

Results of tension tests on specimens 1 to 11 cut out of Douglas Fir Beam XVII. (Fig. 123.)

Loads in lbs.	Readings taken by									
	1	3	4	8	9	11	7	5	Rate	
	Extr.	Extr.	Extr.	Extr.	Extr.	Extr.	Extr.	Extr.	Extr.	
100	0	0	0	0	0	0	0	0	0	
200	61	56	58	95	71	101	91	93	93	
400	185	163	177	289	210	266	249	240	240	
600	278	278	301	411	343	419	496	393	393	
800	408	391	425	655	481	600	680	550	550	
1,000	511	505	546	843	612	708	890	680	680	
1,200	618	620	689	1,037	745	848	1,073	854	854	
1,400	735	734	787	1,244	877	1,096	1,271	1,068	1,068	
1,600	834	833	896	1,444	959	1,144	1,359	1,159	1,159	
1,800	955	960	1,025	1,653	1,111	1,285	1,513	1,313	1,313	
2,000	1,060	1,025	1,279	1,853	1,279	1,444	1,713	1,513	1,513	
2,200	1,111	1,111	1,313	2,053	1,313	1,653	1,913	1,713	1,713	
2,400	1,111	1,111	1,313	2,253	1,313	1,853	2,113	1,913	1,913	
2,600	1,111	1,111	1,313	2,453	1,313	2,053	2,313	2,113	2,113	
2,800	1,111	1,111	1,313	2,653	1,313	2,253	2,513	2,313	2,313	
3,000	1,111	1,111	1,313	2,853	1,313	2,453	2,713	2,513	2,513	
3,200	1,111	1,111	1,313	3,053	1,313	2,653	2,913	2,713	2,713	
3,400	1,111	1,111	1,313	3,253	1,313	2,853	3,113	2,913	2,913	
3,600	1,111	1,111	1,313	3,453	1,313	3,053	3,313	3,113	3,113	
3,800	1,111	1,111	1,313	3,653	1,313	3,253	3,513	3,313	3,313	
4,000	1,111	1,111	1,313	3,853	1,313	3,453	3,713	3,513	3,513	
4,200	1,111	1,111	1,313	4,053	1,313	3,653	3,913	3,713	3,713	
4,400	1,111	1,111	1,313	4,253	1,313	3,853	4,113	3,913	3,913	
4,600	1,111	1,111	1,313	4,453	1,313	4,053	4,313	4,113	4,113	
4,800	1,111	1,111	1,313	4,653	1,313	4,253	4,513	4,313	4,313	
5,000	1,111	1,111	1,313	4,853	1,313	4,453	4,713	4,513	4,513	
5,200	1,111	1,111	1,313	5,053	1,313	4,653	4,913	4,713	4,713	
5,400	1,111	1,111	1,313	5,253	1,313	4,853	5,113	4,913	4,913	
5,600	1,111	1,111	1,313	5,453	1,313	5,053	5,313	5,113	5,113	
5,800	1,111	1,111	1,313	5,653	1,313	5,253	5,513	5,313	5,313	
6,000	1,111	1,111	1,313	5,853	1,313	5,453	5,713	5,513	5,513	
6,200	1,111	1,111	1,313	6,053	1,313	5,653	5,913	5,713	5,713	
6,400	1,111	1,111	1,313	6,253	1,313	5,853	6,113	5,913	5,913	
6,600	1,111	1,111	1,313	6,453	1,313	6,053	6,313	6,113	6,113	
6,800	1,111	1,111	1,313	6,653	1,313	6,253	6,513	6,313	6,313	
7,000	1,111	1,111	1,313	6,853	1,313	6,453	6,713	6,513	6,513	
7,200	1,111	1,111	1,313	7,053	1,313	6,653	6,913	6,713	6,713	
7,400	1,111	1,111	1,313	7,253	1,313	6,853	7,113	6,913	6,913	
7,600	1,111	1,111	1,313	7,453	1,313	7,053	7,313	7,113	7,113	
7,800	1,111	1,111	1,313	7,653	1,313	7,253	7,513	7,313	7,313	
8,000	1,111	1,111	1,313	7,853	1,313	7,453	7,713	7,513	7,513	
Total breaking weight in lbs.	5,500	8,150	6,500	3,200	5,180	3,000	2,920	3,000		
Breaking weight in lbs. per sq. in.	7,755	11,631	8,933	4,230	7,035	4,320	4,089	4,040		
Co-efficient of elasticity in lbs.	2,578,350	2,518,500	2,224,750	1,377,000	2,036,200	1,978,450	1,426,000	2,264,500		
Time of test in minutes.	27	18	23	14	13	23	18	15		