in the same charge with commercial material the time over twelve actual hours will be pro-rated between the Railway and commercial material in the proportion that the volume of the material of each bears to the total volume in the charge, per cylinder per hour or fraction thereof.	\$5.10
D-3	The prices quoted in paragraphs D-1 and D-2 are predicated on the Railway Company having its own stocks of piling available for treatment. In the event the Railway Company does not have a stock of piling available for treatment the Creosoting Company is given the further option of furnishing treated piles that will meet the Railway Company's requirements, from its stock at its current commercial price, which shall not exceed the price that would have been paid if the piles had been treated in accordance with paragraphs D-1 and D-2.	
E-1	In cases where it is found, on account of unseasoned conditions of material, or other conditions not the responsibility of the Creosoting Company, an unsatisfactory treatment has been obtained and the Railway Company inspector considers it advisable to segregate and re-treat all or any portion of cylinder charge of piles, it shall be done at the following rate for each re-treatmen in addition to the prices mentioned in paragraphs D-1 and D-2: (a) Two cents (\$.020 per cubic foot for poling, poles and other similar material retreated. It is understood that entire cylinder charges returned for continuation of treatment without segregation of any part of the material shall not be considered as coming under the provisions of this E-1.	t

\$0.01

For storage of treated cross ties after treatment and subsequent loading on cars, in addition to prices A-1, A-2, A-3, per tie

E-2

De punel XIII

For unloading treated switch ties from trams, storing in yards, stacking lengths separately and reloading in accordance with Railway Company's instructions for shipment, per thousand feet

For incising sawed material other than cross ties and switch ties including all handling not included under paragraphs C-1, C-2, C-3 necessary to accomplish it, per thousand feet board actual cost to the Crisoling Company

For other handling at the plant site, framing of timber, etc., as from time to time may be requested in writing by the Railway Company, shall be paid for at rates mutually agreed upon, plusm ten (10) per cent to cover supervision and profit.

XIX. It is understood and agreed that the prices quoted under Section XVIII, paragraphs A-1, A-2, A-3 and B-1, B-2, B-3 cover the unloading from railroad cars or barges, handling to the seasoning yard or to treating trams before treatment, moving them to boring, adzing and incising plant, boring, adzing and incising cross ties and incising switch ties only; moving to cylinders, treating them and loading them from trams to railroad cars; and further that prices quoted under paragraphs C-1, C-2, C-3 and D-1, D-2, D-3 cover unloading material from railroad cars or barges and rafts, handling to seasoning yard or to trams, moving to treating cylinders, treating and loading from trams on to railroad cars. The prices in Paragraphs A, B, C, and D apply to treatment to both air-seasoned and artifically seasoned material.

The "actual treating hours" are considered to be the actual normal time occupied while the ties or other materials are in the cylinders in the process of treatment as shown by the treating records. Delays caused by failure of the Creosoting Company's equipment, low steam pressure, etc., shall be deducted when computing overtime charges.

Where material of the Railway Company is treated in the same load with commercial material as provided for in Section XVIII, paragraphs C-1 and D-1, the Railway Company's stock of preservatives shall be charged with the calculated quantity required to treat its portion of the mixed load.

XX. The Creosoting Company agrees that, in case it, during the period of this agreement, makes contracts with other railroads directly or through their agents for the treatment of forest products at prices lower than those scheduled in this agreement, then such lower prices shall become immediately effective in this contract.

XXI. The Railway Company will, on or before the thirtieth day of each month, pay to the Creosoting Company all sums owing to it at the end of the next preceding calendar month, upon proper bills, certified by the Railway Company representative, rendered promptly by the Creosoting Company to the Railway Company.

XXII. This agreement shall be effective as of January 1st, 1937 and shall remain in force for a period of five years, and continue thereafter until cancelled by either party giving one year's written notice to the other party. The effective date of cancellation shall be as of December 31st following the year's notice. It is understood and agreed, however, that any forest products on hand for treatment at the termination date of this contract shall be carried to treatment completion under the provisions of this agreement.

XXIII. This agreement shall inure to the benefit of and be binding upon the parties herto, their respective successors and assigns.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be signed by its proper official and its corporate seal is hereto affixed and attested by its Secretary, in duplicate, the day and year first above written.

NORT By_	HERN P	ACIFI	C RAILWAY (COMPANY
	COAST	WOOD	PRESERVING	COMPANY
By		545		

TENTATIVE DRAFT OF CONTRACT

\	CONTRACT Made this	_day of		A.D. 1936, be	tween
the	NORTHERN PACIFIC RAILWAY COMPANY,	a Wisconsin	corporation	n hereinafter	called
the	"Railway Company", and the WEST Co	DAST WOOD PR	ESERVING CO	DMPANY, a	
corp	oration hereinafter called the "C	reosoting Co	mpany."		

In consideration of the mutual dependent promises stated in this contract the parties agree:

- I. The Creosoting Company shall store for seasoning and treat at its plant located in the city of Seattle, Washington, such forest products as may be offered by the Railway Company from time to time in accordance with specifications in Exhibit "A" attached and made part of this contract. The term "forest products" used herein is inclusive of cross ties and switch ties, timber, lumber, piling and polés.
- II. The Creosoting Company agrees that its plant shall be maintained during the term of this agreement in such degree of working efficiency that the capacity of the plant shall be adequate at all times to treat the yearly requirements of the Railway Company.
- III. The Railway Company will notify the Creosoting Company in writing prior to the first of October of each year of the approximate number of cross ties and other forest products which it desires to have stored for seasoning and subsequent treatment during the following calendar year.
- TV. The Railway Company will furnish open cars, in so far as may be possible, for delivery of untreated material and for shipment of treated material. The Railway Company at its own cost and expense will do all required switching of its cars of forest products billed to and from the plant. The Creosoting Company agrees to make requests for only such switching as is reasonably necessary and such switching shall be done so far as is practicable at times most convenient to the Railway Company between the hours of 7:00 A.M. and 6:00 P.M.
- V. The forest products to be furnished hereunder shall be delivered on cars at the plant of the Creosoting Company. The Creosoting Company shall promptly unload cars and stack the material in the storage yard of the plant for seasoning. The Railway Company in making deliveries to the Creosoting Company shall have regard to its capacity for receiving and stacking material. The Creosoting Company shall pay the Railway Company compensation for any delays in unloading

whenever eight (8) or less cars are delivered per day. Whenever more than eight (8) cars per day shall be delivered the expense incident to the detention of cars for unloading shall be assumed by the Railway Company. The Creosoting Company in will accept delivery of forest products on scows or/rafts alongside its plant alongside its plant under the same conditions as outlined for delivery on cars, except that the creosoting Company will not be required to pay the Railway Company for delays in unloading such scows or rafts.

VI. All cross ties will be properly segregated by grades on cars by the Railway Company to facilitate stacking for seasoning and subsequent treatment by grades. Switch ties, timber and piling delivered shall be sorted by the Creosoting Company, at its own expense, for its convenience in handling for treatment.

VII. All treated material shall be loaded and billed as directed by the Railway Company. Cross ties will be loaded by grades and rail borings. Switch ties will be loaded by lengths.

The Railway Company shall furnish promptly all cars required to ship out treated material. The Creosoting Company agrees to give the Railway Company at least five days' notice as to the time such cars are required.

VIII. The Creosoting Company shall provide fire protection for seasoning and storage yard satisfactory to the Railway Company.

The forest products shall remain the property of the Railway Company and be insured by it against loss by fire.

IX. The Creosoting Company agrees to count and tally material received in each car as soon as possible after receipt of car at its plant, either before or immediately after unloading, against invoice or inspection reports furnished by the Railway Company and to mail reports of such tally to the Railway Company representative immediately after each invoice or inspection report has been tallied, and if any discrepancy occurs to tally a second time to verify the first count.

The Creosoting Company agrees that, as far as practicable, it shall have painted on each stack the initial, number and out turn of each car from which material is unloaded, and the date of unloading.

The Creosotting Company agrees to return to the Railway Company the identical material shipped to it by the Railway Company after said material has been treated, and in case there should be any shortage whatever, the Creosoting

Company agrees to pay the Railway Company therefor at the market price at Seattle, Washington, of like material at the time the shortage is discovered; provided, however, that the Creosoting Company shall not be responsible for shortage resulting from fire or causes which are clearly beyond its control. Joint inventories of all forest products shall be taken at least every six months and discrepancies found adjusted at that time.

The Creosoting Company agrees to furnish reports of all material delivered, shipped, used and on hand at regularly stated intervals as may be required by the Store Department or the Insurance Department of the Railway Company.

A. The Railway Company will furnish all creosote and petroleum oil required to treat its material under this agreement f.o.b. cars or in vessels at the plant. The Creosoting Company agrees to unload and furnish the storage for creosote and oil. Should the Railway Company elect to permit the Creosoting Company to purchase creosote and oil for it, the prices to be paid and the quantities to be purchased for its account must be approved by the Railway Company and the material must conform to the current specifications of the Railway Company to be kept on file with the Creosoting Company. The Railway Company shall carry the insurance and pay the taxes on creosote and oil stored for it by the Creosoting Company, and agrees to pay promptly all invoices covering creosote and oil purchased with its authority for its account.

XI. The Creosoting Company agrees to provide storage tanks of suitable capacity to store the preservatives required for treating the material of the Railway Company, together with working tanks and proper gauges to insure accurate and satisfactory measurements of creosote and oil used in the treatment of the different classes of material for the Railway Company.

The Creosoting Company may, with the written consent of the Railway Company first had and obtained use the preservatives belonging to the Railway Company for the purpose of treating forest products for other concerns in the same plant, and the Creosoting Company shall thereupon promptly replace preservatives so used with other preservatives meeting the specifications of the Railway Company and shall permit no delays in the treatment of Railway Company material to result from such use. In case the preservatives, then joint inventories of preservatives shall be made at the end of each month or at any other appropriate time for the purpose of

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adjusting surplus or deficits. Any surplus or deficit must be pro-rated on the relative final retention of preservatives for the different classes of material treated for the parties concerned.

XII. The Railway Company desires to have its cross ties treated during the period from August 1st to December 31st of each year. The Creosoting Company agrees to use reasonable efforts with due regard to the business offered by other customers and the treating capacity of its plant to treat the yearly requirements in this interval if sufficiently properly seasoned ties are available. If for any reason the Creosoting Company at any time cannot with reasonable effort carry out the aforementioned preferential arrangement, the Railway Company agrees to have delivered green ties in advance of requirements so that sufficient seasoned ties will be available for treatment at approximately uniform monthly rates for the yearly requirements.

XIII. The Creosoting Company agrees to store treated ties in its storage yard up to the convenient capacity for temporary storage at the request of the Railway Company. The storage and extra handling involved in loading into cars shall be compensated for at a price scheduled in this agreement.

XIV. The Creosoting Company agrees that upon the written request of the Railway Company to do so, it will accept any modification, changes or substitutions in the specifications in Exhibit "A" hereinbefore mentioned, provided such modifications, changes or substitutions will not require the purchase of any additional equipment, or increase the cost to the Creosoting Company or lessen the plant capacity.

The Railway Company agrees that in the event a change of process is made, at its request, it will pay the Creosoting Company any royalty the Creosoting Company may be required to pay in consequence thereof and will also protect the Creosoting Company against all claims pertaining thereto.

XV. The Railway Company, through its designated representatives or agents, shall have access at all reasonable times to the plant and premises of the Creosoting Company and the right to inspect all operations therein, and shall be furnished all necessary and proper facilities for testing the preservatives employed and the amount absorbed by each charge of ties and other material treated for the Railway Company.

The Creosoting Company shall furnish records on forms furnished by the Railway Company of all treating operations to correspond to that which the Railway Company keeps at its own treating plants. XVI. In case of any dispute or difference arising as to the interpretation of any sections herebefore set out, the said dispute and causes of differences shall be referred to arbitration and determination of a single arbitrator, if the parties hereto agree upon one; otherwise to three arbitrators - one to be appointed by each of the parties hereto and the third arbitrator to be nominated and appointed by the first named arbitrators. Should the first named arbitrators fail to agree upon the third arbitrator, then such selection shall be left to a Judge of the United States District Court for the District of the State of Washington. The decision of the single arbitrator or a majority of the three arbitrators shall be final and binding upon the parties. Pending the award of arbitration, there shall be no interruption in the transaction of business pursuant to this agreement and statements and payments in respect thereto shall be made in the same manner as prior to arising of such differences.

Each party shall pay for services of and all personal expenses incurred by arbitrator chosen by or for it and both parties shall jointly and equally pay for the services and expenses of the single or third arbitrator, together with all other and different expenses of the arbitration.

XVII. If at any time during the term of this agreement the operation of the Creosoting Company's plant shall be temporarily suspended because of fire, explosion, strikes or other causes not withinits control, the time during which the operation of this plant shall be suspended shall not be counted as a part of the term of this agreement, and a corresponding additional time shall be given it for performing its obligations under this agreement; provided, however, in case of the total or partial destruction of the said plant by fire or other cause the Creosoting Company shall promptly repair, rebuild and restore the same to substantially the same condition in which it was before such total or partial destruction and pending such reconstruction and the Railway Company may remove its ties and other material from the seasoning yard.

