SECTION 081-520-115
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WIRE ROPE SNATCH BLOCKS

DESCRIPTION AND USE

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1. GENERAL

1.01 This section describes the wire rope snatch block which is intended for use with the wire rope winch lines of construction trucks when performing general construction work.

1.02 This section includes information formerly contained in Section 081-520-150 which is canceled. This section also includes precautions and the maintenance of wire rope snatch blocks.

1.03 ***Wire rope snatch blocks shall be used only with wire rope.*** Manila or plastic rope require Manila Rope Snatch Blocks which are covered in Section 081-510-203.

1.04 Snatch blocks are usually employed to change the direction of pull.

2. DESCRIPTION

2.01 The wire rope snatch block consists of a steel sheave with a graphite-impregnated bronze bushing supported in a steel shell. A forged steel swivel hook is attached to the shell by straps, a hinged link, and a hinge lock. Fig. 1 illustrates the various parts that comprise the wire rope snatch block.

2.02 The hinge lock is constructed so that it cannot open when the hook is under load. Moving the hook to a position at right angles to the load allows the hinge link to be disengaged so that the wire rope may be placed in or removed from the snatch block. Fig. 2 shows the wire rope snatch block with the hinge link disengaged.

3. SAFETY PRECAUTIONS

3.01 Do not use the snatch block if the sheave does not roll freely.

3.02 Do not use a block where the shell has sharp edges or the sheave is nicked or cracked. Inspect sheaves before use for these defects as described in Part 4.

3.03 Make certain the wire rope winch line is in contact only with the grooved surface of the sheave and that it does not ride on any of the fixed parts of the block.

3.04 A hook that has begun to straighten shall be removed immediately from use and discarded.

3.05 Protective leather gloves should be worn at all times when working with snatch blocks and wire rope winch lines to prevent injury from sharp edges or steel slivers.

3.06 Never straddle a wire rope winch line or stand on the inside angle of a wire rope and snatch block under tension.

4. INSPECTION

4.01 Snatch blocks should be examined before each use for deformed and cracked parts and excessive wear. In addition the parts should be free of sharp edges, burrs, or sharp projections that might injure the workman or damage the winch line.

4.02 The hook of the snatch block should be carefully examined for defects or signs of straightening. The throat opening should not be greater than 2-1/8 inches.

