Screen Tests

AT 876 AT 876

Adams Township, MI

Thru Indicated Mesh	Wright Hargreaves: Net Grams Per Revolution -200 A	Wright Hargreaves B	Wright Hargreaves: % Product -200 C	Noranda A	Noranda B	Noranda % -200 C	Champion A	Champion B	Champion % -200	New Cornelia A	New Cornelia B	New Cornelia % -200	Miami Copper A	Miami Copper B	Miami Copper % -200	Homestake A	Homestake B	Homestake % -200	Sherritt Gordon A	Sherritt Gordon B	Sherritt Gordon % -200
-28	1.35	.48	34			35	1.76	.54	31	2.50	.70	30	3.37	.90	27	3.95	1.31	35			20
			5			5		11	5			5			5			5			5
-35			39			40	1.53	.65	36	2.31	.73	35			32			40			25
			5			5		12	6			5			6			5			6
-48	1.24	.55	44	1.46	.65	45	1.37	.57	42	2.10	.76	40	2.61	.97	38	2.95	1.25	45	2.97	.89	31
			5			7		2	8			5			4			5			6
-65			49			52	1.18	.59	50	2.02	.84	45			42			50			37
			12			18	(?)	3	12			18			10			16			14
-100	.98	.59	61	1.08	.77	70	1.00	.62	68	1.57	.96	63	1.81	.92	52	1.96	.80	66	1.64	.93	51
-200	.77			.83			85			.94			1.14			1.26			1.06		

Mesh	White Pine Sand A	White Pine Sand B	White Pine Sand C	White Pine Sand & Shale A	White Pine Sand & Shale B	White Pine Sand & Shale C	White Pine Shale A	White Pine Shale B	White Pine Shale C	Tennessee Copper A	Tennessee Copper B	Tennessee Copper % -200	Hollinger A	Hollinger B	Hollinger C	Morenci
-28				4.4	.92	21				4.80	1.28	30				
						2										
-35				4.0	.92	23										
						6										
-48				3.15	.91	29										
						8										
-65				2.34	.86	37										
						20										
-100				1.57	.89	57										
-200	1.00			1.00												

70 or 65 or 60 — 80 — 90 — Grinding Characteristics — 53 — with -3/4" Feed mill 10x10 = 1500 Tons. 70 % -200

Grindability of Ores.
Bond & Maxson
Standard.

Adams Township, MI

Adams Township, MI

COPPER RANGE COMPANY

Probably for Test 4 sample March 11

		White Pine		Champion	
inches	mesh	%	% Cum.	%	% Cum.
.263	½	6.85		11.8	11.8
.185	4	7.82	14.67	10.8	22.6
.131	6	7.82	22.49	11.0	33.6
.093	8	8.08	30.57	9.5	43.1
.065	10	7.95	38.52	8.2	51.3
.046	14	6.3	44.82	6.3	57.6
.0328	20	6.04	50.86	5.6	63.2
.0232	28	4.8	55.66	4.1	67.3
.0164	35	7.0	62.66	4.1	71.4
.0116	48	8.5	71.16	4.66	76.0
.0082	65	10.7	81.86	5.77	81.83
.0058	100	6.72	88.58	3.34	85.17
.0041	150	1.51	90.09	2.75	87.92
.0029	200	2.74	92.83	2.23	90.15
thru .0029	200	7.27	100.00	7.85	
				Add 2.00	9.85
				100.00	

