HOPE METALS CO.

Glenville A. Collins, Mining Engineer — RECORDS — San Francisco

LITTLE TREASURE SAMPLES

Simple No.	Width of Simple	Ag
1	32	15 2
2	20	24 5
3	48	14 4
4	48	12 6
5	46	18 0
6	48	0 8
7	48	3 4
8	36	11 3
9	48	13 0
10	54	4 4
11	24	6 8
12	24	71 8
13	28	48 8
14	32	8 2
15	22	32 6
16	10	16 8
17	3	2 3
18	26	1 6
19	34	2 2
20	24	7 3
21	24	21 2
22	24	15 8
23	34	18 0
24	18	15 0
25	24	9 1
26	36	21 0
27	36	25 5
28	46	29 0
29	48	25 6
30	26	34 6
31	30	10 1
32	10	22 5
Avg 1-32	31.6	16 10
33	18	23 8
34	18	2 7
35	16	110 4
36	24	34 8
37	18	72 6
38	24	27 0
39	24	11 4
40	36	20 5
41	18	3 0
42	10	8 3
43	16	5 3
Avg 33-43	20.8	21.3
45	25	12
46	18	16
47	24	5 9
Avg 33-47	20.8	21.3
R1	18	3 03
R2	28	3.94
R3	36	5.39
R4	34	3.38
R5	24	14 16
R6	34	37.54
R7	10	6.26
R8	30	12.17
R9	12	11.62
R10	34	3.6
R11	22	27.75
R12	5	7.37
R13	8	23.47
R14	14	20.19
R15	22	13.12
R16	28	9.01
R17	32	16.31
R18	30	15.84
R19	42	16.09
R20	33	15.15
R21	24	5.79
R22	28	0.76
R23	24	4.90
R24	28	8.55
R25	18	11.66
R26	12	7.05
R27	12	1.73
R28	16	0.19
R29	13	0.35
R30	12	3.60
	Shaft	
R31	30	4.31
R32	24	2.03
R33	30	11.90
R34	22	1.17
R35	22	4.40
R36	18	9.42
R37	15	4.32
R38	28	4.68
R39	26	1.14
R40	28	7.66
R41	20	9.29
R42	24	11.64
D6	30	17.03
D7	15	16.92
D8	20	4.36
A1		
A2	30	6.41
A3	36	20.62
A4	24	51.65
A5	30	14.83
A6	42	20.77
A7	48	13.20
B8	42	39.19
B9		1.73
B10		9.43
B11	60	12.79
B12	48	30.31
B13	48	9.16
B14	48	3.47
B15	48	2.34
B16	36	9.20
B17	36	20.56
B18	26	0.25
B19	26	0.15
B20	12	3.26
C1	30	0.98
C2	12	2.13
C3	14	4.09
C4	12	22.67
C5	16	13.70
C6	30	9.64
	Winze	
C7	24	15.98
C8	20	2.05
C9	24	54.08
C10	16	11.27
	Raise	
C11	30	5.30
C12	36	5.75
C13	36	7.94
C14	42	9.82
C15	38	6.47
C16	46	0.69
C17	42	7.33
C18	12	5.05
C19	22	9.00
C20	8	7.46
C21	8	2.48
C22	11	3.84
C23	10	1.75
C24	18	5.04
E1	20	7.73
E2	3	0.01
E3	6	1.26
E4	30	1.06
E5	18	0.49
E6	3	15.43
E7	8	0.68
E8	18	3.50
E9	24	22.85
E10	24	30.46
E11	20	47.31
E12	30	32.53
E13	24	20.01
E14	16	10.11
E15	15	3.29
E16	14	1.75
E17	10	2.49
E18	12	0.33
E19	12	0.51
E20	12	1.28
E21	46	3.17
E22	46	2.37
E23	19	1.15
E24	6	0.15
E25	7	0.39
E26	6	0.23
E27	11	0.55
E28	13	0.49
E29	28	0.73
E30	23	0.36
E31	30	0.18
E32	18	0.16
E33	14	1.48
E34	10	4.28
E35	18	3.01
E36	12	0.39
E37	18	18.45