XVIII. The Railway Company agrees to pay to the Creosoting Company for work performed and services rendered, as specified in this agreement, the following prices:

- A-2 For treatment of unseasoned cross ties taken direct from incoming railroad cars, per thousand feet board measure \$6.25

A-3	in seasoning yard, per thousand feet board measure	\$6.70
B-1	For the treatment of all seasones switch ties, per thousand feet board measure	\$8.00
B-2	For the treatment of unseasoned switch ties taken direct from incoming railroad cars, per thousand feet board measure	\$8.00
B-3	For the treatment of unseasoned switch ties taken from stock piles in seasoning yard, per thousand feet board measure	\$8.60
C-1	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges of 30,000 feet board measure or less (The Treating Company being given the option of treating such charges separately or mixed with commercial material) per thousand feet board measure	\$12.80
C-2	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges in excess of 30,000 feet board measure which require a time duration of not longer than twelve (12) actual treating hours, per thousand feet board measure	re. \$10.20
C-3	For the time in excess of twelve (12) actual treating hours required for treating material covered by paragraph C-2, per cylinder per hour or fraction thereof	\$5.10
D-1	For the treatment of all piling, poles and other similar material which requires a time duration not longer than twelve (12) actual treating hours, the Creosoting Company being given the option of treating quantities of less than a full cylinder charge either separately or combined with commercial material, per cubic foot	1 1. \$0.14
D-2	For time in excess of twelve (12) actual treating hours required for treating material covered by paragraph D-1, with the understanding that where material is treated in the same charge with commercial material the time over twelve actual hours will be pro-rated between the Railway and commercial material in the proportion that the volume of the material of each bears to the total volume in the charge, per cylinder per hour or fraction thereof.	al
D-3	The prices quoted in paragraphs D-1 and D-2 are predicated on the Railway Company having its own stocks of piling available for treatment. In the event the Railway Company does not have a stock of piling available for treatment the Creosoting Company is given the further option of furnishing treated piles that will meet the Railway Company's requirements, from its stock at its current commercial price, which shall not exceed the price that would have been paid if the piles had been treated in accordance with paragraphs D-1 and D-2.	
E-1	In cases where it is found, on account of unseasoned conditions of material, or other conditions not the responsibility of the Creosoting Company, an unsatisfactory treatment has been obtained and the Railway Company inspector considers it advisable to segregate and re-treat all or any portion of cylinder charge of piles, it shall be done at the following rate for each re-treatme in addition to the prices mentioned in paragraphs D-1 and D-2: (a) Two cents (\$.02) per cubic foot for poling, poles and other similar material retreated. It is understood that entire cylinder charges returned for continuation of treatment without segregation of any part of the material shall not be considered as coming under the provisions of this E-1.	ent
E-2	For storage of treated cross ties after treatment and subsequent loading on cars, in addition to prices A-1, A-2, A-3, per tie	\$0.01

XIX. It is understood and agreed that the prices quoted under Section XVIII, paragraphs A-1, A-2, A-3 and B-1, B-2, B-3 cover the unloading from railroad cars or barges, handling to the seasoning yard or to treating trams before treatment, moving them to boring, adzing and incising plant, boring, adzing and incising cross ties and incising switch ties only; moving to cylinders, treating them and loading them from trams to railroad cars; and further that prices quoted under paragraphs C-1, C-2, C-3 and D-1, D-2, D-3 cover unloading material from railroad cars or barges and rafts, handling to seasoning yard or to trams, moving to treating cylinders, treating and loading from trams on to railroad cars. The prices in Paragraphs A, B, C, and D apply to treatment to both air-seasoned and artificially seasoned material.

The "actual treating hours" are considered to be the actual normal time occupied while the ties or other materials are in the cylinders in the process of treatment as showy by the treating records. Delays caused by failure of the Creosoting Company's equipment, low steam pressure, etc., shall be deducted when computing overtime charges.

Where material of the Railway Company is treated in the same load with commercial material as provided for in Section XVIII, paragraphs C-1 and D-1, the Railway Company's stock of preservatives shall be charged with the calculated quantity required to treat its portion of the mixed load.

XX. The Creosoting Company agrees that, in case it, during the period of this agreement, makes contracts with other railroads directly or through their agents for the treatment of forest products at prices lower than those scheduled in this agreement, then such lower prices shall become immediately effective in this contract.

XXI. The Railway Company will, on or before the thirtieth day of each month, pay to the Creosoting Company all sums owing to it at the end of the next preceding calendar month, upon proper bills, certified by the Railway Company representative, rendered promptly by the Creosoting Company to the Railway Company.

XXII. This agreement shall be effective as of January 1st, 1937 and shall remain in force for a period of five years, and continue thereafter until cancelled by either party giving one year's written notice to the other party. The effective date of sancellation shall be as of December 31st following the year's notice. It is understood and agreed, however, that any forest products on hand for treatment at the termination date of this contract shall be carried to treatment completion under the provisions of this agreement.

XXIII. This agreement shall inure to the benefit of and be binding upon the parties herto, their respective successors and assigns.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be signed by its proper official and its corporate seal is hereto affixed and attested by its Secretary, in duplicate, the day and year first above written.

NORTH By _	ERN :	PACIFI	C RAILWAY	COMPANY
WEST By	COAS	T WOOD	PRESERVII	NG COMPANY

of the plant shall be adequate at all them to treat the yearly an alreadity

TENTATIVE DRAFT OF CONTRACT

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	CONTRACT Made this	day of		, A.D. 1936,	between
the	NORTHERN PACIFIC RAILWAY COM	PANY, a Wisconsi	n corporat	ion hereinaf	ter called
the	"Railway Company", and the	EST COAST WOOD P	PRESERVING	COMPANY, a _	
cor	poration hereinafter called t	he "Cressoting C	lompany."		

In consideration of the mutual dependent promises stated in this contract the parties agree:

I. The Creosoting Company shall store for seasoning and treat at its plant located in the city of Seattle, Washington, such forest products as may be offered by the Railway Company from time to time in accordance with specifications in Exhibit "A" attached and made part of this contract. The term "forest products" used herein is inclusive of cross ties and switch ties, timber, lumber, piling and polés.

II. The Creosoting Company agrees that its plant shall be maintained during the term of this agreement in such degree of working efficiency that the capacity of the plant shall be adequate at all times to treat the yearly requirements of the Railway Company.

III. The Railway Company will notify the Creosoting Company in writing prior to the first of October of each year of the approximate number of cross ties and other forest products which it desires to have stored for seasoning and subsequent treatment during the following calendar year.

IV. The Railway Company will furnish open cars, in so far as may be possible, for delivery of untreated material and for shipment of treated material. The Railway Company at its own cost and expense will do all required switching of its cars of forest products billed to and from the plant. The Creosoting Company agrees to make requests for only such switching as is reasonably necessary and such switching shall be done so far as is practicable at times most convenient to the Railway Company between the hours of 7:00 A.M. and 6:00 P.M.

V. The forest products to be furnished hereunder shall be delivered on cars at the plant of the Creosoting Company. The Creosoting Company shall promptly unload cars and stack the material in the storage yard of the plant for seasoning. The Railway Company in making deliveries to the Creosoting Company shall have regard to its capacity for receiving and stacking material. The Creosoting Company shall pay the Railway Company compensation for any delays in unloading

said cars in accordance with the Railway Company's published desurrage tariffs whenever eight (8) or less cars are delivered per day. Whenever more than eight (8) cars per day shall be delivered the expense incident to the detention of cars for unloading shall be assumed by the Railway Company. The Creosoting Company in will accept delivery of forest products on scows or/rafts alongside its plant alongside its plant under the same conditions as outlined for delivery on cars, except that the creosoting Company will not be required to pay the Railway Company for delays in unloading such scows or rafts.

VI. All cross ties will be properly segregated by grades on cars by the Railway Company to facilitate stacking for seasoning and subsequent treatment by grades. Switch ties, timber and piling delivered shall be sorted by the Creosoting Company, at its own expense, for its convenience in handling for treatment.

VII. All treated material shall be loaded and billed as directed by the Railway Company. Cross ties will be loaded by grades and rail borings. Switch ties will be loaded by lengths.

The Railway Company shall furnish promptly all cars required to ship out treated material. The Creosoting Company agrees to give the Railway Company at least five days' notice as to the time such cars are required.

VIII. The Creosoting Company shall provide fire protection for seasoning and storage yard satisfactory to the Railway Company.

The forest products shall remain the property of the Railway Company and be insured by it against loss by fire.

IX. The Creosoting Company agrees to count and tally material received in each car as soon as possible after receipt of car at its plant, either before or immediately after unloading, against invoice or inspection reports furnished by the Railway Company and to mail reports of such tally to the Railway Company representative immediately after each invoice or inspection report has been tallied, and if any discrepancy occurs to tally a second time to verify the first count.

The Creosoting Company agrees that, as far as practicable, it shall have painted on each stack the initial, number and out turn of each car from which material is unloaded, and the date of unloading.

The Creoseting Company agrees to return to the Railway Company the identical material shipped to it by the Railway Company after said material has been treated, and in case there should be any shortage whatever, the Creoseting

Company agrees to pay the Railway Company therefor at the market price at Seattle, Washington, of like material at the time the shortage is discovered; provided, however, that the Creosoting Company shall not be responsible for shortage resulting from fire or causes which are clearly beyond its control. Joint inventories of all forest products shall be taken at least every six months and discrepancies found adjusted at that time.

The Creosoting Company agrees to furnish reports of all material delivered, shipped, used and on hand at regularly stated intervals as may be required by the Store Department or the Insurance Department of the Railway Company.

X. The Railway Company will furnish all crossote and petroleum oil required to treat its material under this agreement f.o.b. cars or in vessels at the plant. The Crossoting Company agrees to unload and furnish the storage for crossote and oil. Should the Railway Company elect to permit the Crossoting Company to purchase crossote and oil for it, the prices to be paid and the quantities to be purchased for its account must be approved by the Railway Company and the material must conform to the current specifications of the Railway Company to be kept on file with the Crossoting Company. The Railway Company shall carry the insurance and pay the taxes on crossote and oil stored for it by the Crossoting Company, and agrees to pay promptly all invoices covering crossote and oil purchased with its authority for its account.

XI. The Creosoting Company agrees to provide storage tanks of suitable capacity to store the preservatives required for treating the material of the Railway Company, together with working tanks and proper gauges to insure accurate and satisfactory measurements of creosote and oil used in the treatment of the different classes of material for the Railway Company.

The Creosoting Company may, with the written consent of the Railway Company first had and obtained use the preservatives belonging to the Railway Company for the purpose of treating forest products for other concerns in the same plant, and the Creosoting Company shall thereupon promptly replace preservatives so used with other preservatives meeting the specific tions of the Railway Company and shall permit no delays in the treatment of Railway Company material to result from such use. In case the Creosoting Company shall be permitted such use of Railway Company preservatives, then joint inventories of preservatives shall be made at the end of each month or at any other appropriate time for the purpose of

adjusting surplus or deficits. Any surplus or deficit must be pro-rated on the relative final retention of preservatives for the different classes of material treated for the parties concerned.

RII. The Railway Company desires to have its cross ties treated during the period from August 1st to December 31st of each year. The Creosoting Company agrees to use reasonable efforts with due regard to the business offered by other customers and the treating capacity of its plant to treat the yearly requirements in this interval if sufficiently properly seasoned ties are available. If for any reason the Creosoting Company at any time cannot with reasonable effort carry out the aforementioned preferential arrangement, the Railway Company agrees to have delivered green ties in advance of requirements so that sufficient seasoned ties will be available for treatment at approximately uniform monthly rates for the yearly requirements.

XIII. The Creosoting Company agrees to store treated ties in its storage yard up to the convenient capacity for temporary storage at the request of the Railway Company. The storage and extra handling involved in loading into cars shall be compensated for at a price scheduled in this agreement.

XIV. The Greosoting Company agrees that upon the written request of the Railway Company to do so, it will accept any modification, changes or substitutions in the specifications in Exhibit "A" hereinbefore mentioned, provided such modifications, changes or substitutions will not require the purchase of any additional equipment, or increase the cost to the Creosoting Company or lessen the plant capacity.

The Railway Company agrees that in the event a change of process is made, at its request, it will pay the Creosoting Company any royalty the Creosoting Company may be required to pay in consequence thereof and will also protect the Creosoting Company against all claims pertaining thereto.

XV. The Railway Company, through its designated representatives or agents, shall have access at all reasonable times to the plant and premises of the Cree-soting Company and the right to inspect all operations therein, and shall be furnished all necessary and proper facilities for testing the preservatives employed and the amount absorbed by each charge of ties and other material treated for the Railway Company.

The Creosoting Company shall furnish records on forms furnished by the Railway Company of all treating operations to correspond to that which the Railway Company keeps at its own treating plants.

-4-

XVI. In case of any dispute or difference arising as to the interpretation of any sections herebefore set out, the said dispute and causes of differences shall be referred to arbitration and determination of a single arbitrator, if the parties hereto agree upon one; otherwise to three arbitrators - one to be appointed by each of the parties hereto and the third arbitrator to be nominated and appointed by the first named arbitrators. Should the first named arbitrators fail to agree upon the third arbitrator, then such selection shall be left to a Judge of the United States District Court for the District of the State of Washington. The decision of the single arbitrator or a majority of the three arbitrators shall be final and binding upon the parties. Pending the award of arbitration, there shall be no interruption in the transaction of business pursuant to this agreement and statements and payments in respect thereto shall be made in the same manner as prior to arising of such differences.

Each party shall pay for services of and all personal expenses incurred by arbitrator chosen by or for it and both parties shall jointly and equally pay for the services and expenses of the single or third arbitrator, together with all other and different expenses of the arbitration.

Crecsoting Company's plant shall be temporarily suspended because of fire, explosion, strikes or other causes not withinits control, the time during which the operation of this plant shall be suspended shall not be counted as a part of the term of this agreement, and a corresponding additional time shall be given it for performing its obligations under this agreement; provided, however, in case of the total or partial destruction of the said plant by fire or other cause the Crecsoting Company shall promptly repair, rebuild and restore the same to substantially the same condition in which it was before such total or partial destruction and pending such reconstruction as the Railway Company may remove its ties and other material from the seasoning yard.

