

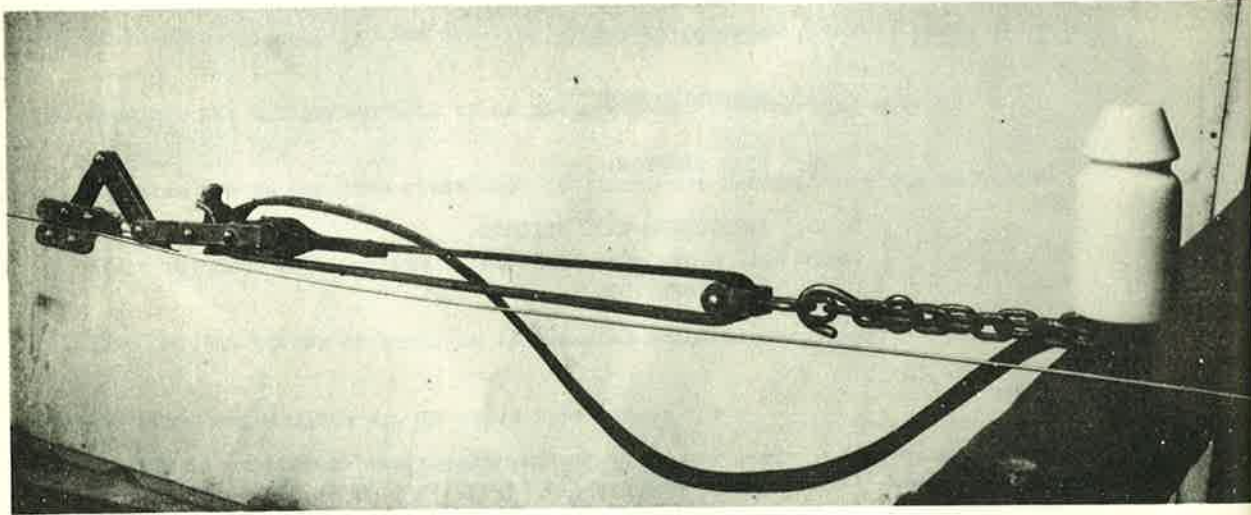
2. WIRE TENSIONING DEVICES.

2.1 When tensioning wires it is necessary to have some device to "grip" the wire and to allow it to be "pulled" to the correct tension. Several types of wire gripping devices for tensioning wires are available, the choice of the type depends firstly on -

- (i) The type of wire to be tensioned, that is, hard drawn copper, cadmium copper or galvanised iron wire.
- (ii) The weight per mile of the wire.

2.2 The Wire Grip No. 1 (see Fig. 1) consists of two flat steel surfaces operated by lever action to grip the wire without causing damage. A leather strap with a cam gripping arrangement is used to secure the grip, and the strap passes over the rollers providing a mechanical advantage of approximately three.

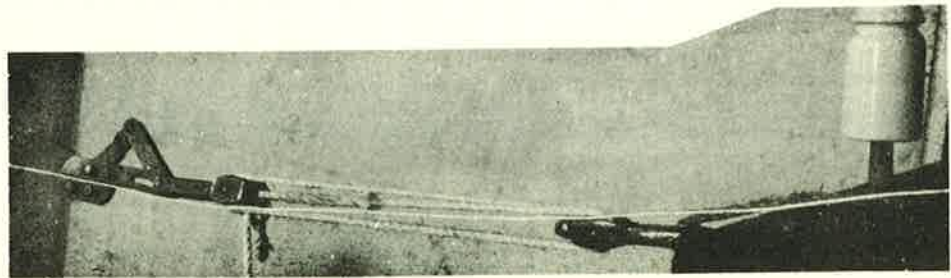
The grip is fastened to the spindle with a chain and hook provided with a swivel. This type of grip is most suited for use on 40 lb. and 70 lb. wires. When used on wires requiring a greater tension, the tension is very difficult to maintain owing to the tendency of the leather strap to stretch and creep.



WIRE GRIP NO. 1.

FIG. 1.

2.3 In Fig. 2 an earlier type of grip often called a "Buffalo Grip" or "Come Along" which is still very popular for use on heavier wires is shown. This grip gives greater mechanical advantage, and does not stretch to the same extent as the grip described in paragraph 2.2. It is now obsolete being replaced by wire grip No. 1.



BUFFALO GRIP - "COME ALONG".

FIG. 2.