



## INSTRUCTIONS

# Donalds Autochain Wire Stretcher

## **FIRST ... BECAUSE IT LASTS**

This stretcher will securely grip all classes and qualities of wire including steel and other hard and smooth wire. It does not in any way damage, mark or kink the wire and incorporates the best and most efficient chin strainer grip yet discovered.

- It is especially efficient in straining single strand **barbed wire**.
- Can be used at the straining post or at any point along the fence.
- Most suitable for telephone and telegraph line erection or any short hauls.
- It's semi-automatic action and efficient grip puts it in a class by itself amongst chain stretchers.

### INSTRUCTIONS FOR USE

First attach "S Grip" gripper (the one with the long chain) to the wire to the right of the operator. To understand how this is done note the illustration as per Figure 2. Attach the top half first (as it will not fall off) or vice versa as preferred. Then lock the second half into the first half. Note how the two parts of the "S Grips" interlock and hold the wire on a wedge principle. Attach the other gripper (the one fastened to the machine) to the left of operator as in Figure 1. Place chain on the claw hooks on handle – being quite sure to do it in the right way, viz. with the chain in plane and not twisted. Work lever backwards and forwards, noting that the claw hooks work along the chain and grip semi-automatically. The wire between the two grippers will bow up. It can then be cut at any time convenient and the operation of the lever continued until the wire is sufficiently taut.

### CHAIN NOT LONG ENOUGH

If the chain is not long enough to take all the strain of the wire in one operation, then proceed as follows. When the last link of the chain has been taken in, make a bend in the right hand straining wire, in a shape like a camel hump (or a letter "U"). Put this bend through the wire link which joins the anchor gripper to the lever and prevents it from coming out again by putting a nail or short piece of wire through the bend and across the link. The hooks may now be released from the chain by working in a vice versa operation and the gripper on the chain slipped back along the wire, and the chain can be taken in again one link at a time as before.

### TO STRAIN AT POST

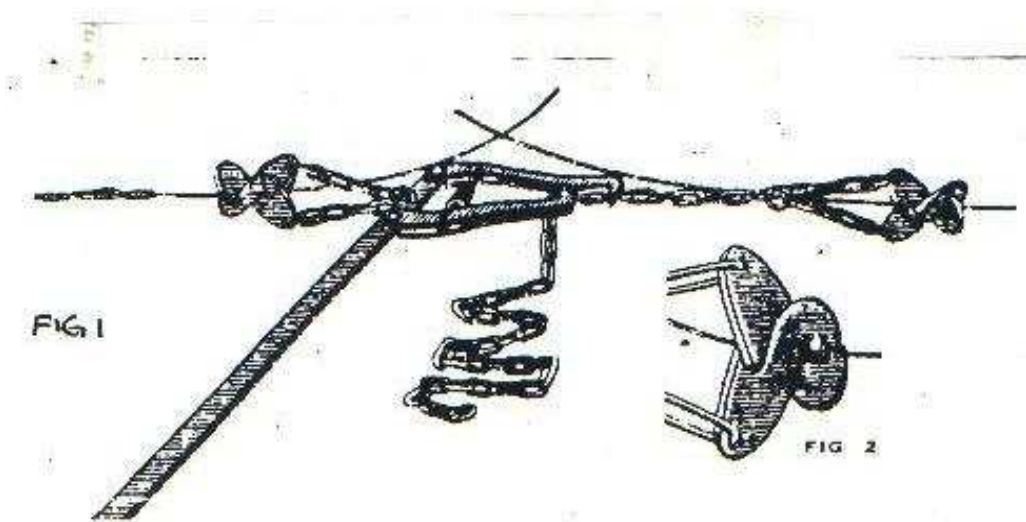
Attach a dummy wire to the post with a short end sticking out. Attach "S Grips" (on handle) to this short end and the "S Grip" (on chain) to the wire to be strained. Then strain in the usual way and when taut enough fix wire to post with staples or otherwise, then remove the dummy wire. This is the best plan when the straining posts are of iron with sharp corners, large square wooden ones or when the wire to be strained is barbed wire. The desired procedure is to work from the bottom to the top of the fence with the dummy wire as to retrieve it for next anchor post strain. The dummy wire would normally be of not less than 10 gauge mild steel wire. As per manufacturers wire straining specifications it is recommended that a **Donalds Wire Tension Indicator** be adapted to your Donalds Wire Stretcher which is available as an optional extra to your stretcher. If the posts are round or if straining from trees, the wire should be brought right round the post / tree, the end of the wire itself taking the place of a dummy wire; this is a very convenient form of working the machine, but it must be remembered that as the wire is all the time coming back upon itself the chain only takes up half it's own length of wire each time. Instead of a dummy wire, a piece of chain fastened with a "D" shackle to form a noose into which the "S Grip" may be hooked can be used.



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\* Always keep well oiled.



1. Always strain wire to the recommended tensions on the label. Use a recognised tension indicating device such as the Donalds Tension Indicator attached between the handle and grip for best results. **ALWAYS WEAR SAFETY GLASSES**



2. Always maintain your Bobbejaan wire strainer by ensuring all bolts are tightened and all parts move freely. A simple application of oil based spray to all moving parts will assist in the long term performance of your Bobbejaan wire strainer.



Do not exceed maximum working load of four hundred and twenty five kilograms (425kgs). The unit has been designed to achieve this level of operation as presented from the manufacturer. Never exceed the designed working limit by adding extra pipe leverage to the tool, as serious consequence of failure and injury could occur.