

of rope ; (5) size of rope ; (6) number of strands ; (7) number of yarns per strand ; (8) breaking load of sample of rope ; (9) name and address of testing establishment ; (10) signature of person witnessing the test ; (11) date of test.

Guarantees to be approved.

68. No maker of or dealer in fibre ropes shall give the guarantee referred to in Regulation 17 hereof as to quality or brand and breaking load until a certificate of test of a sample of a fibre rope of identical size, quality, and brand has been submitted to the Chief Surveyor of Ships and the guaranteed breaking load has been approved by him.

Retesting.

69. The Chief Surveyor of Ships may at such intervals as he thinks desirable, or at any time when he has reason to doubt the breaking load or quality of a rope, and notwithstanding the existence of any test certificate or guarantee relating thereto by notice in writing delivered to any person appearing to be the owner or in control of any rope, require the rope to be tested anew by some competent and independent authority approved by the Chief Surveyor.

Use of Rope forbidden pending Retesting.

70. After the delivery of such notice as aforesaid no person shall use for working cargo the rope to which the notice relates until it has been subjected to the appropriate tests hereinbefore specified for wire rope or fibre rope, as the case may be, and has withstood such tests, and a test certificate complying with the requirements hereinbefore set out has been produced to the Chief Surveyor and accepted by him as satisfactory.

Tag for Fibre Ropes.

71. Every coil of fibre rope shall have attached thereto a tag made of strong manila paper or other equally strong material showing maker's name, brand, or trade description of the rope, guaranteed breaking load, date of manufacture, and identifying number or mark. Such tag or a duly certified copy thereof shall be deemed to be equivalent to the written guarantee referred to in Regulation 17.

PART XII.—CARGO-LIFTING BLOCKS.

Sheaves.

72. (a) A sheave may be of cast metal.
 (b) The surface of the groove shall be clean, smooth, and free from projections.
 (c) The radius at the bottom of the groove shall be such as to give a reasonable clearance for the rope.
 (d) The angle of the flare shall be from 50° to 60°.
 (e) The groove shall be shaped in such a manner as to give ample support to the rope.

Block Ropes.

73. No block shall be rove with a wire rope having a diameter greater than the depth of the grooves in the sheaves or having a diameter such that there is not a reasonable clearance for the rope at the bottom of the grooves.

Lubrication.

74. Sheaves and swivel-heads shall be provided with efficient means of lubrication.

Sheave Pins.

75. Sheave pins shall be firmly secured to prevent rotation with the sheaves either by keying to the side or strap or in some other suitable manner.

Side Plates.

76. (a) Side plates shall be made of mild steel, cast steel, wrought iron, or malleable cast iron.
 (b) Side plates shall project beyond the sheave to provide ample protection to the latter.

Shrouds.

77. (a) Shrouds or other means of preventing the rope from jamming between the cheek and the sheave shall be provided.
 (b) The total side play between the boss faces of the sheaves and the side plate shall not in a new block exceed $\frac{1}{8}$ in.