Dia'r	12 feet.	13 feet.	Dia'r	14 feet.	15 feet.	Dia'r	16 feet.	17 feet.	Dia'r	18 feet.	19 feet.
12	.7347	.7959	12	.8571	.9184	12	.9796	1.0408	12	1.1020	1.1633
13	.8622	.9341	13	1.0060	1.0778	13	1.1497	1.2215	13	1.2934	1.3652
14	1.0000	1.0833	14	1.1667	1.2500	14	1.3333	1.4167	14	1.5000	1.5833
15	1.1480	1.2436	15	1.3393	1.4349	15	1.5306	1.6263	15	1.7219	1.8176
16	1.3061	1.4150	16	1.5238	1.6327	16	1.7415	1.8503	16	1.9592	2.0680
17	1.4745	1.5974	17	1.7202	1.8431	17	1.9660	2.0889	17	2.2117	2.3346
18	1.6531	1.7908	18	1.9286	2.0663	18	2.2041	2.3418	18	2.4796	2.6173
19	1.8418	1.9953	19	2.1488	2.3023	19	2.4558	2.6093	19	2.7628	2.9162
20	2.0408	2.2109	20	2.3809	2.5510	20	2.7211	2.8912	20	3.0612	3.2313
21	2.2500	2.4375	21	2.6250	2.8125	21	3.0000	3.1875	21	3.3750	3.5625
22	2.4694	2.6752	22	2.8809	3.0867	22	3.2925	3.4983	22	3.7041	3.9099
23	2.6990	2.9239	23	3.1488	3.3737	23	3.5986	3.8235	23	4.0485	4.2734
24	2.9388	3.1837	24	3.4286	3.6735	24	3.9184	4.1633	24	4.4082	4.6531

Dia'r	20 feet.	21 feet.	Dia'r	22 feet.	23 feet.	Dia'r	24 feet.	25 feet.	Dia'r	26 feet.	27 feet.
12	1.2245	1.2857	12	1.3469	1.4082	12	1.4694	1.5307	12	1.5919	1.6531
13	1.4371	1.5089	13	1.5808	1.6526	13	1.7245	1.7963	13	1.8682	1.9401
14	1.6667	1.7500	14	1.8333	1.9167	14	2.0000	2.0833	14	2.1667	2.2500
15	1.9133	2.0089	15	2.1046	2.2003	15	2.2959	2.3916	15	2.4872	2.5829
16	2.1769	2.2857	16	2.3946	2.5034	16	2.6122	2.7211	16	2.8299	2.9388
17	2.4575	2.5804	17	2.7032	2.8261	17	2.9490	3.0719	17	3.1947	3.3176
18	2.7551	2.8929	18	3.0306	3.1684	18	3.3061	3.4439	18	3.5816	3.7194
19	3.0697	3.2232	19	3.3767	3.5302	19	3.6837	3.8372	19	3.9906	4.1441
20	3.4014	3.5714	20	3.7415	3.9116	20	4.0816	4.2517	20	4.4218	4.5918
21	3.7500	3.9375	21	4.1250	4.3125	21	4.5000	4.6875	21	4.8750	5.0625
22	4.1156	4.3214	22	4.5272	4.7330	22	4.9388	5.1445	22	5.3503	5.5561
23	4.4983	4.7232	23	4.9481	5.1730	23	5.3979	5.6229	23	5.8478	6.0727
24	4.8980	5.1429	24	5.3878	5.6327	24	5.8776	6.1224	24	6.3673	6.6122

STANDARD OF 12 FEET BY 13 INCHES.

Dia'r	12 feet.	13 feet.	Dia'r	14 feet.	15 feet.	Dia'r	16 feet.	17 feet.	Dia'r	18 feet.	19 feet.
12	.8521	.9231	12	.9941	1.065[1]	12	1.1361	1.2071	12	1.2781	1.3491
13	1.0000	1.0833	13	1.1667	1.250[0]	13	1.3333	1.4167	13	1.5000	1.5833
14	1.1598	1.2564	14	1.3531	1.449[7]	14	1.5464	1.6430	14	1.7396	1.8363
15	1.3314	1.4423	15	1.5533	1.664[2]	15	1.7751	1.8861	15	1.9970	2.1080
16	1.5148	1.6410	16	1.7673	1.8935	16	2.0197	2.1460	16	2.2722	2.3984
17	1.7101	1.8526	17	1.9951	2.1376	17	2.2801	2.4226	17	2.5651	2.7076
18	1.9172	2.0769	18	2.2367	2.3964	18	2.5562	2.7160	18	2.8757	3.0355
19	2.1361	2.3141	19	2.4921	2.6701	19	2.8481	3.0261	19	3.2041	3.3822
20	2.3669	2.5641	20	2.7613	2.9586	20	3.1558	3.3531	20	3.5503	3.7475
21	2.6095	2.8269	21	3.0444	3.2618	21	3.4793	3.6967	21	3.9142	4.1317
22	2.8639	3.1026	22	3.3412	3.5799	22	3.8185	4.0572	22	4.2959	4.5345
23	3.1302	3.3910	23	3.6519	3.9127	23	4.1736	4.4344	23	4.6953	4.9561
24	3.4083	3.6923	24	3.9763	4.2604	24	4.5444	4.8284	24	5.1124	5.3965

Dia'r	0 feet.	21 feet.	Dia'r	22 feet.	23 feet.	Dia'r	24 feet.	25 feet.	Dia'r	26 feet.	27 feet.
12	1.4201	1.4911	12	1.5621	1.6331	12	1.7041	1.7751	12	1.8462	1.9172
13	1.6667	1.7500	13	1.8333	1.9167	13	2.0000	2.0833	13	2.1667	2.2500
14	1.9329	2.0296	14	2.1262	2.2229	14	2.3195	2.4162	14	2.5128	2.6095
15	2.2189	2.3299	15	2.4408	2.5518	15	2.6627	2.7737	15	2.8846	2.9956
16	2.5247	2.6509	16	2.7771	2.9034	16	3.0296	3.1558	16	3.2821	3.4083
17	2.8501	2.9926	17	3.1351	3.2776	17	3.4201	3.5626	17	3.7051	3.8476
18	3.1953	3.3550	18	3.5148	3.6746	18	3.8343	3.9941	18	4.1538	4.3136
19	3.5602	3.7382	19	3.9162	4.0942	19	4.2722	4.4502	19	4.6282	4.8062
20	3.9448	4.1420	20	4.3393	4.5365	20	4.7337	4.9310	20	5.1282	5.3254
21	4.3491	4.5666	21	4.7840	5.0015	21	5.2189	5.4364	21	5.6538	5.8713
22	4.7732	5.0118	22	5.2505	5.4892	22	5.7278	5.9665	22	6.2051	6.4438
22	5.2170	5.4778	23	5.7387	5.9995	23	6.2604	6.5212	23	6.7821	7.0429
24	5.6805	5.9645	24	6.2485	6.5325	24	6.8168	7.1006	24	7.3846	7.6686