

Results of tension tests on specimen; cut out of Old Spruce stringer, Beam LVII. (Fig. 128.)

Loads in lbs.	Readings taken by									
	Extr.	1	2	3	4	5	6	7	8	9
100	0	0	0	0	0	0	0	0	0	0
200	132	130	109	106	106	106	106	106	106	106
300	362	376	324	317	296	296	296	296	296	296
400	562	576	524	517	496	496	496	496	496	496
500	762	776	724	717	696	696	696	696	696	696
600	962	976	924	917	896	896	896	896	896	896
700	1,162	1,176	1,124	1,117	1,096	1,096	1,096	1,096	1,096	1,096
800	1,362	1,376	1,324	1,317	1,296	1,296	1,296	1,296	1,296	1,296
900	1,562	1,576	1,524	1,517	1,496	1,496	1,496	1,496	1,496	1,496
1,000	1,762	1,776	1,724	1,717	1,696	1,696	1,696	1,696	1,696	1,696
1,200	2,162	2,176	2,124	2,117	2,096	2,096	2,096	2,096	2,096	2,096
1,400	2,562	2,576	2,524	2,517	2,496	2,496	2,496	2,496	2,496	2,496
1,600	2,962	2,976	2,924	2,917	2,896	2,896	2,896	2,896	2,896	2,896
1,800	3,362	3,376	3,324	3,317	3,296	3,296	3,296	3,296	3,296	3,296
2,000	3,762	3,776	3,724	3,717	3,696	3,696	3,696	3,696	3,696	3,696
2,500	4,562	4,576	4,524	4,517	4,496	4,496	4,496	4,496	4,496	4,496
3,000	5,362	5,376	5,324	5,317	5,296	5,296	5,296	5,296	5,296	5,296
3,500	6,162	6,176	6,124	6,117	6,096	6,096	6,096	6,096	6,096	6,096
4,000	6,962	6,976	6,924	6,917	6,896	6,896	6,896	6,896	6,896	6,896
4,500	7,762	7,776	7,724	7,717	7,696	7,696	7,696	7,696	7,696	7,696
5,000	8,562	8,576	8,524	8,517	8,496	8,496	8,496	8,496	8,496	8,496
5,500	9,362	9,376	9,324	9,317	9,296	9,296	9,296	9,296	9,296	9,296
6,000	10,162	10,176	10,124	10,117	10,096	10,096	10,096	10,096	10,096	10,096
6,500	10,962	10,976	10,924	10,917	10,896	10,896	10,896	10,896	10,896	10,896
7,000	11,762	11,776	11,724	11,717	11,696	11,696	11,696	11,696	11,696	11,696
7,500	12,562	12,576	12,524	12,517	12,496	12,496	12,496	12,496	12,496	12,496
8,000	13,362	13,376	13,324	13,317	13,296	13,296	13,296	13,296	13,296	13,296
8,500	14,162	14,176	14,124	14,117	14,096	14,096	14,096	14,096	14,096	14,096
Total breaking weight in lbs.	5,500	5,700	6,830	5,660	6,970	9,000				
Breaking weight in lbs. per sq. in.	7,682	7,941	9,564	7,720	10,069	12,625				
Coefficient of elastic- ity in lbs.	1,032,050	1,202,350	1,025,850	1,065,350	1,318,950	1,903,200				
Time of test in minutes.	15	17	16	17	18	16				