XVIII. The Railway Company agrees to pay to the Creosoting Company for work performed and services rendered, as specified in this agreement, the following prices:

A-2 For treatment of unseasoned cross ties taken direct from incoming railroad cars, per thousand feet board measure \$6.25

A-3	For treatment of unseasoned cross ties taken from stock piles in seasoning yard, per thousand feet board measure	6.70
B-1	For the treatment of all seasones switch ties, per thousand feet board measure	3.00
B-2	For the treatment of unseasoned switch ties taken direct from incoming railroad cars, per thousand feet board measure	3.00
B-3	For the treatment of unseasoned switch ties taken from stock piles in seasoning yard, per thousand feet board measure	3.60
C-1	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges of 30,000 feet board measure or less (The Treating Company being given the option of treating such charges separately or mixed with commercial material) per thousand feet board measure	12.80
C-2	For the treatment of all sawed material other than cross ties and switch ties in cylinder charges in excess of 30,000 feet board measure which require a time duration of not longer than twelve (12) actual treating hours, per thousand feet board measure	. \$10.20
C-3	For the time in excess of twelve (12) actual treating hours required for treating material covered by paragraph C-2, per cylinder per hour or fraction thereof	5.10
D-1	For the treatment of all piling, poles and other similar material which requires a time duration not longer than twelve (12) actual treating hours, the Creosoting Company being given the option of treating quantities of less than a full cylinder charge either separately or combined with commercial material, per cubic foot	\$0.14
D-2	For time in excess of twelve (12) actual treating hours required for treating material covered by paragraph D-1, with the understanding that where material is treated in the same charge with commercial material the time over twelve actual hours will be pro-rated between the Railway and commercial material in the proportion that the volume of the material of each bears to the total volume in the charge, per cylinder per hour or fraction thereof.	\$5.10
D-3	The prices quoted in paragraphs D-1 and D-2 are predicated on the Railway Company having its own stocks of piling available for treatment. In the event the Railway Company does not have a stock of piling available for treatment the Creosoting Company is given the further option of furnishing treated piles that will meet the Railway Company's requirements, from its stock at its current commercial price, which shall not exceed the price that would have been paid if the piles had been treated in accordance with paragraphs D-1 and D-2.	
B-1	In cases where it is found, on account of unseasoned conditions of material, or other conditions not the responsibility of the Greosoting Company, an unsatisfactory treatment has been obtained and the Railway Company inspector considers it advisable to segregate and re-treat all or any portion of cylinder charge of piles, it shall be done at the following rate for each re-treatmen in addition to the prices mentioned in paragraphs D-1 and D-2: (a) Two cents (\$.020 per cubic foot for poling, poles and other similar material retreated. It is understood that entire cylinder charges returned for continuation of treatment without segregation of any part of the material shall not be considered as coming under the provisions of this E-1.	
E-2	For storage of treated cross ties after treatment and subsequent loading on cars, in addition to prices A-1, A-2, A-3, per tie	\$0.01

E-Z. For unloading treated switch ties from trans, storing in yards, stacking lengths separately and reloading in accordance with Railway Company's instructions for shipment, per thousand feet

For incising sawed material other than cross ties and switch ties including all handling not included under paragraphs C-1, C-2, C-3 necessary to accomplish it, per thousand feet board

For other handling at the plant site, framing of timber, etc., as from time to time may be requested in writing by the Railway E-5 Company, shall be paid for at rates mutually agreed upon, plusmeten (10) per cent to cover supervision and profit.

XIX. It is understood and agreed that the prices quoted under Section XVIII, paragraphs A-1, A-2, A-3 and B-1, B-2, B-3 cover the unloading from railroad cars or barges, handling to the seasoning yard or to treating trans before treatment, moving them to boring, edzing and incising plant, boring, adzing and incising cross ties and incising switch ties only; moving to cylinders, treating them and loading them from trams to railroad cars; and further that prices quoted under paragraphs C-1, C-2, C-3 and D-1, D-2, D-3 cover unloading material from railroad cars or barges and rafts, handling to seasoning yard or to trams, moving to treating cylinders, treating and loading from trams on to railroad cars. The prices in Paragraphs A, B, C, and D apply to treatment to both air-seasoned and artifically seasoned material.

The "actual treating hours" are considered to be the actual normal time occupied while the ties or other materials are in the cylinders in the process of treatment as showy by the treating records. Delays caused by failure of the Crecsoting Company's equipment, low steam pressure, etc., shall be deducted when computing overtime charges.

Where material of the Railway Company is treated in the same load with commercial material as provided for in Section XVIII, paragraphs C-1 and D-1, the Railway Company's stock of preservatives shall be charged with the calculated quantity required to treat its portion of the mixed load.

XX. The Creosoting Company agrees that, in case it, during the period of this agreement, makes contracts with other railroads directly or through their agents for the treatment of forest products at prices lower than those scheduled in this agreement, then such lower prices shall become immediately effective in this contract.

XXI. The Railway Company will, on or before the thirtieth day of each month, pay to the Creosoting Company all sums owing to it at the end of the next preceding calendar month, upon proper bills, certified by the Railway Company representative, rendered promptly by the Creosoting Company to the Railway Company.

XXII. This agreement shall be effective as of January 1st, 1937 and shall remain in force for a period of five years, and continue thereafter until cancelled by either party giving one year's written notice to the other party. The effective date of cancellation shall be as of December 31st following the year's notice. It is understood and agreed, however, that any forest products on hand for treatment at the termination date of this contract shall be carried to treatment completion under the provisions of this agreement.

XXIII. This agreement shall inure to the benefit of and be binding upon the parties herto, their respective successors and assigns.

IN WITNESS WHEREOF, each party hereto has caused this instrument to be signed by its proper official and its corporate seal is hereto affixed and attested by its Secretary, in duplicate, the day and year first above written.

NORTH By	HERN P	CIFIC	RAXLWAY COMPANY		
WEST By	COAST	WOOD	PRESERVIN	G COMPANY	

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Derwell)	no.	yray !	4	Surter	01	Pelun	01	Total
Year	Ties	Ties	0	Tus / Mal.	10	Timber /	16	Total
1938		5.8899278				450,000	1%	
1939		6.118.0518	THE REAL PROPERTY.	500,000	7	450,000	6%	
19.40		6,386,6898				454000	6	7276689
1941		6735.489 8					6	
1942		7.076,648.8			The same of the	450,000	6	8,076,648
1943		7.594,714 8				450,000	- PERMIT	8.544.714
1944		8.175.307-9	Marie Control				5	9.175,307
1945	238310	8,896,112 9	10	500,000	5	454,000	5	9.846,117
1946	254283	9492384.9	71	500,000	5	450,000		10,447,284
1947	273800	10.200 9849	7	500 000	4	450,000	4	11.170,954
7	,049,994	76586275,8	9 0	5,000,000	6.	4500,000	5	86.076,275

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Mr. L. Yager:

As requested by you at Seattle, I am sending detailed sheets showing general pharacteristics and treating conditions of the treatment of charges of lumber and piling at the Seattle Plant during the past ten years. I have separated the work by years and have given all important details on each charge treated.

I have made no attempt to make these totals agree with the actual amounts treated during the years as shown on Brainerd Office Records. These figures were taken directly off of the plant records of treatment for the various charges and should show all necessary details of the contract operations.

As explained to you at Seattle, the total treating time in the case of piling retreated appears unnecessarily large in this report. Piles are never retreated in the original charges, the retreat charges being made up of piles from numerous different charges, so that to my mind it is not proper to add the total time of a retreat charge to the time of the original charge. In this report, where retreatment is shown, the total time is made up by adding the time of the original charge plus the time of the retreatments, and often results in more than ,100 treating hours as shown.

During the ten years, there were 29 charges of piles containing 2500 cubic feet out of a total of 179 charges, or 16%. Of the lumber treated, there were 30 charges of 30,000 FBM or mote treated out of a total of 213 charges, or 14%.

With reference to the capacity of the retorts, which are 8' by 132' in dimension; the net volume of the retorts were found to be approximately 50,000 gallons by displacement, after deducting the volume of an average of 15 tram cars, which is equal to 6684 cubic feet,

A. Capacity for treatment of cross ties and switch ties

This is approximately 51,000 FBM or 4250 cubic feet. This is a very common load both in the treatment of cross ties and switch ties.

B. Capacity for treatment of Lumber

The possible capacity would vary from the maximum of about 51,000 FBM downward to a very low figure and is affected by both the size of the sticks and the variety of sizes. The variety of sizes in any one charge is most often the cause of low volumes. If the retort were loaded with 12 x 12s all 12 ' long, there would be

eleven lengths of them in the retort and the maximum load would be close to 3036 cubic feet. However, we do not get a load as ideal as

this very often.

. Only 14% of all lumber loads treated during the past ten years were 2500 cubic feet in size or larger.

. C. Capacity for treatment of piling.

The capacity for treatment of piling varies with both the length of the sticks and the diameter of the ends. Long sticks of piling must be lapped in the retort and this cuts down the sixe of the charge considerably. The diameters of the ends of the longer piling are smaller than the piles of shorter length.

Assuming the retort to be loaded with 26' piles to capacity, there would be 5 lengths of them with about 21 piles per load length or 105 piles in the charge. The dimensions of the avarage pile would be about 15/1/2" x 11" and the volume would be 2540 cubic feet.

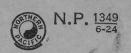
If the retort were loaded with 75° piles, the maximum load would be 28 piles, with a total of 2100 lineal feet or 1827 cubic feet. The average timensions of these piles would be about $15-1/2 \times 9-1/2$ The piles would be lapped in the middle of the retort, thus taking up a great deal of space.

There were only 16% of the loads treated during the past ten years with an areas that showed a voulume of 2500 cubic feet or more and most of these large loads were during the first few years of the contract.

I would say that the average load of piles treated at the Seattle plant would be made up of long piles and the load of 75' piles shown above would be a good average.

GR Hondanis Asst. Gen. Supt. Tim. Pres.

CC AJL



ESTIMATED CROSS TIE RENEWALS FOR TACODIA DIVISION

	REMEWALS	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	TOTALS	
1908	237	12	1 1/2	5	2	2	2					30	-31
1909													
1910	- 5623	337	11 337	281	169	1/2	56	56	56			1404	
1911	1128	79	68	68	56	1 34	33	1				1139/	
19/3	40281	2,820	802	802	2417	2014	578	806	229	100	1/15	5 9 70	
19 14	6,936	486	595	481	4481	4/6	1121	24/7	208		11/3	3 608	
19 15	20.054	1,494	1.404	1604	1404	1404	1/208	1208	1/008	662	1201	1/1 4/32	
	00,00												9 9 3
19 16	11,900	833	833	833	952	833	833	714	714	595	357	7 497	8 8 5
19 17	5,018	301	351	351	351	401	351	351	30/	301	251	3310	1 4 6
19 18	135,536	8.012	8012	9348	9348	9348	14483	9848	9348	8012	8012	89 471	2 32 8
19 19	10,125	506	608	608	709	709	79	1819	209	709	608	6685	
19 20	8,606	344	430	514	374	402	602	602	688	602	602	15594	6 8 8 1
10	h- h-												a a w
1921	73.397	2,202	2.936	7670	4.404	4404	3 /38	5 138	9 /38	5872	9 155	14 040	8 8 8
19 23	5,708	562	1/487	1180	9 3 (6	128/	1 572	700	700	8000	300	37/36	4 6 0
19 24	14,081	141	1,000.	422	4/22	100	1904	1845	845	986	957	6055	1 10
19 25	350,125	1251	13501	3501	16.564	10504	14 005	14/506	2/008	2/008	21/500	127 797	1 2 9 1
	7,70												4 4 25
1926	275,423	1877	1377	2754	2754	8263	8863	11017	13 77/	16 525	16 535	82426	
1927	287. 252	1436	1436	1436	2873	2873	8418	8618	11 490	14 363	17 335	70 378	2 6 3
1938	464, 942	0	2325	2 325	2325	4649	4649 1	13948	13 948	18598	23247	86 914	8 3 9
1929	409.690	0	0	2048	2048	2048	4007	4097	12 291	12291	16388	55308	0 8 2
1930	276.028	0			1380	1380	1280	2760	8740	8281	8281	26/22	
1931	216, 133	0	10	0	110	4,08/	495/	1,08/	01/4/	2,/6/	484	14049	
1937	209 506	0	0	. 0		9	41475	11978	487	2,095	095	354	
19 34	233 441	0					0	178/	1 107	1/8/	1 1 1 5	350/	
19.35	110,768	0		0						554	354	111188	912 - 1111
19 36	723,038	0	0	10	0	0	0	1-0			1.115	11/18	
19 37	155.865	0.	0	1.0	0		0	0			780	780	
1938	157,780	0	0	0		0		1 6		0	6-		N S S S S S S S S S S S S S S S S S S S
TOTALS	3,873,775	23 690	27801	35 8 70	46341	33 H80	49 258	84911	104/20 1	40213	40490	799694	22
Untreal	ted Renewals	134090	134091	134091	134/09/	134091 1	34/09/	134071	134091	134 091	34.091	1,340,909	71
Grand	Totals	157780	163892	169,481	180,482	189571 3	03,349	219002 0	238211 8	254304 8	174581	2080,403	
	TOTAL TIE	F5 127 P	ASTRICT KA	年57 0月	TAKLAY		4	1984, 639	HA KEPOT	07 (936)			
	TREATED 7	(ES S) (P)	74D 7/257	9F F4L	17 77 S 15 4 1/35	3	494 594	500 190					
	ADDITIONAL BALANCE A	THE P	10 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7/140			133036 3	540,136		(2)	FIFE	Ban Jak	Ph Maria
	CHANTINGE A	100000 D	- 14 - 45 1 A	#11/1				7 7 3 2 9		9-	P-36	777716	MARIANI

PECORD OF PILING TREATED AT SEATTLE DURING PERIOD OF C.M. COLMAN CONTRACT

YEAR- 1927 MIXTURE OR ST. CREOSOTE CONDITION KIND OF PHARGE PEMARKS DATE 1423 277 1330 1241 1333 1288 1323 1479 1324 CAMBUNED SEPARATELY 1602
1495
1361 5 5 95 95 4-8 2544 2474 267/ 2500 2365 24// 22/5 SEPT, 104-26 114-26 2-20 7-50 8-50 G G G G P5 P5 P5 -2624 1507 1526 1557 1392 1483 2361 2361 2399

YEAR- 1927 CONTI	CONDITION		MIXTURE OF		Tai Tai		702472 2			
DATE CHARGE	SEASONED LIN. A	T. CU. FT.	TREATMENT	ABSORPTION DENZ LBS. PERCU.FT. IN	INCHES TRE	TOTAL	SEPARATELY CONSINED CO	DR PACT	PENARKS	
SEPT. 23 1927 90	5 1501	1346	CHEOSOVE			2/		BATRACT		
27 . 73-10	0 5 1466	1 1 1 1 1 1	1	16		107	1	"	3 RETREATER	ENTS
0c7, 25 91-11		13/6		16		1 47		1 1/1	1 1 1	
25 95-1/2	6 95 1370	1339	11	16		7/			2 "	
25 101-12		1/68		/6		48	1		/ 7 -	
DEC. 22 82	5 2755	2343		14,88	15	33	SEPHENTELY			
TOTALS FOR 1927	11207	92 771								
	702007	100000								
SUMMARY										
TOTAL NUMBER OF CHARGES		93.87						-		
AVERAGE NUMBER CU. FT. MEX	CHARGE	1805								
NUMBER OF CHARGES WITH 250	DO CULTI OR MORE									
									, , , , ,	