ADJUST MINE SAMPLES

Simple No	Width of Simple	Ag
1	36	15.8
2	36	12.3
3	20	2.4
4	36	16.0
5	36	5.0
6	36	12.00
7	36	20.1
8	36	15.4
9	36	21.3
10	36	20.1
11	36	24.3
12	36	18.4
13	36	13.7
14	36	11.2
15	36	10.0
16	36	15.1
17	36	17.2
18	36	47.5
19	36	41.3
20	36	27.4
21	36	23.2
22	36	16.6
23	36	27.4
24	36	14.1
25	36	28.8
26	36	23.2
27	36	26.7
28	36	14.6
29	36	11.1
30	36	13.6
31	36	12.1
32	36	21.9
33	36	21.2
34	12	14.3
35	16	17.6
36	26	19.2
31	24	16.6
38	38	13.0
39	12	19.3
40	26	18.2
41	32	13.0
42		27.1
43		13.5
44	28	15.4
45	28	15.4
46	30	20.1
47	30	20.1
48	26	19.9
49	22	49.4
50	18	16.6
51	16	16.6
52	30	18.1
53	18	17.3
54	12	15.2
56	20	11.2
57	6	1.26
58	30	20.4
59	14	15.7
61	40	9.5
62	10	11.2
63	12	32.5
64	12	26.4
65	38	23.2
66	38	21.4
67	12	15.9
68	36	13.1
69	40	42.1
70	40	25.2
71	32	18.2
72	42	62.2
73	34	11.9
74	37	14.1
75	48	14.8
76	48	15.5
77	42	15.9
78	54	17.1
79	40	21.8
80	69	26.3
81	52	17.1
82	60	22.2
83	54	26.6
91	53	20.9
92	60	21.2
93	48	20.8
94	42	26.7
95	12	24.1
96	14	24.0
97	24	20.1
98	24	20.1
99	38	21.9
100	29	21.1
101	34	20.1
102	40	19.7
103	42	19.0
104	41	18.8
105	20	26.9
106	22	24.1

Series 2

Simple No	Width of Simple	Ag
1	36	17.7
2	36	11.0
3	16	26.1
4	32	22.9
5	12	17.1
6	24	14.4
7	18	19.8
8	18	12.4
9	14	14.3
10	14	22.7
11	13	18.1
12	15	51.0
13	11	37.1
14	18	21.4
15	12	25.3
16	12	19.1
17	11	12.8
18	12	30.9
19	11	32.1
20	16	51.3
21	20	44.5
107	24	20.9
108	23	21.3
109	21	22.7
110	18	20.1
111	22	23.8
112	24	26.6
113		22.2
114		
115	20	12.9
116	26	26.1
117	20	14.0
118	60	

Series 3

Simple No	Width of Simple	Ag
1	60	15.1
2	40	13.3
3	33	22.1
4	32	21.4
5	20	73.4
6	21	38.9
7	40	60.1
8	20	49.8
9	22	23.7
10	26	24.1
11	14	30.2
12	10	10.9
13	18	21.8
14	26	14.3
15	14	59.1
16	24	14.6
17	16	14.5
18	32	20.0
19	16	27.2
20	14	22.1
21	16	13.2
22	20	12.7
23	16	21.3
24	18	24.4
25	18	23.3
26	18	27.8
27	21	28.1
28	21	19.9
29	16	88.4
30	16	61.3
31	18	67.1
32	10	36.2
33	10	21.6

