

Results of tension-tests on specimens cut out of a 2 in. x 4 in. Red Pine scantling, and also of the repeated loading of another specimen cut out of same scantling. (Fig. 131.)

Readings taken by

Loads in lbs.	Extr.	Rule	Extr.	Extr.	Extr.	Rule	Extr.	Rule
	For-ward.		Re-turn.	For-ward.	For-ward.			
100	0	0	23	0	0	0	0	0
200	66	58	187	55	182	50	182	50
300	130	179	387	173	386	106	386	106
400	311	286	401	279	433	206	433	206
500	432	391	401	396	559	306	559	306
600	553	495	614	509	682	406	682	406
1,000	678	708	712	712	812	506	812	506
1,200	804	816	816	816	942	606	942	606
1,400	929	927	925	925	1074	706	1074	706
1,600	1053	1035	1045	1039	1202	806	1202	806
2,000	1172	1143	1142	1142	1355	906	1355	906
2,200	1306	1257	1257	1257	1461	0	1461	0
2,400	1429	0	0	0	0	6	0	6
3,000	5	12	10	14	18	12	18	12
3,500	12	18	19	22	22	18	22	18
4,000	18	21	23	28	28	22	28	22
4,500	21	28	29	33	33	28	33	28
5,000	28	30	33	40	40	33	40	33
5,500	35	35	39	45	45	39	45	39
6,000	41	41	43	50	50	43	50	43
7,000	49	52	52	60	60	50	60	50
7,500	52	57	60	69	69	52	69	52
8,000	57	62	62	74	74	60	74	60
8,500	62					62		
9,000								
9,500								
Total brk'g weight in lbs.	9,000	9,280			9,500			
Breaking weight in lbs. per sq. in.	12,689	12,775			14,372			
Co-efficient in elasticity in lbs.	2,270,850	2,354,150			2,247,350			
Time of test in min.	24	20			30			