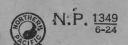
	NOITION ASONED LY SEASMED 1 FT 0, FT	MIXTURE OR GREOSOTE KIND OF ABSORPTION PENETRATION	TATAL TREATED CONTROCT	
DATE CHARGE PARTS MAY 3-1928 81-8 28 12-39	S 2905 2204 G 2445 2222	TREATMENT LBS. PER CU.FT. IN INCHES TO	TOTAL STREATED CONTRACT REMARKS TREATING HIS. OR COMBINED CONTRACT REMARKS 42 SERREATELY CONTRACT I RETREATMENTS	
JUNE 4 113-12 22 85	5 1459 1219	1 16 1	3/ " / / / / / / / / / / / / / / / / / /	
AUG, 15 25-4/7 15 26-4/7 21 34-65	5 3238 2923 5 2414 2111 G 2343 2372	1 16 1	47 SERGESTEZY 11 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 11 1 2 1	
2/ 42-45 2/ 52-65 2/ 56-65	G 253/ 2744 G 2100 23/4	16.3		
SEPT. 7 1/1	5 2488 2728 5 27/2 2729	1 1/6 1	24 11 11	
2/ 2/-65	5 2792 2904 5 2723 2765		1 46 " / RETREATMENT / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	
2/ 32-65 2/ 41-65	5 29/4 3/35 5 29/4 3042 5 29/59 29/53	16.	24 " " ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	
2/ 57-65 2/ 58-65 2/ 57-65	5 2940 3059 5 2792 2514 5 3116 3017	16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34 11 11 11 11 11 11 11 11 11 11 11 11 11	
0c7, 18 66-89 18 69-89 18 70-89	S 2709 2729 S 3178 2982 S 2508 2341		33	,
10v. 30 50-54 DEC. 15 GI	5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24 COMPINED " / MANGAKA 26 SEPARATELY " / " / MANGAKA	20A65. RGT. GAS)
15 66	5 /333 //50			
TOTALS FOR 1928 28 SUMMARY	66323 64833			
TOTAL NUMBER OF CHARGES TOTAL CU. FT. TREATED AVERAGE NUMBER CN. AT. DE CHARGE	28 64733 23/5			
MUMBER OF CHARGES WITH 2500 CW. AT. O	16 /6			
				BRH

YEARS- 1929- 1930		
CONDITIONS	MIXTURE OR CREOSOTE TREATED	
DATE CHARGE PARTY SCASSINED LIN.	KIND OF ABSORDTION PENETRATION TOTAL SEPARATELY CONTRACT D	
	LOS FERCULFILING HAS. COMBINED CONCL. SEGLE	
FEBY: 11-1929 22-29 5 300	5 2730 GREDSOTE 22.91 / 31 SPERRATELY CANTEROT / PETROSTALENT	
MAR. 21 85-95 5 685 APR, 27 39-80 5 3039		
APR, 27 39-80 5 3035	7 2506 1 17 8 1 24 1 1 1 1 1 1 1 1 1	
MAY 29 45-80 5 1535		
JUNE 26 13-22 G 3176		
27 17-22 6 2014		
27 18-68 1 6 1663		
· JULY 10 4-5 5 915	5 703 11 16 1 23 11 11 11 11	
SEPT. 7 20-36-46 5 1732	2 1779 1 16 1 1 29 1 1 2 1 1 1 2 1 1 1 1 2 1 1 1 1	
17 4 90	0 83 1 1 14,15 1,25 16 Congres 11	
OCT. 16 54-040 PS 335	DI TOU IN	
Nov. 26 E-P 5	Comanico 11 / Retrient	
TOTALS FOR-1929 13 2/239	7 19425	
SUMMARY		
TOTAL NUMBER OF CHARGES		
TOTAL CU.FT. TREATED	19425	
AVERAGE NUMBER CX. FT DER CHARGE		
WIMBER OF CHARGES WITH 2500 CHET OR NORE		
1930		
FEB. 12-1930 N7-35 5 2933	3 2736 CR+0507E 16 1 39 SECRET S CONTRACT / PETROTICAL	
12 18-35 5 2760	9 2589 4 M S	
19 50-62 95 355	5 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
MAY 27 35-8 5 784	728 728 728	18 572.65
JULY 26 470-484 5 350	0 303 1 1 16 1 24 GARNED 1 1 BEDERT SUT	
AUG. 30 11-82-568 5 896	5 709 11 16 095 24 524047244 11 11 11	
TOTALS FOR 1930 8078		
SUMMARY III		
TOTAL NIMBER OF CHARGES		
TOTAL NIMBER OF CU. FT TREATED	7372	
AVERAGE NUMBER CU. AT, REP CAMPGE	/230	
NIMBER OF CHARGES WITH 2500 CU. FX. DE KNEE		
		111 1441

	72000	1121116 1 127120	
VEARS 1931-1932			
Co	NOITION	MIXTURE OR CREOSOTE	TREATED
DATE CHARGE FAR	SONED LIN. FT. CU. FT.	KIND OF ABSORPTION PENETRATION TOTA. TREATMENT LOS. PAR. CU.FT. IN INCHES TREATING	L SEPARATELY CONTRACT REMARKS
	OKEEN LIMIT CO.F.		
	5 420 500	CYEOSOTE 16 1 2 2	2 Congress Carrest / PETRATION
JUNE 17 158-167A	5 2299 2259	Maxine 10,5 1 23	3 Standartely // // //
17 167-6	5 1609 1549	1 1 1 1 1 2 1 1 2 1	
AUG. 10 508	5 1/9 97	CRED507E 16 112	2 Buggues 1
28. 163 "0"	5 2/50 2/67	1 1/6 1,5 22	2 Stateptery "
SEPT. 4 1974-5714	5 2090 /689	1 1 1 1 1 2 2 2 2 2 2	9 11 11 1 1 PETREATMENTS
10 576-579	5 790 698	1 1 1 1 1 1 1 2 9	P Cananas III III
22 //22	P5 2430 2236		1
23 1/73	PS 2340 2244		
23 //77 -	AS 1990 1899	1 1/6 1 1 57	
25 175	PS 2250 2250	1 1 1 1 5 8	
25 179	G 2250 2/57	- 1 1 6 1 1 64	
25 1004	790 1999		
TOTALS FOR - 1931 15	24737 2232		
SUMMARY			
	15		
TOTAL CU.FT. TUE ATED	23307		
AVERAGE NUMBER CU FT. REZ CHARGE NUMBER OF CHARGES WITH 2500 CN. FX			
TRIVIOLIC OF CHARGES WINA 25 OF CA. AN	OR MORE		
1932			
MARCH 5-1932 1176-129	5 224/ 2/28	19 1 1 34	SAMPLEY SONTAGET / RETRESTINENT
26 /36	5 400 395	CRE05075 16 11 17	Consus o 1
29 /25-142	6 670 670	1 1 1 1 6 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
AUG, 12 383			DEPARATELY III
12 3844	5 300 275		Comanies III
SEPT. 27 215	5 2360 2636	MXXXXX 16.8 1 26	SEPARARELY "
28 216	5 445 435	1 1 16 1 24	Canguso 11 11 11
TOTALS FOR 1932 8	1 1 1997		
· SUMMARY			
TOTAL NUMBER OF CHARGES			
TOTAL CU.FT. TREATER	7997		
AVERAGE NUMBER CLI. FT. RES CHANCE	1000		
MIMBER OF CHARGES WITH 2500 CU. AT. OR	Mex. IIII		
			

YEARS 1933-1934				
	CONDITION	MINTURE OR CREOSOTE	TREATED	
DATE CHARGE PAR	CREEN LIN. FT. CU. F	T. TREATMENT OF ABSORPTION PE	PENETRATION TOTAL SEPARATELY CONTRACT PEMARKS	
	GAZZA IIII	TREALMENT 165. PERCULFT, IN		
FEBY. 2-1933 55-X	5 77 376	1 C/240507E / / 6	0.5 34 Consuso Cantract / Petrostment	
MARCH 7 75-77 16 184-176	5 988 943		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
JUNE 6 242-244	5 1495 1295	CHEASURE V6		
AUG. 23 133	5 1/1/0 7/1/	14 39		
DCT. 4 151	5 1080 861			
. Nov. 28 630-633	5 1150 941	CATOSOTE 16	22 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
28 631-633	5 1000 8/2	1 1/1 1/6		
DEC. 5 -643-646	5 440 429	() () () ()		
TOTALS FOR- 1933. 9	17635 16073			
SUMMARY .				
TOTAL NUMBER OF CHARGES				
TOTAL CU.FT. TREATED	16073			
AVERAGE NUMBER CU. XT. REA CHARGE	1786			
NUMBER OF CHARGES WITH 2500 CU. A	TOR MARE DO			
1934				
MAY 2-1934 260	P5 1454 1317	CREASORE 16	SERRATES Y CONST. SEE 2 SETTEMENTS	
3 26/	15 1437 1257			
3 263 4 266	05 1421 122			
5 273	PS 224 276			
5 256	PS 1360 1/90		Seenenzey 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3 257	05 142/ 1243	16	39 11 2 11 11	
5. 258	25 1366 1299	1 1/6	39 1 1 2 1 1	
12 298	5 584 55/	11 16	19 Consusp 19	
JULY 2 202 "p"	5 70 642	16	1 29 SERMENTELY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
17 1/243	1290 1484	1947XARE 194V	1 1 25 1 1 Cantragor 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
AUG. 10 494	PS 961 972	CPE DISTORE 16	Conce Sace 2 Patrada Tayrents	
10 496	937 1/93	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
13 502	1 277 1 29			
SEPT, 21 320	3 1744 1125			
TOTALS FOR 1934 16	19055 17332			
SUMMARY				
TOTAL NUMBER OF CHARGES				
TOTAL CU. FT. TRAATED	17332			
AVERAGE NUMBER CU. AT. ASK CHARGE				
MIMBER CHARGES WITH 2500 CLY. ZTOR	MARE			
				5/

1										,			
YEAR	25 1935-193	36				Manuar							
			CONDITION			MINTURE OR CREOSOTE				TREATED			
	DATE	CHARGE	PARTLY SEASONED	LIN. FT.	CU. FT.	KIND OF	BSORPTION!	PENETRATION	TOTAL	COMAINED COM	TRACT PEMARKS		
			- GREEN					IN INCHES IN	(EATING 1710.				
	FEBY. 2-1935	66		370	1 507	CARDSONE !	11/6		20	SERGENTELY COM	K SAKE !!!		
	APRIL 5			700	699	CREOSOTE	/2	0.75	17				
	9	236		1200	1048	4/X050XE	12	0.75	de de		(KETPENTINESO)		
	9	229		260			12	1 2 7 2	1.4				
	AUG. 4	178	5	816	443			1 19.7	100	CAMBINED			
	7	I lad	S	1595	1500	1 1	11/0		1 20	SEPPORELY			
	Oct. 5	120	TI G		1990	MATURE	11/4	1 875	100	J 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	" 2 8 7 8 7 7 7 7 7 7 7	+4	
	3-	/2/	PS		1472	111111111111111111111111111111111111111	14	6.875	64		11 11 11 11		
	5	122	5		1425	11	1/4	0.875	66	7-1 // - 1	1 2 11		
	10	123	5	9	1949	11	14	0.875	29	1.	1 2 1		
	10	124	6	7	2/35	1 1	14	0.875	93	11-11-11-11-11-11-11-11-11-11-11-11-11-	1 2 1		
	10	1/25	1 6	\$22740	1918		14	0.875	/3/	1 7 -	" 2 " "		
	19	128	6	3	1847	1/1	14	0.875	1/3-		11 1 1 1 1 1 1 1		
	19	1/29	16	RILLI	1916	2	14	0.875	100		7 / 7 .		
	19	130	1 6 1	2	1586	/ /	114	4.875	103		// / / /		
	22	1 /3/		7	1804		111/4	0.875	1/2		// 2 //		
	22	194	8	1	18 42		11/4	0.875			2 1		
	DEC. 19	135	5	29921	370	CKE0507E	/2	4.73					
	TOTALS FOR-1935			4774	26233								
	TOTAL NUMBER OF CHARG												
	TOTAL CU.FT. TREAT	50			2/2/4								
	AVERAGE NUMBER CU. XT	DED PLANT			1382								
	MIMBER OF CHARGES W	(174250 A C)	Trop More		MA								
	0.000	1 200000	1 / 4/2										
	1936												
	FEBY. 21-1936	175	5	453	438	CREOSOTE	1/6		20	SERVERTELY COM	USALE		
	22	178	5	1065	1143	"	16		19	- 4	7		
	23	183	5.	1/27	1096	1/1	1/6		19	7	4		
	APRIL 22	230	P5	2982	1749	MATTHE	14	0.75	78		" 2 PERREATMEN	175	
	22	234	6	20/0	1688		14	6.75	98	7	1 2 1/4		
	22	235	1 9 1	2234	2140	1	114	6.73	99		" 2 11		
	22	237	G	1994	1874		11/4	6.73	198	7	7 2 7		
The state of the s	May 1	238	195	2080	15		11/4	0175	75		1 2 1		
	1	237	1 6	2040	17/4		11//	6.73	199	1 1			
-	APRIL 27	240	1 45	1393	1999	CARROTE	11/6		98		W 6 P		
	MAY	203	0	2/64	1959	MATTE	1 1/4	0,73			1 SETREATIVE	WIS	F H
		1200	05	2076	1800		14	1 75	79				
	TOTALS FOR-1936	12/		2700	1021								
	TOTALS FOR-1936 SWAMAGARY TOTAL NUMBER OF CHAR	200		25070	206//								
	TOTAL CU. FT. TREA				20677					The state of the s		2 6	Pres I
	AVERAGE NUMBER CU. XT				1591					1 . 47	1 Bandy Gran	2 4 1	
THE RESERVE AND PERSONS ASSESSMENT	NIMBER OF-CHARGES WITH		as Mass								1		423/
	MINDER OF CHANGES WANT	745 E E E E E E E E E E E E E E E E E E E	9944995										511-51