SHIPMENTS OF CRUDE ORE

ADJUST MINE

Date	Dry Tons	Oz Au	Oz Ag	Bar Ag	Net to Shipper
		~ 1920 ~			
6/18	27.02	0.16	40 50	.90	818.46
7/13	51.25	0.10	29.00	.99	1126.44
8/10	50.54	0.12	28.30	.93	1003.72
9/9	10.26	0.14	34.00	.99	264.38
10/25	50.25	0.12	53.30	.99	3334.54
11/27	50.85	0.18	74.30	.99	2743.18
12/16	47.34	0.20	65.80	.99	2276.09
		~ 1921 ~			
1/5	37.61	0.16	59.60	.99	1952.00
2/1	29.10	0.12	29.10	.99	784.81
2/16	31.51	0.08	21.40	.99	473.26
3/7	44.88	0.18	66.30	.99	2619.26
3/22	37.36	0.16	54.00	.99	1757.43
4/5	50.57	0.19	59.00	.99	2624.15
4/14	36.74	0.17	48.80	.99	1569.89
6/10	44.15	0.15	41.80	99	882.69
6/10	40.95	0.23	53.50	.99	1327.25
7/29	35.26	0.10	44.50	.99	683.91
10/6	37.06	0.13	41.80	.99	772.36
11/10	41.53	0.14	47.75	.99	1077.61
12/2	43.37	0.14	49.40	.99	1202.50
12/17	45.90	0.15	53.60	.99	1460.79
		~ 1922 ~			
1/19	37.46	0.11	48.60	.99	956.29
2/16	39.99	0.10	45.70	.99	952.10
3/20	41.32	0.12	37.00	.99	755.82
9/13	45.84	0.12	20.15	.99	659.87
10/13	39.48	0.08	25.00	.99	744.53
10/11	35.17	[redacted]	[redacted]	.99	351.62
10/17	36.29	0.08	15.80	.99	468.93
10/25	41.28	0.08	15.00	.99	385.00
10/31	25.20	0.07	15.80	.99	252.31
11/9	30.67	0.07	16.30	.99	350.24
11/15	49.49	0.08	18.[redacted]	.99	640.45
11/22	43.72	0.07	13.50	.99	342.10
11/22	36.05	0.07	12.00	.99	231.01
11/22	33.40	0.09	[redacted]	.99	479.36
12/6	32.09	0.08	22.50	.99	529.15
12/19	60.73	0.09	26.20	.99	1237.08
12/18	49.77	0.10	27.40	.99	1000.66
12/27	36.20	0.11	27.60	.99	704.85

LITTLE TREASURE

Date	Dry Tons	Oz Au	Oz Ag	Bar Ag	Net to Shipper
2/22/17	58.80	.10	96.60	.78	1838.70
5/17/23	37.40	.09	38.00	.99	1150.77
11/29/22	7.37	.08	34.40	.99	178.69
10/25/22	15.96	.06	38.30	.99	418.55
6/14/22	40.77	.02	23.40	.99	645.87

