

TABLE VIII.

Kind of Wood	Kiln Dry Weight (Pounds per Cubic Foot)	Percentage Moisture (Based on Dry Weight)	Number of Tests Made	Modulus of Elasticity $E = \frac{wl^3}{4dbh^3}$	Modulus of Rupture $R = \frac{3wl}{2bh^2}$	Endwise Compression Strength (Pounds per Square Inch)
Ash, Black	33	91	6	1,107,000	6,000	2,340
	..	11.6	6	1,395,000	11,620	5,590
	39	12	..	1,230,000	11,400	.....
" Blue	38	39	5	1,241,000	9,650	4,180
	45	12	8	1,108,000	11,500	7,070
" Green	39	48	5	1,480,000	10,040	4,360
	44	12	10	2,050,000	11,600	8,000
" Oregon	36	12	8	1,200,000	9,400	7,360
" Red	39	12	3	1,154,000	12,300	6,160
" White	44	40	5	1,635,000	10,760	4,630
	39	12	87	1,640,000	10,800	7,200
Basswood	23	110	5	842,000	4,450	1,820
	..	9.2	5	1,674,000	7,310	4,770
	28	12	..	1,190,000	8,300	.....
Beech	42	61	5	1,353,000	8,610	3,480
	..	13.1	5	1,830,000	14,830	6,450
	43	12	10	1,720,000	16,300	6,765
Blue Beech	45	12	4	1,160,000	16,300	7,075
Birch, Cherry	44	61	5	1,490,000	8,590	3,560
Paper (Canoe)	37	12	12	1,185,000	15,000	6,885
Birch, White (Gray)	35	12	..	1,036,000	11,000	.....
" Yellow	41	72	5	1,597,000	8,390	3,400
	..	10.3	5	2,396,000	19,400	9,560
	41	12	..	2,290,000	17,700	.....
Butternut	25	102	5	1,008,000	5,870	2,580
	25	12	9	1,150,000	8,400	5,545
Cedar, Red (Pencil)	31	12	13	950,000	10,500	5,805
" Western, Red	23	12	..	1,460,000	10,600	.....
(Shingle)	20	55	5	643,000	4,250	1,990
" White	19	12	87	750,000	6,300	5,200
" Yellow	29	..	..	1,460,000	11,000	.....
Cherry, Black	33	55	5	1,308,000	8,030	3,540
	36	12	..	1,200,000	11,700	.....
" Wild Red	..	46	5	1,042,000	5,040	2,170
Chestnut	28	12	..	1,260,000	9,500	5,550
Cucumber	29	80	5	1,535,000	7,420	3,140
	..	12	8	1,310,000	9,500	7,570
Dogwood, Flowering	50	62	5	1,175,000	8,770	3,640
	51	12	..	1,160,000	12,800	.....
Elm, Rock	45	46	5	1,222,000	9,430	3,740
	..	11.2	5	1,755,000	16,350	7,570
	..	12	7	2,550,000	15,100	8,380
	40	57	5	1,314,000	9,510	3,990
	..	11.6	5	1,622,000	13,950	7,080
Elm, Slippery	43	12	..	1,300,000	12,300	.....
" White	34	66	5	1,052,000	6,040	2,700
	..	10.8	5	1,504,000	12,140	5,840
	..	12	18	1,540,000	10,300	6,500
Fir, Alpine	20	47	5	861,000	4,450	2,050
	..	15.9	5	887,000	5,960	3,400
" Balsam	24	12	1	1,160,000	7,300	5,175
" Douglas	29	32	5	1,242,000	6,340	2,920
	..	12	5	1,392,000	9,320	6,050
	32	..	..	1,680,000	7,900	.....
" Lovely	24	117	14	1,323,000	6,570	3,040
" Lowland	22	12	..	1,360,000	7,000	.....
Gum, Black	39	..	11	1,160,000	11,800	6,630
Hackberry	35	50	1	1,170,000	7,800	3,320
	..	11.4	..	1,426,000	14,070	7,250
	45	..	10	1,149,000	11,700	5,960
Hawthorn, Pear	..	64	2	964,000	7,650	3,110
Hazel, Witch	45	70	5	1,112,000	8,280	3,400
Hemlock, Eastern	25	120	5	917,000	5,770	2,750
	..	9.5	5	1,048,000	7,510	5,740
	26	..	20	1,270,000	10,400	5,565
" Western	32	52	..	1,428,000	7,290	3,390
	..	12	..	1,666,000	10,370	5,400
	32	12	3	1,746,000	12,800	7,740
Hickory, Bitternut	..	65	11	1,399,000	10,280	4,570
	..	9.7	11	1,880,000	18,850	10,600
	..	12.0	25	.....	15,000	9,600
" Nockernut	41	57	11	1,508,000	11,110	4,320
	..	9.2	11	2,555,000	21,950	10,400
	..	12.0	75	.....	15,200	10,100
" Pignut	..	55	5	1,605,000	4,820	11,450
	..	9.5	5	2,370,000	11,130	24,000
	56	12	30	2,730,000	18,700	10,900
" Shagbark	..	58	9	1,346,000	4,360	10,990
	..	9.8	9	2,120,000	10,500	22,600