PECORD OF LUMBER TREATED AT SEATELE

DURING PERIOD OF J.M. COLMAN CONTRACT

YEAR 1927

BY YEARS 1927- 1936

- Y	/EAR 1927				134 7	PARS	1927- 1	936					
			CONDITION				起身随着 了多数						
	DATE	LHARGE	SOOSONED Partly Sousoned GREEN	FBM	KIND OF	LBS per CU.FT	PENETRATION IN.	TOTAL HOUSE	CONTRACT	SEPARATELY .	REMARKS		
-						DJS PET CU.PT							
1927	294. 1	45	11911-	1993	Creasore	1/8.0	0.50	24	Contrac	t Separately			
	4	11114	6	21 990		11/20	0.50	24	11111				
	26	111111111111111111111111111111111111111	6	1 892		11/20	. 9,75	11124					
	FEB. 9	111118		209/3		11/60	0.50	24	1//	Combined			
	16	11122	6	19699	111111	129	9.75	124	.	Separately			
	/2	1125	6	11508		14,0	0,50	124	11/1/				
	16	1114	16	971		12.0,	9.75	23	1 1 4	111111111111111111111111111111111111111			
	15	6	6	1889		12.0	10125	1-48			2 Retreaments		
	Mar. 19	32-54	6	13 72/	111111111111111111111111111111111111111	11/49	9.25	52	1 4	1/	2 Retreatments - 4	rigina/= 29	Ket = R3
	29	1 79		11587		10,0	1 9.75	1 24					
	29			\$37		14,6	0,50	23	1 1	W W			
	April 6	1111	11911	19 800	11	139	0,25	36	1	N N	Ketrantment		
	16	35	6	16 920	4	12.0	0.25	34	1	1 41	1 11 9713	100/ 32 K	ctreat of
	18	146	. 9	1000		120	19175	28	1	*			
	May 7	11/17	1 5 1	19 665	1	120	075	28	11 3	1			
	17	1147	9	9752	1 1/1	120	1975	24		4			
	30	I I I		1534	1 1	160	0.50	24	4	4			
7	. 21	68	3	19757	1 1	11/4/9	0 75	1119	14				
	24	163	6	13 410	1//	143.9	9 75	1 22	11/1				
	July 8			17 962		43 0	Vorigas	-/3	114	4			
	30	56-81-87	,	13 628	1 1	12.0	4	1/3	1 1/1	4	A treatments , Or	19. 24 + 84	4 + 27
TO SECOND SECOND	26	11/1/14	1911	1610		160	10,50	38	4/	1 4 1	Ketreatment, Or	19, 24 714	
	25	1 49	1911	1247	A A	16.0	1911048	34	- 1	A III			
	29	1		633	A	RIO	9,50	32	1	1 1	Repetition of	9.24 4 23	
	Aug, 25 Sept. 1	111911	1911	56 732	1	0.0	9,50	138	4				
	Sept. 1	11/15	119111	30 404	1 1 1	. 17.2	9.50	138	1	9 1 1	K CAKCO/ANEAT		
		11111	1311	1/ 5/80		124	9.73	1 23	A	4			
	29		9	300	A	13.6	9,75	04	M	4			
	30		1211	634	1 1 1 1 .	12.0	91/3	127	4				
	Oct. 30	147	9	1 987	11	140	9 73	119	4				
-		30		2/0/1									
Cole	als for 1927	112		060 637									
	Summ	a de la companya della companya dell											
	Jann	4											
	Total minds			130									
	Total number of			360 637									
	Total FBM treat			12.021									
	average FBM per	With Repo	a octaord	1									
	Number of Charges	41111 24,00	y more										
7													
													692
W.													

RECORD OF LYMBER TREATED AT SEATTLE

1	YEAR	1928

YEAR 1928											
		Condition		S ARMONE I			-				
DATE	CHARGE	Seasoned Partly Seasonal Green FB	M TREATMEN	H LOS Per CLAY	Perictantion 6	OMMERCIALSA	SEPARATELY OR LE COMBINED	REMARKS		Total REATING Hours	
1928 Feb. 8	B		870 CREOSOT	2 /20	0,25	24	CONTRACT			24	
MAY 4	1 10	4 10.	3/ 1	12,0	9.75	23	1 40			23	
26		4 /3		13.0	6 50	24		4		24	
Aug. 16	100 March 100 Ma	\$ 37. \$ 36.5	32 1 4	1/3 89	9 75	3/	11/1			21	
19		5 28	42 11	13,17	0.50	73				1 23 -	
Sept. 20	, 7	1 6 1 14		801	0 685	124	111	40		194	
22			28	8	9,75	24	4			24	
- at 16	1/45	5 40		8	p. 25	124	41	Combined		74	
16		5 40	Tao 11	1002	0.75	12		99914/23		1/2	
16	5 177	3 4/	15 11	10.70	9.25	11				1/2	
16		5 403		14.87	0.75	11/1	11	//		15	
17		\$ 87		14, 78	9.59	1/3		N N		1/1	
		5 27	307 4	100	9.50	12	A L			1/3	
Hox. 30		3 1	30 1	14,08	9.50	12	1			1/2	
Totals for 1978	11/17	491	62								
Su	many										
Total number	of Chargo		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
Total FBM	Tragtest		70/162								
Average FBM	AST STE	30,000 FBM oruno	G 7								
ramor or org		1 27 27 10									
										-	
								-			
				,							
											SAN I
											

			Condition 5		KIND OF	Absorption	Ray of the said	Contract	S			
DATE		CHARGE	Seasoned Partly Seasoned GREET	FBM	TREATMENT L		Periotration	Contract Commercial Sale	Combined	Remarks	rotal cating Hours	
9 Jan.	19	4-1	3	3 587	Geosot	14	1,00	contract	Separately		13	
Mar.	15	7	4	7 233	4	12	0.75	1/1	1 4		24	
	18			1509		11/4	075	1	1 1/1		24	
	19	84		1888		14	075	41	1 1/4		24	
	29	5	9	1888		12	075	1 1	111111111111111111111111111111111111111		24	
	29	117		1/2/6		//2	0 75	1 1	4		24	
Apr.	31	0	\$	41 670	4	11/2	9.75	4	4		1 24	
1191.	30	79-94	3	27 466	#	11/2/	0.75	- 4		1 Retreatment	1121	
	30	86-54	3	18 078		112	0,50	1//			113	
May	31		4	39 894		11.85	0.75			1 Hayaali Neht		
7	21	10		25707	1	1338	9. 25	1			1 3 1	
June	14	4-1	PS	1146	1	Tad.	0.25			1 Retrestant	34	
	14	F		1645	1	12.0	0.75	14	1 11		12	
	23	19	P3	20601	4	13.29	9,75	1	4		16	
	24		5	5130	17	- 16.11	0.50	4	101		1 21	
	24		16	764	1 4	11.96	0.50	N			13/	
July	9	5	15	1573	1	7,90	9.75	1	andina		16	
	14	8		0 283	4	14,00	0.50	1	Separately.	Ketheatheat	124	
Aug.		25		150	N .	42.00	0.50	4			2%	
1149.	10	00	1	18 996		47.0	9.50	4	Combined		8	
Sopt.	8	5		20376		1009	9.50		Opporately		-0	
7	25	74	5	8970		1297	000	1				
	29	78-89		8830		160	0.50			Retreatment	30	
Oct.	17	330		955		14,0	9.50			Chedin Su	19	
	24	84	6	8343	A	120	0.75	12	4			
Hoy	7	8	\$	137	4	12.0	10175				23	
	8		4	907	4	/2.0	0.25	4	4		20	
tals For	Year	29	7	85,866								
	Summe	7/7										
Ttin												1
Total FB		of Charge	23		20 - 30							
		per charge			5 9 5 7							
Humber o	f chan	es entre	agg PBM o	r Many	100							
				11739								
THE RESERVE OF THE PARTY OF THE	WAR BUT BY											1

RECORD OF LUMBER TREATED AT SEATTLE

YEAR 1930							
	COMDITION						
DATE CHARGE	Beasoned Partly Scassing FB		Fenetration	Total	Construct Separately Commercial Sale Combined	Remarks	absorption LBS per CLAFT
							NOS PERSONAL
1930 Feb .7 18		597 Grasote	0,25	11121/	Contract Combined	1Retroatment	11 11 17 11 11 11 11
12 13-34 - Mar. 5 W-32	5 176	والمسموط لمعط ليمية امدية أوريط ليتمن المناسية أ ومسموني فيمن فرين	050	36	11 Separately	1 Kerroain on	9 58
14 150	6 23	25 GRASOTE	050	24	Compined		12
20 10	\$ \$3 G	12 Mixture	0.50	1 22	5 eparately		11 /4 /4
27 49	5 28 9	NOTE THE RELEASE OF THE PROPERTY WHEN FROM THE PARTY WHEN THE PARTY WE WANTED	075	1 22			10.00
Apr. 1 202	\$ 7	and mad blooming it has not been been been been been been been bee	0.50	11/4	1 ambungs		16.00
3 1 274		98 4	0.50	24			16.00
6 238		23 4	Complete	16	N N		8.00
May 3 67		39	0.75	1119	V Separately		1344
29 359	180	99 14	9.75	120			13:00
June 13 247		97 11	10.73		4 Copybined		/7.00
June 13 247	5 6 4	33 /12/4	9,73	124	The state of the s		/9.00
23 M-X	6 35 9	4 9 9 9 9	0.75	22	Joseph Separately		1945
26 1/27		76 4	144	1 23	11 Combined		14.00
July 25 480	3 6	38 1		12	11 11 11		16.00
76 481-484	5 78	76 1	0.75	24	11 Separately	1 Retreatment	1200
30 491	5 21	89 1	0.75	9	1 Combined		14.00
A49, 16 14-80	45 81	00 11	0.75	23	1 Separataly		9 22
20 14-81	\$ 46.5	7	0 75	1124			11 1434 11111
25 14-83	9 9	10 9	1,44	1134	N 14		19.36
27 M-85	5 /2 4		0 15	26	14 14		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Sept. 3 M-88	5 72 2	A XV X	0 0	The state of the s			7,00
9 11-89	74 %	44 111111	10.78	1 24			11 10 4
10 M-50	23 69		675	134	ir k		1940
21 677 625	\$ 37	o Cressite	0.35	32	un Combined	1 Retreatment	12,00
22 628	形	2		1/6	W W		3000
26 278 P Plant	5 2703	3 4		14	Commercial File	Hemback Conduct	1500
Och 18 664	4 - 12	00 11/1	075	36	Contract Sparitely	1 Ketreatment	8.50
1 207 P Kan	1769	6 4		15	Commorcas Sele	Hemlook Conduit	15 00
15 241 11	3 0 3	4 11		18		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AS . 6 0
Dec. 23 844	9 / / / / /	S TANK	1,99	93	Can/ra 4		17,50
Dec. 23 844		D CYEFGOVE			commencial date		
Totals to Year 35	5316	86					
Summary							
Total Number of charges		35					
Total FBM TROOTEN		521,684					
ave. FBM. per change		11-14 905					
Number of Charges with 30.0	COTTON CALORE	1 1 1 1 1 1					

>	EAR	1931							
			Condition						
	Date	Change	Scasoned Partly Scasoned FBM	TREATMENT	Hosorption Peneliation Lbs per Cu. FT Inches	Treating Hours Commercial Sa	r Separately or	Ramarks	
193	/ Jan.	27 14-48	3 700	Mixture	12.00 0.50	12.0 Contract	Separately		
	Feb.	rain in the little basis which the comment of the c		Geasote	12.00 0.75	12.0 11			
		25 136			12.00 0 75	14.0 11	Combined		
		96 138	5 4455	Mixture	12.00 0.75	72.0 1			
	Mar.	37 N 95	6 1140	Creasote	12,00 1100	180 11	Sparately		
	- Andrew	. 13 165-189	1 1 1 1 8 A		1100 0.50	240 1	1 1/1	Retreatment	
		15 184	# 1 HSD+		14.00 5.50	20.0 11	- 4		
		16 14-116	1 5 1 1/3 735	Mixture	6,70 1.00	120 14	Separately		
	Apr.	27 17 17	5 44 440		806. 100	1/2 0 1/4	Combined		
	June	2 4-150	5 1498H	Mixture	1/134 8.73	19.0	Separately		
		3 X-15-	G 48718	N	961 1190	200 4			
		4 11-154	95887	13	8:25 1.90	21.0 11			
-		5 N-156 6 M-158	5 40 284	4	83 1/194	1 12 0 11			
		8 N-146	5 2961	Cansota	70 100	14 o Compensate	Cimanad	Hamlock Configer	
		39 444	6 549		160 1	17 a Contract	4		
	Sept.	15 204	5 9110	1, 1,	10.94 0175	16.0 11			
		16 205	9 110	1	10.53 0.25	90 1			
	Oct.	17 588	5 8792	Mistra	16.00	180	Comarred		
		29 291	1777	- Tradare	12.93 0.75	24 0 11	1000000		
	Nov.	16 N- 763	7735	//	14.66 1.99	200 4	4		
		16 733	1094	Creosof	16.00 050	18.0 11	Combined		
		25 753	35	1 1	8000	200			
	Pec.	25 254 19 802	A 454		16.00	22.00			
70	tals for ye	ar 73	8 337473						
-									
		Summery							
		Sur morest 4							
	Total h	umber of ch	iarges	28					
	Total #	BM Treated		382 673					
		FBM per ch		1 883					
	Number	of changes with 3	BO OGG PRIMOTE	9					
				*					

No 6

MECORD OF LUMBER TREATED AT SEATTLE /EAR- 1932 Condition KIND OF Absorption Penetration total contract or DATE CHARGE femark 770 245 245 768 233 8030 500 0.30 *Tar M,0 0,50 17 124 24 18.0 Apr. 0 75 21 13 0 0 0 0 0 P 5 0 0 P 5 0 249 20.0 19 6841 10 800 5812 0.75 120 .76 27 19.0 lune 14 p.75 p.75 p.75 p.75 p.75 78 9 13 274 199 200 201 120 dombines July 80 40 690 PI 571 9 056 16.0 14 11.5 15.3 dreesote Mixitine 200 21 0.75 20,0 21 13 A49 20.0 14 MINTUR 190 16.0 14 210 5 4 75 8 Sent. 20,0 190 14 14 24,0 563 218 6 Oct. 24.0 3 24 1 25 221 03 for year Summ FBM