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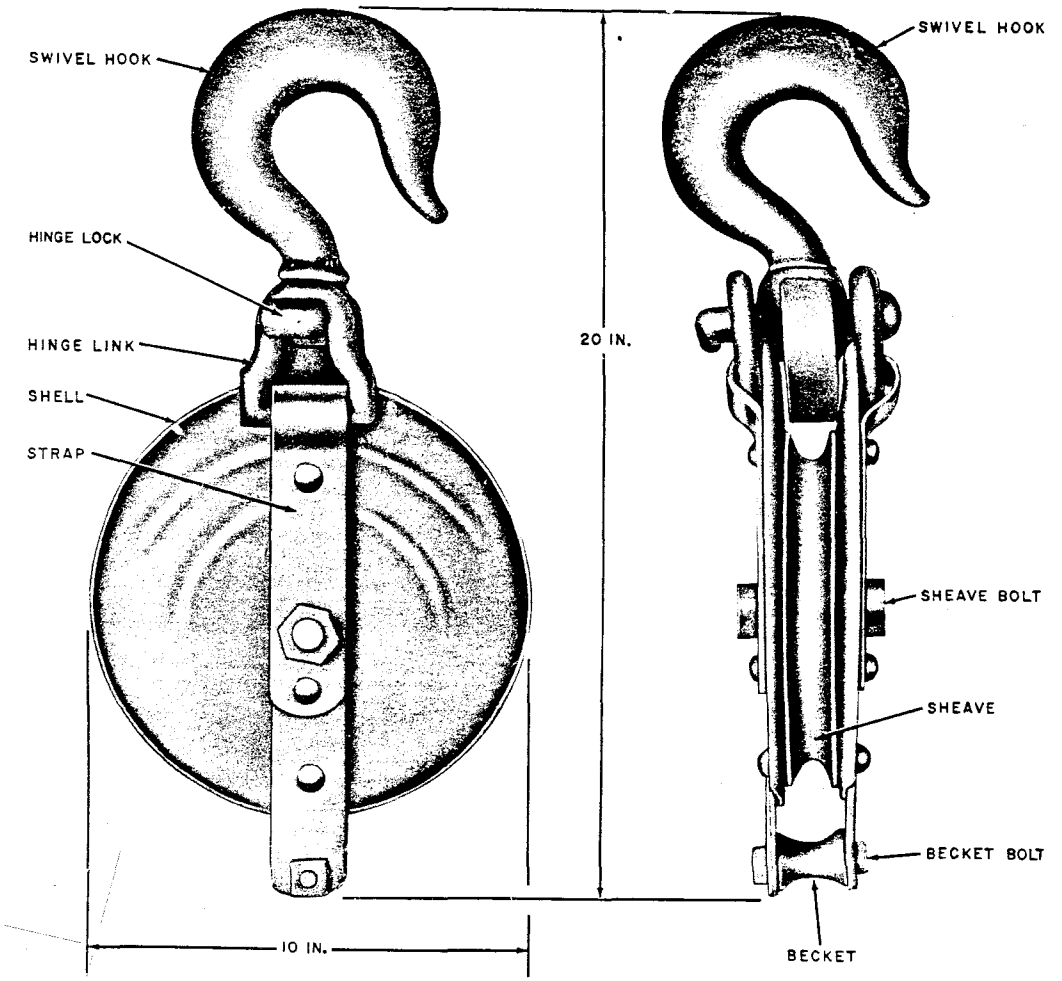
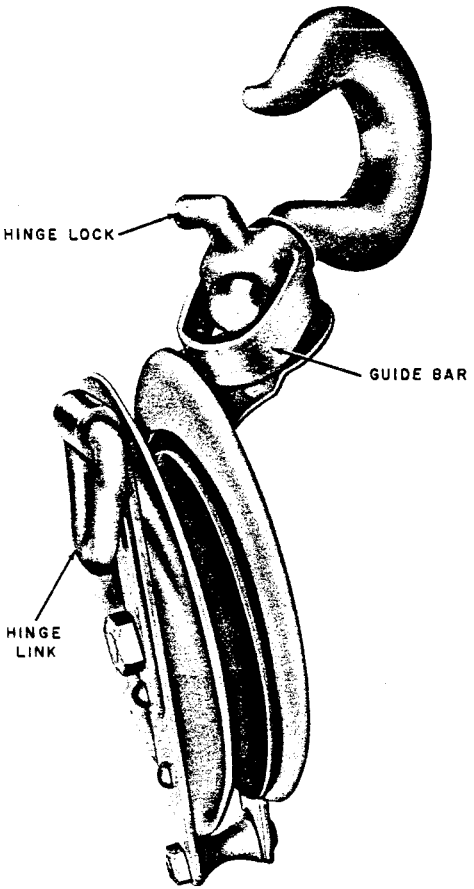


NOTE:
FOR USE WITH WIRE ROPE ONLY.

Fig. 1—Wire Rope Snatch Block



NOTE:
HOOK TILTED ASIDE FOR PLACING OR REMOVING WIRE ROPE WINCH LINE.

Fig. 2—Hook Disengaged

4.03 The hook should swivel freely through a complete revolution.

4.04 The sheave should revolve freely without excessive play or friction on the side plates.

4.05 When any of the foregoing defects are found or if there is any doubt as to its safety, the snatch block should be removed from service at once.

5. MAINTENANCE

5.01 The bronze bushing in the sheave is graphite-impregnated and self-lubricating and will require no additional lubrication. Other than an occasional disassembly and cleaning with a dry cloth to remove dust or dirt drawn into the bushing through normal use, the sheave should require no other maintenance.

5.02 Small nicks in the shell or sheave may be removed by using the smooth side of the Combination H File.

5.03 Periodically, place a few drops of any type motor oil in the swivel of the hook to make certain the hook swivels freely. Keep oil off the groove of the sheave.