Size of Crusher Feed if all minus 5/16

Adams Township, MI

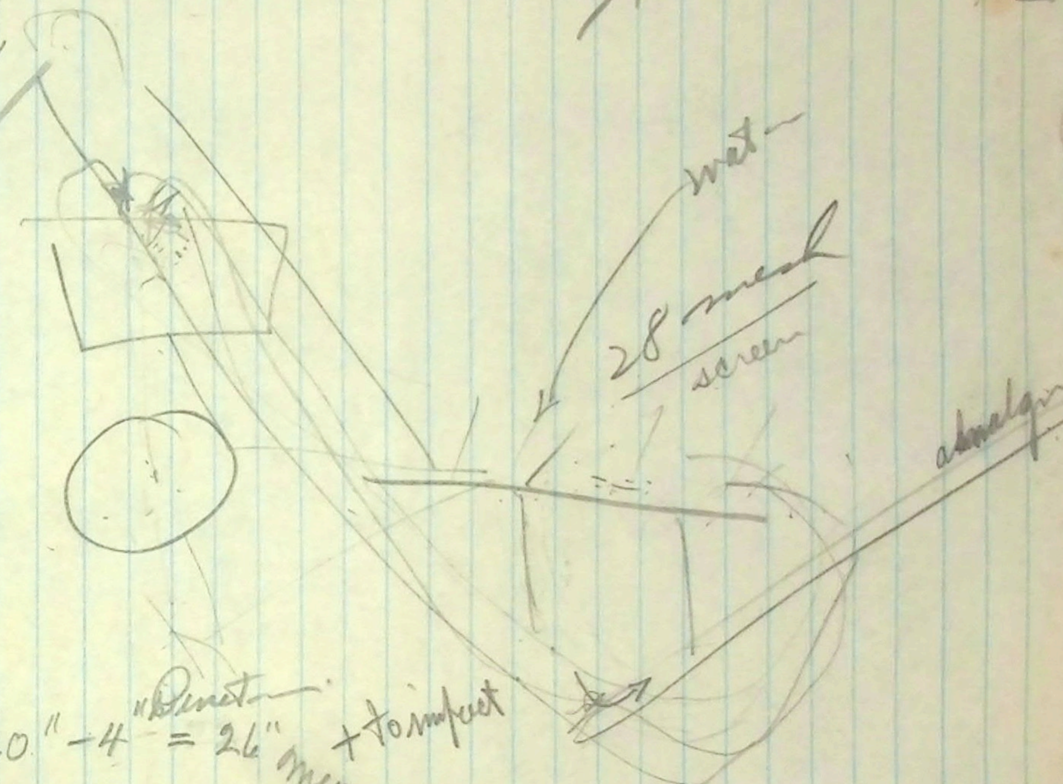
Alemeda Symonds.

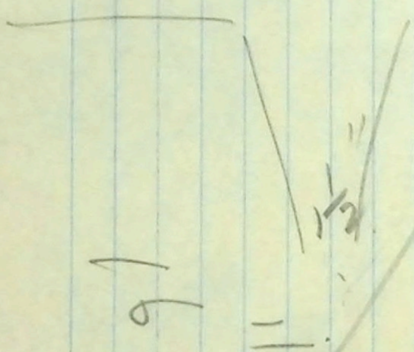
Crush at low cost to $-\frac{3}{8}$ ~~st sign + then~~ $-2\frac{1}{2}$ 20%

then can down fan Impact down throw 28 m/2

or less as is required to give max recovery.

400
600
~~900~~
~~300~~





Mean Dia 30" − 4" = 26" mean + to impact

running 9000 ft per minute

$\frac{9000}{60}$ 150 ft per sec.

125 — 125
4 t.

had to go to 10000 ft per min on a limestone conform 3 to 4%

Silica to get breakup −10 mesh 40% better produce −20 + 60 mesh

21 – [illegible]
17 – [illegible]

Fred [illegible]

11 Wall Bean – Earl
Stan [illegible] – Traveler – [illegible]

Mexi Con [illegible],
Mormon
Chino. – [illegible] Century Santa Rita
{ Nevada Con. –
Utah Copper:
Mi'am Copper. Mendel[illegible] Maya Town of [illegible]

Surge Fitch – Flat. Belt.
Bud Wairth. Jr Month Phosfat –

Wilbur Jordan Chief Mech. 25 Broadway