PLECORD OF LUNBER TREATED AT SEATTLE

YEAR 1933

Date Company Proceedings Proceeding Process	YEAR	1933		Candition	,								
1003 Miss. Miss.			Chan	Soasoned Partly Saysoned	FRM .	Absorption 1		H		Contract or	Separately or	Remarks	
10	Charles Eller Belleville	ar. 16	79			10.48	PACHES		reating tours		Seperately		
Program Prog		93 93	83 84	9	15000	11.50	0.75	1 1 N		41	9		
15		90	65 P	# # # # # # # # # # # # # # # # # # # #	3791	13.00	0.625	Art of the	19.00	2/	Combined Second		
More 1 10 173 100		1 15	N-413	18	9-800	10.24	0.75	Mixture	13.06	0 0	andined		
No	N	lov. 9	150	P3	60/3	10.18	050	18	14.00	N N	Peparately		
Summery Total Plant Freshold	De	- 1	110	75	358	70.00	9.625	Crowste 1	14.00	11	Combined		
Total Faint Tentral	Totals for		14		189.970								
New of changes with Sacretyman hore 1856;	Total	Humber c	ted there			189 970							
1934 Apr. 2 113 6 4200 14.0 0.75 Mixture 17.00 Cartact Separately 8 200 6 1845 20.0 - Carrier 31.00 11 May 1 763 75 2100 16.0 1000 11 18 N 335 5 285 20.0 - Mixture 12.00 11 Lune 31 N Dill 18 20.51 20.58 0.25 George 16.00 11 21 N 247 85 18 304 18.94 0.75 11 Aug. 1 183 3 188 10.00 0.25 11 149 24 N 244 4 8 8722 16.20 0.25 11 Aug. 1 183 3 188 10.00 0.25 11 Aug. 1 1 2523 5 857 20.00 - Centre 12.00 11 Total Funder of Angel 18	Avent	age FBM ber of cha	mes with	50,000 FBN	ar More	13569							
	NAME OF THE PROPERTY OF THE PR		34										
18 N 235 5 389 2010		8	202	# PS	1845	20.a 20.a	1.00	Geasote N	3/.00	A A A A A A A A A A A A A A A A A A A	Separal Cy Combined		
78 Hry & Arr 20,00 — 0 17,00 H Speciality Aug 1 H83 5 168 10.00 0.75 U 8.00 H Garbiner July 24 N 244 & 8728 19.21 0.73 Miritare 19.00 II Speciality Aug 14 523 5 789 20.00 — Cresiste 12.00 II Condined Tre Plugs Oct. 18 Total for year 10 62461 Total Flumber of charges In Total Flumber of charges Average FBM per charge		18 unc 51	M 241	PS PS	989 81516 18 304	10.58	0,75	Mixtur Creasote -	16.00	- N	Separately Combined	TI= Plugs	
Aug. 14 523 5 789 20.01 — Creasote 12.00 11 Combined The Plugs Oct. 18 Totals for year 10 Symmany Jotal: Humber of changes Aperage FBM per change 6246	The state of the s	19: 1		55	168	/0.00	0.35	Mixture	9.00	N Y	Separately		76 17 1
Symmany Jotal: Humber of charges Total FBM Treated Average FBM per charge 4246	Au	9. 14	523	5	789	20.04		Tressore	12.40	<i>Jy</i>	Combined	TIE Plugs	
Total FBM Trailed Average FBM per charge 6244		Symmary											*
Mumber of charges of 30,000 ABMONNONE	Total Fi Average	BM Trailed FBM per	Charge			62.481							
	Namber	of charges	0730.000	FBMOR More									

RECORD OF LYMBER TREATED AT SEATTLE

YEAR 1935

YE	SAR 193	5													
				Condition								The state of the s			
1031	Date	1	parge of	gsoned artly Scasoned EBEH	FBM	TREATMENT	absorption 1	Penetralian /	Total	Contract or	Separatety or	Remarks			-
1730								I LIES /							
	Feb.	Chickens and the second second	N 17	15	984	Mixiture	20.0		12,	Contract	Compined	Tie plugs			
		13	77	119	11989		20.0		1 20			1 1/1			
		96	205	1191.	11/449	Mixture	100	1,00	Paf	4		Separately			
	Sept.	7 10	119	6	39 500	77 17 CAPE	1000	19175	1/2	4	Separately	Separately			
		18		6	1/1/0	Casasa	19.40	1911	1 3		ambined				
	Oct.	8	126	6	13 750	WXXXX	14/18	1011	16		56 17				
	9.	9	330	PS	10/1	Geasota	14.00		11/3		7011917				
	Dec	4	492	14	1484		20.00		1 20	11111	Saparatel	X 1 8/495			
		34	749	6	640	9	10.00	9.625	20	111111111111111111111111111111111111111					
16)	Tals For Year		10		1028211-										
		nary													
	Total Number					10									
	Total FBM =					102321									
	Ayerage For	per	4/19/96	TERM m	Mark	19037									
	11410001 01 01	ngrges	9/ 50,00	9 1713/11 01											
	YE	FAR	1936												
1936	Jan. "	7	1/3		4728	acosate	12.0	1,190	20	Contract	Compined				
	2		184	1 195	1/056	N	12.0	9.75	1/6		111111111111111111111111111111111111111				
	The same of the sa	3	207	6	3876	4	126	10.75	20	4	Separately				
	The same of the sa	9	147	16	18 300	MIXTURE	12.0	1 0 75	20	4	111411				
	Apr.	/	172	19	11/898	141111	1 1/17/	975	1 2/		11/4/11				
	May 9	1	941	19	1200	Creasore	1/2.9	10175	122		Cambined	18 4			
	6	0	936	9	7 6 3 8	MAGUIE	1 /B.0	0.75	1 20		Departery	· · · · · · · · · · · · · · · · · · ·			
	July 3	0	199		73 100	1000007	120	910	134						
	3	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN	124		19613	1994	1/2	025	19		W				
	A40, 1	,	706	6	2369		40	9.75	20		Contined				
	1		20	6	1565	1/2	12.0	9.75	1/9		1				
	1		724	RS	6/6/	1/1	120	0.75	1/4	14	1/1				
	1		730	5	1503	14	15.6	0.75	1191	N N	4				
	14		759	4	2007	#	120	1.00	20	N N					
10%	als for year to	date	1/5		131 466	Cincon	iplate)								
	Symn Total number	1914													
	Total number		a larges			13/4/3									
	ayesage FBV		Chara			100									
	Total number		100 DF 30	DOO FBMAA	Mare										
	THE CHIEF												Bes.	7-36	4RM

MR. L. YAGER:

In compliance with your letter of July 2nd, following are statements of untreated and treated cross ties and switch ties on hand at treating plants as of September 1st, 1936, together with statement of ties due on unfilled orders as of that date:

	12_	#2	_#3	#4	#5	TOTAL
UNTREATED CROSS	5 TIES					
Brainerd Paradise Seattle	75,624 None None	30,258 None None	81,604 75,129 53,372	67,782 141,685 203,428	59,256 154,625 78,848	314,524 371,439 335,648
TOTAL	75,624	30,258	210,105	412,895	292,729	1,021,611
TREATED CROSS 1	ries					
Brainerd Paradise Seattle	None None	No ne	None 1,427 None	None 8,393 None	4,580 None None	4970 9,820 None
TOTAL	230	160	1,427	8,393	4,580	14,790
GRAND TOTAL	75,854	30,418	211,532	421,288	297,309	1,036,401
TIES DUE ON UNE	ILLED ORDE	RS				
Brainerd Paradise Seattle	None None None	None None None	None None	None 836 None	None None 1,204	None 836 1,204
TOTAL				836	1,204	2040

(STATEMENT OF SWITCH TIES ON ATTACHED SHEET)

Paradure a 65 con lies = 5 nos + 3 Toles 6 nos.

Paradure a 65 con lies = 5.7 nos ray 6 nos.

Start les Total lies + suit 6 nos.

Blart les 1 at emp April 10%.

Biattle cap 60,000

Switch Ties Treated at Seattle -

Year	F.B.M.	
1927	595,617	
1928	1,063,202	
1929	1,262,798	
1930		
1931	1,240,854	
1932	719,990	
1933	560,853	
1934	653,094	
1935	617,083	
1936 to 8/31	1,240,311	
	7,953,802 FBM or 189,376 Cross Tie Equit	7.

805)72514 (9 7953)72514

Piling			290		
Parchasia	List.	Cuft.	Soles Tox		
Feb. 1836	185	172		92.50	5-37'
	1925	1788		962.50	25/30 25/33 10/35
Mur.	210	195	2.10	105.00	6/35
apri	700	808	5.88	294.00	20/35
	2380	1994	20.47	1023,40	34/70
	2380	1994	20.47	1023.40	34/70
	2380	1994	20.47	1023.40	39/70
1	2380	2083.	20.41	1023.40	34/70
May	1595	1499	15.95	797.50	455 460 7/65 4/75
	2352	2058	20.23	1011.36	14/68 20/70
	2354	2060	20,24	1012.22	13/68 21/70
	23.10	1936	19.81	993.30	33/70
	2306	1932	19,83	991.58	2/68 31/70
V	2129	1862	18.31	915,47	3/55 4/60 13/62 14/70
	2195	1921	18.88	943.85	3/55 2/60 25/68 3/10
	930	814	8.00	399.90	430 10/35 5/38 448
fly 1	195	175	1.95	97.58	3/65
PES. 480	76	25285	25/12/2	12710.28	30 - 30/ 33 - 25
	60				33 - 25 35 - 46
	22				37 - 5
	28906				48 - 5
					60 - 12
					15 - 10 68 - 54 70 - 258
					Jotal Pes. 480

0 01		10.		
Gross Lies	Pes	ABM	Contract Olg.	
Jan 1936	12402	-2636 837	19139.44	
to	55669	2342.858	15279.58	
Min	64264	2539 489	16557.68	
an	56351	2046711.	13303:62	
They	21304	1065717	7044.46	
Jane .	9839	424 723	3505.50	
kly	953	28112	182.73	
ang	1397	52155	339.01	
8	211919	11/36602	72852.02	
	/			
Sur Lies				
Jan 1936		6000		
Jel				
My				
apri		324529	2606.43	
May		20802	176.62	
June		641311,	5515.09	
July		198709	1768.17	
Oug .		48960	432.48	
1		1,240,311	10,498.79	
			11/0.11	
		RESERVED TO STATE OF THE PARTY		

Quite	d		
Lumber-1936	#3M	Contract Chy.	
Jan 8	4728	64.06	
	1056	14.31	
Feb.			
Mar.	18300	247.97	
	3896	51.84	
gu	11898	161.22	
May	18810	132.41	
-	19527	299.73 338.89	
June	14400	195.12	
July	28433	406.12	
ang	585	7.63	
	10099	12.24	
	15406	27.46 160.99	
	180082	2335.13	
Tielling	-00		
Tie Plage	1918	20.61	
Mer. 200	1918	20.61	
	3956	41.34	
	1	VORTINE STATE	

		2%		
Lis H.	Cutt.	Typ	Cost	
178	40	161	30.55	47 Pcs.
	8		7.65	9
the second of the second	2			2
	10	101		4
		1,86	43.10	62
		.0		
	Charles Asian			
FRM	Pes.			
26667		29,90	1395.00	
				R. M. M. A. M. A. M.
				,
				CS TO THE REAL PROPERTY.
ENTRE A.M.				
	100 10 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M 1 M			1.4
	178 36 6 16 236	178 40 36 8 16 2 16 10 236 60	Lint. Cutt. Ty 178 40 11 36 8 .15 60 .86 16 10 .86 18	Runtt. Catt. Ty Cost 178 40 11 30.55 36 8 15 7.65 6 10 10 10 3.40 236 60 .86 43.10 TRM Pero. 26667 3000 21.90 1395.00

Halen Nº / Tres Treated a Sull Paid Traling Plant Per 7/18/11 Total Cast Tri (Our M 19.87 dec PM 32 Total dec1-1932501-133 1933 1934 1935 1936 Sul Total Grand Toley

Sohn Me Z Est Paid Tudling Plant Sidle from Total Cest Per of Bus year . 1977

Dec 1-1932 Total

Dec/-32-1-1-33

1933 1934

1935

1936

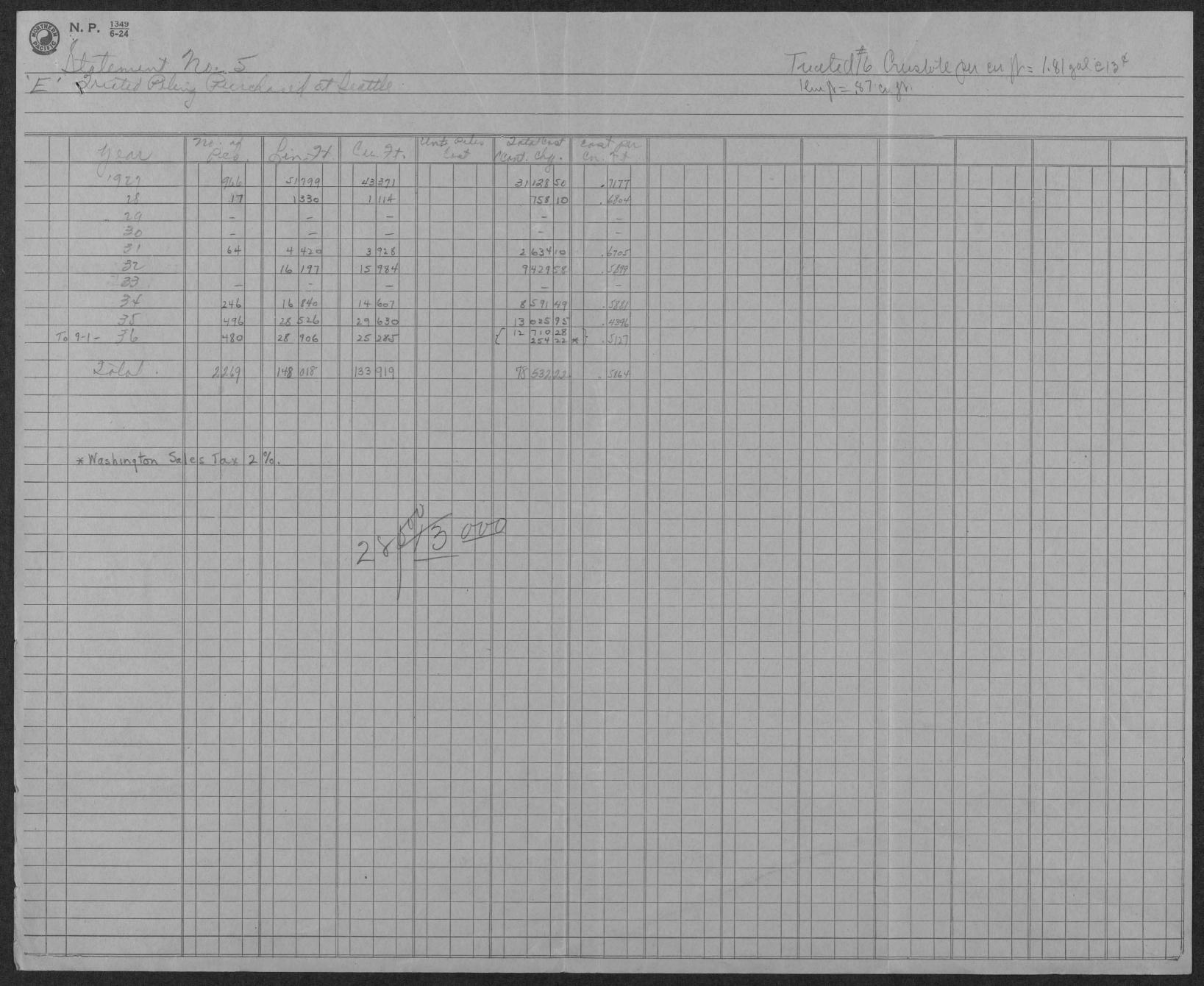
Sur Told Grand Total

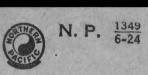
Stalin 1823 Cest Pard Trialing Plant Seallle HBU Total Cest Per JA Both JUC1-1932 Total dec 1-1932-1-1-33 1933 1934 1985 1936 Sul Total Grand Tabet

Stalin / Y Cest Paid Truling Clar Sealle Jun 1980 Luft Cuft Totalan & Per en /1. Dec. 19373 Total Sec1-1937h1-1-33 Sul Total grand Toldl.