ADJUST MINE

Date	Dry Tons	Oz Au	Oz Ag	Bar Ag	Net to Shipper
		~ 1923 ~			
1/9	53.39	0.11	29.00	.99	1248.39
1/9	50.02	0.12	29.30	.99	1188.16
1/16	41.31	0.11	31.10	.99	1043.19
1/24	57.27	0.10	35.20	.99	1554.25
1/30	61.10	0.11	36.30	.99	1649.47
1/30	54.62	0.12	36.70	.99	1675.93
2/20	60.96	0.10	33.40	.99	1606.96
2/20	99.40	0.11	32.80	.99	1057.64
2/20	46.64	0.10	31.80	.99	1202.46
2/27	59.20	0.07	26.10	.99	1169.18
3/13	52.27	0.09	24.90	.99	989.05
3/13	39.94	0.08	25.30	.99	761.73
3/13	47.89	0.08	26.30	.99	953.67
3/20	28.87	0.03	18.75	.99	376.89
3/27	69.37	0.08	28.90	.99	1559.90
4/3	54.56	0.08	28.10	.99	1187.00
4/16	51.64	0.08	28.35	.99	1354.08
4/16	52.12	0.02	26.25	.99	961.59
4/16	63.47	0.07	29.40	.99	1946.81
4/24	62.86	0.07	24.45	.99	1194.66
4/24	60.29	0.07	24.20	.99	1078.75
4/24	51.20	0.07	26.00	.99	1000.64
4/24	44.18	0.02	30.00	.99	985.37
5/16	58.26	0.03	23.15	.99	918.01
5/19	60.01	0.01	18.00	.99	659.07
5/19	48.91	0.02	20.00	.99	622.75
5/19	46.51	0.03	19.00	.99	544.51
5/22	48.94	0.02	14.00	.99	341.04
5/22	41.93	0.01	23.50	.99	670.35
5/29	60.98	0.07	26.60	.99	1243.88
5/29	30.47	0.07	25.75	.99	594.99
6/5	35.53	0.03	17.90	.99	211.99
6/5	27.71	0.02	17.50	.65	157.34
7/11	26.76	0.06	23.30	.63	271.96
6/5	62.33	0.01	23.25	.65	572.96
8/21	28.[redacted]	[redacted]	21.20	.63	267.95
		~ 1925 ~			
10/20	53.97	0.07	16.30	.71	425.28
[redacted]					
[redacted]					
[redacted]					
12/2	109.36	0.06	13.99	69	663.93
12/15	122.[redacted]				753.53
1/18	124.40	0.07	15.40	68	921.97
2/1	99.08	0.04	13.15	.67	503.69
2/17	46.74	0.04	31.80	67	695.38
2/23	59.54	0.03	26.60	.66	719.57
3/9	47.08		21.80	.65	418.25
4/2	57.45	0.04	15.20	65	351.33

In the first column is the number of the sample; in the second is the width in inches, and in the last column the silver in ounces.

Samples 1-32 inclusive are from the South Drift, in the lower tunnel, beginning at a point about 1 foot west of the raise.

Samples 33-47 inclusive are from the North Drift, in the lower level, beginning at a point where the crosscut from the main drift intercepts the north vein.

Samples 48-51 inclusive are from the middle tunnel; portal to face.

Samples 52-92 are in upper tunnel ending at face.

Samples the number of which is preceded by a letter are check samples in 1920 by the H.M. Co. assayer and engineer.

R1,2,3, etc. upper tunnel ending at face.

A 1-7 inclusive from a point midway between the portal and fork in lower tunnel, out to the portal.

B 8-20 beginning at the same point as above, going back to fork in tunnel.

C 1,2,3 etc. South Drift, lower tunnel.

D1 to D5 inclusive, Winze in south drift, lower tunnel.

D6 to D8 inclusive, raise above winze.

E 1,2,3 etc. North Drift, lower tunnel.

All samples are cut in 5-ft. intervals and for width of vein only.

Samples 1-92 inclusive, taken by A.L. Flagg.

The foregoing samples were taken by A.L. Flagg when the Adjust Mine was being operated extensively. There were 30 Mexicans employed in the mine, doing all hand work. From 50 to 200 burros were engaged in packing ore to Finney and Christmas. The samples were not taken all at once, but from time to time as the work progressed.

Samples 1-118 were taken in the No. 2 tunnel, beginning at the first raise west of the portal. They were taken at 10 ft. intervals and for the full width of the vein.

Samples (Series 2) 1-21 were taken in the No. 1 tunnel. The samples were cut from the back west from the Cross cut.

Samples (Series 3) 1-33 were taken in an adit at the very West end of the property.

Above is given the principal data regarding the ore shipped from the Adjust Mine during the years noted. The records for 1924 are all missing.

Most of the ore went to Hayden. While the smelter was undergoing some repairs, shipments were to El Paso. This covered a period of about six months.

The last column, giving the net to shipper, does not convey much real information because the freight rates were different, and in some cases the royalty to the owners was deducted at the smelter.

The most important facts are the tonnages and the gold and silver content of the ore shipped.

The records of only a few of the shipments from the Little Treasure have been preserved. No records have been preserved of Laurence shipments. There were 3 cars, each approximately 50 Tons from the Laurence.