

Table No. 37.—Fibre-rope Yard-arms, Coal-whips, Span-purchases, and Guys (Ordinary Grade).

TABLE OF SAFE-WORKING LOADS FOR ORDINARY-GRADE ROUND FIBRE ROPES WHEN NEW AND WHEN USED FOR YARD-ARMS, COAL-WHIPS, SPAN-PURCHASES, OR GUYS, AND WHEN THE LOAD IS CARRIED ON TWO PARTS (DIAGRAM No. 10).

(Ropes to be closely spun and not tarred.)

Size of Rope.		Working-load, in Tons, &c.	Working-load, in Pounds.	Size of Rope.		Working-load, in Tons, &c.	Working-load, in Pounds.
Circumference, in Inches.	Diameter, in Inches (approx.).			Circumference, in Inches.	Diameter, in Inches (approx.).		
$3\frac{1}{2}$	$1\frac{1}{8}$	T. cwt. qr. lb.		$4\frac{1}{2}$	$1\frac{7}{16}$	T. cwt. qr. lb.	
		1 9 1 18	3,294			2 8 2 10	5,442
$3\frac{3}{4}$	$1\frac{3}{16}$	1 13 3 0	3,780	$4\frac{3}{4}$	$1\frac{1}{2}$	2 14 0 16	6,064
4	$1\frac{9}{32}$	1 18 1 18	4,302	5	$1\frac{19}{32}$	3 0 0 0	6,720
$4\frac{1}{2}$	$1\frac{11}{32}$	2 3 1 10	4,854				

Table No. 38.—Fibre-rope Yard-arms, Coal-whips, Span-purchases, and Guys (Higher Grade.)

TABLE OF SAFE-WORKING LOADS FOR HIGHER-GRADE ROUND FIBRE ROPES WHEN NEW AND WHEN USED FOR YARD-ARMS, COAL-WHIPS, SPAN-PURCHASES OR GUYS, AND WHEN THE LOAD IS CARRIED ON TWO PARTS (DIAGRAM No. 10).

(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.		Working-load, in Tons, &c.	Working-load, in Pounds.	Size of Rope.		Working-load, in Tons, &c.	Working-load, in Pounds.
Circumference, in Inches.	Diameter, in Inches (approx.).			Circumference, in Inches.	Diameter, in Inches (approx.).		
$2\frac{1}{4}$	$\frac{23}{32}$	T. cwt. qr. lb.		$3\frac{3}{4}$	$1\frac{3}{16}$	T. cwt. qr. lb.	
		0 15 0 22	1,702			2 2 0 20	4,724
$2\frac{1}{2}$	$\frac{13}{16}$	0 18 3 0	2,100	4	$\frac{19}{32}$	2 8 0 2	5,378
$2\frac{3}{4}$	$\frac{7}{8}$	1 2 2 22	2,542	$4\frac{1}{2}$	$1\frac{11}{32}$	2 14 0 20	6,068
3	$\frac{15}{16}$	1 6 3 26	3,022	$4\frac{3}{4}$	$\frac{17}{16}$	3 0 2 26	6,802
$3\frac{1}{4}$	$1\frac{1}{32}$	1 11 2 20	3,548	$4\frac{1}{2}$	$1\frac{1}{2}$	3 7 2 20	7,580
$3\frac{1}{2}$	$1\frac{1}{8}$	1 16 3 2	4,118	5	$1\frac{19}{32}$	3 15 0 0	8,400