

Table of Shearing Strengths in lbs. of specimens cut out of various Beams.
DOUGLAS FIR.

Beam.	Tangential.		Radial.		Oblique.		Av. w ght in lbs. Per cub. ft.
	Total.	Per sq. in.	Total.	Per sq. in.	Total.	Per sq. in.	
IX..... (Fig. 132.)	13,510 (1)	332.94	20,020 (4)	413.40	16,760 (2)	401.22	33.52
	16,610 (1)	404.59	.....	.....	17,120 (2)	412.41	.....
	16,700 (1)	375.47	.....	.....	14,720 (3)	393.41	.....
	16,700 (3)	376.37	.....	.....	17,820 (3)	428.05	.....
	17,210 (1)	412.48	.....	.....	15,820 (2)	372.01	.....
	16,410 (1)	400.09	.....	.....	17,630 (3)	366.64	.....
X..... (Fig. 133.)	Average = 382.65	.....	Average = 413.40	.....	Average = 391.59	.....	.....
	19,380 (2)	435.31	14,150 (1)	361.23	16,150 (3)	394.14	33.73
	15,868 (2)	417.24	.....	.....	19,430* (1)	476.24	.....
	16,660 (2)	406.14	.....	.....	12,424* (1)	301.84	.....
	.....	.....	.....	.....	21,504 (1)	435.36	.....
	.....	.....	.....	.....	21,880 (4)	511.41	.....
XII..... (Fig. 134.)	Average = 439.56	.....	Average = 391.23	.....	Average = 433.44	.....	.....
	17,970 (1)	433.64	21,300 (2)	457.54	30,360 (1)	358.17	34.57
	19,760 (1)	416.51	16,100 (2)	337.81	21,530 (1)	417.67	.....
	.....	.....	17,100 (2)	359.79	.....	.....	.....
	Average = 425.07	.....	Average = 338.31	.....	Average = 437.92	.....	.....
	16,984 (3)	402.15	17,886 (1)	464.60	.....	.....	31.81
XIII..... (Fig. 135.)	14,532 (3)	363.22	16,890 (2)	411.01	.....	.....	.....
	15,330 (1)	414.75	14,364 (2)	385.41	.....	.....	.....
	15,310 (4)	400.97	.....	.....	.....	.....	.....
	17,440 (3)	424.70	11,920 (1)	355.18	.....	.....	.....
	12,940 (4)	443.79	15,350 (1)	367.07	.....	.....	.....
	12,860 (4)	428.80	13,260 (2)	334.20	.....	.....	.....
.....	19,090 (3)	478.37	14,610 (2)	350.55	.....	.....	.....
	Average = 432.22	.....	Average = 389.86	.....	.....	.....	.....

DOUGLAS FIR—Continued.							
Beam.	Tangential.		Radial.		Oblique.		A. v. w ght in lbs Per cub. ft.
	Total.	Per sq. in.	Total.	Per sq. in.	Total.	Per sq. in.	