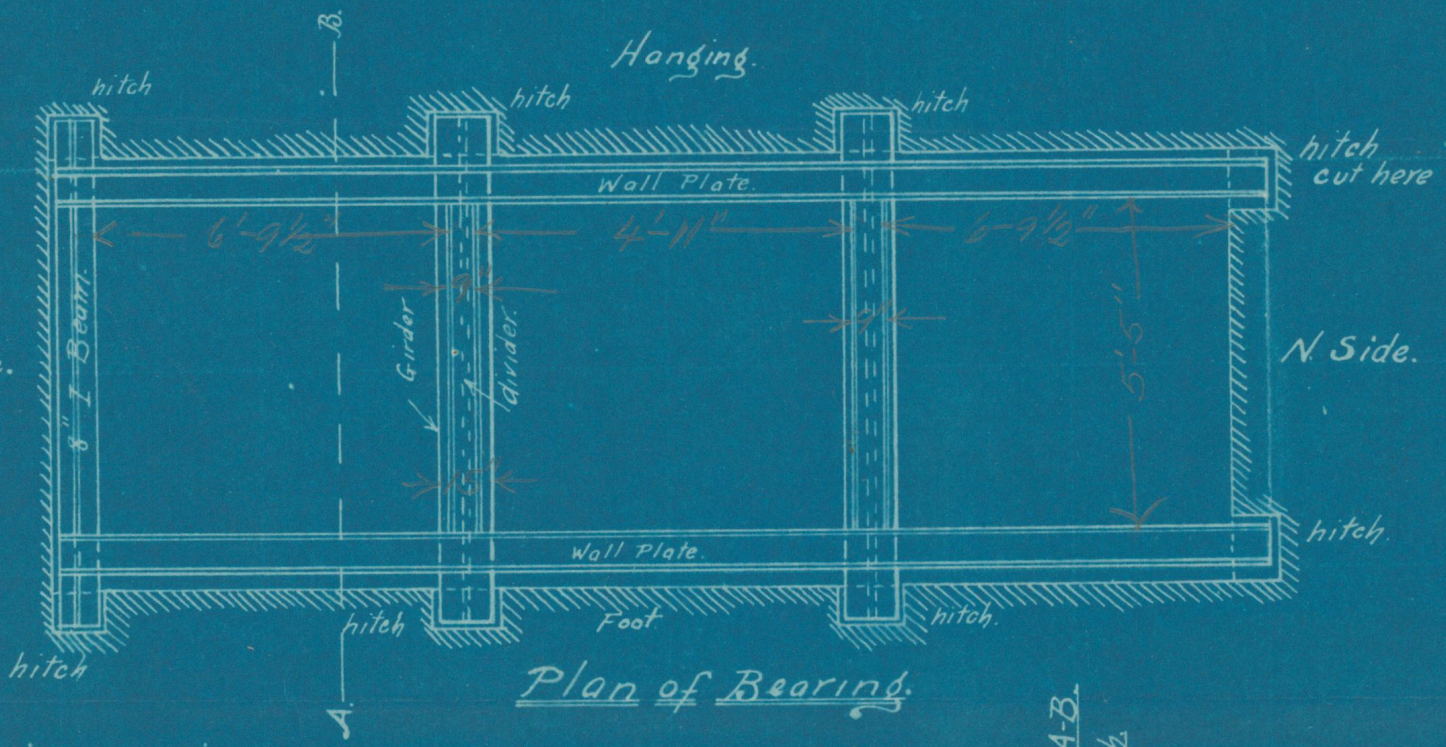
TRIMOUNTAIN MINING COMPANY.

Adams Township, MI

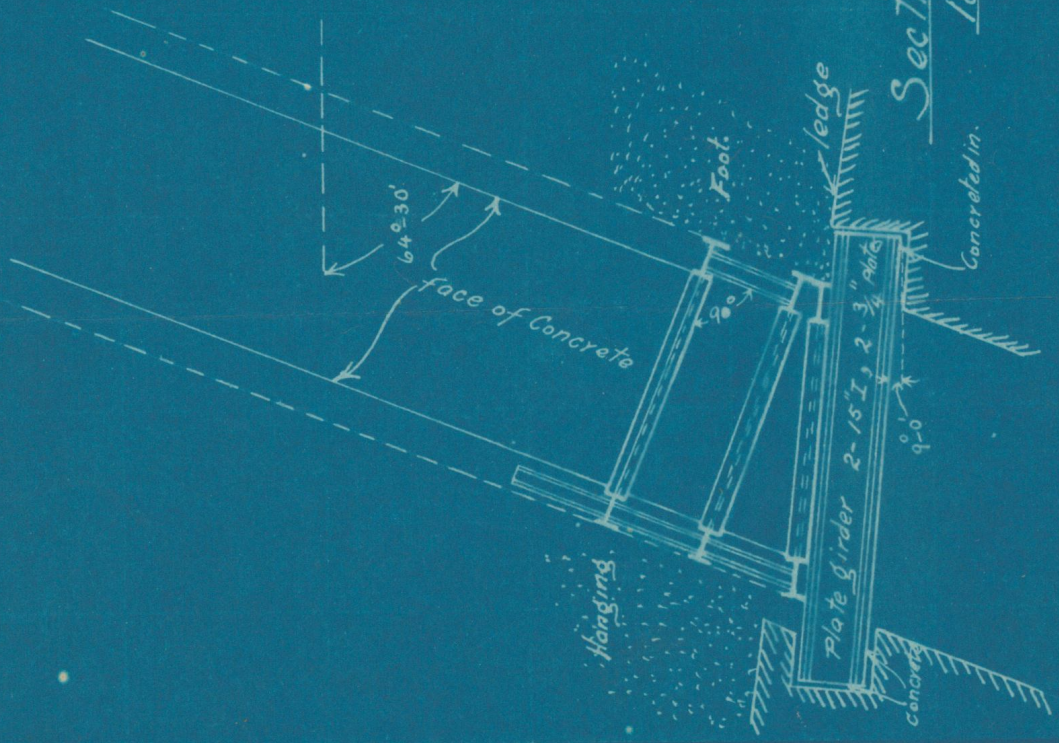
Scale: ..... IN = ... FT. Sketch No. 222

Drawn by O.D.F.Jr. Trimountain, Mich., Aug. 19, 1908.

