

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G85.210.1
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AT&T Co Standard

STRAND PULLERS

MAINTENANCE

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1. GENERAL

1.01 This section replaces Section G85.210.1, Issue 1 and covers the types and maintenance of Strand Pullers. It is issued to specify use of KS-16302 Cleaner instead of KS-8372 Stabilized Trichloroethylene.

2. DESCRIPTION

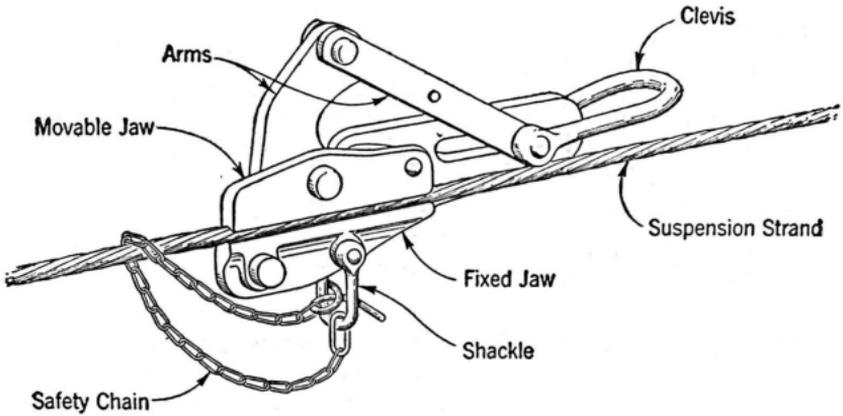
2.01 Strand Pullers are forged steel tools, consisting of a fixed and a movable jaw designed to grip the strand when a pull is applied to the clevis on the movable jaw. They are available in two sizes and are designated as the "L" and "H" Strand Pullers.

2.02 "L" Strand Pullers bearing a date of manufacture up to and including the year 1939, weigh approximately 9 pounds each and are equipped with two shackles, one on the movable jaw and one on the fixed jaw. A safety chain is permanently attached to the shackle on the fixed jaw and is equipped with a latch at the free end. The puller may be prevented from falling from the strand, should it become disengaged, by passing the chain across the open side of the jaws and attaching the chain latch to the shackle on the movable jaw.

2.03 "L" Strand Pullers bearing a date of manufacture subsequent to 1939 weigh approximately 6 pounds each and are equipped with a single shackle which is on the fixed jaw. A safety chain is permanently attached to the shackle and is equipped with a latch at the free end. The puller may be

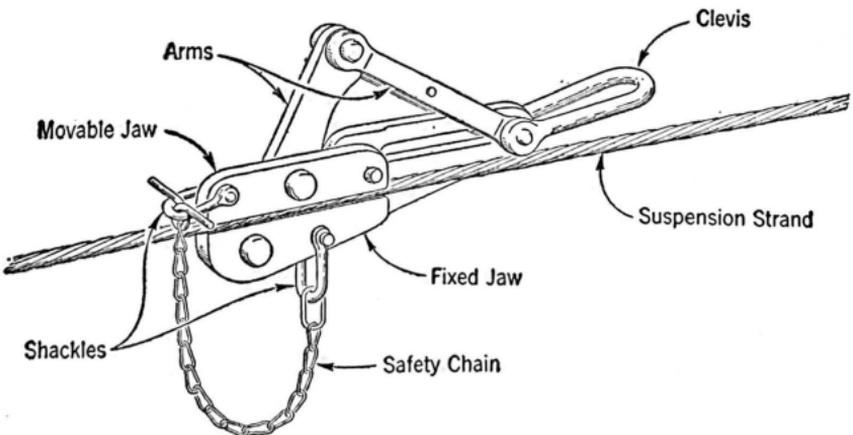
prevented from falling, should it become disengaged, by passing the chain around the strand and attaching the chain latch to the shackle.

L STRAND PULLER



2.04 The "H" Strand Puller weighs approximately 16-1/2 pounds and is equipped with a chain secured to a shackle on the fixed jaw. There is also a shackle on the movable jaw through which the chain latch may be passed. The puller may be prevented from falling, should it become disengaged, by passing the chain across the open side of the jaws and attaching the chain latch to the shackle on the movable jaw.

H STRAND PULLER



3. MAINTENANCE

3.01 Strand Pullers shall be examined and cleaned each time before they are used to insure that the grooves are free from grease, paraffin, oil or galvanizing. To minimize any slipping tendency the grooves of the puller jaws and the strand should be cleaned with a rag saturated with KS-16302 Cleaner before placing the tool on the strand. Wipe the strand and tool dry with a clean cloth, before placing the tool on the strand.

3.02 To remove deposits of galvanizing that may have collected in the grooves of the puller jaws, proceed as follows:

- (1) Place the end of the fixed jaw against the scuffle plate of the truck or some other solid support and then push back on the clevis attached to the movable jaw until the jaws are completely open.
- (2) With the tool in this position, remove the galvanizing by rubbing the groove of each jaw with Abrasive Cloth. This operation may be facilitated by folding the cloth over the tip of a screwdriver blade or similar tool.
- (3) Clean the jaws with KS-16302 Cleaner as outlined in Paragraph 3.01 above.

3.03 A detailed inspection of each Strand Puller shall be made at least every three months with reference to the following:

- (a) Cracks or splits in the various parts.
- (b) Broken spring.
- (c) Alignment of jaws or deformed parts that prevent the jaws from closing tightly.
- (d) Free movement of the pin in the slot (pin shall not touch the end of the slot when the jaws are closed).
- (e) Excessive wear of the rivets or the grooves of the jaw. The grooves in the jaw should be "V" shaped.
- (f) Chain worn excessively or missing.

3.04 If any of the conditions outlined in Paragraph 3.03 (a, b, c, d, e) are found to exist, or if the condition of the Strand Puller is such that there is any doubt as to its serviceability, it should be marked defective and exchanged at once for one in good condition.

3.05 Chain replacements shall be made in the field.