

Table No. 23.—Black-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON TWO PARTS (DIAGRAM NO. 10).

(Ropes are to be equal to the breaking-loads specified in Table 2.)

Size of Rope.		Strands and Wires 6/19.		Strands and Wires 6/24.		Strands and Wires 6/37.	
Circumference, in Inches.	Diameter, in Inches (approx.).	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.
1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{16}$	T. cwt. qr. lb.	2,240	T. cwt. qr. lb.	2,016	T. cwt. qr. lb.	2,165
	$\frac{13}{32}$	1 0 0 0	3,509	0 18 0 0	3,360	0 19 1 9	3,210
	$\frac{15}{32}$	2 4 2 18	5,002	2 2 0 0	4,704	2 2 2 18	4,778
	$\frac{9}{16}$	3 0 2 18	6,794	2 16 0 0	6,272	3 0 0 0	6,720
2 $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{1}$	$\frac{5}{8}$	4 2 2 18	9,258	3 16 2 18	8,586	3 19 1 9	8,885
	$\frac{23}{32}$	5 4 0 0	11,648	4 15 1 9	10,677	5 2 0 0	11,424
	$\frac{13}{16}$	6 7 1 9	14,261	5 16 0 0	12,992	6 0 2 18	13,514
	$\frac{7}{8}$	7 12 2 18	17,098	7 4 0 0	16,128	7 8 2 18	16,650
3	$\frac{15}{16}$	9 12 2 18	21,578	8 9 1 9	18,965	8 19 1 9	20,085

Table No. 24.—Black-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON THREE PARTS (DIAGRAM NO. 11).

(Ropes are to be equal to the breaking-loads specified in Table 2.)

Size of Rope.		Strands and Wires 6/19.		Strands and Wires 6/24.		Strands and Wires 6/37.	
Circumference, in Inches.	Diameter, in Inches (approx.).	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.	Working-load, in Tons, &c.	Working-load, in Pounds.
1 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$	$\frac{5}{16}$	T. cwt. qr. lb.	3,360	T. cwt. qr. lb.	3,024	T. cwt. qr. lb.	3,248
	$\frac{13}{32}$	1 10 0 0	5,264	1 7 0 0	5,040	1 9 0 0	4,816
	$\frac{15}{32}$	2 7 0 0	7,504	2 5 0 0	7,056	2 3 0 0	7,168
	$\frac{9}{16}$	3 7 0 0	10,192	3 3 0 0	9,408	3 4 0 0	10,080
2 $\frac{1}{2}$ $\frac{3}{4}$ $\frac{1}{1}$	$\frac{5}{8}$	6 4 0 0	13,888	5 15 0 0	12,880	5 19 0 0	13,328
	$\frac{23}{32}$	7 16 0 0	17,472	7 3 0 0	16,016	7 13 0 0	17,136
	$\frac{13}{16}$	9 11 0 0	21,392	8 14 0 0	19,488	9 1 0 0	20,272
	$\frac{7}{8}$	11 9 0 0	25,648	10 16 0 0	24,192	11 3 0 0	24,976
3	$\frac{15}{16}$	14 9 0 0	32,368	12 14 0 0	28,448	13 9 0 0	30,128