Sketch of Bearing for Steel-Concrete Collar. #2 Shaft.



Plan of Bearing.



Trimountain Mining Company

Comparative Statement of Cost of Concrete Shaft Collars

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		No. 2 Shaft	No. 3 Shaft	No.4 Shaft
	Length, to Foundation →	80 ft	93 ft.	158 ft.
Labor				
Shaftmen		$2,019.10	$1,028.85	$1,994.70
Masons		528.51		
Surface Labor		301.80	295.50	192.45
Blacksmith "		360.41	67.55	40.50
Machinist "		311.76	41.82	27.85
Carpenter "		144.97	42.73	54.69
Electrician		10.84	8.82	8.96
Teaming		120.56	74.46	56.64
Total Labor		$3,797.95	$1,559.73	$2,375.79
Supplies				
Structural Steel		$2,180.56		$ 136.00
Cement	1252 sacks No.2	588.83		
	1238 " " 3		$ 470.80	
	2169 " " 4			810.09
Stamp Sand	11 cars " 2	159.50		
	3¼ " " 3		45.70	
	8½ " " 4			123.25
Fine Rock	6 cars	90.00		
Sundry Supplies		261.75	102.55	75.91
Freight		215.33		
Total Supplies		$3,495.97	$ 619.05	$1,145.25
Total Cost of Shaft Collars		$7,293.92	$2,178.78	$3,521.04

No. 2 Shaft Collar commenced February 1907, completed August 1907

No. 3 Shaft Collar commenced June 1910, completed August 1910

No. 4 Shaft Collar commenced March 1911, completed August 1911

	Cost per foot Labor	Supplies	Total
No 2	47.47	43.70	91.17
No 3	16.77	16.66	23.43
No 4	15.04	7.25	22.29

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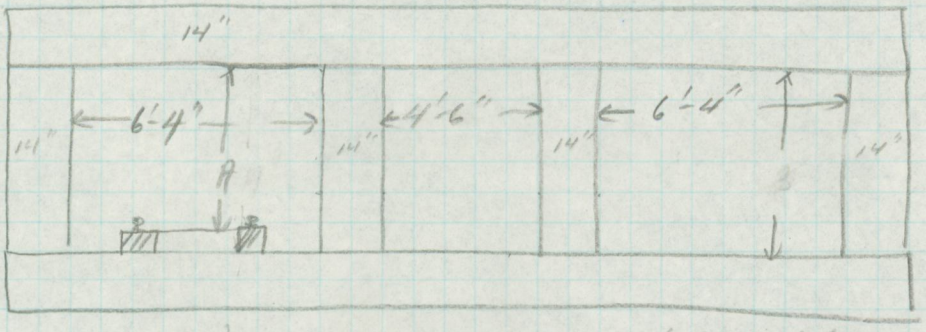
Adams Township, MI

Data for #2 Shaft Collar Trimountain.



Dimensions of old collar.

A = Base of Rail to Hanging Wall Plate = 5.40 in narrowest place and 5.80 in widest. see Field book #124, page 45
average = 5.61 = 5'-7 5/16"
Say we assume 5'-7" as our base to work to,
∴ Width inside of new steel set = 5'-5"

Gauge of Track = 4'-1"
℄ to ℄ Stringers = 4'-3 1/8" If use a 45# carnegie rail.
Dist between stringers in clear = 3'-5 1/8"
Height of steps, Top of Rail to back overall = 3'-9"

South Comp- #2 Shaft- Trimountain

39.8 ft down 5 80 ft hang ft base of rail } 3 tightest places-
37.6 " " 5 72 " " " " " " "
48 6 " " 5 72 " " " " " " "
at brace 4 47 " " " " " "

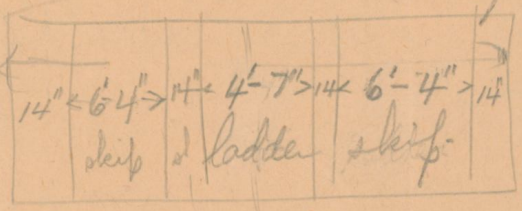
Note by O.P. Fellows Jr.
Oct. 22, 1906
See Book 12 4 page 45

3 97 / 1 83 / 5.80

397 / 50 / 447

Adams Township, MI

No 2 Shaft at brace - total length 21'-11"



5 90 / 41 / 549 / 3 90 / 440

390 / 159 / 549 / 390 / 150 / 540

2.50 / 41 / 159 / 167 / 390 / 557

Nor. Comp-

27 1/2 ft down 5.49 ft hang tr base of rail } 3 tightest places-
41 3/4 " " 5 57 " " " " " " "
45 6/8 " " 5 40 " " " " " " "
at brace " 440 " " " " " "