· SaluNNº 5 (E) Treated Peling Purchased at Seall Mpcs Sv. St. Per N Cast | Cust | Cust | Cust

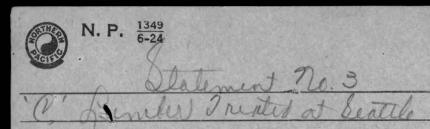
Beaured 9/9/36 Contract chas Per Die 1071 468231 18 576 498 124,687,40 1928 15 985 271 105 511,84 1929 1930 67 657,74 8 496 532 223 030 56 158,00 252 1931 to DEC. 12t; 1932 203 102 52 89187 Jatal 1,739 085 1 68 537 898: 454 978.61 2 12-1-32 to 1-1-33 41 153 1 536 379 1003236 2626335 1933 255 102 963 4018917 00 653 246 455 62 598 23 1934 112 276 4342 906 28 41759 654 1935 1-1-36 to 9-1-1936 11 136 602 7285202 277979 Detal 780 826 30 624 501 Grand Tatal 2519911.99,162399. 260 655 142 16 39.351 arenge





B' Awitch Dies Freated at Scattle

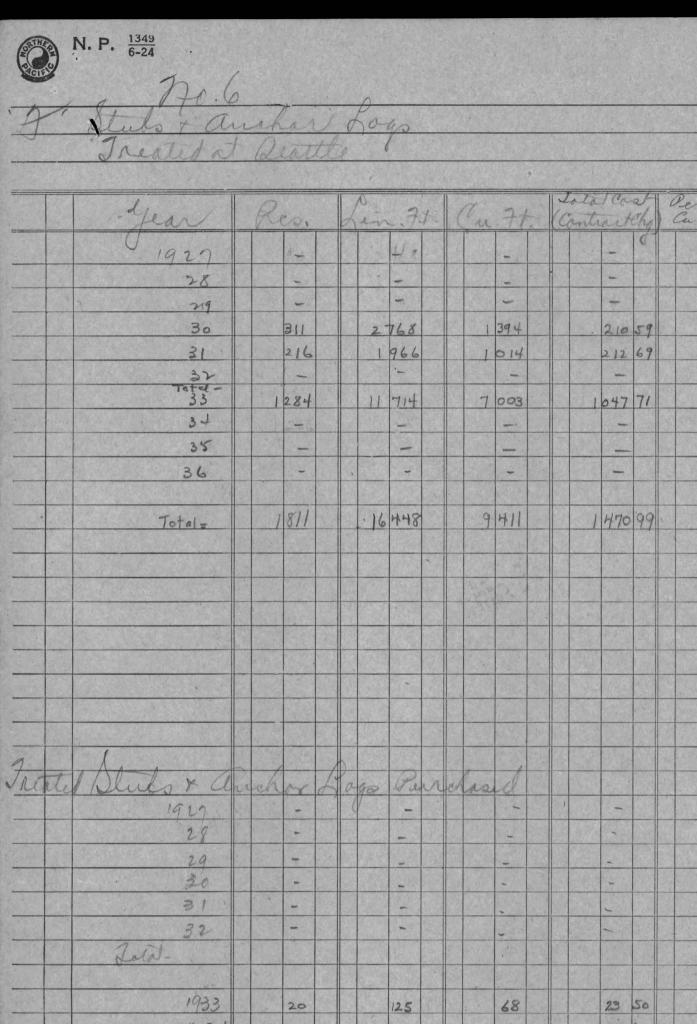
			N. A.				Mark A
	1	200	2 vtal	Cost, 1	Ruggin.		
	year	7811	(Contr	ext (ly)	7837.		
	1927	595 617	5	837.26	\$9.799		
	1928	1063 202		536 52	9, 911		
	1929	1262798		20564		200 超過 200 元	
	1930						
		1240854	11	85706	9.556		
X	· 1931	719 990		479 91	9.000		
		4 882 461	CONTROL DOWN COMMENTS	916 39	9 609 - 10 m	9 = 9609	
+	12-1-32 to 1-1-33						
	1933	560 853	1 4	8 13 93	8.583		
	1934	653094	The state of the s	32776	8. 157		
	1935	617083		95706	8.032		
	To Sept 1 - 1936	1 240 311	E 100 100 100 100 100 100 100 100 100 10	498 79			
		3 071 341		597 54		8 334	
	1						
	Grand Total	7953802	. 72	513 93	9.116	+ *,502	
						9.12	
						650	
					是國際政治國	2.62	
						1162	
						6.50	
					经 经现代的 100 100 100 100 100 100 100 100 100 10	162	
						8.12	
			y's				
		则以为		10			
					6 深态原理 遊 题		71 55 100
			超越鄉				
			建复数				

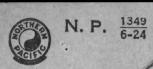


			12.510	" corpe	0.317
	year	78m	(Contract Chg)	Jon Jr. BM	
	1929	361162	1105726	.0306 3060	
	1928	510 502	521154	. 910. 2 10,20	
	1929 and	THE REAL PROPERTY AND PERSONS ASSESSED.			
	1930 andue	300,892 43,741 476,645	3 47580 1 550 96 7 407 47	0314 1160	
	1931	3/8 8/3	7 020 18	.0220 22.20	
	1932	9634#			
	1-1-32 to 12-1-32	196 663	254500	129 1290	
	Joth	2,218,052	38,248.21	.0173 1730	Mar 900 - 8 30
	12-1-32 to 1-1-33				
	1933	189 582	2 483 99	. 0131 1310	
	1934	38366	50828	1320	
	1935	109837	1524 58	,0139 1390	
Control of the State of the Sta	9-1-1936 Zotal	180 082	> 335 13	. 0130 1300	
	Istal	517 867	6 351 98	.0137 13/20	
	Grand Total	2,735,919	45,120,19	0165 16.50	
	* For Graybar Co. (Conduit mper Pur 1936	26 667	(Paving B)	(ocks) 3.0534	
		2762586	46 543 69	. 0/68	
*	2% Wash. Soles	[01.8]			
	770				
	FOTAL	2762586			

N. P. 1349
Slatement # 4
D' Reling Tristed at Reattle

3								
	74. 0	P 2+	0 2.	Contract (kg) L.	colper	Cost Rer		
9 ear 1927 28	Pies.	genita.	Cu. H.	Contract (Kg) &.	in 77.	Cu.47.		
1927	1183	83 325	77 032	2607696	3129	. 3385		
	1920	66380	64985	1550328	- 2335	, 2375		
29	520	21235	19 425	5 408 80	- 2547	. 2784		
30	185	9 138	8366	207652	. 2272	. 2482		
31	215	6847	6 6 6 9	1 254 55	. 1832	. 1881		
1-1-32 to 12-1-32	4023.	3611	3 3 9 6	51 167 85	. 2348	.2497		
Jolef	4023	190 536	179 873	5/16/03/	. 2685	. 2845		
12-1-32 41-1-37								
		8 415	7696	1 458 88	. /733	. 1896		
1933	38	1 290	1 484	274 06	. 2124	. 1846		
35								
365-1)								
John	38	9 905	9 180	1732.94.	. 1785	. 1887		鼓機器
Bear Total	4061	200 241	189 053	52,900 99 .	. 2641	, 2798		
		50 Exam 2 yes 2 a						50 500 F51
	医原基性性					自己就是自己		
THE RESERVE TO A STATE OF THE PARTY OF THE P								
			,				西 鄉國際	
	Kan and a							





"G"- Tie Plugo Treated at Deattle.

1 year	Pos	, 7	Bm	Contr	al Ost	Cer 7m,	
192	7 -						
2	8						
7	9 -	SE 100 100 100					
	1 -						
3							
Total							
3	3 -						
	7 30000	Service Control of the Control of th	2 967		36 68	1.0124	
	J 450 00		4 451		5039		
To Sept 1- 3	6 40000	THE RESERVE AND ADDRESS OF THE PARTY OF THE	3 956		128 41	.0104	
The second second							
							1 5 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6
	2						
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							4
<u> </u>							
AF 9 LESS AND BE							

- ON Treating Hant Helly and 9436 At Treatment of Cross Tres Seasoned 50-50 milline
10- to 12 hrs. Beasined surtet ties about two hours linger-both 8th per cuff. 3/4" penetralian Didge Timber + hunder 50-50 milite Digreen western Douglas fir 16 his seasoning Errerage 2/ ceptinder hours Delengtus Fir - Oregin Peling - full seif I penetralium. get better cylinder seasoning and presenchie Treat aregue peling 80-95 ft 6.18. Specification for A. Dakota Auchning work. Treating some ling Piles at purint for Fargo Marchiell Bucege Green piles dend finn unds regune 42 cylinder tus - Deasined piles as low as 24 cylinder his. Hant is veg well equipped for Eylmiller racum Densing and that explains their time results

2) 4/4/31 Q) (Hant Here two ashuders & dia 122 plung Charge of 4 lengths 30 st Jules = 21 bo en st. Total cylinder time of plant pur year about egundly dunded believe G. N. Eintract and Communical work although autfant for B. N. contract greater per cylinder he greater because of large amount of seasond stort. Currend material treatment in houset from Coast Quedas fir briber + peling) to Munitaria Dakolas, Diva Kansais + helruska Confelline with West Coast Wood Pring Co. Seuttle 81. Helius - Dalles Aregin plants G. TV. Treats several furthed Thursaid 7 MH hes at about some cest as gue tratul. With I MA and 50-50 treated his are Surrer plant operated by G. N. compared to truckent of relating small mucher of Inc June tres Culfant denoted large to lumiter

Beattle Treating Curpent 1/3/31 Eginella Tie = 748 × 8 = 37, 33 / 181e = 3/10/1. 1000 fr BM = 37,33 = 26.78 his per M Treating Cost 600 + 26.78 = ",2427 per tie Present am cost 2600 Shought Cust @ 650 . 2427 Defference .0173 = 7.1270 Reduction 25 per M = 26.76 = .00933

Seattle Treating Centrach (1) 9/3/3 Items descussed with the Horocko+m Barrall in meetings ang. 3/2/ + Seft 1-1936 (A) Crevsole & Storage The Crevsoling Co have been purchasing their Cresite though Bermith Lemboke who are trokers for Japanese + European oil which has been at a lover price Than domestic ail delevered diring the Gallian Elhopran was for a pund Foregin ail was not available so that one slupmit of demestic oil (Barrett) was received in Sleamer Manalona Dec. 4-1935 695, voo gals to spec nol. AREA. Desidue in this lot was of except for large amount of authracine. Gereigin oil which they purchase does not Love residue ora 20% al 3552 Domestic ail has attimes residue as high wo 35 to 40%; which is highly objectivitie from the slandpust of afferma of their Sec. grub 1.06 Peardre 14 to 76 %

Struge Tout Brusult 1- 300,000 guls 3. " 1-740,000 u The 300,000 gul taut to be set aside for the W.P. Sil. Republic Crevsving a plant at friendall Wash by all their tar for productions of mesote. Hey receive about ztankes with tan products from artentic Seabourd. D'Treated from beging 1976 who to 1930 dich 2, 150, or 3 Treated up to and including 1936 3, 400, or 2,150,000 3, 400,000

C) Developant of Price for Treating inseasing tels for season goiles From Slalement to any, 30-1936. .01125 Denning seasoned ties to conveyor.

