

Table No. 35.—Fibre-rope Yard-arms and Coal-whips (Ordinary Grade).

TABLE OF SAFE-WORKING LOADS FOR ORDINARY-GRADE ROUND FIBRE ROPES WHEN NEW AND WHEN USED FOR YARD-ARMS OR COAL-WHIPS, AND WHEN THE LOAD IS CARRIED ON A SINGLE PART (DIAGRAM No. 9).

(Ropes to be closely spun and not tarred.)

Size of Rope.		in	in	in	Size of Rope.		in	in	in
Circumference, in Inches.	Diameter, in Inches (approximate).	Breaking-load, Pounds.	Working-load, Tons, &c.	Working-load, Pounds.	Circumference, in Inches.	Diameter, in Inches.	Breaking-load, Pounds.	Working-load, Tons, &c.	Working-load, Pounds.
2	$\frac{5}{8}$	3,222	0 3 2 19	537	$3\frac{3}{4}$	$\frac{13}{16}$	11,340	0 14 2 23	1,890
$2\frac{1}{4}$	$\frac{23}{32}$	4,086	0 6 0 9	681	4	$\frac{19}{32}$	12,906	0 19 0 23	2,151
$2\frac{1}{2}$	$\frac{13}{16}$	5,040	0 7 2 0	840	$4\frac{1}{4}$	$1\frac{11}{32}$	14,565	1 1 2 19	2,427
$2\frac{3}{4}$	$\frac{7}{8}$	6,102	0 9 0 9	1,017	$4\frac{1}{2}$	$\frac{17}{16}$	16,326	1 4 1 5	2,721
3	$\frac{15}{16}$	7,254	0 10 3 5	1,209	$4\frac{3}{4}$	$1\frac{1}{2}$	18,195	1 7 0 8	3,032
$3\frac{1}{4}$	$1\frac{1}{32}$	8,514	0 12 2 19	1,419	5	$1\frac{19}{32}$	20,160	1 10 0 0	3,360

Table No. 36.—Fibre-rope Yard-arms and Coal-whips (Higher Grade).

TABLE OF SAFE-WORKING LOADS FOR HIGHER-GRADE ROUND FIBRE ROPES WHEN NEW AND WHEN USED FOR YARD-ARMS OR COAL-WHIPS, AND WHEN THE LOAD IS CARRIED ON A SINGLE PART (DIAGRAM No. 9).

(Ropes to be closely spun and not tarred. Grade to be distinguished by a red thread spun into the centre of one strand.)

Size of Rope.		in	in	in	Size of Rope.		in	in	in
Circumference, in Inches.	Diameter, in Inches (approximate).	Breaking-load, Pounds.	Working-load, Tons, &c.	Working-load, Pounds.	Circumference, in Inches.	Diameter, in Inches (approximate).	Breaking-load, Pounds.	Working-load, Tons, &c.	Working-load, Pounds.
2	$\frac{5}{8}$	4,027	0 4 2 10	671	$3\frac{3}{4}$	$\frac{13}{16}$	14,175	0 18 1 15	2,362
$2\frac{1}{4}$	$\frac{23}{32}$	5,107	0 7 2 11	851	4	$\frac{19}{32}$	16,132	1 4 0 1	2,689
$2\frac{1}{2}$	$\frac{13}{16}$	6,300	0 9 1 14	1,050	$4\frac{1}{4}$	$1\frac{11}{32}$	18,206	1 7 0 10	3,034
$2\frac{3}{4}$	$\frac{7}{8}$	7,627	0 11 1 11	1,271	$4\frac{1}{2}$	$\frac{17}{16}$	20,407	1 10 1 13	3,401
3	$\frac{15}{16}$	9,067	0 13 1 27	1,511	$4\frac{3}{4}$	$1\frac{1}{2}$	22,744	1 13 3 10	3,790
$3\frac{1}{4}$	$1\frac{1}{32}$	10,642	0 15 3 10	1,774	5	$1\frac{19}{32}$	25,200	1 17 2 0	4,200