

Levels relating to Upper Water Power.
Janesville, Wisconsin.

Aug. 7. 1874.

Bench	Back Sight	Instr.	Fore Sight	Red.	White	Remarks
0.000						Datum line - Assumed height
10.000						Mean height of upper dam as compared with datum line
	3.990	13.990				Back sight on Mean height of Upper dam.
			4.325	9.665		
	11.191	20.856				
16.217			4.639			Cut bench, on upper surface of point of Stone Ice break - East side of chute.
13.032			7.824			Cut bench, on East face of Stone Ice Break, East side of chute.
17.202			3.674			Cut bench, on upper surface of Stone Abutment East end of dam.
10.000						Mean height of upper dam, as compared with datum line
	3.990	13.990				
3.701			10.289			Bench on wood sill at tail-race "Doty Works"
3.668			10.322			" " " " " S.W. Cor. of new flume, Doty's New Feed Mill
12.499			1.491			" " top of West Cap of new flume, Doty's New Feed Mill
11.796			2.194			" " " " " flume of Doty's works. To be used hereafter in measuring water used by Doty's New Feed Mill.
17.202						Cut bench on upper surface of Stone Abutment, East end of dam.
	1.681	18.883				
5.213			10.670			Bench on upright, in S.W. cor. of float section of flume Doty's Works.
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17.202						Cut bench on upper surface of Stone Abutment East end of dam
	1.968	19.170				
8.263			10.907			Bench on upright in S.E. cor. of "float section" of flume, Doty's Works
8.366			10.804			" " top cross piece in N.E. cor. " " " " " "
8.231			10.939			" " upright in N.W. " " " " " "
	7.422	15.635				
				11.888	3.747	S.W. cor. "float section" flume - Doty Works.
				11.807	3.828	1 st inter, East " " " "
				11.797	3.838	average 2 nd " " " " " "
				11.858	3.782	3 rd " " " " " "
				11.878	3.757	S.E. Cor. " " " " " "