Orafir
Total ,00250 101375 .00137 .01512 .01512. pu tie = 40 cpe M day 45 g Switch thes likewise taken unsiasmed from stock gills was taken as 60 & per Myall Dronates in effect for treating in house t at & Allens from Parland or Taconia. Roeal rate Portland to St Helens = 6 /2 pu cull Osbors transit ambide = 1.00 g Total 1075 say 119 for en grew lu 125 + 118 = 1375 per tre Orfried Emile

Stalemut 12-1 Elsemated Cist of treated the treated under culticat at Seattle and delined to the Divisions, Busid on 300,000 ties per year (egimealent 748-8) (A) Direct Cost of Ties & Treatment D'Cost of green tie 373/13/1 @ 1200 4480 2) Sales tax @ 2% on 75% .0067 3 Cost of Contract treatment 2600 A trat of Crosote 1. 35 gal @,1326 1790 5) Cest of Pelvolun 1.65 gal @ 2.1¢ ,0347 6) Treating Superson 2,400 .0080 Sul Total .9364 (C) Indirect Dens Freight tite. D Haul on green tres averge haul 148 miles - 125 0,003 .0278 2) Haul treated the averge haul 100 miles-130 c. 00225 10146 Sur lotal .0424 Survey DA Slived Cest + Etc ! 9364 2 (3) Sudirect Themis the .0424 Total Cost 9788 Seattle Wash ling. 30-1936

Salum 1º1 B) Duterest & laves Danterest on Preserativas 52,650 66% for 6 ms 1579,50 .0054 2 Tayes on Presenture 26,325 @ 32% x .0355 .0010 3 Taxes on Seasing Ties 4547 @32% x .0355 .0052 4) dulliest on Seasing Ties. 4547 @ 6% -12 mos. 10273 10359 A) Direct Costs 9364 (B) Lutered & Tayes :0389 (C) Induct Ileus Frughtete *10424 Totals 1.0477 Seattle Wash. aug. 30-1936

Stalent Nº 2. Costmated Cost of treating Inland Empire ties at Paradise and Shipping to Beattle Blank Terretory. Based in 300,000 tres per year (Egunvalur 7x8-8') Deluct Cest of Tres & Trealment 4,4850 Dist of green ties 37/3 81, 18th @1300 D Cost of Trealment (Street Henry) .3498 3 Cest of Trealment (Indired Tax) .0037-,0236 -D lest of Trealmest (Induced avuhead tate) .8621-Luterest + dependen in Institut ("0220) (C) Ludirect Stems Freight rele. D Haul on green tres averge haul 146 mills-125 @.003 .0274 3) Haul on trialid tres away haul 662 mles - 13 & @ 0015 10645 Sur Total .0919 DA almed Cost
D(B) Induct Elementate
Total ,8621 * 0919 .9540 Sealtle Wash aug. 30-1936

2 Adlew N Nº 2 Danterest on Seasoning Très 485 06%-12 ms ,0291 2 Tayes in Seasing Ties :485 @1.63 % 63 .0079 ,0370 Sub-Total Surray * 8621 De Dued Cost B Luleiest & Tayes ,0370 (C) Ludwich Dlemo Freight tetc .0919 ,9910 Sealthe Wash, aug, 30-1936

Statement 18 3 Calmalid Cest of Treating Coast Fir Less at Paradise and shipping back to Seattle Plant Tendory Based on 300,000 ties on year (equivalent 7×8-8') Deduct Cest of Ties & Treatment 4480 D Cost of green ties 37581 BUL @ 1200 D'Sales tay does not apply 3 Cost of Trealment (deside & lines) .. 3498 10037 Das of Trealment (Indirect Tay) 5) Cest of Trealmest (Ludnect arechard + ite) 10236 .82:51 Luterist + dependen on Instruct (0220) (Quidirect Stems Freight tete D Haul on green ties averge haul 688 mile/25#@ .003 .1290 2 Haul on healed hes away haul 662 mles 135 0 0015 .0645 1935 DA Shuk Cost .8251 3 (B) Indue Adleus +de A.1935 Tolal 1.0/86 Seattle Wash lug- 30-1936

2 8 almily 18 3 B Dillerest & Tayer D'Arterest on Seasing Tres 448 @ 1.6370 - 12 mo.

D Taxes on Seasing Tres 448 @ 1.6370. ,0269 .0073 But Total .0342 Surany .8251 Delined Costs B Queletest & rayer Tolat .0342 B) Queletest & Tayes «·1935-1.0528. Sealtle Wash. - aug. 30-1936.

Estrudted cot of treating tres, (Egundant 7+8-8')
at Para dise bused on 450,000 per year Adrectly assignable Items D'Creosote 1,35 gal @ 1/28 plus la fught .008 .1836 2) Petroleur 1.65 gal @ 2.12 plus 7rt @.0279 .0460 30 mlvading & Civis piling 10200 D'hoading for transfer to machines .0140 D Handling through machines ,0180 6 Loading for shipment .0120 D'Ivel Coal @11- put plus Co. Fright @,0015 -.0110 8 Plant Labor (Operation + Repairs) 75,172.04 0337 Denperson (Local) 3,801,90

Dened General) 5,144.76 ,0084 .0112

.0049

,3628

D Malural + Supplies Sub Total

B) Ludirect Overhead +ctc D Luterist on Livestin 185, 534 @6/0(11, 132.04) ,0277 2) Delipucation on Plant 179, 354 @3 % = 5,380.62 .0120 3) Taxes on Plant- year 1935 280.73 10006 Densunce in Plant 1935 Premin 147.57 1000 3 Dullust on Presunting 90,450 @ 6% for 1 no = 45225 .0010 6 Taxes on Preseratives Included in (3) D'Ansurance on Presnatius Included in (4) .0386 Sulv. Total C) Quederect Tayes O Federal Reterent act @ 31/2/0 of Payroll(1173) .0041 Surace DA Durectly assignable Items DB Indirect Cereshiad + Etc .3628 10386 3 (C) Induct Tayes .0041 Tolde Cest 4,4055

Seattle Wash. aug. 30-1936

Statement Nº 5 Cestmaled Cost of treating tres, normal program of 450,000 ties plus 300,000 Seattle Ties at Paradise Total 750,000 ties (equivalent 7" x 8" - 8") Delirectly assignable Herris D Crusote 1.35 gal @1/28 plus Co. Jught.008 1/836 2) Petrolein 1.65 gal. @ 2.14 plus frt @.0279 .0460 3) Inloading + hors piling ,0200 ,0140 Dhoading for hansfer to machines .0180 Handling thrugh machines. 6) Loading for shipment .0120 D'Inel, Coal @1- per ton plus Co Freight @.0015 0110 8) Plant Labor (Copulation + Repair) 21, 110.64 10281 ,0053 2) Supram (Local). 3,961,05

D Malinal + Supplies

5,144.76

Sul Total

.0049

.0069

3498

Begdnest arihad telc Denteur on duestur 185,534 @6/2(11,132.04) .0148 Delpucalin on Plant 179, 354 @ 37 (5380.62) 10072 3 Taxes on Plant - year 1935 - 980,73 .0004 Housenice on Plant 1935 Prenue 147.57 ,0002 .0010 Danlerest on Presurations 90,450 @6%. 6) Taxes in Presnation Included in (3). Dansume on Primiles Included in (4) Sur Total .0236 D'Audirect Tayes
D'Federal Pulment act. @ 3 5 % of Payroll (70 43) .0037 Sumary DA Duetly assignable Lleurs . 3498. 3(10) Indust archiad tate 3 (C) Ludie et Tax Total Cost 0236 0037 13771

Seattle Wash aug. 30-1936

Stelemit 4º 6 Cestimated segregation of cests to Contractor on treating malerial at Seattle Plant, for cause tres only Based on average of 300,000 pcs. 7x8 x8 tre egimalents per year. Contract price 650 per M for 12 hr. treatment is equivalent to 243 per te (7+8=8) Overs ties to aug. 101/936 was 2600 per the cereing all additional charges for orethine. A Direct assignable Costs 9.0/125 D Unloading and stacking gover ties 2) Removing Deasured tres to conveyor .00250 3 Conveyor work .00250 Dering, adaing, In cisung + Charging retirls. Devading out treated tres for shipment. 100 900 :00625 6 Frel - Steam power .02000 D'Plant habor- operation + répairs B Material and Supplies ,02100 101000 Sub Total .08250

(B) Directly assignable Taxes 90017 D State Industrial Tax & Workmans Compensation 2.158 per hr. D'te deral Social Security act 2.1% of Labor .0011 3) Business & accupational Tax 1/4% on Gross Business .0008 .0036 Sur Total C) Cherhead + Etc D General & Plant Enperison 10/20 2) amortization of Plant 300,000 in 10 years ,1000 3 Lutiust on Divestment 300,000 @ 6 % .0330 4) Tayes on Plant 0120 5) Lusmance on Plant .0010 Sur Total .1580 Sumany O(A) Sinch assign able Cesto 9.0825 2 (3) drawilly assignable Taxes 10036 3 (C) averliad + de Toldl 11585 7.2446 Payments Received .2600 9,0154 Sealte Wash Owhit To of Cost aug 30-1936 6.13/0

N. P. 1344 Estimaly Bristdown of Diates Contractors sharp for tosting hors ties Contest Price of \$6.50 for M for 12 tour healment is equivalent & 24! 3 cm to \$8 8 8 actual bui Raid Contestor for teaton of Jace non the A august 1st 1936 - 40.2600 for the covering Removing of Heating Green tie Bernving dry ties of Conveyor Conveyor work Bound, adjoring & meson, & Chegging felock Loading at histor his possion one Report Faul Plant Lata - agreein one Report Miterial and Organis 101125 .00250 00900 .00035 202000 02/00 .01000 08250 Estimates additional deine of Effere Servision ×0120 Interest on motioned e 6% amortista plant in 10 years more on blant ,0300 01000 .0120 ,0010 Atolo modushiel Met + Workmein Compunden.

Arcial Decurity act 21% of Labor storm
Breines + Occupational Day 1/4 To m Book leave ×0007 0008 x 2404 Trup × 2600 Moullanens Hons no.

and Petrolem Statement Nº 7 Comparatur Cresote Prices bused on quiotations current for year 1936. (A) Cisto Delived at Paradise D20% Lihigh C11/2 pl ,0230 2 80 % Domestic @ 13/89 ,1050 1280 3 annage cost per gal. 4) Compay fresh & Daniel @ .0015 = .0088 @ 80% ,0070 5) Company freel Lehigh C. 0015 = . 0051 @ 20%.

(b) Total Cist average Company Freight .0010 .0080 D Total Cost Dududing Co 7st 3) +6 * 1360 (B) Cost dellued at Siattle D'Foreign aiel @ 13 ¢ 11300 2) Wash, Sales Tax @ 270 10026 3 Total Cost delinered ./326 (1) Petroleur at Paradise D Cost of oil @ 2.19 .0210 D Comepung frt 7,87# 584 milles @ . 603 .0069 3 Total Cust 10279 Seattle Wash aug. 30-1936

Statement of malenal trealed under Contract at Seattle

	Nº 1	Hon	70	SuthTue	10%	Pelmy	To	lal
1)	Ties	Ties		J'Pall		Truckin Truckin	71	Blu
- 4	176,045			595,602		1,805.958		8.973.906
1928	468,231			1.063,188		1.303.680		19.847.490
1929	405,893	15,153,337	89.4	1.262,814	7.4	533 988	3.2	16. 950,139
1930	262,784	9:810,60	93.9		177	637.434	6.1	10. 448. 036
1931	223,030	8.374.453	13.1	1,240.848	124	458.094	4.5	10.025.395
1932	244,255	9.118.863	887	719.964	7.0	438.816	43	10: 277. 633
1933	102,963	3.843,954	80 t-	540.868	11.8	366,386	7.6	4. 771, 606
		9.700,986	91.4	653 100	6.5	240.07	2 24	10.094.158
The second of the second		4.191.637			11.7	469 81	~ 819	5.278,513
		10.825,727			11:8	484.76	4 40	12, 258, 525
Total !	2,518,514	94.024.515	863- 8	8.161. 484	7.5	6.739.40	4 6.2	108.935, 401
			10 3 3	the state of the s	-			13,193,322
				The state of the s				123,118,723
	10	des uf	20					

Seattle Wash aug. 30-1936 Compansons of unit prices for treating cross ties surforties, timber + etc as believed the M.P. entract with West Coast Wood Presency Co. at Seattle and the B.N. cinhacts at Hillyard.

	The Mark Consider		
A ON WAR OF	N. Paulist	GR. Central	G.N. Cinhal
Material Material	Hay 1-1927	Juit 1936	Jule-1926
V Criso Tres. Dunglas or Inland for - SV BM	6.50	\$8.96	8:33
3 Cos Ties Douglas Fir - Equivalent 7x8-8	.2407	. 3319	-3085
3 Cross Tres-Tamanact or Karch - JV. Poll.	6,50	\$7.92	8.33
Thos Ties- Tanaralt or Rarch per tie	.2407	.2933	.3085
3 CionoTies - Lodgepole or Pondensa Pine - Jr Bll	\$6.50	\$7.50	8.33
D Cuss Ties-Luclgipule or Pondeuzsa Prine per Tie	.2407	2777	.3085
DSurtor Ties - Fir & Lard - St. Blll	\$8,00	\$12.00	12.00
8 Surtor-Ties-Prue- Jr. B. M.		10.00	12.00
DBridge Timber Lumber fin + Land fr. BU	10.45	12.00	12.00
Doringe Tumber Lumber - Bine gr. BM	-	10.00	12.00
DPiling- 7n + Rarch - per cu. g.	.14	.15	-49
BPiling-Cedar-pu eu. J.		.14	_
B Piling - Price - per cu. St.	-	./3	- No.
Dhoso Ties- Green - St. BM. (fin)	7.52	10.62	
To hoso Ties - green per tie (fir)	.2785	, 3933	

	N. P. Cullian	G. N. Curkel	BN. Culist				
	Jany 1-1927	Jul-1936	Jue 1976				
16) Burlot tres - green MBUL - (fir)	9.02	73.66	-				
17) Bridge Tumber Lumber- green JA BW (fir)	11.47	13.66	. —				
Bridge Turneber Limber- green (usual lots fin) WAM.	11.72	13.66	_				
9 Bridge Timber Linden green (small lots fir) Hon	13.05	13.66					
DPiling green fir pu en st.	.2012	.17	_				
Twite Item (18) based on 30,6	voll BU or	over. Iten	L(19)				
based on charges less that							
Item (20) based on treating			ing				
an total cylinder time of							
The copy of G. Tr. June 1996		not comp	liteas				
to schedule of prices		V					
note-G. 18. Juli 1-1936 Cultiac	A gundes t	that contra	ctor				
shall pay to the G. K. rental for plant of 50,000 per year							
in case G. M. offers for treat	tment 1, 750	2,000 cu gt	ou				
21,000,000 ft BUL. This equal to 561,736 cross ties 748-8.							
The rental therefore is equal to about 9 % per tie.							
The G. M. quarantees to offer for treatment 1,500,000 cuff							
per year. In the went less than 1,750,000 capt, is							
offered the rental drops to 35,000 per year.							
a rental of 35,000 applied to 1,500,000 cuft of							
Cross ties is equial to 482, 3/2 pcs. 7×8-88 ties							
or 7.2 & putil.	1	V					

· Durent pugh (A) The M.P. Seattle Contractor Las an invistment of about 300,000 in treating plant and Deasung yard. The deput atten charge based in 10 year prod is 10% per tie. Seattle Wash. Cing. 30-1936 Bargh (A) The G. N. 1936 circlact graides that the G. N. shall in addition assure the cist to the contractor of

all taxes contributions or assessments imposed by Federal Social Security act or any similar acts in the Stale of Washington + Etc.