

Table No. 25.—Black-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON FOUR PARTS (DIAGRAM NO. 12).
(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 1 1/4 1 1/2 1 3/4	5/16	T. cwt. qr. lb.	4,480	T. cwt. qr. lb.	4,032	T. cwt. qr. lb.	4,330
	13/32	2 0 0 0	7,018	1 16 0 0	6,720	1 13 2 18	6,420
	15/32	3 2 2 18	10,004	3 0 0 0	9,408	2 17 1 8	9,556
	9/16	4 9 1 8	13,588	4 4 0 0	12,544	4 5 1 8	13,440
2 2 1/4 2 1/2 2 3/4	5/8	8 5 1 8	18,516	7 13 1 8	17,172	7 18 2 18	17,770
	23/32	10 8 0 0	23,296	9 10 2 18	21,354	10 4 0 0	22,848
	13/16	12 14 2 18	28,522	11 12 0 0	25,984	12 1 1 8	27,028
	7/8	15 5 1 8	34,196	14 8 0 0	32,256	14 17 1 8	33,300
3	15/16	19 5 1 8	43,156	16 18 2 18	37,930	17 18 2 18	40,170

Table No. 26.—Black-wire-rope Purchases.

TABLE OF SAFE-WORKING LOADS FOR A PURCHASE CARRYING THE LOAD ON FIVE PARTS (DIAGRAM NO. 13).
(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 1 1/4 1 1/2 1 3/4	5/16	T. cwt. qr. lb.	5,600	T. cwt. qr. lb.	5,040	T. cwt. qr. lb.	5,413
	13/32	2 10 0 0	8,773	2 5 0 0	8,400	2 8 1 9	8,026
	15/32	3 18 1 9	12,506	3 15 0 0	11,760	3 11 2 18	11,946
	9/16	5 11 2 18	16,986	5 5 0 0	15,680	5 6 2 18	16,800
2 2 1/4 2 1/2 2 3/4	5/8	10 6 2 18	23,146	9 11 2 18	21,466	9 18 1 9	22,213
	23/32	13 0 0 0	29,120	11 18 1 9	26,693	12 15 0 0	28,560
	13/16	15 18 1 9	35,653	14 10 0 0	32,480	15 1 2 18	33,786
	7/8	19 1 2 18	42,746	18 0 0 0	40,320	18 11 2 18	41,626
3	15/16	24 1 2 18	53,946	21 3 1 9	47,413	22 8 1 9	50,213