

APPENDIX IV.

1. TABLE OF BREAKING-LOADS FOR ORDINARY-GRADE ROUND FIBRE ROPES.
(Ropes closely spun and not tarred.)

Size of Rope.		Breaking-load, in Pounds.	Size of Rope.		Breaking-load in Pounds.
Circumference, in Inches.	Diameter, in Inches (approximate).		Circumference, in Inches.	Diameter, in Inches (approximate).	
1	$\frac{5}{16}$	810	$3\frac{1}{2}$	$1\frac{1}{8}$	9,882
$1\frac{1}{4}$	$\frac{13}{32}$	1,260	$3\frac{3}{4}$	$1\frac{3}{16}$	11,340
$1\frac{1}{2}$	$\frac{15}{32}$	1,818	4	$1\frac{9}{32}$	12,906
$1\frac{3}{4}$	$\frac{9}{16}$	2,466	$4\frac{1}{4}$	$1\frac{11}{32}$	14,565
2	$\frac{5}{8}$	3,222	$4\frac{1}{2}$	$1\frac{7}{16}$	16,326
$2\frac{1}{4}$	$\frac{23}{32}$	4,086	$4\frac{3}{4}$	$1\frac{1}{2}$	18,195
$2\frac{1}{2}$	$\frac{13}{16}$	5,040	5	$1\frac{19}{32}$	20,160
$2\frac{3}{4}$	$\frac{7}{8}$	6,102	$5\frac{1}{2}$	$1\frac{3}{4}$	24,390
3	$\frac{15}{16}$	7,254	6	$1\frac{29}{32}$	29,034
$3\frac{1}{4}$	$1\frac{1}{32}$	8,514			

2. TABLE OF BREAKING-LOADS FOR HIGHER-GRADE ROUND FIBRE ROPES.
This grade to be distinguished by a red thread spun into the centre of one strand.
(Ropes closely spun and not tarred.)

Size of Rope.		Breaking-load, in Pounds.	Size of Rope.		Breaking-load, in Pounds.
Circumference, in Inches.	Diameter, in Inches (approximate).		Circumference, in Inches.	Diameter, in Inches (approximate).	
1	$\frac{5}{16}$	1,012	$3\frac{1}{2}$	$1\frac{1}{8}$	12,352
$1\frac{1}{4}$	$\frac{13}{32}$	1,575	$3\frac{3}{4}$	$1\frac{3}{16}$	14,175
$1\frac{1}{2}$	$\frac{15}{32}$	2,272	4	$1\frac{9}{32}$	16,132
$1\frac{3}{4}$	$\frac{9}{16}$	3,082	$4\frac{1}{4}$	$1\frac{11}{32}$	18,206
2	$\frac{5}{8}$	4,027	$4\frac{1}{2}$	$1\frac{7}{16}$	20,407
$2\frac{1}{4}$	$\frac{23}{32}$	5,107	$4\frac{3}{4}$	$1\frac{1}{2}$	22,744
$2\frac{1}{2}$	$\frac{13}{16}$	6,300	5	$1\frac{19}{32}$	25,200
$2\frac{3}{4}$	$\frac{7}{8}$	7,627	$5\frac{1}{2}$	$1\frac{3}{4}$	30,487
3	$\frac{15}{16}$	9,067	6	$1\frac{29}{32}$	36,292
$3\frac{1}{4}$	$1\frac{1}{32}$	10,642			

Table No. 1.—Short-link Chain.

TABLE OF SAFE-WORKING LOADS FOR SHORT-LINK CHAIN, AND FOR SINGLE SLINGS AND COLLAR SLINGS OF CHAIN CARRYING THE LOAD ON A SINGLE PART OF THE SLING.

Diameter of Iron of Chain, in Inches.	Maximum Safe-working Loads.		Diameter of Iron of Chain, in Inches.	Maximum Safe-working Loads.	
	Loads, in Tons, &c.	Loads, in Pounds.		Loads, in Tons, &c.	Loads, in Pounds.
$\frac{1}{4}$	T. cwt. qr. lb.		$1\frac{3}{16}$	T. cwt. qr. lb.	
	0 6 3 0	756		7 12 1 5	17,057
	0 10 2 5	1,181		8 8 3 0	18,900
	0 15 0 21	1,701		9 6 0 5	20,837
	1 0 2 19	2,315		10 4 0 21	22,869
	1 7 0 0	3,024		11 3 0 19	24,995
	1 14 0 19	3,827		12 3 0 0	27,216
	2 2 0 21	4,725		13 3 2 19	29,531
	2 11 0 5	5,717		14 5 0 21	31,941
	3 0 3 0	6,804		15 7 2 5	34,445
	3 11 1 5	7,985		16 10 3 0	37,044
	4 2 2 21	9,261		17 14 3 5	39,737
$\frac{1}{2}$	4 14 3 19	10,631	18 19 2 21	42,525	
	5 8 0 0	12,096	19 5 1 19	45,407	
	6 1 3 19	13,655	21 12 0 0	48,384	
$1\frac{1}{4}$	6 16 2 21	15,309			